Report of Trace Metals Analyses Biotas

Project: Makau Military Reservation
Samples Collected: January 31 – February 11, 2014
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Table of Contents

Case Narrative 4
Report Information 11
Sample Information 12
Batch Summary 13
Sample Results 14
Accuracy & Precision Summary 33
Method Blanks & Reporting Limits 49
Instrument Calibration 62
Sample Containers 108
Shipping Containers 111
Chain-of-Custody Form 112
Waybill 113
Sample Calculations 114
Trace Metals Data Sequence 1400247, Batch B140479 116
Methyl Mercury Data Sequence 1400248, Batch B140436 243
Inorganic Arsenic Data Sequence 1400254, Batch B140443 331
Mercury Data Sequence 1400255, Batch B140435 374
Trivalent Arsenic Data Sequence 1400259, Batch B140444 473
Trace Metals Data Sequence 1400260, Batch B140478 502
DMAs Data Sequence 1400262, Batch B140445 602
MMAs Data Sequence 1400263, Batch B140446 627

Trace Metals Data Sequence 1400274, Batch B140552..... 653

Trace Metals Data Sequence 1400285, Batch B140477..... 733

Trace Metals Data Sequence 1400293, Batch B140595..... 941

Trace Metals Data Sequence 1400313, Batch B140595..... 1219

Case Narrative

Shipping and Receiving

On March 14, 2014, Brooks Rand Labs (BRL) received eight (8) sea cucumber samples and eleven (11) limu samples at 10:00 A.M. in a cooler with ice and at a temperature of 2.9 °C. The chain-of-custody (COC) forms requested analysis for silver (Ag), aluminum (Al), arsenic (As), barium (Ba), beryllium (Be), cadmium (Cd), cobalt (Co), chromium (Cr), copper (Cu), iron (Fe), manganese (Mn), lead (Pb), antimony (Sb), selenium (Se), thallium (Tl), vanadium (V), zinc (Zn), mercury (Hg), methylmercury (MeHg), and arsenic speciation analysis of the samples, contractually defined as trivalent arsenic [As(III)], inorganic arsenic [As(Inorg)], monomethyl arsenic (MMAs), dimethyl arsenic (DMAs), and pentavalent arsenic [As(V)] determined by difference. The samples were received and stored securely according to BRL standard operating procedures (SOP) and EPA methodology.

Preservation and Holding Time

All method and SOP requirements for preservation and holding time were satisfied.

Total Mercury in Tissue by EPA Method 1631, Appendix (SOP BR-0002)

Tissue samples are prepared by a hot re-fluxing HNO_3/H_2SO_4 digestion. Samples are oxidized with bromine monochloride (BrCl) and then analyzed with stannous chloride ($SnCl_2$) reduction, single gold amalgamation, and cold vapor atomic fluorescence spectroscopy (CVAFS) detection using a Brooks Rand Instruments MERX-T CVAFS Mercury Automated-Analyzer.

The results were method blank corrected as described in the calculations section of the relevant BRL SOP(s) and may have been evaluated using reporting limits that have been adjusted to account for sample aliquot size. Please refer to the *Sample Results* page for sample-specific MDLs, MRLs, and other details.

Sequence 1400255

Instrument calibration, meeting all quality control criteria, was successfully achieved on the day of sample analysis.

The continuing calibration blanks (CCBs) CCB5 and CCB6 had concentrations above the low calibration standard. All samples bracketed by these CCBs were re-analyzed. No samples from this work order were affected.

Batch B140435

All data was reported without qualification and all associated quality control sample results met the acceptance criteria.

Methylmercury in Tissue by EPA Method 1630 (SOP BR-0011)

Tissue samples are prepared by alkaline digestion in 25% KOH in methanol and oven digestion at 65 °C for 3-4 hours. Samples are analyzed by ethylation, Tenax trap collection, gas chromatography separation, isothermal decomposition, and cold vapor fluorescence

spectroscopy (CVAFS) detection using a Brooks Rand Instruments MERX-M CVAFS Methylmercury Automated-Analyzer.

The results were method blank corrected as described in the calculations section of the relevant BRL SOP(s) and may have been evaluated using reporting limits that have been adjusted to account for sample aliquot size. Please refer to the *Sample Results* page for sample-specific MDLs, MRLs, and other details.

In instances where the native sample result and/or the associated duplicate (DUP) result were below the MDL the RPD was not calculated (**N/C**).

Sequence 1400248

Instrument calibration, meeting all quality control criteria, was successfully achieved on the day of sample analysis.

The CCB1 and CCB2 were above the affective MRL for biota samples. No sample results were bracketed by these CCBs and no corrective action was required.

Several peaks were manually integrated by the analyst and approved by BRL's QA department.

Batch B140436

Aside from concentration qualifiers, all data was reported without qualification and all associated quality control sample results met the acceptance criteria.

Trace Metals EPA Method 200.8 Mod. (BR-0070)

Analysis is performed by EPA Draft Method 200.8 (modified) using inductively coupled plasma - mass spectrometry (ICP-MS) with Dynamic Reaction Cell (DRC™) technology. Prior to analysis, 0.5 mg aliquots of the samples are digested with 10 mL ultra-pure nitric acid and 100 µL hydrogen peroxide and heating for a minimum of four hours at 100 °C. Aliquots of digested sample are analyzed utilizing internal standardization. This method incorporates ionization of the sample in an inductively-coupled RF plasma, with detection of the resulting ions by mass spectrometer on the basis of their mass-to-charge ratio.

The results were method blank corrected as described in the calculations section of the relevant BRL SOP(s) and may have been evaluated using reporting limits that have been adjusted to account for sample aliquot size. Please refer to the *Sample Results* page for sample-specific MDLs, MRLs, and other details.

The recovery criteria limits did not apply to specific elements when the standard reference materials (SRMs) only listed information values. The recovery limits were not applicable (**N/A**). Not all SRMs provided certified or information values for all elements; therefore, not all elements were reported.

In instances where a MS/MSD set was spiked at a level less than the native sample, the recoveries are not considered valid indicators of data quality. However, these results are reported as a demonstration of precision. When the spiking levels were ≤ 25% of the native sample concentrations, the recoveries were not reported (**NR**). No sample results were qualified on the basis of the MS or MSD recoveries.

In instances where the native sample result and/or the associated DUP result were below the MDL the RPD was not calculated (**N/C**).

Sequence 1400247

Instrument calibration, meeting all quality control criteria, was successfully achieved on the day of sample analysis.

The As and Se analysis of ICB2 as well as the Se analysis of IBL1 had concentrations above the low calibration standards. No samples were bracketed by these elevated blanks and no further action was required. In addition, CCBF had a Se concentration greater than the low calibration standard. No samples from this work order were bracketed by this CCB.

Batch B140479

Aside from concentration qualifiers, all data was reported without qualification and all associated quality control sample results met the acceptance criteria.

Sequence 1400260

The calibration standard CAL9 had elevated recoveries for V and was removed from the calibration curve.

Instrument calibration, meeting all quality control criteria, was successfully achieved on the day of sample analysis.

Batch B140478

The V native result for sample *MAK122L* (1411043-11) and its associated DUP result yielded a 31% RPD. The V sample result was qualified **M** for duplicate imprecision.

Aside from concentration qualifiers, all data was reported without further qualification and all other associated quality control sample results met the acceptance criteria.

Sequence 1400274

The calibration standard CAL1 had recoveries outside of the acceptance criteria for Cr and Fe. These were removed from the respective calibration curves. This resulted in an elevated MDL and MRL for Fe of 4 mg/kg and 1.3 mg/kg, respectively. All sample results were greater than the MRL.

The Cr and Fe analysis of ICB2 had concentrations above the low calibration standards. No samples were bracketed by these elevated blanks and no further action was required.

Instrument calibration, meeting all quality control criteria, was successfully achieved on the day of sample analysis.

Batch B140552

The SRM2 TORT-3 for Cr analysis had low recovery of 63%. As this is a new SRM, BRL does not have historical data to compare past recoveries. TORT-3 is a replacement for TORT-2, which had a historical recovery of 62%. The recoveries of the blank spike, SRM1, and all matrix spikes met acceptance criteria and no qualifications were necessary.

The Cr native result for sample *MAK122L* (1411043-11) and its associated DUP2 result yielded a 33% RPD. The Cr sample result was qualified **M** for duplicate imprecision.

The Fe native results for samples *MAK111C* (1411043-01) and *MAK122L* (1411043-11) and their associated DUP results yielded 31% RPD and 41% RPD, respectively. The Fe sample results were qualified **M** for duplicate imprecision.

Aside from concentration qualifiers, all data was reported without further qualification and all other associated quality control sample results met the acceptance criteria.

Sequence 1400285

Instrument calibration, meeting all quality control criteria, was successfully achieved on the day of sample analysis.

Almost all samples and batch quality control samples had high internal standards for Scandium (Sc), which is the internal standard for Al and Mn. All blanks spikes and matrix spikes are within acceptance criteria for Al and Mn, showing that the instrument's internal standard correction was working appropriately. No qualifications were necessary.

Batch B140477

The Pb analysis of SRM1 had a low recovery of 52%. As this is a new SRM, BRL does not have historical data to compare past recoveries. This SRM, DORM-4, is a replacement for DORM-3, which had a historical recovery of 56%. The recoveries of the blank spike, SRM2, and all matrix spikes met acceptance criteria and no qualifications were necessary.

The Pb native result for sample *MAK111C* (1411043-01) and the Zn native result for sample *MAK122L* (1411043-11) and their associated DUP results yielded 50% and 31% RPDs, respectively. The sample results and the associated DUPs met the secondary criteria of being less than 5x the MRL and within 2x the MRL of each other. No qualifications were necessary.

The Al native result for sample *MAK111C* (1411043-01) and its associated DUP result yielded a 62% RPD. The Al sample result was qualified **M** for duplicate imprecision.

The Mn native result for sample *MAK122L* (1411043-11) and its associated DUP result yielded a 49% RPD. The Mn sample result was qualified **M** for duplicate imprecision. In addition, the RPD between the MS2 and MSD2 was elevated for Ba (52%). The Ba sample result was also qualified **M**.

The SRM TORT-3 (SRM2) had a concentration above the calibration for Cd and Cu. The recovery of the SRM met acceptance criteria and no further action was required. The other SRM DORM-4 (SRM1) was within the calibration and met acceptance criteria.

Aside from concentration qualifiers, all data was reported without further qualification and all other associated quality control sample results met the acceptance criteria.

Sequence 1400293

Instrument calibration, meeting all quality control criteria, was successfully achieved on the day of sample analysis.

The initial calibration verification (ICV) standard did not meet the manufacturer's concentration for Ag and had a low recovery. The secondary calibration verification (SCV) standard SCV1 is an additional calibration check and was used in place of the ICV for Ag. The SCV1 met acceptance criteria and no further action was required.

Sample results bracketed by CCV standards outside of EPA Method 200.8 criteria were re-analyzed in sequence 1400313.

Sequence 1400313

Instrument calibration, meeting all quality control criteria, was successfully achieved on the day of sample analysis.

The ICV standard did not meet the manufacturer's concentration for Ag and had a low recovery. The SCV1 is an additional calibration check and was used in place of the ICV for Ag. The SCV1 met acceptance criteria and no further action was required.

The Ag and Be sample results reported from this sequence were bracketed by CCV standards above EPA Method 200.8 criteria. All sample results were not detectable and therefore would not be affected by the high bias of the CCV standards. No qualifications of the data was necessary.

Batch B140595

The Co native result for sample *MAK122L* (1411043-11) and its associated DUP result yielded a 38% RPD. The sample result and the associated DUP met the secondary criteria of being less than 5x the MRL and within 2x the MRL of each other. No qualifications were necessary.

Aside from concentration qualifiers, all data was reported without qualification and all associated quality control sample results met the acceptance criteria.

Inorganic Arsenic in Biota by EPA Method 1632, Mod. (SOP BR-0021)

Prior to analysis, samples are digested with 2 M hydrochloric acid (HCl) and heated for 16 hours. Then, an aliquot of biota digestate is placed in a specially-designed reaction vessel and 6 M HCl is added. To this, a 4% (m/v) sodium borohydride ($NaBH_4$) solution is added to convert the inorganic arsenic to volatile arsines. Arsines are purged from the sample onto a cooled glass trap. The trapped arsines are thermally desorbed, in order of increasing boiling points, into an inert gas stream that carries them into the quartz furnace of an atomic absorption spectrophotometer for detection. The first arsine (AsH_3) to be desorbed is represents total inorganic As in the sample.

The results were method blank corrected as described in the calculations section of the relevant BRL SOP(s) and may have been evaluated using reporting limits that have been adjusted to account for sample aliquot size. Please refer to the *Sample Results* page for sample-specific MDLs, MRLs, and other details.

In instances where the native sample result and/or the associated DUP result were below the MDL the RPD was not calculated (**N/C**).

Sequence 1400254

Instrument calibration, meeting all quality control criteria, was successfully achieved on the day of sample analysis.

Several peaks were manually integrated by the analyst and approved by BRL's QA department.

Batch B140443

The matrix spikes performed on sample *MAK120L* (1411043-09) were spiked at a concentration less than the native sample concentration and was not considered a valid indicator of data quality. No qualifications were necessary for the spike recoveries. A post-preparation spike (PS) was prepared at an appropriate spiking level and met acceptance criteria.

Aside from concentration qualifiers, all data was reported without qualification and all associated quality control sample results met the acceptance criteria.

Trivalent Arsenic in Biota by EPA Method 1632, Mod. (SOP BR-0021)

Prior to analysis, the samples are extracted with 0.5 M phosphoric acid (H_3PO_4) and 0.1 M hydroxylamine hydrochloride ($NH_2OH{\cdot}HCl$), tumbled for one hour, and then centrifuged for 20 - 30 minutes. An aliquot of tissue digestate is diluted to final volume with a 0.5% (v/v) HCl solution, the pH is adjusted with a 2% (m/v) potassium hydroxide (KOH) solution, and 2.5 M

trishydrochloride buffer is added. To this, a 4% (m/v) $NaBH_4$ solution is added to convert the inorganic arsenic to volatile arsines. Arsines are purged from the sample onto a cooled glass trap. The trapped arsines are thermally desorbed, in order of increasing boiling points, into an inert gas stream that carries them into the quartz furnace of an atomic absorption spectrophotometer for detection. The first arsine to be desorbed is AsH_3, which represents As(III) in the sample.

The results were method blank corrected as described in the calculations section of the relevant BRL SOP(s) and may have been evaluated using reporting limits that have been adjusted to account for sample aliquot size. Please refer to the *Sample Results* page for sample-specific MDLs, MRLs, and other details.

In instances where the native sample result and/or the associated DUP result were below the MDL the RPD was not calculated (**N/C**).

Sequence 1400259

Instrument calibration, meeting all quality control criteria, was successfully achieved on the day of sample analysis.

Several peaks were manually integrated by the analyst and approved by BRL's QA department.

Batch B140444

The matrix spikes performed on sample *MAK120L* (1411043-09) were spiked at a concentration less than the native sample concentration and were not analyzed. A PS was prepared at an appropriate spiking level and met acceptance criteria.

The blank spike (BS) BS1 was analyzed as a As(V) conversion check. It had no detectable recovery, as expected, and was not reported.

Aside from concentration qualifiers, all data was reported without qualification and all associated quality control sample results met the acceptance criteria.

Pentavalent Arsenic in Biota by Calculation

The concentration of As(V) found in a sample is determined by subtracting the result of the analysis of As(III) from the result of the analysis of As(Inorg). The MDL and MRL for As(V) are equal to the MDL and MRL for As(III) or As(Inorg), whichever is greater.

DMAs & MMAs in Biota by EPA Method 1632, Mod. (SOP BR-0021)

Prior to analysis, samples are digested with 2 M sodium hydroxide (NaOH) and heated at 80 °C for 16 hours. Then, an aliquot of biota digestate is placed in a specially-designed reaction vessel and 6 M HCl is added. To this, a 4% (m/v) $NaBH_4$ solution is added to convert the inorganic arsenic to volatile arsines. Arsines are purged from the sample onto a cooled glass trap. The trapped arsines are thermally desorbed, in order of increasing boiling points, into an inert gas stream that carries them into the quartz furnace of an atomic absorption spectrophotometer for detection.

The results were method blank corrected as described in the calculations section of the relevant BRL SOP(s) and may have been evaluated using reporting limits that have been adjusted to account for sample aliquot size. Please refer to the *Sample Results* page for sample-specific MDLs, MRLs, and other details.

It should be noted that due to the large As(Inorg) peak in some samples, the baselines for MMA and DMA peaks have been integrated assuming they are sitting on top of the As(Inorg) peak

and do not extend below the slope of the As(Inorg) peak. All of the peaks have been integrated consistently and it is not possible to know how the MMA and DMA peaks recover because the As(Inorg) peak is so large.

Sequence 1300262 - DMAs

Instrument calibration, meeting all quality control criteria, was successfully achieved on the day of sample analysis.

The initial calibration verification (ICV) standard ICV1 was only analyzed and reported for MMAs.

Several peaks were manually integrated by the analyst and approved by BRL's QA department.

Batch B140445 - DMAs

Aside from concentration qualifiers, all data was reported without qualification and all associated quality control sample results met the acceptance criteria.

Sequence 1400263 - MMAs

Instrument calibration, meeting all quality control criteria, was successfully achieved on the day of sample analysis.

The ICV2 was only analyzed and reported for DMAs.

Several peaks were manually integrated by the analyst and approved by BRL's QA department.

Batch B140446 - MMAs

Aside from concentration qualifiers, all data was reported without qualification and all associated quality control sample results met the acceptance criteria.

We certify that this 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. BRL, an accredited laboratory, certifies that the reported results of all analyses for which BRL is NELAP accredited meet all NELAP requirements. For more details, please see the *Report Information* page in your report. Please feel free to contact us if you have any questions regarding this report.

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Report Information

Laboratory Accreditation

BRL is accredited by the *National Environmental Laboratory Accreditation Program* (NELAP) through the State of Florida Department of Health, Bureau of Laboratories (E87982) and is certified to perform many environmental analyses. BRL is also certified by many other states to perform environmental analyses. For a current list of our accreditations/certifications, please visit our website at <http://www.brooksrand.com/default.asp?contentID=586>. Results reported relate only to the samples listed in the report.

Field Quality Control Samples

Please be notified that certain EPA methods require the collection of field quality control samples of an appropriate type and frequency; failure to do so is considered a deviation from some methods and for compliance purposes should only be done with the approval of regulatory authorities. Please see the specific EPA methods for details regarding required field quality control samples.

Common Abbreviations

BLK	method blank	**MS**	matrix spike
BRL	Brooks Rand Labs	**MSD**	matrix spike duplicate
BS	laboratory fortified blank	**ND**	non-detect
CAL	calibration standard	**NR**	non-reportable
CCV	continuing calibration verification	**PS**	post preparation spike
COC	chain of custody record	**REC**	percent recovery
CRM	certified reference material	**RPD**	relative percent difference
D	dissolved fraction	**RSD**	relative standard deviation
DUP	duplicate	**SCV**	secondary calibration verification
ICV	initial calibration verification	**SOP**	standard operating procedure
MDL	method detection limit	**SRM**	standard reference material
MRL	method reporting limit	**T**	total recoverable fraction
IBL	instrument blank		

Definition of Data Qualifiers

(Effective 9/23/09)

B Detected by the instrument, the result is > the MDL but ≤ the MRL. Result is reported and considered an estimate.
E An estimated value due to the presence of interferences. A full explanation is presented in the narrative.
H Holding time and/or preservation requirements not met. Result is estimated.
J Estimated value. A full explanation is presented in the narrative.
J-M Duplicate precision (RPD) for associated QC sample was not within acceptance criteria. Result is estimated.
J-N Spike recovery for associated QC sample was not within acceptance criteria. Result is estimated.
M Duplicate precision (RPD) was not within acceptance criteria. Result is estimated.
N Spike recovery was not within acceptance criteria. Result is estimated.
R Rejected, unusable value. A full explanation is presented in the narrative.
U Result is ≤ the MDL or client requested reporting limit (CRRL). Result reported as the MDL or CRRL.
X Result is not BLK-corrected and is within 10x the absolute value of the highest detectable BLK in the batch. Result is estimated.

These qualifiers are based on those previously utilized by Brooks Rand Labs, those found in the EPA SOW ILM03.0, Exhibit B, Section III, pg. B-18, and the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review; USEPA; January 2010. These supersede all previous qualifiers ever employed by BRL.

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Sample Information

Sample	Lab ID	Report Matrix	Type	Sampled	Received
MAK111C	1411043-01	Sea Cucumber	Sample	01/31/2014	03/14/2014
MAK113C	1411043-02	Sea Cucumber	Sample	01/31/2014	03/14/2014
MAK114C	1411043-03	Sea Cucumber	Sample	01/31/2014	03/14/2014
MAK115C	1411043-04	Sea Cucumber	Sample	01/31/2014	03/14/2014
MAK116C	1411043-05	Sea Cucumber	Sample	01/31/2014	03/14/2014
MAK117C	1411043-06	Sea Cucumber	Sample	01/31/2014	03/14/2014
MAK118C	1411043-07	Sea Cucumber	Sample	01/31/2014	03/14/2014
MAK120C	1411043-08	Sea Cucumber	Sample	02/11/2014	03/14/2014
MAK120L	1411043-09	Limu	Sample	01/31/2014	03/14/2014
MAK121L	1411043-10	Limu	Sample	01/31/2014	03/14/2014
MAK122L	1411043-11	Limu	Sample	01/31/2014	03/14/2014
MAK123L	1411043-12	Limu	Sample	01/31/2014	03/14/2014
MAK124L	1411043-13	Limu	Sample	01/31/2014	03/14/2014
MAK127L	1411043-14	Limu	Sample	02/11/2014	03/14/2014
MAK128L	1411043-15	Limu	Sample	02/11/2014	03/14/2014
MAK116L	1411043-16	Limu	Sample	01/31/2014	03/14/2014
MAK117L	1411043-17	Limu	Sample	01/31/2014	03/14/2014
MAK118L	1411043-18	Limu	Sample	01/31/2014	03/14/2014
MAK126L	1411043-19	Limu	Sample	01/31/2014	03/14/2014

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Batch Summary

Analyte	Lab Matrix	Method	Prepared	Analyzed	Batch	Sequence
Ag	Biota	EPA 200.8	03/24/2014	04/08/2014	B140595	1400293
Ag	Biota	EPA 200.8	03/24/2014	04/11/2014	B140595	1400313
Al	Biota	EPA 200.8	03/24/2014	04/03/2014	B140477	1400285
As	Biota	EPA 200.8 DRC	03/24/2014	03/25/2014	B140479	1400247
As(III)	Biota	EPA 1632	03/26/2014	03/28/2014	B140444	1400259
As(Inorg)	Biota	EPA 1632	03/26/2014	03/27/2014	B140443	1400254
Ba	Biota	EPA 200.8	03/24/2014	04/03/2014	B140477	1400285
Be	Biota	EPA 200.8	03/24/2014	04/08/2014	B140595	1400293
Be	Biota	EPA 200.8	03/24/2014	04/11/2014	B140595	1400313
Cd	Biota	EPA 200.8	03/24/2014	04/03/2014	B140477	1400285
Co	Biota	EPA 200.8	03/24/2014	04/08/2014	B140595	1400293
Co	Biota	EPA 200.8	03/24/2014	04/11/2014	B140595	1400313
Cr	Biota	EPA 200.8 DRC	03/24/2014	04/01/2014	B140552	1400274
Cu	Biota	EPA 200.8	03/24/2014	04/03/2014	B140477	1400285
DMAs	Biota	EPA 1632	03/26/2014	03/29/2014	B140445	1400262
Fe	Biota	EPA 200.8 DRC	03/24/2014	04/01/2014	B140552	1400274
Hg	Biota	EPA 1631 Appendix	03/24/2014	03/29/2014	B140435	1400255
MeHg	Biota	EPA 1630	03/20/2014	03/27/2014	B140436	1400248
MMAs	Biota	EPA 1632	03/26/2014	03/29/2014	B140446	1400263
Mn	Biota	EPA 200.8	03/24/2014	04/03/2014	B140477	1400285
Pb	Biota	EPA 200.8	03/24/2014	04/03/2014	B140477	1400285
Sb	Biota	EPA 200.8	03/24/2014	04/03/2014	B140477	1400285
Se	Biota	EPA 200.8 DRC	03/24/2014	03/25/2014	B140479	1400247
Tl	Biota	EPA 200.8	03/24/2014	04/03/2014	B140477	1400285
V	Biota	EPA 200.8 DRC	03/24/2014	03/28/2014	B140478	1400260
Zn	Biota	EPA 200.8	03/24/2014	04/03/2014	B140477	1400285

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK111C										
1411043-01	Ag	Sea Cucumber	wet	0.020	U	0.020	0.100	mg/kg	B140595	1400313
1411043-01	Al	Sea Cucumber	wet	4.40	M	0.14	0.80	mg/kg	B140477	1400285
1411043-01	As	Sea Cucumber	wet	0.798		0.014	0.040	mg/kg	B140479	1400247
1411043-01	As(III)	Sea Cucumber	wet	0.011		0.004	0.010	mg/kg	B140444	1400259
1411043-01	As(Inorg)	Sea Cucumber	wet	0.049		0.004	0.010	mg/kg	B140443	1400254
1411043-01	As(V)	Sea Cucumber	wet	0.038		0.004	0.010	mg/kg	[CALC]	N/A
1411043-01	Ba	Sea Cucumber	wet	0.18		0.03	0.16	mg/kg	B140477	1400285
1411043-01	Be	Sea Cucumber	wet	0.030	U	0.030	0.090	mg/kg	B140595	1400313
1411043-01	Cd	Sea Cucumber	wet	0.007	U	0.007	0.020	mg/kg	B140477	1400285
1411043-01	Co	Sea Cucumber	wet	0.047	B	0.020	0.160	mg/kg	B140595	1400313
1411043-01	Cr	Sea Cucumber	wet	0.596		0.018	0.120	mg/kg	B140552	1400274
1411043-01	Cu	Sea Cucumber	wet	0.45		0.03	0.16	mg/kg	B140477	1400285
1411043-01	DMAs	Sea Cucumber	wet	0.005	U	0.005	0.012	mg/kg	B140445	1400262
1411043-01	Fe	Sea Cucumber	wet	17.2	M	1.30	3.99	mg/kg	B140552	1400274
1411043-01	Hg	Sea Cucumber	wet	0.37	B	0.12	0.41	ng/g wet	B140435	1400255
1411043-01	MeHg	Sea Cucumber	wet	1.09	U	1.09	3.28	ng/g	B140436	1400248
1411043-01	MMAs	Sea Cucumber	wet	0.004	U	0.004	0.012	mg/kg	B140446	1400263
1411043-01	Mn	Sea Cucumber	wet	0.742		0.012	0.040	mg/kg	B140477	1400285
1411043-01	Pb	Sea Cucumber	wet	0.07		0.004	0.04	mg/kg	B140477	1400285
1411043-01	Sb	Sea Cucumber	wet	0.007	U	0.007	0.020	mg/kg	B140477	1400285
1411043-01	Se	Sea Cucumber	wet	0.43		0.06	0.15	mg/kg	B140479	1400247
1411043-01	Tl	Sea Cucumber	wet	0.002	U	0.002	0.008	mg/kg	B140477	1400285
1411043-01	V	Sea Cucumber	wet	0.077	B	0.014	0.120	mg/kg	B140478	1400260
1411043-01	Zn	Sea Cucumber	wet	1.56		0.20	1.00	mg/kg	B140477	1400285

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK113C										
1411043-02	Ag	Sea Cucumber	wet	0.019	U	0.019	0.097	mg/kg	B140595	1400313
1411043-02	Al	Sea Cucumber	wet	1.84		0.14	0.77	mg/kg	B140477	1400285
1411043-02	As	Sea Cucumber	wet	0.844		0.014	0.039	mg/kg	B140479	1400247
1411043-02	As(III)	Sea Cucumber	wet	0.006	B	0.004	0.010	mg/kg	B140444	1400259
1411043-02	As(Inorg)	Sea Cucumber	wet	0.018		0.004	0.010	mg/kg	B140443	1400254
1411043-02	As(V)	Sea Cucumber	wet	0.012		0.004	0.010	mg/kg	[CALC]	N/A
1411043-02	Ba	Sea Cucumber	wet	0.10	B	0.03	0.15	mg/kg	B140477	1400285
1411043-02	Be	Sea Cucumber	wet	0.029	U	0.029	0.087	mg/kg	B140595	1400313
1411043-02	Cd	Sea Cucumber	wet	0.007	U	0.007	0.019	mg/kg	B140477	1400285
1411043-02	Co	Sea Cucumber	wet	0.042	B	0.019	0.155	mg/kg	B140595	1400313
1411043-02	Cr	Sea Cucumber	wet	0.191		0.017	0.116	mg/kg	B140552	1400274
1411043-02	Cu	Sea Cucumber	wet	0.50		0.03	0.15	mg/kg	B140477	1400285
1411043-02	DMAs	Sea Cucumber	wet	0.005	U	0.005	0.012	mg/kg	B140445	1400262
1411043-02	Fe	Sea Cucumber	wet	7.86		1.26	3.87	mg/kg	B140552	1400274
1411043-02	Hg	Sea Cucumber	wet	0.46		0.12	0.39	ng/g wet	B140435	1400255
1411043-02	MeHg	Sea Cucumber	wet	0.91	U	0.91	2.73	ng/g	B140436	1400248
1411043-02	MMAs	Sea Cucumber	wet	0.004	U	0.004	0.012	mg/kg	B140446	1400263
1411043-02	Mn	Sea Cucumber	wet	0.303		0.012	0.039	mg/kg	B140477	1400285
1411043-02	Pb	Sea Cucumber	wet	0.01	B	0.004	0.04	mg/kg	B140477	1400285
1411043-02	Sb	Sea Cucumber	wet	0.007	U	0.007	0.019	mg/kg	B140477	1400285
1411043-02	Se	Sea Cucumber	wet	0.41		0.06	0.15	mg/kg	B140479	1400247
1411043-02	Tl	Sea Cucumber	wet	0.002	U	0.002	0.008	mg/kg	B140477	1400285
1411043-02	V	Sea Cucumber	wet	0.034	B	0.014	0.116	mg/kg	B140478	1400260
1411043-02	Zn	Sea Cucumber	wet	0.94	B	0.19	0.97	mg/kg	B140477	1400285

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PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK114C										
1411043-03	Ag	Sea Cucumber	wet	0.018	U	0.018	0.090	mg/kg	B140595	1400313
1411043-03	Al	Sea Cucumber	wet	2.71		0.13	0.72	mg/kg	B140477	1400285
1411043-03	As	Sea Cucumber	wet	0.911		0.013	0.036	mg/kg	B140479	1400247
1411043-03	As(III)	Sea Cucumber	wet	0.006	B	0.004	0.009	mg/kg	B140444	1400259
1411043-03	As(Inorg)	Sea Cucumber	wet	0.015		0.004	0.009	mg/kg	B140443	1400254
1411043-03	As(V)	Sea Cucumber	wet	0.009		0.004	0.009	mg/kg	[CALC]	N/A
1411043-03	Ba	Sea Cucumber	wet	0.10	B	0.03	0.14	mg/kg	B140477	1400285
1411043-03	Be	Sea Cucumber	wet	0.027	U	0.027	0.081	mg/kg	B140595	1400313
1411043-03	Cd	Sea Cucumber	wet	0.006	U	0.006	0.018	mg/kg	B140477	1400285
1411043-03	Co	Sea Cucumber	wet	0.038	B	0.018	0.144	mg/kg	B140595	1400313
1411043-03	Cr	Sea Cucumber	wet	0.159		0.016	0.108	mg/kg	B140552	1400274
1411043-03	Cu	Sea Cucumber	wet	0.47		0.03	0.14	mg/kg	B140477	1400285
1411043-03	DMAs	Sea Cucumber	wet	0.005	U	0.005	0.011	mg/kg	B140445	1400262
1411043-03	Fe	Sea Cucumber	wet	7.54		1.17	3.61	mg/kg	B140552	1400274
1411043-03	Hg	Sea Cucumber	wet	0.47		0.12	0.41	ng/g wet	B140435	1400255
1411043-03	MeHg	Sea Cucumber	wet	0.99	U	0.99	2.97	ng/g	B140436	1400248
1411043-03	MMAs	Sea Cucumber	wet	0.004	U	0.004	0.011	mg/kg	B140446	1400263
1411043-03	Mn	Sea Cucumber	wet	0.320		0.011	0.036	mg/kg	B140477	1400285
1411043-03	Pb	Sea Cucumber	wet	0.02	B	0.004	0.04	mg/kg	B140477	1400285
1411043-03	Sb	Sea Cucumber	wet	0.006	U	0.006	0.018	mg/kg	B140477	1400285
1411043-03	Se	Sea Cucumber	wet	0.56		0.05	0.14	mg/kg	B140479	1400247
1411043-03	Tl	Sea Cucumber	wet	0.002	U	0.002	0.007	mg/kg	B140477	1400285
1411043-03	V	Sea Cucumber	wet	0.055	B	0.013	0.108	mg/kg	B140478	1400260
1411043-03	Zn	Sea Cucumber	wet	1.70		0.18	0.90	mg/kg	B140477	1400285

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK115C										
1411043-04	Ag	Sea Cucumber	wet	0.018	U	0.018	0.088	mg/kg	B140595	1400313
1411043-04	Al	Sea Cucumber	wet	2.57		0.12	0.70	mg/kg	B140477	1400285
1411043-04	As	Sea Cucumber	wet	1.38		0.012	0.035	mg/kg	B140479	1400247
1411043-04	As(III)	Sea Cucumber	wet	0.009	B	0.004	0.010	mg/kg	B140444	1400259
1411043-04	As(Inorg)	Sea Cucumber	wet	0.029		0.004	0.010	mg/kg	B140443	1400254
1411043-04	As(V)	Sea Cucumber	wet	0.020		0.004	0.010	mg/kg	[CALC]	N/A
1411043-04	Ba	Sea Cucumber	wet	0.07	B	0.03	0.14	mg/kg	B140477	1400285
1411043-04	Be	Sea Cucumber	wet	0.026	U	0.026	0.079	mg/kg	B140595	1400313
1411043-04	Cd	Sea Cucumber	wet	0.006	U	0.006	0.018	mg/kg	B140477	1400285
1411043-04	Co	Sea Cucumber	wet	0.053	B	0.018	0.140	mg/kg	B140595	1400313
1411043-04	Cr	Sea Cucumber	wet	0.181		0.016	0.105	mg/kg	B140552	1400274
1411043-04	Cu	Sea Cucumber	wet	0.39		0.03	0.14	mg/kg	B140477	1400285
1411043-04	DMAs	Sea Cucumber	wet	0.005	U	0.005	0.012	mg/kg	B140445	1400262
1411043-04	Fe	Sea Cucumber	wet	7.35		1.14	3.50	mg/kg	B140552	1400274
1411043-04	Hg	Sea Cucumber	wet	0.67		0.12	0.41	ng/g wet	B140435	1400255
1411043-04	MeHg	Sea Cucumber	wet	0.94	U	0.94	2.81	ng/g	B140436	1400248
1411043-04	MMAs	Sea Cucumber	wet	0.004	U	0.004	0.012	mg/kg	B140446	1400263
1411043-04	Mn	Sea Cucumber	wet	0.384		0.011	0.035	mg/kg	B140477	1400285
1411043-04	Pb	Sea Cucumber	wet	0.009	B	0.004	0.04	mg/kg	B140477	1400285
1411043-04	Sb	Sea Cucumber	wet	0.009	B	0.006	0.018	mg/kg	B140477	1400285
1411043-04	Se	Sea Cucumber	wet	0.62		0.05	0.13	mg/kg	B140479	1400247
1411043-04	Tl	Sea Cucumber	wet	0.002	U	0.002	0.007	mg/kg	B140477	1400285
1411043-04	V	Sea Cucumber	wet	0.040	B	0.012	0.105	mg/kg	B140478	1400260
1411043-04	Zn	Sea Cucumber	wet	1.19		0.18	0.88	mg/kg	B140477	1400285

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Client PO: 22678 BSD

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK116C										
1411043-05	Ag	Sea Cucumber	wet	0.019	U	0.019	0.097	mg/kg	B140595	1400313
1411043-05	Al	Sea Cucumber	wet	6.85		0.14	0.78	mg/kg	B140477	1400285
1411043-05	As	Sea Cucumber	wet	1.00		0.014	0.039	mg/kg	B140479	1400247
1411043-05	As(III)	Sea Cucumber	wet	0.021		0.004	0.009	mg/kg	B140444	1400259
1411043-05	As(Inorg)	Sea Cucumber	wet	0.072		0.004	0.009	mg/kg	B140443	1400254
1411043-05	As(V)	Sea Cucumber	wet	0.051		0.004	0.009	mg/kg	[CALC]	N/A
1411043-05	Ba	Sea Cucumber	wet	0.24		0.03	0.16	mg/kg	B140477	1400285
1411043-05	Be	Sea Cucumber	wet	0.029	U	0.029	0.088	mg/kg	B140595	1400313
1411043-05	Cd	Sea Cucumber	wet	0.007	U	0.007	0.019	mg/kg	B140477	1400285
1411043-05	Co	Sea Cucumber	wet	0.056	B	0.019	0.156	mg/kg	B140595	1400313
1411043-05	Cr	Sea Cucumber	wet	0.566		0.018	0.117	mg/kg	B140552	1400274
1411043-05	Cu	Sea Cucumber	wet	0.63		0.03	0.16	mg/kg	B140477	1400285
1411043-05	DMAs	Sea Cucumber	wet	0.005	U	0.005	0.011	mg/kg	B140445	1400262
1411043-05	Fe	Sea Cucumber	wet	16.1		1.26	3.89	mg/kg	B140552	1400274
1411043-05	Hg	Sea Cucumber	wet	0.51		0.12	0.39	ng/g wet	B140435	1400255
1411043-05	MeHg	Sea Cucumber	wet	1.04	U	1.04	3.12	ng/g	B140436	1400248
1411043-05	MMAs	Sea Cucumber	wet	0.004	U	0.004	0.011	mg/kg	B140446	1400263
1411043-05	Mn	Sea Cucumber	wet	0.804		0.012	0.039	mg/kg	B140477	1400285
1411043-05	Pb	Sea Cucumber	wet	0.05		0.004	0.04	mg/kg	B140477	1400285
1411043-05	Sb	Sea Cucumber	wet	0.007	U	0.007	0.019	mg/kg	B140477	1400285
1411043-05	Se	Sea Cucumber	wet	0.62		0.06	0.15	mg/kg	B140479	1400247
1411043-05	Tl	Sea Cucumber	wet	0.002	U	0.002	0.008	mg/kg	B140477	1400285
1411043-05	V	Sea Cucumber	wet	0.081	B	0.014	0.117	mg/kg	B140478	1400260
1411043-05	Zn	Sea Cucumber	wet	1.84		0.19	0.97	mg/kg	B140477	1400285

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK116L										
1411043-16	Ag	Limu	wet	0.018	U	0.018	0.089	mg/kg	B140595	1400313
1411043-16	Al	Limu	wet	77.2		0.12	0.71	mg/kg	B140477	1400285
1411043-16	As	Limu	wet	1.57		0.012	0.035	mg/kg	B140479	1400247
1411043-16	As(III)	Limu	wet	0.287		0.040	0.100	mg/kg	B140444	1400259
1411043-16	As(Inorg)	Limu	wet	0.350		0.040	0.100	mg/kg	B140443	1400254
1411043-16	As(V)	Limu	wet	0.063	B	0.040	0.100	mg/kg	[CALC]	N/A
1411043-16	Ba	Limu	wet	0.37		0.03	0.14	mg/kg	B140477	1400285
1411043-16	Be	Limu	wet	0.027	U	0.027	0.080	mg/kg	B140595	1400313
1411043-16	Cd	Limu	wet	0.039		0.006	0.018	mg/kg	B140477	1400285
1411043-16	Co	Limu	wet	0.132	B	0.018	0.142	mg/kg	B140595	1400313
1411043-16	Cr	Limu	wet	0.484		0.016	0.106	mg/kg	B140552	1400274
1411043-16	Cu	Limu	wet	0.56		0.03	0.14	mg/kg	B140477	1400285
1411043-16	DMAs	Limu	wet	0.202		0.020	0.048	mg/kg	B140445	1400262
1411043-16	Fe	Limu	wet	135		1.15	3.55	mg/kg	B140552	1400274
1411043-16	Hg	Limu	wet	2.25		0.12	0.39	ng/g wet	B140435	1400255
1411043-16	MeHg	Limu	wet	1.06	U	1.06	3.18	ng/g	B140436	1400248
1411043-16	MMAs	Limu	wet	0.016	U	0.016	0.048	mg/kg	B140446	1400263
1411043-16	Mn	Limu	wet	2.42		0.011	0.035	mg/kg	B140477	1400285
1411043-16	Pb	Limu	wet	0.24		0.004	0.04	mg/kg	B140477	1400285
1411043-16	Sb	Limu	wet	0.011	B	0.006	0.018	mg/kg	B140477	1400285
1411043-16	Se	Limu	wet	0.05	U	0.05	0.13	mg/kg	B140479	1400247
1411043-16	Tl	Limu	wet	0.005	B	0.002	0.007	mg/kg	B140477	1400285
1411043-16	V	Limu	wet	1.26		0.012	0.106	mg/kg	B140478	1400260
1411043-16	Zn	Limu	wet	1.54		0.18	0.89	mg/kg	B140477	1400285

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Client PO: 22678 BSD

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK117C										
1411043-06	Ag	Sea Cucumber	wet	0.019	U	0.019	0.095	mg/kg	B140595	1400313
1411043-06	Al	Sea Cucumber	wet	11.4		0.13	0.76	mg/kg	B140477	1400285
1411043-06	As	Sea Cucumber	wet	0.586		0.013	0.038	mg/kg	B140479	1400247
1411043-06	As(III)	Sea Cucumber	wet	0.008	B	0.004	0.011	mg/kg	B140444	1400259
1411043-06	As(Inorg)	Sea Cucumber	wet	0.029		0.004	0.011	mg/kg	B140443	1400254
1411043-06	As(V)	Sea Cucumber	wet	0.021		0.004	0.011	mg/kg	[CALC]	N/A
1411043-06	Ba	Sea Cucumber	wet	0.21		0.03	0.15	mg/kg	B140477	1400285
1411043-06	Be	Sea Cucumber	wet	0.028	U	0.028	0.085	mg/kg	B140595	1400313
1411043-06	Cd	Sea Cucumber	wet	0.007	U	0.007	0.019	mg/kg	B140477	1400285
1411043-06	Co	Sea Cucumber	wet	0.041	B	0.019	0.151	mg/kg	B140595	1400313
1411043-06	Cr	Sea Cucumber	wet	0.224		0.017	0.113	mg/kg	B140552	1400274
1411043-06	Cu	Sea Cucumber	wet	0.56		0.03	0.15	mg/kg	B140477	1400285
1411043-06	DMAs	Sea Cucumber	wet	0.005	U	0.005	0.013	mg/kg	B140445	1400262
1411043-06	Fe	Sea Cucumber	wet	19.5		1.23	3.78	mg/kg	B140552	1400274
1411043-06	Hg	Sea Cucumber	wet	3.12		0.12	0.39	ng/g wet	B140435	1400255
1411043-06	MeHg	Sea Cucumber	wet	0.92	U	0.92	2.77	ng/g	B140436	1400248
1411043-06	MMAs	Sea Cucumber	wet	0.004	U	0.004	0.013	mg/kg	B140446	1400263
1411043-06	Mn	Sea Cucumber	wet	0.691		0.011	0.038	mg/kg	B140477	1400285
1411043-06	Pb	Sea Cucumber	wet	0.11		0.004	0.04	mg/kg	B140477	1400285
1411043-06	Sb	Sea Cucumber	wet	0.007	U	0.007	0.019	mg/kg	B140477	1400285
1411043-06	Se	Sea Cucumber	wet	0.36		0.06	0.14	mg/kg	B140479	1400247
1411043-06	Tl	Sea Cucumber	wet	0.002	U	0.002	0.008	mg/kg	B140477	1400285
1411043-06	V	Sea Cucumber	wet	0.092	B	0.013	0.113	mg/kg	B140478	1400260
1411043-06	Zn	Sea Cucumber	wet	0.83	B	0.19	0.95	mg/kg	B140477	1400285

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK117L										
1411043-17	Ag	Limu	wet	0.017	U	0.017	0.084	mg/kg	B140595	1400293
1411043-17	Al	Limu	wet	123		0.12	0.68	mg/kg	B140477	1400285
1411043-17	As	Limu	wet	1.56		0.012	0.034	mg/kg	B140479	1400247
1411043-17	As(III)	Limu	wet	0.410		0.036	0.089	mg/kg	B140444	1400259
1411043-17	As(Inorg)	Limu	wet	0.468		0.036	0.089	mg/kg	B140443	1400254
1411043-17	As(V)	Limu	wet	0.058	B	0.036	0.089	mg/kg	[CALC]	N/A
1411043-17	Ba	Limu	wet	0.81		0.03	0.14	mg/kg	B140477	1400285
1411043-17	Be	Limu	wet	0.025	U	0.025	0.076	mg/kg	B140595	1400313
1411043-17	Cd	Limu	wet	0.042		0.006	0.017	mg/kg	B140477	1400285
1411043-17	Co	Limu	wet	0.131	B	0.017	0.135	mg/kg	B140595	1400313
1411043-17	Cr	Limu	wet	0.479		0.015	0.101	mg/kg	B140552	1400274
1411043-17	Cu	Limu	wet	0.73		0.03	0.14	mg/kg	B140477	1400285
1411043-17	DMAs	Limu	wet	0.229		0.018	0.043	mg/kg	B140445	1400262
1411043-17	Fe	Limu	wet	274		1.10	3.38	mg/kg	B140552	1400274
1411043-17	Hg	Limu	wet	2.79		0.11	0.38	ng/g wet	B140435	1400255
1411043-17	MeHg	Limu	wet	0.89	U	0.89	2.68	ng/g	B140436	1400248
1411043-17	MMAs	Limu	wet	0.014	U	0.014	0.043	mg/kg	B140446	1400263
1411043-17	Mn	Limu	wet	3.75		0.010	0.034	mg/kg	B140477	1400285
1411043-17	Pb	Limu	wet	0.45		0.003	0.03	mg/kg	B140477	1400285
1411043-17	Sb	Limu	wet	0.011	B	0.006	0.017	mg/kg	B140477	1400285
1411043-17	Se	Limu	wet	0.05	U	0.05	0.13	mg/kg	B140479	1400247
1411043-17	Tl	Limu	wet	0.003	B	0.002	0.007	mg/kg	B140477	1400285
1411043-17	V	Limu	wet	1.86		0.012	0.101	mg/kg	B140478	1400260
1411043-17	Zn	Limu	wet	1.88		0.17	0.84	mg/kg	B140477	1400285

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK118C										
1411043-07	Ag	Sea Cucumber	wet	0.018	U	0.018	0.090	mg/kg	B140595	1400313
1411043-07	Al	Sea Cucumber	wet	10.5		0.13	0.72	mg/kg	B140477	1400285
1411043-07	As	Sea Cucumber	wet	1.32		0.013	0.036	mg/kg	B140479	1400247
1411043-07	As(III)	Sea Cucumber	wet	0.014		0.004	0.010	mg/kg	B140444	1400259
1411043-07	As(Inorg)	Sea Cucumber	wet	0.032		0.004	0.010	mg/kg	B140443	1400254
1411043-07	As(V)	Sea Cucumber	wet	0.018		0.004	0.010	mg/kg	[CALC]	N/A
1411043-07	Ba	Sea Cucumber	wet	0.12	B	0.03	0.14	mg/kg	B140477	1400285
1411043-07	Be	Sea Cucumber	wet	0.027	U	0.027	0.081	mg/kg	B140595	1400313
1411043-07	Cd	Sea Cucumber	wet	0.006	U	0.006	0.018	mg/kg	B140477	1400285
1411043-07	Co	Sea Cucumber	wet	0.047	B	0.018	0.144	mg/kg	B140595	1400313
1411043-07	Cr	Sea Cucumber	wet	0.119		0.016	0.108	mg/kg	B140552	1400274
1411043-07	Cu	Sea Cucumber	wet	0.49		0.03	0.14	mg/kg	B140477	1400285
1411043-07	DMAs	Sea Cucumber	wet	0.005	U	0.005	0.012	mg/kg	B140445	1400262
1411043-07	Fe	Sea Cucumber	wet	20.3		1.17	3.60	mg/kg	B140552	1400274
1411043-07	Hg	Sea Cucumber	wet	0.42		0.12	0.39	ng/g wet	B140435	1400255
1411043-07	MeHg	Sea Cucumber	wet	0.98	U	0.98	2.94	ng/g	B140436	1400248
1411043-07	MMAs	Sea Cucumber	wet	0.004	U	0.004	0.012	mg/kg	B140446	1400263
1411043-07	Mn	Sea Cucumber	wet	0.743		0.011	0.036	mg/kg	B140477	1400285
1411043-07	Pb	Sea Cucumber	wet	0.02	B	0.004	0.04	mg/kg	B140477	1400285
1411043-07	Sb	Sea Cucumber	wet	0.006	U	0.006	0.018	mg/kg	B140477	1400285
1411043-07	Se	Sea Cucumber	wet	0.56		0.05	0.13	mg/kg	B140479	1400247
1411043-07	Tl	Sea Cucumber	wet	0.002	U	0.002	0.007	mg/kg	B140477	1400285
1411043-07	V	Sea Cucumber	wet	0.064	B	0.013	0.108	mg/kg	B140478	1400260
1411043-07	Zn	Sea Cucumber	wet	1.78		0.18	0.90	mg/kg	B140477	1400285

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Project ID: ARD-MV1302
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Client PM: Dean Dickerson
Client PO: 22678 BSD

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK118L										
1411043-18	Ag	Limu	wet	0.019	U	0.019	0.097	mg/kg	B140595	1400293
1411043-18	Al	Limu	wet	21.1		0.14	0.77	mg/kg	B140477	1400285
1411043-18	As	Limu	wet	1.20		0.014	0.039	mg/kg	B140479	1400247
1411043-18	As(III)	Limu	wet	0.163		0.041	0.103	mg/kg	B140444	1400259
1411043-18	As(Inorg)	Limu	wet	0.184		0.041	0.103	mg/kg	B140443	1400254
1411043-18	As(V)	Limu	wet	0.041	U	0.041	0.103	mg/kg	[CALC]	N/A
1411043-18	Ba	Limu	wet	1.91		0.03	0.15	mg/kg	B140477	1400285
1411043-18	Be	Limu	wet	0.029	U	0.029	0.087	mg/kg	B140595	1400293
1411043-18	Cd	Limu	wet	0.021		0.007	0.019	mg/kg	B140477	1400285
1411043-18	Co	Limu	wet	0.037	B	0.019	0.154	mg/kg	B140595	1400293
1411043-18	Cr	Limu	wet	0.081	B	0.017	0.116	mg/kg	B140552	1400274
1411043-18	Cu	Limu	wet	0.35		0.03	0.15	mg/kg	B140477	1400285
1411043-18	DMAs	Limu	wet	0.186		0.021	0.049	mg/kg	B140445	1400262
1411043-18	Fe	Limu	wet	29.1		1.25	3.86	mg/kg	B140552	1400274
1411043-18	Hg	Limu	wet	2.29		0.12	0.39	ng/g wet	B140435	1400255
1411043-18	MeHg	Limu	wet	0.98	U	0.98	2.95	ng/g	B140436	1400248
1411043-18	MMAs	Limu	wet	0.016	U	0.016	0.049	mg/kg	B140446	1400263
1411043-18	Mn	Limu	wet	0.973		0.012	0.039	mg/kg	B140477	1400285
1411043-18	Pb	Limu	wet	0.10		0.004	0.04	mg/kg	B140477	1400285
1411043-18	Sb	Limu	wet	0.007	U	0.007	0.019	mg/kg	B140477	1400285
1411043-18	Se	Limu	wet	0.06	U	0.06	0.14	mg/kg	B140479	1400247
1411043-18	Tl	Limu	wet	0.003	B	0.002	0.008	mg/kg	B140477	1400285
1411043-18	V	Limu	wet	0.906		0.014	0.116	mg/kg	B140478	1400260
1411043-18	Zn	Limu	wet	0.90	B	0.19	0.97	mg/kg	B140477	1400285

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Client PM: Dean Dickerson
Client PO: 22678 BSD

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK120C										
1411043-08	Ag	Sea Cucumber	wet	0.019	U	0.019	0.094	mg/kg	B140595	1400313
1411043-08	Al	Sea Cucumber	wet	9.41		0.13	0.75	mg/kg	B140477	1400285
1411043-08	As	Sea Cucumber	wet	0.396		0.013	0.038	mg/kg	B140479	1400247
1411043-08	As(III)	Sea Cucumber	wet	0.007	B	0.003	0.009	mg/kg	B140444	1400259
1411043-08	As(Inorg)	Sea Cucumber	wet	0.017		0.003	0.009	mg/kg	B140443	1400254
1411043-08	As(V)	Sea Cucumber	wet	0.010		0.003	0.009	mg/kg	[CALC]	N/A
1411043-08	Ba	Sea Cucumber	wet	0.11	B	0.03	0.15	mg/kg	B140477	1400285
1411043-08	Be	Sea Cucumber	wet	0.028	U	0.028	0.085	mg/kg	B140595	1400313
1411043-08	Cd	Sea Cucumber	wet	0.007	U	0.007	0.019	mg/kg	B140477	1400285
1411043-08	Co	Sea Cucumber	wet	0.049	B	0.019	0.151	mg/kg	B140595	1400313
1411043-08	Cr	Sea Cucumber	wet	0.152		0.017	0.113	mg/kg	B140552	1400274
1411043-08	Cu	Sea Cucumber	wet	0.42		0.03	0.15	mg/kg	B140477	1400285
1411043-08	DMAs	Sea Cucumber	wet	0.004	U	0.004	0.010	mg/kg	B140445	1400262
1411043-08	Fe	Sea Cucumber	wet	16.2		1.22	3.77	mg/kg	B140552	1400274
1411043-08	Hg	Sea Cucumber	wet	0.54		0.12	0.39	ng/g wet	B140435	1400255
1411043-08	MeHg	Sea Cucumber	wet	0.94	U	0.94	2.81	ng/g	B140436	1400248
1411043-08	MMAs	Sea Cucumber	wet	0.003	U	0.003	0.010	mg/kg	B140446	1400263
1411043-08	Mn	Sea Cucumber	wet	0.410		0.011	0.038	mg/kg	B140477	1400285
1411043-08	Pb	Sea Cucumber	wet	0.008	B	0.004	0.04	mg/kg	B140477	1400285
1411043-08	Sb	Sea Cucumber	wet	0.007	U	0.007	0.019	mg/kg	B140477	1400285
1411043-08	Se	Sea Cucumber	wet	0.42		0.06	0.14	mg/kg	B140479	1400247
1411043-08	Tl	Sea Cucumber	wet	0.002	U	0.002	0.008	mg/kg	B140477	1400285
1411043-08	V	Sea Cucumber	wet	0.051	B	0.013	0.113	mg/kg	B140478	1400260
1411043-08	Zn	Sea Cucumber	wet	0.57	B	0.19	0.94	mg/kg	B140477	1400285

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK120L										
1411043-09	Ag	Limu	wet	0.018	U	0.018	0.092	mg/kg	B140595	1400313
1411043-09	Al	Limu	wet	290		0.13	0.74	mg/kg	B140477	1400285
1411043-09	As	Limu	wet	3.12		0.013	0.037	mg/kg	B140479	1400247
1411043-09	As(III)	Limu	wet	1.39		0.075	0.186	mg/kg	B140444	1400259
1411043-09	As(Inorg)	Limu	wet	1.42		0.037	0.093	mg/kg	B140443	1400254
1411043-09	As(V)	Limu	wet	0.075	U	0.075	0.186	mg/kg	[CALC]	N/A
1411043-09	Ba	Limu	wet	3.59		0.03	0.15	mg/kg	B140477	1400285
1411043-09	Be	Limu	wet	0.028	U	0.028	0.083	mg/kg	B140595	1400313
1411043-09	Cd	Limu	wet	0.025		0.006	0.018	mg/kg	B140477	1400285
1411043-09	Co	Limu	wet	0.185		0.018	0.148	mg/kg	B140595	1400313
1411043-09	Cr	Limu	wet	1.41		0.017	0.111	mg/kg	B140552	1400274
1411043-09	Cu	Limu	wet	0.73		0.03	0.15	mg/kg	B140477	1400285
1411043-09	DMAs	Limu	wet	0.270		0.047	0.112	mg/kg	B140445	1400262
1411043-09	Fe	Limu	wet	394		1.20	3.69	mg/kg	B140552	1400274
1411043-09	Hg	Limu	wet	3.54		0.11	0.38	ng/g wet	B140435	1400255
1411043-09	MeHg	Limu	wet	0.97	U	0.97	2.92	ng/g	B140436	1400248
1411043-09	MMAs	Limu	wet	0.037	U	0.037	0.112	mg/kg	B140446	1400263
1411043-09	Mn	Limu	wet	6.99		0.011	0.037	mg/kg	B140477	1400285
1411043-09	Pb	Limu	wet	0.35		0.004	0.04	mg/kg	B140477	1400285
1411043-09	Sb	Limu	wet	0.020		0.006	0.018	mg/kg	B140477	1400285
1411043-09	Se	Limu	wet	0.08	B	0.06	0.14	mg/kg	B140479	1400247
1411043-09	Tl	Limu	wet	0.004	B	0.002	0.007	mg/kg	B140477	1400285
1411043-09	V	Limu	wet	2.95		0.013	0.111	mg/kg	B140478	1400260
1411043-09	Zn	Limu	wet	2.44		0.18	0.92	mg/kg	B140477	1400285

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK121L										
1411043-10	Ag	Limu	wet	0.019	U	0.019	0.096	mg/kg	B140595	1400313
1411043-10	Al	Limu	wet	152		0.13	0.77	mg/kg	B140477	1400285
1411043-10	As	Limu	wet	2.17		0.013	0.038	mg/kg	B140479	1400247
1411043-10	As(III)	Limu	wet	0.621		0.038	0.095	mg/kg	B140444	1400259
1411043-10	As(Inorg)	Limu	wet	0.639		0.038	0.095	mg/kg	B140443	1400254
1411043-10	As(V)	Limu	wet	0.038	U	0.038	0.095	mg/kg	[CALC]	N/A
1411043-10	Ba	Limu	wet	1.46		0.03	0.15	mg/kg	B140477	1400285
1411043-10	Be	Limu	wet	0.029	U	0.029	0.086	mg/kg	B140595	1400313
1411043-10	Cd	Limu	wet	0.031		0.007	0.019	mg/kg	B140477	1400285
1411043-10	Co	Limu	wet	0.090	B	0.019	0.154	mg/kg	B140595	1400313
1411043-10	Cr	Limu	wet	0.963		0.017	0.115	mg/kg	B140552	1400274
1411043-10	Cu	Limu	wet	0.63		0.03	0.15	mg/kg	B140477	1400285
1411043-10	DMAs	Limu	wet	0.213		0.019	0.045	mg/kg	B140445	1400262
1411043-10	Fe	Limu	wet	221		1.25	3.84	mg/kg	B140552	1400274
1411043-10	Hg	Limu	wet	4.38		0.12	0.39	ng/g wet	B140435	1400255
1411043-10	MeHg	Limu	wet	1.07	U	1.07	3.20	ng/g	B140436	1400248
1411043-10	MMAs	Limu	wet	0.015	U	0.015	0.045	mg/kg	B140446	1400263
1411043-10	Mn	Limu	wet	3.57		0.012	0.038	mg/kg	B140477	1400285
1411043-10	Pb	Limu	wet	0.25		0.004	0.04	mg/kg	B140477	1400285
1411043-10	Sb	Limu	wet	0.015	B	0.007	0.019	mg/kg	B140477	1400285
1411043-10	Se	Limu	wet	0.06	U	0.06	0.14	mg/kg	B140479	1400247
1411043-10	Tl	Limu	wet	0.004	B	0.002	0.008	mg/kg	B140477	1400285
1411043-10	V	Limu	wet	1.80		0.013	0.115	mg/kg	B140478	1400260
1411043-10	Zn	Limu	wet	1.74		0.19	0.96	mg/kg	B140477	1400285

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK122L										
1411043-11	Ag	Limu	wet	0.019	U	0.019	0.094	mg/kg	B140595	1400313
1411043-11	Al	Limu	wet	71.9		0.13	0.75	mg/kg	B140477	1400285
1411043-11	As	Limu	wet	2.03		0.013	0.038	mg/kg	B140479	1400247
1411043-11	As(III)	Limu	wet	0.428		0.039	0.097	mg/kg	B140444	1400259
1411043-11	As(Inorg)	Limu	wet	0.430		0.039	0.097	mg/kg	B140443	1400254
1411043-11	As(V)	Limu	wet	0.039	U	0.039	0.097	mg/kg	[CALC]	N/A
1411043-11	Ba	Limu	wet	34.9	M	0.03	0.15	mg/kg	B140477	1400285
1411043-11	Be	Limu	wet	0.028	U	0.028	0.085	mg/kg	B140595	1400313
1411043-11	Cd	Limu	wet	0.038		0.007	0.019	mg/kg	B140477	1400285
1411043-11	Co	Limu	wet	0.111	B	0.019	0.151	mg/kg	B140595	1400313
1411043-11	Cr	Limu	wet	0.534	M	0.017	0.113	mg/kg	B140552	1400274
1411043-11	Cu	Limu	wet	0.53		0.03	0.15	mg/kg	B140477	1400285
1411043-11	DMAs	Limu	wet	0.231		0.019	0.046	mg/kg	B140445	1400262
1411043-11	Fe	Limu	wet	114	M	1.23	3.77	mg/kg	B140552	1400274
1411043-11	Hg	Limu	wet	2.70		0.12	0.39	ng/g wet	B140435	1400255
1411043-11	MeHg	Limu	wet	0.97	U	0.97	2.92	ng/g	B140436	1400248
1411043-11	MMAs	Limu	wet	0.015	U	0.015	0.046	mg/kg	B140446	1400263
1411043-11	Mn	Limu	wet	2.95	M	0.011	0.038	mg/kg	B140477	1400285
1411043-11	Pb	Limu	wet	0.31		0.004	0.04	mg/kg	B140477	1400285
1411043-11	Sb	Limu	wet	0.014	B	0.007	0.019	mg/kg	B140477	1400285
1411043-11	Se	Limu	wet	0.06	U	0.06	0.14	mg/kg	B140479	1400247
1411043-11	Tl	Limu	wet	0.004	B	0.002	0.008	mg/kg	B140477	1400285
1411043-11	V	Limu	wet	2.61	M	0.013	0.113	mg/kg	B140478	1400260
1411043-11	Zn	Limu	wet	1.68		0.19	0.94	mg/kg	B140477	1400285

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK123L										
1411043-12	Ag	Limu	wet	0.020	U	0.020	0.098	mg/kg	B140595	1400293
1411043-12	Al	Limu	wet	55.0		0.14	0.78	mg/kg	B140477	1400285
1411043-12	As	Limu	wet	1.85		0.014	0.039	mg/kg	B140479	1400247
1411043-12	As(III)	Limu	wet	0.261		0.038	0.095	mg/kg	B140444	1400259
1411043-12	As(Inorg)	Limu	wet	0.273		0.038	0.095	mg/kg	B140443	1400254
1411043-12	As(V)	Limu	wet	0.038	U	0.038	0.095	mg/kg	[CALC]	N/A
1411043-12	Ba	Limu	wet	2.84		0.03	0.16	mg/kg	B140477	1400285
1411043-12	Be	Limu	wet	0.029	U	0.029	0.088	mg/kg	B140595	1400293
1411043-12	Cd	Limu	wet	0.042		0.007	0.020	mg/kg	B140477	1400285
1411043-12	Co	Limu	wet	0.080	B	0.020	0.157	mg/kg	B140595	1400293
1411043-12	Cr	Limu	wet	0.301		0.018	0.117	mg/kg	B140552	1400274
1411043-12	Cu	Limu	wet	0.48		0.03	0.16	mg/kg	B140477	1400285
1411043-12	DMAs	Limu	wet	0.225		0.019	0.045	mg/kg	B140445	1400262
1411043-12	Fe	Limu	wet	70.1		1.27	3.91	mg/kg	B140552	1400274
1411043-12	Hg	Limu	wet	2.02		0.12	0.41	ng/g wet	B140435	1400255
1411043-12	MeHg	Limu	wet	0.92	U	0.92	2.76	ng/g	B140436	1400248
1411043-12	MMAs	Limu	wet	0.015	U	0.015	0.045	mg/kg	B140446	1400263
1411043-12	Mn	Limu	wet	1.93		0.012	0.039	mg/kg	B140477	1400285
1411043-12	Pb	Limu	wet	0.16		0.004	0.04	mg/kg	B140477	1400285
1411043-12	Sb	Limu	wet	0.015	B	0.007	0.020	mg/kg	B140477	1400285
1411043-12	Se	Limu	wet	0.06	U	0.06	0.15	mg/kg	B140479	1400247
1411043-12	Tl	Limu	wet	0.003	B	0.002	0.008	mg/kg	B140477	1400285
1411043-12	V	Limu	wet	2.06		0.014	0.117	mg/kg	B140478	1400260
1411043-12	Zn	Limu	wet	1.24		0.20	0.98	mg/kg	B140477	1400285

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK124L										
1411043-13	Ag	Limu	wet	0.020	U	0.020	0.098	mg/kg	B140595	1400293
1411043-13	Al	Limu	wet	543		0.14	0.78	mg/kg	B140477	1400285
1411043-13	As	Limu	wet	2.25		0.014	0.039	mg/kg	B140479	1400247
1411043-13	As(III)	Limu	wet	1.05		0.039	0.097	mg/kg	B140444	1400259
1411043-13	As(Inorg)	Limu	wet	1.28		0.039	0.097	mg/kg	B140443	1400254
1411043-13	As(V)	Limu	wet	0.236		0.039	0.097	mg/kg	[CALC]	N/A
1411043-13	Ba	Limu	wet	22.8		0.03	0.16	mg/kg	B140477	1400285
1411043-13	Be	Limu	wet	0.029	U	0.029	0.088	mg/kg	B140595	1400293
1411043-13	Cd	Limu	wet	0.016	B	0.007	0.020	mg/kg	B140477	1400285
1411043-13	Co	Limu	wet	0.325		0.020	0.157	mg/kg	B140595	1400293
1411043-13	Cr	Limu	wet	2.48		0.018	0.117	mg/kg	B140552	1400274
1411043-13	Cu	Limu	wet	1.04		0.03	0.16	mg/kg	B140477	1400285
1411043-13	DMAs	Limu	wet	0.185		0.019	0.047	mg/kg	B140445	1400262
1411043-13	Fe	Limu	wet	729		1.27	3.91	mg/kg	B140552	1400274
1411043-13	Hg	Limu	wet	3.53		0.11	0.37	ng/g wet	B140435	1400255
1411043-13	MeHg	Limu	wet	0.85	U	0.85	2.54	ng/g	B140436	1400248
1411043-13	MMAs	Limu	wet	0.016	U	0.016	0.047	mg/kg	B140446	1400263
1411043-13	Mn	Limu	wet	12.3		0.012	0.039	mg/kg	B140477	1400285
1411043-13	Pb	Limu	wet	0.54		0.004	0.04	mg/kg	B140477	1400285
1411043-13	Sb	Limu	wet	0.028		0.007	0.020	mg/kg	B140477	1400285
1411043-13	Se	Limu	wet	0.11	B	0.06	0.15	mg/kg	B140479	1400247
1411043-13	Tl	Limu	wet	0.005	B	0.002	0.008	mg/kg	B140477	1400285
1411043-13	V	Limu	wet	4.09		0.014	0.117	mg/kg	B140478	1400260
1411043-13	Zn	Limu	wet	2.50		0.20	0.98	mg/kg	B140477	1400285

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PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK126L										
1411043-19	Ag	Limu	wet	0.020	U	0.020	0.098	mg/kg	B140595	1400293
1411043-19	Al	Limu	wet	838		0.14	0.78	mg/kg	B140477	1400285
1411043-19	As	Limu	wet	2.64		0.014	0.039	mg/kg	B140479	1400247
1411043-19	As(III)	Limu	wet	1.05		0.039	0.098	mg/kg	B140444	1400259
1411043-19	As(Inorg)	Limu	wet	1.38		0.039	0.098	mg/kg	B140443	1400254
1411043-19	As(V)	Limu	wet	0.332		0.039	0.098	mg/kg	[CALC]	N/A
1411043-19	Ba	Limu	wet	3.94		0.03	0.16	mg/kg	B140477	1400285
1411043-19	Be	Limu	wet	0.029	U	0.029	0.088	mg/kg	B140595	1400293
1411043-19	Cd	Limu	wet	0.026		0.007	0.020	mg/kg	B140477	1400285
1411043-19	Co	Limu	wet	0.523		0.020	0.157	mg/kg	B140595	1400293
1411043-19	Cr	Limu	wet	3.65		0.018	0.118	mg/kg	B140552	1400274
1411043-19	Cu	Limu	wet	1.17		0.03	0.16	mg/kg	B140477	1400285
1411043-19	DMAs	Limu	wet	0.235		0.020	0.047	mg/kg	B140445	1400262
1411043-19	Fe	Limu	wet	1140		1.27	3.92	mg/kg	B140552	1400274
1411043-19	Hg	Limu	wet	3.94		0.13	0.42	ng/g wet	B140435	1400255
1411043-19	MeHg	Limu	wet	0.92	U	0.92	2.76	ng/g	B140436	1400248
1411043-19	MMAs	Limu	wet	0.016	U	0.016	0.047	mg/kg	B140446	1400263
1411043-19	Mn	Limu	wet	27.4		0.012	0.039	mg/kg	B140477	1400285
1411043-19	Pb	Limu	wet	0.70		0.004	0.04	mg/kg	B140477	1400285
1411043-19	Sb	Limu	wet	0.022		0.007	0.020	mg/kg	B140477	1400285
1411043-19	Se	Limu	wet	0.09	B	0.06	0.15	mg/kg	B140479	1400247
1411043-19	Tl	Limu	wet	0.008	B	0.002	0.008	mg/kg	B140477	1400285
1411043-19	V	Limu	wet	8.41		0.014	0.118	mg/kg	B140478	1400260
1411043-19	Zn	Limu	wet	2.81		0.20	0.98	mg/kg	B140477	1400285

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Client PO: 22678 BSD

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK127L										
1411043-14	Ag	Limu	wet	0.019	U	0.019	0.097	mg/kg	B140595	1400293
1411043-14	Al	Limu	wet	71.9		0.14	0.78	mg/kg	B140477	1400285
1411043-14	As	Limu	wet	1.64		0.014	0.039	mg/kg	B140479	1400247
1411043-14	As(III)	Limu	wet	0.272		0.037	0.092	mg/kg	B140444	1400259
1411043-14	As(Inorg)	Limu	wet	0.271		0.037	0.092	mg/kg	B140443	1400254
1411043-14	As(V)	Limu	wet	0.037	U	0.037	0.092	mg/kg	[CALC]	N/A
1411043-14	Ba	Limu	wet	1.96		0.03	0.16	mg/kg	B140477	1400285
1411043-14	Be	Limu	wet	0.029	U	0.029	0.087	mg/kg	B140595	1400293
1411043-14	Cd	Limu	wet	0.037		0.007	0.019	mg/kg	B140477	1400285
1411043-14	Co	Limu	wet	0.066	B	0.019	0.155	mg/kg	B140595	1400293
1411043-14	Cr	Limu	wet	0.571		0.017	0.117	mg/kg	B140552	1400274
1411043-14	Cu	Limu	wet	0.51		0.03	0.16	mg/kg	B140477	1400285
1411043-14	DMAs	Limu	wet	0.194		0.018	0.044	mg/kg	B140445	1400262
1411043-14	Fe	Limu	wet	112		1.26	3.88	mg/kg	B140552	1400274
1411043-14	Hg	Limu	wet	2.15		0.12	0.40	ng/g wet	B140435	1400255
1411043-14	MeHg	Limu	wet	1.08	U	1.08	3.23	ng/g	B140436	1400248
1411043-14	MMAs	Limu	wet	0.015	U	0.015	0.044	mg/kg	B140446	1400263
1411043-14	Mn	Limu	wet	2.44		0.012	0.039	mg/kg	B140477	1400285
1411043-14	Pb	Limu	wet	0.20		0.004	0.04	mg/kg	B140477	1400285
1411043-14	Sb	Limu	wet	0.011	B	0.007	0.019	mg/kg	B140477	1400285
1411043-14	Se	Limu	wet	0.06	U	0.06	0.15	mg/kg	B140479	1400247
1411043-14	Tl	Limu	wet	0.005	B	0.002	0.008	mg/kg	B140477	1400285
1411043-14	V	Limu	wet	1.77		0.014	0.117	mg/kg	B140478	1400260
1411043-14	Zn	Limu	wet	1.12		0.19	0.97	mg/kg	B140477	1400285

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Client PO: 22678 BSD

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK128L										
1411043-15	Ag	Limu	wet	0.019	U	0.019	0.095	mg/kg	B140595	1400293
1411043-15	Al	Limu	wet	45.7		0.13	0.76	mg/kg	B140477	1400285
1411043-15	As	Limu	wet	1.55		0.013	0.038	mg/kg	B140479	1400247
1411043-15	As(III)	Limu	wet	0.217		0.039	0.097	mg/kg	B140444	1400259
1411043-15	As(Inorg)	Limu	wet	0.224		0.039	0.097	mg/kg	B140443	1400254
1411043-15	As(V)	Limu	wet	0.039	U	0.039	0.097	mg/kg	[CALC]	N/A
1411043-15	Ba	Limu	wet	1.58		0.03	0.15	mg/kg	B140477	1400285
1411043-15	Be	Limu	wet	0.029	U	0.029	0.086	mg/kg	B140595	1400293
1411043-15	Cd	Limu	wet	0.027		0.007	0.019	mg/kg	B140477	1400285
1411043-15	Co	Limu	wet	0.047	B	0.019	0.152	mg/kg	B140595	1400293
1411043-15	Cr	Limu	wet	0.319		0.017	0.114	mg/kg	B140552	1400274
1411043-15	Cu	Limu	wet	0.47		0.03	0.15	mg/kg	B140477	1400285
1411043-15	DMAs	Limu	wet	0.245		0.019	0.046	mg/kg	B140445	1400262
1411043-15	Fe	Limu	wet	66.7		1.24	3.80	mg/kg	B140552	1400274
1411043-15	Hg	Limu	wet	1.70		0.11	0.38	ng/g wet	B140435	1400255
1411043-15	MeHg	Limu	wet	1.06	U	1.06	3.19	ng/g	B140436	1400248
1411043-15	MMAs	Limu	wet	0.015	U	0.015	0.046	mg/kg	B140446	1400263
1411043-15	Mn	Limu	wet	2.05		0.011	0.038	mg/kg	B140477	1400285
1411043-15	Pb	Limu	wet	0.17		0.004	0.04	mg/kg	B140477	1400285
1411043-15	Sb	Limu	wet	0.009	B	0.007	0.019	mg/kg	B140477	1400285
1411043-15	Se	Limu	wet	0.06	U	0.06	0.14	mg/kg	B140479	1400247
1411043-15	Tl	Limu	wet	0.004	B	0.002	0.008	mg/kg	B140477	1400285
1411043-15	V	Limu	wet	1.29		0.013	0.114	mg/kg	B140478	1400260
1411043-15	Zn	Limu	wet	1.24		0.19	0.95	mg/kg	B140477	1400285

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140435
Lab Matrix: Biota
Method: EPA 1631 Appendix

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140435-SRM1	**Certified Reference Material (1329003, DORM-4)**								
	Hg		410.0	406.6	ng/g	99%	75-125		
B140435-DUP1	**Duplicate (1411043-01)**								
	Hg	0.37		0.35	ng/g			5%	30
B140435-MS1	**Matrix Spike (1411043-01)**								
	Hg	0.37	4.814	6.44	ng/g	126%	70-130		
B140435-MSD1	**Matrix Spike Duplicate (1411043-01)**								
	Hg	0.37	4.587	5.51	ng/g	112%	70-130	16%	30
B140435-DUP2	**Duplicate (1411043-09)**								
	Hg	3.54		4.00	ng/g			12%	30
B140435-MS2	**Matrix Spike (1411043-09)**								
	Hg	3.54	20.34	28.20	ng/g	121%	70-130		
B140435-MSD2	**Matrix Spike Duplicate (1411043-09)**								
	Hg	3.54	18.70	27.07	ng/g	126%	70-130	4%	30

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Project ID: ARD-MV1302
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Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140436
Lab Matrix: Biota
Method: EPA 1630

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140436-SRM1	**Certified Reference Material (1327017, TORT-3)**								
	MeHg		137.0	112.4	ng/g	82%	65-135		
B140436-DUP1	**Duplicate (1411043-01)**								
	MeHg	ND		ND	ng/g			N/C	35
B140436-MS1	**Matrix Spike (1411043-01)**								
	MeHg	ND	201.4	262.2	ng/g	130%	65-135		
B140436-MSD1	**Matrix Spike Duplicate (1411043-01)**								
	MeHg	ND	184.5	227.3	ng/g	123%	65-135	14%	35
B140436-DUP2	**Duplicate (1411043-09)**								
	MeHg	ND		ND	ng/g			N/C	35
B140436-MS2	**Matrix Spike (1411043-09)**								
	MeHg	ND	200.6	246.5	ng/g	123%	65-135		
B140436-MSD2	**Matrix Spike Duplicate (1411043-09)**								
	MeHg	ND	193.6	243.5	ng/g	126%	65-135	1%	35

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Project ID: ARD-MV1302
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Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140443
Lab Matrix: Biota
Method: EPA 1632

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140443-BS1	**Laboratory Fortified Blank (1410002)**								
	As(Inorg)		0.1000	0.105	mg/kg	105%	65-135		
B140443-SRM1	**Certified Reference Material (1337024, NIST 1568b)**								
	As(Inorg)		0.09200	0.096	mg/kg	105%	75-125		
B140443-SRM2	**Certified Reference Material (1337024, NIST 1568b)**								
	As(Inorg)		0.09200	0.094	mg/kg	103%	75-125		
B140443-DUP1	**Duplicate (1411043-01)**								
	As(Inorg)	0.049		0.042	mg/kg			14%	35
B140443-MS1	**Matrix Spike (1411043-01)**								
	As(Inorg)	0.049	0.1007	0.147	mg/kg	97%	65-135		
B140443-MSD1	**Matrix Spike Duplicate (1411043-01)**								
	As(Inorg)	0.049	0.09098	0.111	mg/kg	68%	65-135	28%	35
B140443-DUP2	**Duplicate (1411043-09)**								
	As(Inorg)	1.419		1.431	mg/kg			0.9%	35
B140443-MS2	**Matrix Spike (1411043-09)**								
	As(Inorg)	1.419	0.9036	1.819	mg/kg	*44%*	65-135		
B140443-MSD2	**Matrix Spike Duplicate (1411043-09)**								
	As(Inorg)	1.419	0.9618	2.077	mg/kg	68%	65-135	13%	35
B140443-PS1	**Post Spike (1411043-09)**								
	As(Inorg)	1.419	1.864	3.128	mg/kg	92%	65-135		

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Project ID: ARD-MV1302
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Client PM: Dean Dickerson
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Accuracy & Precision Summary

Batch: B140444
Lab Matrix: Biota
Method: EPA 1632

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B140444-BS2	**Laboratory Fortified Blank (1410006)**						
	As(III)		0.1003	0.082	mg/kg	82% 50-150	
B140444-DUP1	**Duplicate (1411043-01)**						
	As(III)	0.011		0.010	mg/kg		3% 35
B140444-MS1	**Matrix Spike (1411043-01)**						
	As(III)	0.011	0.1007	0.103	mg/kg	92% 50-150	
B140444-MSD1	**Matrix Spike Duplicate (1411043-01)**						
	As(III)	0.011	0.09098	0.091	mg/kg	89% 50-150	12% 35
B140444-DUP2	**Duplicate (1411043-09)**						
	As(III)	1.392		1.501	mg/kg		8% 35
B140444-PS1	**Post Spike (1411043-09)**						
	As(III)	1.392	1.864	3.227	mg/kg	98% 65-135	

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Project ID: ARD-MV1302
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Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140445
Lab Matrix: Biota
Method: EPA 1632

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B140445-BS1	**Laboratory Fortified Blank (1410038)**						
	DMAs		0.1000	0.099	mg/kg	99% 60-140	
B140445-SRM1	**Certified Reference Material (1337024, NIST 1568b)**						
	DMAs		0.1800	0.135	mg/kg	75% 75-125	
B140445-SRM2	**Certified Reference Material (1337024, NIST 1568b)**						
	DMAs		0.1800	0.137	mg/kg	76% 75-125	
B140445-DUP1	**Duplicate (1411043-01)**						
	DMAs	ND		ND	mg/kg		N/C 35
B140445-MS1	**Matrix Spike (1411043-01)**						
	DMAs	ND	0.09349	0.088	mg/kg	90% 60-140	
B140445-MSD1	**Matrix Spike Duplicate (1411043-01)**						
	DMAs	ND	0.09061	0.074	mg/kg	77% 60-140	18% 35
B140445-DUP2	**Duplicate (1411043-09)**						
	DMAs	0.270		0.249	mg/kg		8% 35
B140445-MS2	**Matrix Spike (1411043-09)**						
	DMAs	0.270	0.9542	1.123	mg/kg	89% 60-140	
B140445-MSD2	**Matrix Spike Duplicate (1411043-09)**						
	DMAs	0.270	0.8914	1.114	mg/kg	95% 60-140	0.8% 35

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Project ID: ARD-MV1302
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Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140446
Lab Matrix: Biota
Method: EPA 1632

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140446-BS1	**Laboratory Fortified Blank (1410037)**								
	MMAs		0.1000	0.107	mg/kg	107%	60-140		
B140446-DUP1	**Duplicate (1411043-01)**								
	MMAs	ND		ND	mg/kg			N/C	25
B140446-MS1	**Matrix Spike (1411043-01)**								
	MMAs	ND	0.09349	0.083	mg/kg	88%	60-140		
B140446-MSD1	**Matrix Spike Duplicate (1411043-01)**								
	MMAs	ND	0.09061	0.076	mg/kg	83%	60-140	9%	25
B140446-DUP2	**Duplicate (1411043-09)**								
	MMAs	ND		ND	mg/kg			N/C	25
B140446-MS2	**Matrix Spike (1411043-09)**								
	MMAs	ND	0.09542	0.101	mg/kg	106%	60-140		
B140446-MSD2	**Matrix Spike Duplicate (1411043-09)**								
	MMAs	ND	0.08914	0.120	mg/kg	135%	60-140	17%	25

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140477
Lab Matrix: Biota
Method: EPA 200.8

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140477-BS1	**Laboratory Fortified Blank (1413003)**								
	Al		500.0	492.1	mg/kg	98%	85-115		
	Ba		1.600	1.69	mg/kg	106%	85-115		
	Cd		0.2000	0.191	mg/kg	95%	85-115		
	Cu		10.00	9.81	mg/kg	98%	85-115		
	Mn		13.00	12.32	mg/kg	95%	85-115		
	Pb		1.498	1.45	mg/kg	97%	85-115		
	Sb		0.2000	0.202	mg/kg	101%	85-115		
	Tl		1.000	0.98	mg/kg	98%	85-115		
	Zn		10.00	9.10	mg/kg	91%	85-115		
B140477-SRM1	**Certified Reference Material (1329003, DORM-4)**								
	Cd		0.3060	0.306	mg/kg	100%	75-125		
	Cu		15.90	16.06	mg/kg	101%	75-125		
	Pb		0.4160	0.22	mg/kg	*52%*	75-125		
	Zn		52.20	49.69	mg/kg	95%	75-125		
B140477-SRM2	**Certified Reference Material (1327017, TORT-3)**								
	Cd		42.30	41.85	mg/kg	99%	75-125		
	Cu		497.0	492.7	mg/kg	99%	75-125		
	Mn		15.60	14.15	mg/kg	91%	75-125		
	Pb		0.2250	0.21	mg/kg	93%	75-125		
	Zn		136.0	129.4	mg/kg	95%	75-125		
B140477-DUP1	**Duplicate (1411043-01)**								
	Al	4.40		2.31	mg/kg			*62%*	30
	Ba	0.18		0.15	mg/kg			17%	30
	Cd	ND		ND	mg/kg			N/C	30
	Cu	0.45		0.43	mg/kg			3%	30
	Mn	0.742		0.670	mg/kg			10%	30
	Pb	0.07		0.04	mg/kg			*50%*	30
	Sb	ND		ND	mg/kg			N/C	30
	Tl	ND		ND	mg/kg			N/C	30
	Zn	1.56		1.49	mg/kg			5%	30

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140477
Lab Matrix: Biota
Method: EPA 200.8

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B140477-MS1	**Matrix Spike (1411043-01)**						
	Al	4.40	495.0	504.3	mg/kg	101% 70-130	
	Ba	0.18	1.584	1.88	mg/kg	107% 70-130	
	Cd	ND	0.1980	0.193	mg/kg	95% 70-130	
	Cu	0.45	9.901	9.93	mg/kg	96% 70-130	
	Mn	0.742	12.87	12.51	mg/kg	91% 70-130	
	Pb	0.07	1.484	1.45	mg/kg	93% 70-130	
	Sb	ND	0.1980	0.204	mg/kg	97% 70-130	
	Tl	ND	0.9901	0.96	mg/kg	102% 70-130	
	Zn	1.56	9.901	11.00	mg/kg	95% 70-130	
B140477-MSD1	**Matrix Spike Duplicate (1411043-01)**						
	Al	4.40	496.0	496.2	mg/kg	99% 70-130	2% 30
	Ba	0.18	1.587	1.92	mg/kg	109% 70-130	2% 30
	Cd	ND	0.1984	0.193	mg/kg	95% 70-130	0.2% 30
	Cu	0.45	9.921	10.01	mg/kg	96% 70-130	0.8% 30
	Mn	0.742	12.90	12.70	mg/kg	93% 70-130	1% 30
	Pb	0.07	1.487	1.45	mg/kg	93% 70-130	0.2% 30
	Sb	ND	0.1984	0.202	mg/kg	96% 70-130	1% 30
	Tl	ND	0.9921	0.95	mg/kg	100% 70-130	1% 30
	Zn	1.56	9.921	10.76	mg/kg	93% 70-130	2% 30
B140477-DUP2	**Duplicate (1411043-11)**						
	Al	71.92		53.98	mg/kg		28% 30
	Ba	34.94		29.69	mg/kg		16% 30
	Cd	0.038		0.033	mg/kg		14% 30
	Cu	0.53		0.51	mg/kg		5% 30
	Mn	2.946		1.793	mg/kg		*49%* 30
	Pb	0.31		0.25	mg/kg		22% 30
	Sb	0.014		0.012	mg/kg		17% 30
	Tl	0.004		0.003	mg/kg		15% 30
	Zn	1.68		1.23	mg/kg		*31%* 30

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140477
Lab Matrix: Biota
Method: EPA 200.8

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140477-MS2	**Matrix Spike (1411043-11)**								
	Al	71.92	503.0	597.3	mg/kg	104%	70-130		
	Ba	34.94	1.610	47.65	mg/kg	NR	70-130		
	Cd	0.038	0.2012	0.227	mg/kg	94%	70-130		
	Cu	0.53	10.06	10.01	mg/kg	94%	70-130		
	Mn	2.946	13.08	16.25	mg/kg	102%	70-130		
	Pb	0.31	1.507	1.78	mg/kg	98%	70-130		
	Sb	0.014	0.2012	0.214	mg/kg	100%	70-130		
	Tl	0.004	1.006	0.93	mg/kg	92%	70-130		
	Zn	1.68	10.06	10.91	mg/kg	92%	70-130		
B140477-MSD2	**Matrix Spike Duplicate (1411043-11)**								
	Al	71.92	478.9	529.6	mg/kg	96%	70-130	12%	30
	Ba	34.94	1.533	28.03	mg/kg	NR	70-130	*52%*	30
	Cd	0.038	0.1916	0.222	mg/kg	96%	70-130	3%	30
	Cu	0.53	9.579	9.85	mg/kg	97%	70-130	2%	30
	Mn	2.946	12.45	13.34	mg/kg	83%	70-130	20%	30
	Pb	0.31	1.435	1.75	mg/kg	100%	70-130	2%	30
	Sb	0.014	0.1916	0.202	mg/kg	98%	70-130	6%	30
	Tl	0.004	0.9579	0.90	mg/kg	94%	70-130	3%	30
	Zn	1.68	9.579	10.40	mg/kg	91%	70-130	5%	30

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140478
Lab Matrix: Biota
Method: EPA 200.8 DRC

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140478-BS1	**Laboratory Fortified Blank (1413003)**								
	V		4.000	4.330	mg/kg	108%	85-115		
B140478-SRM2	**Certified Reference Material (1327017, TORT-3)**								
	V		9.100	8.647	mg/kg	95%	75-125		
B140478-DUP1	**Duplicate (1411043-01)**								
	V	0.077		0.062	mg/kg			22%	30
B140478-MS1	**Matrix Spike (1411043-01)**								
	V	0.077	3.960	4.853	mg/kg	121%	70-130		
B140478-MSD1	**Matrix Spike Duplicate (1411043-01)**								
	V	0.077	3.968	4.790	mg/kg	119%	70-130	1%	30
B140478-DUP2	**Duplicate (1411043-11)**								
	V	2.614		1.906	mg/kg			*31%*	30
B140478-MS2	**Matrix Spike (1411043-11)**								
	V	2.614	4.024	7.030	mg/kg	110%	70-130		
B140478-MSD2	**Matrix Spike Duplicate (1411043-11)**								
	V	2.614	3.831	6.231	mg/kg	94%	70-130	12%	30

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140479
Lab Matrix: Biota
Method: EPA 200.8 DRC

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B140479-BS1	**Laboratory Fortified Blank (1413003)**						
	As		10.00	9.781	mg/kg	98% 85-115	
	Se		1.500	1.47	mg/kg	98% 85-115	
B140479-SRM1	**Certified Reference Material (1329003, DORM-4)**						
	As		6.880	6.799	mg/kg	99% 75-125	
	Se		3.560	3.63	mg/kg	102% 75-125	
B140479-SRM2	**Certified Reference Material (1327017, TORT-3)**						
	As		59.50	66.74	mg/kg	112% 75-125	
	Se		10.90	11.00	mg/kg	101% 75-125	
B140479-DUP1	**Duplicate (1411043-01)**						
	As	0.798		0.783	mg/kg		2% 30
	Se	0.43		0.39	mg/kg		10% 30
B140479-MS1	**Matrix Spike (1411043-01)**						
	As	0.798	9.901	10.84	mg/kg	101% 70-130	
	Se	0.43	1.485	1.83	mg/kg	94% 70-130	
B140479-MSD1	**Matrix Spike Duplicate (1411043-01)**						
	As	0.798	9.921	10.81	mg/kg	101% 70-130	0.3% 30
	Se	0.43	1.488	1.85	mg/kg	95% 70-130	1% 30
B140479-DUP2	**Duplicate (1411043-11)**						
	As	2.033		1.762	mg/kg		14% 30
	Se	ND		ND	mg/kg		N/C 30
B140479-MS2	**Matrix Spike (1411043-11)**						
	As	2.033	10.06	12.34	mg/kg	102% 70-130	
	Se	ND	1.509	1.54	mg/kg	102% 70-130	

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140479
Lab Matrix: Biota
Method: EPA 200.8 DRC

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140479-MSD2	**Matrix Spike Duplicate (1411043-11)**								
	As	2.033	9.579	11.24	mg/kg	96%	70-130	9%	30
	Se	ND	1.437	1.50	mg/kg	105%	70-130	2%	30

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140552
Lab Matrix: Biota
Method: EPA 200.8 DRC

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140552-BS1	**Laboratory Fortified Blank (1413003)**								
	Cr		3.004	3.099	mg/kg	103%	85-115		
	Fe		1004	1014	mg/kg	101%	85-115		
B140552-SRM1	**Certified Reference Material (1329003, DORM-4)**								
	Cr		1.870	1.536	mg/kg	82%	75-125		
	Fe		341.0	330.8	mg/kg	97%	75-125		
B140552-SRM2	**Certified Reference Material (1327017, TORT-3)**								
	Cr		1.950	1.231	mg/kg	*63%*	75-125		
	Fe		179.0	157.9	mg/kg	88%	75-125		
B140552-DUP1	**Duplicate (1411043-01)**								
	Cr	0.596		0.581	mg/kg			3%	30
	Fe	17.20		12.55	mg/kg			*31%*	30
B140552-MS1	**Matrix Spike (1411043-01)**								
	Cr	0.596	2.974	3.400	mg/kg	94%	70-130		
	Fe	17.20	994.1	988.5	mg/kg	98%	70-130		
B140552-MSD1	**Matrix Spike Duplicate (1411043-01)**								
	Cr	0.596	2.980	3.638	mg/kg	102%	70-130	7%	30
	Fe	17.20	996.0	1015	mg/kg	100%	70-130	3%	30
B140552-DUP2	**Duplicate (1411043-11)**								
	Cr	0.534		0.382	mg/kg			*33%*	30
	Fe	114.5		75.23	mg/kg			*41%*	30
B140552-MS2	**Matrix Spike (1411043-11)**								
	Cr	0.534	3.022	3.922	mg/kg	112%	70-130		
	Fe	114.5	1010	1166	mg/kg	104%	70-130		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140552
Lab Matrix: Biota
Method: EPA 200.8 DRC

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B140552-MSD2	**Matrix Spike Duplicate (1411043-11)**						
	Cr	0.534	2.877	3.040	mg/kg	87% 70-130	25% 30
	Fe	114.5	961.7	977.7	mg/kg	90% 70-130	18% 30

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140595
Lab Matrix: Biota
Method: EPA 200.8

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140595-BS1	**Laboratory Fortified Blank (1413003)**								
	Ag		1.000	1.049	mg/kg	105%	85-115		
	Be		0.9000	0.872	mg/kg	97%	85-115		
	Co		1.598	1.706	mg/kg	107%	85-115		
B140595-SRM2	**Certified Reference Material (1327017, TORT-3)**								
	Co		1.060	1.196	mg/kg	113%	N/A		
B140595-DUP3	**Duplicate (1411043-01)**								
	Ag	ND		ND	mg/kg			N/C	30
	Be	ND		ND	mg/kg			N/C	30
	Co	0.047		0.044	mg/kg			6%	30
B140595-MS3	**Matrix Spike (1411043-01)**								
	Ag	ND	0.9901	1.118	mg/kg	113%	70-130		
	Be	ND	0.8911	0.847	mg/kg	95%	70-130		
	Co	0.047	1.583	1.708	mg/kg	105%	70-130		
B140595-MSD3	**Matrix Spike Duplicate (1411043-01)**								
	Ag	ND	0.9921	1.107	mg/kg	112%	70-130	1%	30
	Be	ND	0.8929	0.833	mg/kg	93%	70-130	2%	30
	Co	0.047	1.586	1.733	mg/kg	106%	70-130	1%	30
B140595-DUP4	**Duplicate (1411043-11)**								
	Ag	ND		ND	mg/kg			N/C	30
	Be	ND		ND	mg/kg			N/C	30
	Co	0.111		0.076	mg/kg			*38%*	30
B140595-MS4	**Matrix Spike (1411043-11)**								
	Ag	ND	1.006	0.964	mg/kg	96%	70-130		
	Be	ND	0.9054	0.897	mg/kg	99%	70-130		
	Co	0.111	1.608	1.733	mg/kg	101%	70-130		

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PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140595
Lab Matrix: Biota
Method: EPA 200.8

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140595-MSD4	**Matrix Spike Duplicate (1411043-11)**								
	Ag	ND	0.9579	0.974	mg/kg	102%	70-130	1%	30
	Be	ND	0.8621	0.827	mg/kg	96%	70-130	8%	30
	Co	0.111	1.531	1.641	mg/kg	100%	70-130	5%	30

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Method Blanks & Reporting Limits

Batch: B140435
Matrix: Biota
Method: EPA 1631 Appendix
Analyte: Hg

Sample	Result	Units
B140435-BLK1	0.02	ng/g wet
B140435-BLK2	0.02	ng/g wet
B140435-BLK3	0.03	ng/g wet
B140435-BLK4	0.04	ng/g wet

Average: 0.03 **Standard Deviation:** 0.01 **MDL:** 0.12
Limit: 0.24 **Limit:** 0.08 **MRL:** 0.40

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Method Blanks & Reporting Limits

Batch: B140436
Matrix: Biota
Method: EPA 1630
Analyte: MeHg

Sample	Result	Units
B140436-BLK1	0.04	ng/g
B140436-BLK2	0.04	ng/g
B140436-BLK3	0.002	ng/g
B140436-BLK4	0.07	ng/g

Average: 0.04 **Standard Deviation:** 0.03 **MDL:** 1.00
Limit: 2.00 **Limit:** 0.67 **MRL:** 3.00

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Method Blanks & Reporting Limits

Batch: B140443
Matrix: Biota
Method: EPA 1632
Analyte: As(Inorg)

Sample	Result	Units
B140443-BLK1	0.00005	mg/kg
B140443-BLK2	0.0003	mg/kg
B140443-BLK3	0.00002	mg/kg
B140443-BLK4	0.001	mg/kg

Average: 0.000 **Standard Deviation:** 0.000 **MDL:** 0.004
Limit: 0.008 **Limit:** 0.003 **MRL:** 0.010

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Method Blanks & Reporting Limits

Batch: B140444
Matrix: Biota
Method: EPA 1632
Analyte: As(III)

Sample	Result	Units
B140444-BLK1	-0.0001	mg/kg
B140444-BLK2	0.000007	mg/kg
B140444-BLK3	-0.0002	mg/kg

Average: 0.000 **Standard Deviation:** 0.000 **MDL:** 0.004
Limit: 0.008 **Limit:** 0.003 **MRL:** 0.010

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Method Blanks & Reporting Limits

Batch: B140445
Matrix: Biota
Method: EPA 1632
Analyte: DMAs

Sample	Result	Units
B140445-BLK1	0.00	mg/kg
B140445-BLK2	0.00	mg/kg
B140445-BLK3	0.00	mg/kg
B140445-BLK4	0.00	mg/kg

Average: 0.000 **Standard Deviation:** 0.000 **MDL:** 0.005
Limit: 0.010 **Limit:** 0.003 **MRL:** 0.012

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Method Blanks & Reporting Limits

Batch: B140446
Matrix: Biota
Method: EPA 1632
Analyte: MMAs

Sample	Result	Units
B140446-BLK1	0.00	mg/kg
B140446-BLK2	0.00	mg/kg
B140446-BLK3	0.00	mg/kg
B140446-BLK4	0.00	mg/kg

Average: 0.000 **Standard Deviation:** 0.000 **MDL:** 0.004
Limit: 0.008 **Limit:** 0.003 **MRL:** 0.012

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Method Blanks & Reporting Limits

Batch: B140477
Matrix: Biota
Method: EPA 200.8
Analyte: Al

Sample	Result	Units
B140477-BLK1	-0.23	mg/kg
B140477-BLK2	-0.16	mg/kg
B140477-BLK3	-0.14	mg/kg
B140477-BLK4	-0.07	mg/kg

Average: -0.15 **Standard Deviation:** 0.07 **MDL:** 0.14
Limit: 0.80 **Limit:** 0.14 **MRL:** 0.80

Analyte: Ba

Sample	Result	Units
B140477-BLK1	-0.0004	mg/kg
B140477-BLK2	-0.0003	mg/kg
B140477-BLK3	-0.0004	mg/kg
B140477-BLK4	-0.0003	mg/kg

Average: 0.00 **Standard Deviation:** 0.00 **MDL:** 0.03
Limit: 0.16 **Limit:** 0.03 **MRL:** 0.16

Analyte: Cd 114

Sample	Result	Units
B140477-BLK1	-0.0006	mg/kg
B140477-BLK2	-0.0003	mg/kg
B140477-BLK3	-0.0007	mg/kg
B140477-BLK4	-0.00003	mg/kg

Average: 0.000 **Standard Deviation:** 0.000 **MDL:** 0.007
Limit: 0.020 **Limit:** 0.007 **MRL:** 0.020

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Method Blanks & Reporting Limits

Analyte: Cu 63

Sample	Result	Units
B140477-BLK1	-0.009	mg/kg
B140477-BLK2	-0.01	mg/kg
B140477-BLK3	-0.01	mg/kg
B140477-BLK4	-0.009	mg/kg

Average: -0.01 **Standard Deviation:** 0.00 **MDL:** 0.03
Limit: 0.16 **Limit:** 0.03 **MRL:** 0.16

Analyte: Mn

Sample	Result	Units
B140477-BLK1	-0.012	mg/kg
B140477-BLK2	-0.013	mg/kg
B140477-BLK3	-0.013	mg/kg
B140477-BLK4	-0.012	mg/kg

Average: -0.013 **Standard Deviation:** 0.001 **MDL:** 0.012
Limit: 0.040 **Limit:** 0.012 **MRL:** 0.040

Analyte: Pb

Sample	Result	Units
B140477-BLK1	-0.001	mg/kg
B140477-BLK2	-0.0009	mg/kg
B140477-BLK3	-0.001	mg/kg
B140477-BLK4	-0.0009	mg/kg

Average: 0.00 **Standard Deviation:** 0.00 **MDL:** 0.004
Limit: 0.04 **Limit:** 0.00 **MRL:** 0.04

Analyte: Sb

Sample	Result	Units
B140477-BLK1	-0.00004	mg/kg
B140477-BLK2	-0.00002	mg/kg
B140477-BLK3	0.0001	mg/kg
B140477-BLK4	0.00002	mg/kg

Average: 0.000 **Standard Deviation:** 0.000 **MDL:** 0.007
Limit: 0.020 **Limit:** 0.007 **MRL:** 0.020

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Method Blanks & Reporting Limits

Analyte: Tl

Sample	Result	Units
B140477-BLK1	-0.0007	mg/kg
B140477-BLK2	-0.0007	mg/kg
B140477-BLK3	-0.0007	mg/kg
B140477-BLK4	-0.0007	mg/kg

Average: 0.00 **Standard Deviation:** 0.00 **MDL:** 0.002
Limit: 0.01 **Limit:** 0.00 **MRL:** 0.008

Analyte: Zn 66

Sample	Result	Units
B140477-BLK1	0.04	mg/kg
B140477-BLK2	0.21	mg/kg
B140477-BLK3	0.04	mg/kg
B140477-BLK4	0.04	mg/kg

Average: 0.08 **Standard Deviation:** 0.09 **MDL:** 0.20
Limit: 1.00 **Limit:** 0.20 **MRL:** 1.00

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Method Blanks & Reporting Limits

Batch: B140478
Matrix: Biota
Method: EPA 200.8 DRC
Analyte: V

Sample	Result	Units
B140478-BLK1	0.005	mg/kg
B140478-BLK2	0.005	mg/kg
B140478-BLK3	0.005	mg/kg
B140478-BLK4	0.005	mg/kg

Average: 0.005 **Standard Deviation:** 0.000 **MDL:** 0.014
Limit: 0.120 **Limit:** 0.014 **MRL:** 0.120

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Method Blanks & Reporting Limits

Batch: B140479
Matrix: Biota
Method: EPA 200.8 DRC
Analyte: As 91

Sample	Result	Units
B140479-BLK1	-0.001	mg/kg
B140479-BLK2	-0.003	mg/kg
B140479-BLK3	-0.002	mg/kg
B140479-BLK4	-0.004	mg/kg

Average: -0.003 **Standard Deviation:** 0.001 **MDL:** 0.014
Limit: 0.040 **Limit:** 0.014 **MRL:** 0.040

Analyte: Se 78

Sample	Result	Units
B140479-BLK1	0.02	mg/kg
B140479-BLK2	0.01	mg/kg
B140479-BLK3	0.02	mg/kg
B140479-BLK4	0.02	mg/kg

Average: 0.02 **Standard Deviation:** 0.01 **MDL:** 0.06
Limit: 0.15 **Limit:** 0.06 **MRL:** 0.15

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Method Blanks & Reporting Limits

Batch: B140552
Matrix: Biota
Method: EPA 200.8 DRC
Analyte: Cr 52

Sample	Result	Units
B140552-BLK1	0.015	mg/kg
B140552-BLK2	0.010	mg/kg
B140552-BLK3	0.011	mg/kg
B140552-BLK4	0.012	mg/kg

Average: 0.012 **Standard Deviation:** 0.002 **MDL:** 0.018
Limit: 0.120 **Limit:** 0.018 **MRL:** 0.120

Analyte: Fe 56

Sample	Result	Units
B140552-BLK1	0.70	mg/kg
B140552-BLK2	0.65	mg/kg
B140552-BLK3	0.66	mg/kg
B140552-BLK4	0.63	mg/kg

Average: 0.66 **Standard Deviation:** 0.03 **MDL:** 1.30
Limit: 4.00 **Limit:** 1.30 **MRL:** 4.00

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Method Blanks & Reporting Limits

Batch: B140595
Matrix: Biota
Method: EPA 200.8
Analyte: Ag 107

Sample	Result	Units
B140595-BLK1	-0.001	mg/kg
B140595-BLK2	-0.001	mg/kg
B140595-BLK3	-0.001	mg/kg
B140595-BLK4	-0.001	mg/kg

Average: -0.001 **Standard Deviation:** 0.000 **MDL:** 0.020
Limit: 0.100 **Limit:** 0.020 **MRL:** 0.100

Analyte: Be

Sample	Result	Units
B140595-BLK1	-0.012	mg/kg
B140595-BLK2	-0.012	mg/kg
B140595-BLK3	-0.012	mg/kg
B140595-BLK4	-0.012	mg/kg

Average: -0.012 **Standard Deviation:** 0.000 **MDL:** 0.030
Limit: 0.090 **Limit:** 0.030 **MRL:** 0.090

Analyte: Co

Sample	Result	Units
B140595-BLK1	-0.004	mg/kg
B140595-BLK2	-0.005	mg/kg
B140595-BLK3	-0.005	mg/kg
B140595-BLK4	-0.005	mg/kg

Average: -0.005 **Standard Deviation:** 0.001 **MDL:** 0.020
Limit: 0.160 **Limit:** 0.020 **MRL:** 0.160

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400247
Instrument: ICP-MS-2
Date: 03/25/2014
Analyte: As 91

Trace Metals by ICP-DRC-MS
Method: EPA 200.8 DRC

Lab ID	True Value	Result	Units	REC & Limits	
1400247-ICB1		0.000	µg/L		
1400247-CAL1	0.02500	0.025	µg/L	99%	
1400247-CAL2	0.05000	0.051	µg/L	102%	
1400247-CAL3	0.2500	0.247	µg/L	99%	
1400247-CAL4	1.000	1.015	µg/L	101%	
1400247-CAL5	5.000	5.023	µg/L	100%	
1400247-CAL6	25.00	25.26	µg/L	101%	
1400247-CAL7	125.0	124.0	µg/L	99%	
1400247-CAL8	500.0	488.8	µg/L	98%	
1400247-ICB2		0.120	µg/L		
1400247-ICV1	5.000	4.894	µg/L	98%	90-110
1400247-IBL1		0.009	µg/L		
1400247-IBL2		0.005	µg/L		
1400247-IBL3		0.003	µg/L		
1400247-IBL4		0.002	µg/L		
1400247-SCV1	60.45	59.71	µg/L	99%	75-125
1400247-CCV1	1.000	1.016	µg/L	102%	90-110
1400247-CCB1		0.0006	µg/L		
1400247-CCV2	1.000	1.040	µg/L	104%	90-110
1400247-CCB2		-0.004	µg/L		
1400247-CCV3	1.000	1.048	µg/L	105%	90-110
1400247-CCB3		-0.003	µg/L		
1400247-CCV4	1.000	0.994	µg/L	99%	90-110
1400247-CCB4		-0.005	µg/L		
1400247-CCV5	1.000	0.993	µg/L	99%	90-110
1400247-CCB5		-0.002	µg/L		
1400247-CCV6	5.000	4.893	µg/L	98%	90-110
1400247-CCB6		0.0002	µg/L		
1400247-CCV7	5.000	4.975	µg/L	99%	90-110
1400247-CCB7		0.004	µg/L		
1400247-CCV8	5.000	4.812	µg/L	96%	90-110
1400247-CCB8		0.005	µg/L		
1400247-CCV9	5.000	4.847	µg/L	97%	90-110
1400247-CCB9		0.008	µg/L		
1400247-CCVA	5.000	4.896	µg/L	98%	90-110
1400247-CCBA		0.009	µg/L		
1400247-CCVB	5.000	4.895	µg/L	98%	90-110
1400247-CCBB		0.009	µg/L		
1400247-CCVC	5.000	4.797	µg/L	96%	90-110
1400247-CCBC		0.007	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400247
Instrument: ICP-MS-2
Date: 03/25/2014
Analyte: As 91

Trace Metals by ICP-DRC-MS
Method: EPA 200.8 DRC

Lab ID	True Value	Result	Units	REC & Limits	
1400247-CCVD	5.000	4.851	µg/L	97%	90-110
1400247-CCBD		0.010	µg/L		
1400247-CCVE	25.00	24.36	µg/L	97%	90-110
1400247-CCBE		0.015	µg/L		
1400247-CCVF	25.00	24.53	µg/L	98%	90-110
1400247-CCBF		0.015	µg/L		
1400247-CCVG	25.00	24.46	µg/L	98%	90-110
1400247-CCBG		0.018	µg/L		
1400247-CCVH	25.00	25.12	µg/L	100%	90-110
1400247-CCBH		0.012	µg/L		
1400247-CCVI	25.00	25.87	µg/L	103%	90-110
1400247-CCBI		0.013	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400247
Instrument: ICP-MS-2
Date: 03/25/2014
Analyte: Se 78

Trace Metals by ICP-DRC-MS
Method: EPA 200.8 DRC

Lab ID	True Value	Result	Units	REC & Limits	
1400247-ICB1		0.00	µg/L		
1400247-CAL1	0.05000	0.05	µg/L	102%	
1400247-CAL2	0.1000	0.10	µg/L	98%	
1400247-CAL3	0.2500	0.24	µg/L	95%	
1400247-CAL4	1.000	1.05	µg/L	105%	
1400247-CAL5	5.000	5.04	µg/L	101%	
1400247-CAL6	25.00	25.04	µg/L	100%	
1400247-CAL7	125.0	124.3	µg/L	99%	
1400247-CAL8	500.0	500.4	µg/L	100%	
1400247-ICB2		0.28	µg/L		
1400247-ICV1	10.00	9.92	µg/L	99%	90-110
1400247-IBL1		0.06	µg/L		
1400247-IBL2		0.05	µg/L		
1400247-IBL3		0.03	µg/L		
1400247-IBL4		0.03	µg/L		
1400247-SCV1	11.97	12.92	µg/L	108%	75-125
1400247-CCV1	1.000	1.01	µg/L	101%	90-110
1400247-CCB1		0.01	µg/L		
1400247-CCV2	1.000	1.09	µg/L	109%	90-110
1400247-CCB2		0.03	µg/L		
1400247-CCV3	1.000	1.05	µg/L	105%	90-110
1400247-CCB3		0.01	µg/L		
1400247-CCV4	1.000	1.02	µg/L	102%	90-110
1400247-CCB4		0.02	µg/L		
1400247-CCV5	1.000	1.05	µg/L	105%	90-110
1400247-CCB5		0.01	µg/L		
1400247-CCV6	5.000	5.21	µg/L	104%	90-110
1400247-CCB6		0.03	µg/L		
1400247-CCV7	5.000	5.25	µg/L	105%	90-110
1400247-CCB7		0.04	µg/L		
1400247-CCV8	5.000	5.14	µg/L	103%	90-110
1400247-CCB8		0.04	µg/L		
1400247-CCV9	5.000	5.23	µg/L	105%	90-110
1400247-CCB9		0.04	µg/L		
1400247-CCVA	5.000	5.22	µg/L	104%	90-110
1400247-CCBA		0.03	µg/L		
1400247-CCVB	5.000	5.15	µg/L	103%	90-110
1400247-CCBB		0.04	µg/L		
1400247-CCVC	5.000	5.14	µg/L	103%	90-110
1400247-CCBC		0.03	µg/L		
1400247-CCVD	5.000	5.30	µg/L	106%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400247
Instrument: ICP-MS-2
Date: 03/25/2014
Analyte: Se 78

Trace Metals by ICP-DRC-MS
Method: EPA 200.8 DRC

Lab ID	True Value	Result	Units	REC & Limits	
1400247-CCBD		0.03	µg/L		
1400247-CCVE	25.00	26.17	µg/L	105%	90-110
1400247-CCBE		0.03	µg/L		
1400247-CCVF	25.00	26.37	µg/L	105%	90-110
1400247-CCBF		0.07	µg/L		
1400247-CCVG	25.00	25.62	µg/L	102%	90-110
1400247-CCBG		0.04	µg/L		
1400247-CCVH	25.00	26.56	µg/L	106%	90-110
1400247-CCBH		0.02	µg/L		
1400247-CCVI	25.00	26.83	µg/L	107%	90-110
1400247-CCBI		0.04	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400248
Instrument: MMHG-09
Date: 03/27/2014
Analyte: MeHg

Total Mercury and Mercury Speciation by CVAFS
Method: EPA 1630

Lab ID	True Value	Result	Units	REC & Limits	
1400248-IBL1		0.02	pg MeHg		
1400248-IBL2		0.06	pg MeHg		
1400248-IBL3		0.04	pg MeHg		
1400248-CAL1	0.5000	0.48	pg MeHg	95%	
1400248-CAL2	1.000	0.93	pg MeHg	93%	
1400248-CAL3	2.000	1.97	pg MeHg	99%	
1400248-CAL4	10.00	10.09	pg MeHg	101%	
1400248-CAL5	50.00	50.45	pg MeHg	101%	
1400248-CAL6	250.0	257.1	pg MeHg	103%	
1400248-CAL7	1000	1095	pg MeHg	110%	
1400248-CCB1		1.36	pg MeHg		
1400248-ICV1	100.0	95.94	pg MeHg	96%	80-120
1400248-CCB2		1.35	pg MeHg		
1400248-CCV1	25.00	24.43	pg MeHg	98%	67-133
1400248-CCB3		0.24	pg MeHg		
1400248-CCB4		0.28	pg MeHg		
1400248-CCB5		0.10	pg MeHg		
1400248-CCV2	25.00	23.60	pg MeHg	94%	67-133
1400248-CCB6		0.13	pg MeHg		
1400248-CCV3	25.00	23.84	pg MeHg	95%	67-133
1400248-CCB7		0.08	pg MeHg		
1400248-CCV4	25.00	24.47	pg MeHg	98%	67-133
1400248-CCB8		0.10	pg MeHg		
1400248-CCV5	25.00	25.77	pg MeHg	103%	67-133
1400248-CCB9		0.07	pg MeHg		
1400248-CCV6	25.00	23.76	pg MeHg	95%	67-133
1400248-CCBA		0.12	pg MeHg		
1400248-CCV7	25.00	24.19	pg MeHg	97%	67-133
1400248-CCBB		0.09	pg MeHg		
1400248-CCV8	25.00	27.71	pg MeHg	111%	67-133
1400248-CCBC		0.28	pg MeHg		
1400248-CCV9	25.00	28.88	pg MeHg	116%	67-133
1400248-CCBD		0.20	pg MeHg		
1400248-CCVA	25.00	27.40	pg MeHg	110%	67-133
1400248-CCBE		0.05	pg MeHg		
1400248-CCVB	25.00	28.01	pg MeHg	112%	67-133
1400248-CCBF		0.09	pg MeHg		
1400248-CCVC	25.00	28.73	pg MeHg	115%	67-133
1400248-CCBG		0.36	pg MeHg		
1400248-CCVD	25.00	28.40	pg MeHg	114%	67-133
1400248-CCBH		0.40	pg MeHg		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400248
Instrument: MMHG-09
Date: 03/27/2014
Analyte: MeHg

Total Mercury and Mercury Speciation by CVAFS
Method: EPA 1630

Lab ID	True Value	Result	Units	REC & Limits	
1400248-CCVE	25.00	28.10	pg MeHg	112%	67-133
1400248-CCBI		0.10	pg MeHg		
1400248-CCVF	25.00	26.52	pg MeHg	106%	67-133
1400248-CCBJ		0.36	pg MeHg		
1400248-CCVG	25.00	27.57	pg MeHg	110%	67-133
1400248-CCBK		0.15	pg MeHg		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400254
Instrument: HGAAS-2
Date: 03/27/2014
Analyte: As(Inorg)

Total Arsenic and Arsenic Speciation by HG-CT-AAS
Method: EPA 1632

Lab ID	True Value	Result	Units	REC & Limits	
1400254-IBL1		0.162	ng As		
1400254-IBL2		0.123	ng As		
1400254-IBL3		0.089	ng As		
1400254-CAL1	0.5000	0.596	ng As	119%	
1400254-CAL2	2.000	2.166	ng As	108%	
1400254-CAL3	10.00	10.14	ng As	101%	
1400254-CAL4	20.00	18.56	ng As	93%	
1400254-CAL5	30.00	25.56	ng As	85%	
1400254-ICV1	5.015	5.388	ng As	107%	80-120
1400254-CCV1	5.000	5.553	ng As	111%	80-120
1400254-CCB1		0.116	ng As		
1400254-CCV2	5.000	5.604	ng As	112%	80-120
1400254-CCB2		0.153	ng As		
1400254-CCV3	5.000	5.453	ng As	109%	80-120
1400254-CCB3		0.136	ng As		
1400254-CCV4	5.000	5.384	ng As	108%	80-120
1400254-CCB4		0.133	ng As		
1400254-CCV5	5.000	5.457	ng As	109%	80-120
1400254-CCB5		0.094	ng As		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400255
Instrument: THG-11
Date: 03/29/2014
Analyte: Hg

Total Mercury and Mercury Speciation by CVAFS
Method: EPA 1631 Appendix

Lab ID	True Value	Result	Units	REC & Limits	
1400255-IBL1		0.99	pg of Hg		
1400255-IBL2		1.58	pg of Hg		
1400255-IBL3		3.09	pg of Hg		
1400255-IBL4		2.98	pg of Hg		
1400255-CAL1	10.00	10.74	pg of Hg	107%	
1400255-CAL2	25.00	22.48	pg of Hg	90%	
1400255-CAL3	100.0	107.8	pg of Hg	108%	
1400255-CAL4	500.0	464.1	pg of Hg	93%	
1400255-CAL5	2500	2696	pg of Hg	108%	
1400255-CAL6	10000	9765	pg of Hg	98%	
1400255-ICV1	1568	1773	pg of Hg	113%	85-115
1400255-CCB1		5.37	pg of Hg		
1400255-CCV1	500.0	563.5	pg of Hg	113%	77-123
1400255-CCB2		3.56	pg of Hg		
1400255-CCB3		3.54	pg of Hg		
1400255-CCB4		3.45	pg of Hg		
1400255-CCV2	500.0	564.7	pg of Hg	113%	77-123
1400255-CCB5		45.8	pg of Hg		
1400255-CCV3	500.0	575.6	pg of Hg	115%	77-123
1400255-CCB6		17.7	pg of Hg		
1400255-CCV4	500.0	575.0	pg of Hg	115%	77-123
1400255-CCB7		3.23	pg of Hg		
1400255-CCV5	500.0	593.0	pg of Hg	119%	77-123
1400255-CCB8		2.86	pg of Hg		
1400255-CCV6	500.0	574.9	pg of Hg	115%	77-123
1400255-CCB9		4.31	pg of Hg		
1400255-CCV7	500.0	566.5	pg of Hg	113%	77-123
1400255-CCBA		2.81	pg of Hg		
1400255-CCV8	500.0	528.4	pg of Hg	106%	77-123
1400255-CCBB		2.48	pg of Hg		
1400255-CCV9	500.0	608.3	pg of Hg	122%	77-123
1400255-CCBC		3.80	pg of Hg		
1400255-CCVA	500.0	587.9	pg of Hg	118%	77-123
1400255-CCBD		2.51	pg of Hg		
1400255-CCVB	500.0	586.1	pg of Hg	117%	77-123
1400255-CCBE		2.72	pg of Hg		
1400255-CCVC	500.0	596.4	pg of Hg	119%	77-123
1400255-CCBF		2.56	pg of Hg		
1400255-CCVD	500.0	544.5	pg of Hg	109%	77-123
1400255-CCBG		2.22	pg of Hg		
1400255-CCVE	500.0	452.4	pg of Hg	90%	77-123

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400255
Instrument: THG-11
Date: 03/29/2014
Analyte: Hg

Total Mercury and Mercury Speciation by CVAFS
Method: EPA 1631 Appendix

Lab ID	True Value	Result	Units	REC & Limits	
1400255-CCBH		2.69	pg of Hg		
1400255-CCVF	500.0	522.9	pg of Hg	105%	77-123
1400255-CCBI		2.67	pg of Hg		
1400255-CCVG	500.0	571.8	pg of Hg	114%	77-123
1400255-CCBJ		2.41	pg of Hg		
1400255-CCVH	500.0	554.6	pg of Hg	111%	77-123
1400255-CCBK		2.56	pg of Hg		
1400255-CCVI	500.0	586.0	pg of Hg	117%	77-123
1400255-CCBL		4.13	pg of Hg		
1400255-CCVJ	500.0	574.3	pg of Hg	115%	77-123
1400255-CCBM		6.04	pg of Hg		
1400255-CCVK	500.0	546.8	pg of Hg	109%	77-123
1400255-CCBN		4.38	pg of Hg		
1400255-CCVL	500.0	603.6	pg of Hg	121%	77-123
1400255-CCBO		3.07	pg of Hg		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400259
Instrument: HGAAS-2
Date: 03/28/2014
Analyte: As(III)

Total Arsenic and Arsenic Speciation by HG-CT-AAS
Method: EPA 1632

Lab ID	True Value	Result	Units	REC & Limits	
1400259-IBL1		0.105	µg/L		
1400259-IBL2		0.058	µg/L		
1400259-IBL3		0.052	µg/L		
1400259-CAL1	0.5000	0.439	µg/L	88%	
1400259-CAL2	2.000	2.297	µg/L	115%	
1400259-CAL3	10.00	11.09	µg/L	111%	
1400259-CAL4	20.00	20.16	µg/L	101%	
1400259-CAL5	30.00	27.38	µg/L	91%	
1400259-ICV1	5.015	5.600	µg/L	112%	80-120
1400259-CCV1	5.000	5.634	µg/L	113%	80-120
1400259-CCB1		0.00	µg/L		
1400259-CCV2	5.000	5.316	µg/L	106%	80-120
1400259-CCB2		0.00	µg/L		
1400259-CCV3	5.000	5.604	µg/L	112%	80-120
1400259-CCB3		0.00	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400260
Instrument: ICP-MS-2
Date: 03/28/2014
Analyte: V

Trace Metals by ICP-DRC-MS
Method: EPA 200.8 DRC

Lab ID	True Value	Result	Units	REC & Limits	
1400260-ICB1		0.000	µg/L		
1400260-CAL1	0.03000	0.030	µg/L	101%	
1400260-CAL2	0.1500	0.149	µg/L	99%	
1400260-CAL3	0.3000	0.270	µg/L	90%	
1400260-CAL4	1.500	1.364	µg/L	91%	
1400260-CAL5	5.000	4.744	µg/L	95%	
1400260-CAL6	10.00	9.795	µg/L	98%	
1400260-CAL7	20.00	22.04	µg/L	110%	
1400260-CAL8	50.00	57.72	µg/L	115%	
1400260-ICB2		0.016	µg/L		
1400260-ICV1	5.000	4.742	µg/L	95%	90-110
1400260-ICB3		0.007	µg/L		
1400260-IBL1		0.006	µg/L		
1400260-IBL2		0.006	µg/L		
1400260-IBL3		0.006	µg/L		
1400260-IBL4		0.006	µg/L		
1400260-SCV1	37.86	34.91	µg/L	92%	75-125
1400260-SCV2	20.00	20.33	µg/L	102%	75-125
1400260-CCV1	1.500	1.354	µg/L	90%	90-110
1400260-CCB1		0.006	µg/L		
1400260-CCV2	1.500	1.388	µg/L	93%	90-110
1400260-CCB2		0.006	µg/L		
1400260-CCV3	1.500	1.459	µg/L	97%	90-110
1400260-CCB3		0.011	µg/L		
1400260-CCV4	1.500	1.364	µg/L	91%	90-110
1400260-CCB4		0.008	µg/L		
1400260-CCV5	1.500	1.360	µg/L	91%	90-110
1400260-CCB5		0.007	µg/L		
1400260-CCV6	1.500	1.441	µg/L	96%	90-110
1400260-CCB6		0.007	µg/L		
1400260-CCV7	1.500	1.409	µg/L	94%	90-110
1400260-CCB7		0.007	µg/L		
1400260-CCV8	1.500	1.364	µg/L	91%	90-110
1400260-CCB8		0.006	µg/L		
1400260-CCV9	5.000	4.695	µg/L	94%	90-110
1400260-CCB9		0.007	µg/L		
1400260-CCVA	5.000	4.700	µg/L	94%	90-110
1400260-CCBA		0.008	µg/L		
1400260-CCVB	5.000	4.744	µg/L	95%	90-110
1400260-CCBB		0.008	µg/L		
1400260-CCVC	5.000	4.623	µg/L	92%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400260
Instrument: ICP-MS-2
Date: 03/28/2014
Analyte: V

Trace Metals by ICP-DRC-MS
Method: EPA 200.8 DRC

Lab ID	True Value	Result	Units	REC & Limits	
1400260-CCBC		0.008	µg/L		
1400260-CCVD	5.000	4.753	µg/L	95%	90-110
1400260-CCBD		0.010	µg/L		
1400260-CCVE	5.000	4.749	µg/L	95%	90-110
1400260-CCBE		0.008	µg/L		
1400260-CCVF	5.000	4.725	µg/L	95%	90-110
1400260-CCBF		0.008	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400262
Instrument: HGAAS-2
Date: 03/29/2014
Analyte: DMAs

Total Arsenic and Arsenic Speciation by HG-CT-AAS
Method: EPA 1632

Lab ID	True Value	Result	Units	REC & Limits	
1400262-IBL1		0.000	ng As		
1400262-IBL2		0.000	ng As		
1400262-IBL3		0.000	ng As		
1400262-CAL1	0.5000	0.447	ng As	89%	
1400262-CAL2	1.000	0.949	ng As	95%	
1400262-CAL3	2.000	1.956	ng As	98%	
1400262-CAL4	10.00	11.40	ng As	114%	
1400262-CAL5	20.00	20.55	ng As	103%	
1400262-CAL6	30.00	31.45	ng As	105%	
1400262-ICV2	5.000	4.525	ng As	91%	70-130
1400262-CCV1	5.000	4.997	ng As	100%	70-130
1400262-CCB1		0.00	ng As		
1400262-CCV2	5.000	5.528	ng As	111%	70-130
1400262-CCB2		0.00	ng As		
1400262-CCV3	5.000	5.351	ng As	107%	70-130
1400262-CCB3		0.00	ng As		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400263
Instrument: HGAAS-2
Date: 03/29/2014
Analyte: MMAs

Total Arsenic and Arsenic Speciation by HG-CT-AAS
Method: EPA 1632

Lab ID	True Value	Result	Units	REC & Limits	
1400263-IBL1		0.000	ng As		
1400263-IBL2		0.000	ng As		
1400263-IBL3		0.000	ng As		
1400263-CAL1	0.5000	0.485	ng As	97%	
1400263-CAL2	1.000	1.072	ng As	107%	
1400263-CAL3	2.000	2.048	ng As	102%	
1400263-CAL4	10.00	10.20	ng As	102%	
1400263-CAL5	20.00	19.46	ng As	97%	
1400263-CAL6	30.00	28.54	ng As	95%	
1400263-ICV1	5.000	5.872	ng As	117%	80-120
1400263-CCV1	5.000	5.284	ng As	106%	80-120
1400263-CCB1		0.00	ng As		
1400263-CCV2	5.000	5.297	ng As	106%	80-120
1400263-CCB2		0.00	ng As		
1400263-CCV3	5.000	5.358	ng As	107%	80-120
1400263-CCB3		0.00	ng As		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400274
Instrument: ICP-MS-2
Date: 04/01/2014
Analyte: Cr 52

Trace Metals by ICP-DRC-MS
Method: EPA 200.8 DRC

Lab ID	True Value	Result	Units	REC & Limits	
1400274-ICB1		0.000	µg/L		
1400274-CAL2	0.1502	0.153	µg/L	102%	
1400274-CAL3	0.3004	0.290	µg/L	97%	
1400274-CAL4	1.502	1.495	µg/L	100%	
1400274-CAL5	12.51	12.60	µg/L	101%	
1400274-CAL6	25.02	25.15	µg/L	101%	
1400274-CAL7	125.1	120.5	µg/L	96%	
1400274-CAL8	250.2	247.1	µg/L	99%	
1400274-CAL9	500.4	526.6	µg/L	105%	
1400274-ICB2		0.204	µg/L		
1400274-ICV1	12.50	11.80	µg/L	94%	90-110
1400274-ICB3		0.011	µg/L		
1400274-IBL1		0.013	µg/L		
1400274-IBL2		0.012	µg/L		
1400274-IBL3		0.013	µg/L		
1400274-IBL4		0.012	µg/L		
1400274-SCV1	40.54	36.83	µg/L	91%	75-125
1400274-SCV2	50.00	42.95	µg/L	86%	75-125
1400274-CCV1	12.51	12.97	µg/L	104%	90-110
1400274-CCB1		0.016	µg/L		
1400274-CCV2	12.51	12.77	µg/L	102%	90-110
1400274-CCB2		0.019	µg/L		
1400274-CCV3	12.51	12.57	µg/L	100%	90-110
1400274-CCB3		0.020	µg/L		
1400274-CCV4	12.51	12.43	µg/L	99%	90-110
1400274-CCB4		0.012	µg/L		
1400274-CCV5	12.51	12.58	µg/L	101%	90-110
1400274-CCB5		0.015	µg/L		
1400274-CCV6	12.51	12.32	µg/L	98%	90-110
1400274-CCB6		0.013	µg/L		
1400274-CCV7	12.51	11.47	µg/L	92%	90-110
1400274-CCB7		0.014	µg/L		
1400274-CCV8	12.51	11.74	µg/L	94%	90-110
1400274-CCB8		0.017	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400274
Instrument: ICP-MS-2
Date: 04/01/2014
Analyte: Fe 56

Trace Metals by ICP-DRC-MS
Method: EPA 200.8 DRC

Lab ID	True Value	Result	Units	REC & Limits	
1400274-ICB1		0.00	µg/L		
1400274-CAL2	5.020	5.12	µg/L	102%	
1400274-CAL3	10.04	9.69	µg/L	97%	
1400274-CAL4	50.20	45.77	µg/L	91%	
1400274-CAL5	251.0	245.0	µg/L	98%	
1400274-CAL6	502.0	496.1	µg/L	99%	
1400274-CAL7	2510	2502	µg/L	100%	
1400274-CAL8	5020	5258	µg/L	105%	
1400274-CAL9	10040	10670	µg/L	106%	
1400274-ICB2		6.10	µg/L		
1400274-ICV1	250.0	230.3	µg/L	92%	90-110
1400274-ICB3		0.87	µg/L		
1400274-IBL1		0.91	µg/L		
1400274-IBL2		0.78	µg/L		
1400274-IBL3		0.76	µg/L		
1400274-IBL4		0.74	µg/L		
1400274-SCV1	36.80	36.43	µg/L	99%	75-125
1400274-SCV2	1000	869.9	µg/L	87%	75-125
1400274-CCV1	251.0	250.4	µg/L	100%	90-110
1400274-CCB1		0.97	µg/L		
1400274-CCV2	251.0	250.4	µg/L	100%	90-110
1400274-CCB2		0.92	µg/L		
1400274-CCV3	251.0	245.1	µg/L	98%	90-110
1400274-CCB3		0.90	µg/L		
1400274-CCV4	251.0	244.8	µg/L	98%	90-110
1400274-CCB4		1.06	µg/L		
1400274-CCV5	251.0	246.8	µg/L	98%	90-110
1400274-CCB5		1.09	µg/L		
1400274-CCV6	251.0	240.6	µg/L	96%	90-110
1400274-CCB6		0.84	µg/L		
1400274-CCV7	251.0	228.1	µg/L	91%	90-110
1400274-CCB7		0.83	µg/L		
1400274-CCV8	251.0	235.2	µg/L	94%	90-110
1400274-CCB8		1.59	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400285
Instrument: ICP-MS-3
Date: 04/03/2014
Analyte: Al

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400285-ICB1		0.00	µg/L		
1400285-CAL1	1.500	1.57	µg/L	105%	
1400285-CAL2	3.000	2.73	µg/L	91%	
1400285-CAL3	15.00	14.77	µg/L	98%	
1400285-CAL4	30.00	29.66	µg/L	99%	
1400285-CAL5	500.0	507.9	µg/L	102%	
1400285-CAL6	1000	1036	µg/L	104%	
1400285-CAL7	5000	4967	µg/L	99%	
1400285-CAL8	10000	10240	µg/L	102%	
1400285-ICB2		-0.28	µg/L		
1400285-ICV1	50.00	48.03	µg/L	96%	90-110
1400285-ICB3		-0.41	µg/L		
1400285-IBL1		-0.41	µg/L		
1400285-IBL2		-0.41	µg/L		
1400285-IBL3		-0.40	µg/L		
1400285-IBL4		-0.40	µg/L		
1400285-SCV1	53.00	51.37	µg/L	97%	75-125
1400285-SCV2	53.00	50.63	µg/L	96%	75-125
1400285-SCV3	53.00	51.01	µg/L	96%	75-125
1400285-SCV5	200.0	201.8	µg/L	101%	75-125
1400285-CCV1	30.00	29.31	µg/L	98%	90-110
1400285-CCB1		-0.41	µg/L		
1400285-CCV2	30.00	30.67	µg/L	102%	90-110
1400285-CCB2		-0.41	µg/L		
1400285-CCV3	30.00	30.25	µg/L	101%	90-110
1400285-CCB3		-0.41	µg/L		
1400285-CCV4	30.00	29.95	µg/L	100%	90-110
1400285-CCB4		-0.41	µg/L		
1400285-CCV5	30.00	29.84	µg/L	99%	90-110
1400285-CCB5		-0.41	µg/L		
1400285-CCV6	30.00	28.95	µg/L	96%	90-110
1400285-CCB6		-0.40	µg/L		
1400285-CCV7	30.00	29.65	µg/L	99%	90-110
1400285-CCB7		-0.41	µg/L		
1400285-CCV8	30.00	28.92	µg/L	96%	90-110
1400285-CCB8		-0.41	µg/L		
1400285-CCV9	30.00	28.87	µg/L	96%	90-110
1400285-CCB9		-0.41	µg/L		
1400285-CCVA	30.00	28.67	µg/L	96%	90-110
1400285-CCBA		-0.40	µg/L		
1400285-CCVB	30.00	29.90	µg/L	100%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400285
Instrument: ICP-MS-3
Date: 04/03/2014
Analyte: Al

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400285-CCBB		-0.40	µg/L		
1400285-CCVC	30.00	29.63	µg/L	99%	90-110
1400285-CCBC		-0.40	µg/L		
1400285-CCVD	30.00	30.89	µg/L	103%	90-110
1400285-CCBD		-0.40	µg/L		
1400285-CCVE	30.00	30.36	µg/L	101%	90-110
1400285-CCBE		-0.40	µg/L		
1400285-CCVF	30.00	30.43	µg/L	101%	90-110
1400285-CCBF		-0.40	µg/L		
1400285-CCVG	30.00	29.92	µg/L	100%	90-110
1400285-CCBG		-0.40	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400285
Instrument: ICP-MS-3
Date: 04/03/2014
Analyte: Ba

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400285-ICB1		0.00	µg/L		
1400285-CAL1	0.05000	0.05	µg/L	100%	
1400285-CAL2	0.1000	0.10	µg/L	101%	
1400285-CAL3	0.5000	0.49	µg/L	99%	
1400285-CAL4	1.000	0.98	µg/L	98%	
1400285-CAL5	25.00	24.83	µg/L	99%	
1400285-CAL6	50.00	49.99	µg/L	100%	
1400285-CAL7	250.0	249.4	µg/L	100%	
1400285-CAL8	500.0	515.2	µg/L	103%	
1400285-ICB2		0.02	µg/L		
1400285-ICV1	2.500	2.42	µg/L	97%	90-110
1400285-ICB3		0.00005	µg/L		
1400285-IBL1		-0.00006	µg/L		
1400285-IBL2		-0.00008	µg/L		
1400285-IBL3		-0.0003	µg/L		
1400285-IBL4		0.00008	µg/L		
1400285-SCV1	151.8	141.4	µg/L	93%	75-125
1400285-SCV2	151.8	143.6	µg/L	95%	75-125
1400285-SCV3	151.8	142.8	µg/L	94%	75-125
1400285-SCV5	10.00	9.37	µg/L	94%	75-125
1400285-CCV1	1.000	0.98	µg/L	98%	90-110
1400285-CCB1		0.0002	µg/L		
1400285-CCV2	1.000	0.98	µg/L	98%	90-110
1400285-CCB2		0.0002	µg/L		
1400285-CCV3	1.000	1.04	µg/L	104%	90-110
1400285-CCB3		0.0005	µg/L		
1400285-CCV4	1.000	1.05	µg/L	105%	90-110
1400285-CCB4		0.00009	µg/L		
1400285-CCV5	1.000	1.06	µg/L	106%	90-110
1400285-CCB5		0.0004	µg/L		
1400285-CCV6	1.000	1.08	µg/L	108%	90-110
1400285-CCB6		0.0003	µg/L		
1400285-CCV7	1.000	1.07	µg/L	107%	90-110
1400285-CCB7		0.0006	µg/L		
1400285-CCV8	1.000	1.07	µg/L	107%	90-110
1400285-CCB8		0.0004	µg/L		
1400285-CCV9	1.000	1.06	µg/L	106%	90-110
1400285-CCB9		0.0004	µg/L		
1400285-CCVA	1.000	1.07	µg/L	107%	90-110
1400285-CCBA		0.0005	µg/L		
1400285-CCVB	1.000	1.09	µg/L	109%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400285
Instrument: ICP-MS-3
Date: 04/03/2014
Analyte: Ba

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400285-CCBB		0.0003	µg/L		
1400285-CCVC	1.000	1.07	µg/L	107%	90-110
1400285-CCBC		0.0005	µg/L		
1400285-CCVD	1.000	1.10	µg/L	110%	90-110
1400285-CCBD		0.0004	µg/L		
1400285-CCVE	1.000	1.09	µg/L	109%	90-110
1400285-CCBE		0.0004	µg/L		
1400285-CCVF	1.000	1.07	µg/L	107%	90-110
1400285-CCBF		0.0005	µg/L		
1400285-CCVG	1.000	1.08	µg/L	108%	90-110
1400285-CCBG		0.0006	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400285
Instrument: ICP-MS-3
Date: 04/03/2014
Analyte: Cd 114

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400285-ICB1		0.000	µg/L		
1400285-CAL1	0.02000	0.020	µg/L	101%	
1400285-CAL2	0.04000	0.040	µg/L	99%	
1400285-CAL3	0.2000	0.194	µg/L	97%	
1400285-CAL4	0.4000	0.398	µg/L	99%	
1400285-CAL5	1.000	1.015	µg/L	102%	
1400285-CAL6	2.000	2.043	µg/L	102%	
1400285-CAL7	10.00	9.925	µg/L	99%	
1400285-CAL8	20.00	20.16	µg/L	101%	
1400285-ICB2		0.001	µg/L		
1400285-ICV1	0.5000	0.485	µg/L	97%	90-110
1400285-ICB3		0.0003	µg/L		
1400285-IBL1		-0.0005	µg/L		
1400285-IBL2		0.0008	µg/L		
1400285-IBL3		0.0001	µg/L		
1400285-IBL4		0.00002	µg/L		
1400285-SCV1	3.992	3.877	µg/L	97%	75-125
1400285-SCV2	3.992	3.937	µg/L	99%	75-125
1400285-SCV3	3.992	3.955	µg/L	99%	75-125
1400285-SCV5	2.000	1.917	µg/L	96%	75-125
1400285-CCV1	0.4000	0.401	µg/L	100%	90-110
1400285-CCB1		-0.00005	µg/L		
1400285-CCV2	0.4000	0.398	µg/L	100%	90-110
1400285-CCB2		-0.0002	µg/L		
1400285-CCV3	0.4000	0.403	µg/L	101%	90-110
1400285-CCB3		-0.0004	µg/L		
1400285-CCV4	0.4000	0.394	µg/L	98%	90-110
1400285-CCB4		-0.0007	µg/L		
1400285-CCV5	0.4000	0.408	µg/L	102%	90-110
1400285-CCB5		-0.0006	µg/L		
1400285-CCV6	0.4000	0.399	µg/L	100%	90-110
1400285-CCB6		-0.0009	µg/L		
1400285-CCV7	0.4000	0.401	µg/L	100%	90-110
1400285-CCB7		-0.0004	µg/L		
1400285-CCV8	0.4000	0.402	µg/L	100%	90-110
1400285-CCB8		0.00001	µg/L		
1400285-CCV9	0.4000	0.403	µg/L	101%	90-110
1400285-CCB9		0.0002	µg/L		
1400285-CCVA	0.4000	0.409	µg/L	102%	90-110
1400285-CCBA		0.0002	µg/L		
1400285-CCVB	0.4000	0.400	µg/L	100%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400285
Instrument: ICP-MS-3
Date: 04/03/2014
Analyte: Cd 114

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400285-CCBB		-0.0002	µg/L		
1400285-CCVC	0.4000	0.397	µg/L	99%	90-110
1400285-CCBC		-0.0008	µg/L		
1400285-CCVD	0.4000	0.405	µg/L	101%	90-110
1400285-CCBD		-0.0003	µg/L		
1400285-CCVE	0.4000	0.409	µg/L	102%	90-110
1400285-CCBE		-0.00003	µg/L		
1400285-CCVF	0.4000	0.406	µg/L	101%	90-110
1400285-CCBF		-0.0004	µg/L		
1400285-CCVG	0.4000	0.399	µg/L	100%	90-110
1400285-CCBG		0.00	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400285
Instrument: ICP-MS-3
Date: 04/03/2014
Analyte: Cu 63

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400285-ICB1		0.00	µg/L		
1400285-CAL1	0.1200	0.12	µg/L	98%	
1400285-CAL2	0.2400	0.25	µg/L	103%	
1400285-CAL3	1.200	1.22	µg/L	102%	
1400285-CAL4	2.400	2.43	µg/L	101%	
1400285-CAL5	10.00	10.18	µg/L	102%	
1400285-CAL6	20.00	20.54	µg/L	103%	
1400285-CAL7	100.0	97.70	µg/L	98%	
1400285-CAL8	200.0	187.1	µg/L	94%	
1400285-ICB2		-0.001	µg/L		
1400285-ICV1	5.000	4.93	µg/L	99%	90-110
1400285-ICB3		-0.01	µg/L		
1400285-IBL1		-0.01	µg/L		
1400285-IBL2		-0.01	µg/L		
1400285-IBL3		-0.01	µg/L		
1400285-IBL4		-0.01	µg/L		
1400285-SCV1	85.75	84.18	µg/L	98%	75-125
1400285-SCV2	85.75	84.72	µg/L	99%	75-125
1400285-SCV3	85.75	86.10	µg/L	100%	75-125
1400285-SCV5	20.00	19.19	µg/L	96%	75-125
1400285-CCV1	2.400	2.35	µg/L	98%	90-110
1400285-CCB1		-0.01	µg/L		
1400285-CCV2	2.400	2.39	µg/L	100%	90-110
1400285-CCB2		-0.01	µg/L		
1400285-CCV3	2.400	2.36	µg/L	98%	90-110
1400285-CCB3		-0.01	µg/L		
1400285-CCV4	2.400	2.35	µg/L	98%	90-110
1400285-CCB4		-0.01	µg/L		
1400285-CCV5	2.400	2.33	µg/L	97%	90-110
1400285-CCB5		-0.01	µg/L		
1400285-CCV6	2.400	2.35	µg/L	98%	90-110
1400285-CCB6		-0.01	µg/L		
1400285-CCV7	2.400	2.32	µg/L	97%	90-110
1400285-CCB7		-0.01	µg/L		
1400285-CCV8	2.400	2.30	µg/L	96%	90-110
1400285-CCB8		-0.01	µg/L		
1400285-CCV9	2.400	2.35	µg/L	98%	90-110
1400285-CCB9		-0.01	µg/L		
1400285-CCVA	2.400	2.36	µg/L	98%	90-110
1400285-CCBA		-0.008	µg/L		
1400285-CCVB	2.400	2.31	µg/L	96%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400285
Instrument: ICP-MS-3
Date: 04/03/2014
Analyte: Cu 63

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400285-CCBB		-0.01	µg/L		
1400285-CCVC	2.400	2.34	µg/L	98%	90-110
1400285-CCBC		-0.009	µg/L		
1400285-CCVD	2.400	2.27	µg/L	95%	90-110
1400285-CCBD		-0.008	µg/L		
1400285-CCVE	2.400	2.31	µg/L	96%	90-110
1400285-CCBE		-0.007	µg/L		
1400285-CCVF	2.400	2.35	µg/L	98%	90-110
1400285-CCBF		-0.009	µg/L		
1400285-CCVG	2.400	2.30	µg/L	96%	90-110
1400285-CCBG		-0.01	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400285
Instrument: ICP-MS-3
Date: 04/03/2014
Analyte: Mn

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400285-ICB1		0.000	µg/L		
1400285-CAL1	0.06000	0.059	µg/L	99%	
1400285-CAL2	0.1200	0.122	µg/L	102%	
1400285-CAL3	0.6000	0.616	µg/L	103%	
1400285-CAL4	1.200	1.197	µg/L	100%	
1400285-CAL5	25.00	25.84	µg/L	103%	
1400285-CAL6	50.00	51.66	µg/L	103%	
1400285-CAL7	250.0	239.7	µg/L	96%	
1400285-CAL8	500.0	471.2	µg/L	94%	
1400285-ICB2		-0.001	µg/L		
1400285-ICV1	2.500	2.468	µg/L	99%	90-110
1400285-ICB3		-0.012	µg/L		
1400285-IBL1		-0.009	µg/L		
1400285-IBL2		-0.010	µg/L		
1400285-IBL3		-0.013	µg/L		
1400285-IBL4		-0.013	µg/L		
1400285-SCV1	40.39	39.19	µg/L	97%	75-125
1400285-SCV2	40.39	39.00	µg/L	97%	75-125
1400285-SCV3	40.39	38.56	µg/L	95%	75-125
1400285-SCV5	10.00	9.750	µg/L	97%	75-125
1400285-CCV1	1.200	1.197	µg/L	100%	90-110
1400285-CCB1		0.002	µg/L		
1400285-CCV2	1.200	1.202	µg/L	100%	90-110
1400285-CCB2		-0.009	µg/L		
1400285-CCV3	1.200	1.112	µg/L	93%	90-110
1400285-CCB3		-0.018	µg/L		
1400285-CCV4	1.200	1.110	µg/L	93%	90-110
1400285-CCB4		-0.017	µg/L		
1400285-CCV5	1.200	1.134	µg/L	95%	90-110
1400285-CCB5		-0.017	µg/L		
1400285-CCV6	1.200	1.114	µg/L	93%	90-110
1400285-CCB6		-0.021	µg/L		
1400285-CCV7	1.200	1.103	µg/L	92%	90-110
1400285-CCB7		-0.023	µg/L		
1400285-CCV8	1.200	1.119	µg/L	93%	90-110
1400285-CCB8		-0.019	µg/L		
1400285-CCV9	1.200	1.133	µg/L	94%	90-110
1400285-CCB9		-0.019	µg/L		
1400285-CCVA	1.200	1.134	µg/L	95%	90-110
1400285-CCBA		-0.014	µg/L		
1400285-CCVB	1.200	1.102	µg/L	92%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400285
Instrument: ICP-MS-3
Date: 04/03/2014
Analyte: Mn

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400285-CCBB		-0.011	µg/L		
1400285-CCVC	1.200	1.093	µg/L	91%	90-110
1400285-CCBC		-0.013	µg/L		
1400285-CCVD	1.200	1.129	µg/L	94%	90-110
1400285-CCBD		-0.014	µg/L		
1400285-CCVE	1.200	1.128	µg/L	94%	90-110
1400285-CCBE		-0.020	µg/L		
1400285-CCVF	1.200	1.113	µg/L	93%	90-110
1400285-CCBF		-0.016	µg/L		
1400285-CCVG	1.200	1.139	µg/L	95%	90-110
1400285-CCBG		-0.019	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400285
Instrument: ICP-MS-3
Date: 04/03/2014
Analyte: Pb

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400285-ICB1		0.00	µg/L		
1400285-CAL1	0.02498	0.02	µg/L	98%	
1400285-CAL2	0.04996	0.05	µg/L	105%	
1400285-CAL3	0.2498	0.25	µg/L	101%	
1400285-CAL4	0.4996	0.51	µg/L	102%	
1400285-CAL5	2.498	2.61	µg/L	104%	
1400285-CAL6	4.996	5.18	µg/L	104%	
1400285-CAL7	24.98	23.88	µg/L	96%	
1400285-CAL8	49.96	46.03	µg/L	92%	
1400285-ICB2		0.0004	µg/L		
1400285-ICV1	2.500	2.49	µg/L	100%	90-110
1400285-ICB3		-0.0009	µg/L		
1400285-IBL1		-0.001	µg/L		
1400285-IBL2		-0.0009	µg/L		
1400285-IBL3		-0.0008	µg/L		
1400285-IBL4		-0.0009	µg/L		
1400285-SCV1	12.10	12.13	µg/L	100%	75-125
1400285-SCV2	12.10	12.36	µg/L	102%	75-125
1400285-SCV3	12.10	12.32	µg/L	102%	75-125
1400285-SCV5	10.00	9.86	µg/L	99%	75-125
1400285-CCV1	0.4996	0.52	µg/L	104%	90-110
1400285-CCB1		-0.001	µg/L		
1400285-CCV2	0.4996	0.53	µg/L	106%	90-110
1400285-CCB2		-0.0008	µg/L		
1400285-CCV3	0.4996	0.49	µg/L	97%	90-110
1400285-CCB3		-0.001	µg/L		
1400285-CCV4	0.4996	0.49	µg/L	99%	90-110
1400285-CCB4		-0.0009	µg/L		
1400285-CCV5	0.4996	0.49	µg/L	98%	90-110
1400285-CCB5		-0.001	µg/L		
1400285-CCV6	0.4996	0.48	µg/L	96%	90-110
1400285-CCB6		-0.001	µg/L		
1400285-CCV7	0.4996	0.47	µg/L	95%	90-110
1400285-CCB7		-0.0009	µg/L		
1400285-CCV8	0.4996	0.47	µg/L	94%	90-110
1400285-CCB8		-0.001	µg/L		
1400285-CCV9	0.4996	0.49	µg/L	98%	90-110
1400285-CCB9		-0.001	µg/L		
1400285-CCVA	0.4996	0.48	µg/L	97%	90-110
1400285-CCBA		-0.0009	µg/L		
1400285-CCVB	0.4996	0.48	µg/L	96%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400285
Instrument: ICP-MS-3
Date: 04/03/2014
Analyte: Pb

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400285-CCBB		-0.001	µg/L		
1400285-CCVC	0.4996	0.48	µg/L	96%	90-110
1400285-CCBC		-0.001	µg/L		
1400285-CCVD	0.4996	0.48	µg/L	95%	90-110
1400285-CCBD		-0.001	µg/L		
1400285-CCVE	0.4996	0.49	µg/L	98%	90-110
1400285-CCBE		-0.001	µg/L		
1400285-CCVF	0.4996	0.48	µg/L	96%	90-110
1400285-CCBF		-0.001	µg/L		
1400285-CCVG	0.4996	0.49	µg/L	98%	90-110
1400285-CCBG		-0.001	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400285
Instrument: ICP-MS-3
Date: 04/03/2014
Analyte: Sb

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400285-ICB1		0.000	µg/L		
1400285-CAL1	0.02000	0.020	µg/L	101%	
1400285-CAL2	0.04000	0.039	µg/L	99%	
1400285-CAL3	0.2000	0.194	µg/L	97%	
1400285-CAL4	0.4000	0.392	µg/L	98%	
1400285-CAL5	1.000	1.021	µg/L	102%	
1400285-CAL6	2.000	2.039	µg/L	102%	
1400285-CAL7	10.00	9.991	µg/L	100%	
1400285-CAL8	20.00	20.32	µg/L	102%	
1400285-ICB2		0.009	µg/L		
1400285-ICV1	1.000	0.981	µg/L	98%	90-110
1400285-ICB3		0.0007	µg/L		
1400285-IBL1		0.0002	µg/L		
1400285-IBL2		0.0002	µg/L		
1400285-IBL3		0.0002	µg/L		
1400285-IBL4		-0.0002	µg/L		
1400285-SCV1	5.105	4.949	µg/L	97%	75-125
1400285-SCV2	5.105	5.053	µg/L	99%	75-125
1400285-SCV3	5.105	5.056	µg/L	99%	75-125
1400285-SCV5	4.000	3.826	µg/L	96%	75-125
1400285-CCV1	0.4000	0.399	µg/L	100%	90-110
1400285-CCB1		0.0002	µg/L		
1400285-CCV2	0.4000	0.394	µg/L	99%	90-110
1400285-CCB2		-0.0002	µg/L		
1400285-CCV3	0.4000	0.393	µg/L	98%	90-110
1400285-CCB3		-0.0002	µg/L		
1400285-CCV4	0.4000	0.386	µg/L	97%	90-110
1400285-CCB4		-0.00007	µg/L		
1400285-CCV5	0.4000	0.401	µg/L	100%	90-110
1400285-CCB5		-0.0002	µg/L		
1400285-CCV6	0.4000	0.400	µg/L	100%	90-110
1400285-CCB6		-0.0001	µg/L		
1400285-CCV7	0.4000	0.398	µg/L	99%	90-110
1400285-CCB7		-0.0001	µg/L		
1400285-CCV8	0.4000	0.396	µg/L	99%	90-110
1400285-CCB8		-0.0005	µg/L		
1400285-CCV9	0.4000	0.400	µg/L	100%	90-110
1400285-CCB9		0.0002	µg/L		
1400285-CCVA	0.4000	0.409	µg/L	102%	90-110
1400285-CCBA		0.0001	µg/L		
1400285-CCVB	0.4000	0.398	µg/L	99%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400285
Instrument: ICP-MS-3
Date: 04/03/2014
Analyte: Sb

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400285-CCBB		-0.0003	µg/L		
1400285-CCVC	0.4000	0.407	µg/L	102%	90-110
1400285-CCBC		-0.00003	µg/L		
1400285-CCVD	0.4000	0.408	µg/L	102%	90-110
1400285-CCBD		-0.00002	µg/L		
1400285-CCVE	0.4000	0.414	µg/L	103%	90-110
1400285-CCBE		-0.0002	µg/L		
1400285-CCVF	0.4000	0.413	µg/L	103%	90-110
1400285-CCBF		-0.0002	µg/L		
1400285-CCVG	0.4000	0.398	µg/L	100%	90-110
1400285-CCBG		-0.0001	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400285
Instrument: ICP-MS-3
Date: 04/03/2014
Analyte: Tl

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400285-ICB1		0.00	µg/L		
1400285-CAL1	0.01000	0.01	µg/L	98%	
1400285-CAL2	0.02000	0.02	µg/L	103%	
1400285-CAL3	0.1000	0.10	µg/L	104%	
1400285-CAL4	0.2000	0.21	µg/L	103%	
1400285-CAL5	0.5000	0.51	µg/L	101%	
1400285-CAL6	1.000	1.02	µg/L	102%	
1400285-CAL7	5.000	4.81	µg/L	96%	
1400285-CAL8	10.00	9.26	µg/L	93%	
1400285-ICB2		0.009	µg/L		
1400285-ICV1	0.2500	0.25	µg/L	101%	90-110
1400285-ICB3		-0.0005	µg/L		
1400285-IBL1		-0.0006	µg/L		
1400285-IBL2		-0.0008	µg/L		
1400285-IBL3		-0.0006	µg/L		
1400285-IBL4		-0.0007	µg/L		
1400285-SCV1	1.619	1.63	µg/L	101%	75-125
1400285-SCV2	1.619	1.65	µg/L	102%	75-125
1400285-SCV3	1.619	1.67	µg/L	103%	75-125
1400285-SCV5	1.000	0.99	µg/L	99%	75-125
1400285-CCV1	0.2000	0.21	µg/L	105%	90-110
1400285-CCB1		-0.0007	µg/L		
1400285-CCV2	0.2000	0.21	µg/L	106%	90-110
1400285-CCB2		-0.0009	µg/L		
1400285-CCV3	0.2000	0.20	µg/L	99%	90-110
1400285-CCB3		-0.0008	µg/L		
1400285-CCV4	0.2000	0.20	µg/L	98%	90-110
1400285-CCB4		-0.0009	µg/L		
1400285-CCV5	0.2000	0.20	µg/L	98%	90-110
1400285-CCB5		-0.0009	µg/L		
1400285-CCV6	0.2000	0.20	µg/L	98%	90-110
1400285-CCB6		-0.0008	µg/L		
1400285-CCV7	0.2000	0.19	µg/L	95%	90-110
1400285-CCB7		-0.0009	µg/L		
1400285-CCV8	0.2000	0.19	µg/L	94%	90-110
1400285-CCB8		-0.0009	µg/L		
1400285-CCV9	0.2000	0.20	µg/L	98%	90-110
1400285-CCB9		-0.0009	µg/L		
1400285-CCVA	0.2000	0.19	µg/L	97%	90-110
1400285-CCBA		-0.0009	µg/L		
1400285-CCVB	0.2000	0.19	µg/L	97%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400285
Instrument: ICP-MS-3
Date: 04/03/2014
Analyte: Tl

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400285-CCBB		-0.0009	µg/L		
1400285-CCVC	0.2000	0.19	µg/L	96%	90-110
1400285-CCBC		-0.001	µg/L		
1400285-CCVD	0.2000	0.20	µg/L	98%	90-110
1400285-CCBD		-0.001	µg/L		
1400285-CCVE	0.2000	0.20	µg/L	98%	90-110
1400285-CCBE		-0.0009	µg/L		
1400285-CCVF	0.2000	0.19	µg/L	97%	90-110
1400285-CCBF		-0.0009	µg/L		
1400285-CCVG	0.2000	0.20	µg/L	100%	90-110
1400285-CCBG		-0.0009	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400285
Instrument: ICP-MS-3
Date: 04/03/2014
Analyte: Zn 66

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400285-ICB1		0.00	µg/L		
1400285-CAL1	0.2000	0.20	µg/L	98%	
1400285-CAL2	0.4000	0.41	µg/L	103%	
1400285-CAL3	2.000	2.03	µg/L	101%	
1400285-CAL4	4.000	4.07	µg/L	102%	
1400285-CAL5	50.00	49.78	µg/L	100%	
1400285-CAL6	100.0	100.9	µg/L	101%	
1400285-CAL7	500.0	491.3	µg/L	98%	
1400285-CAL8	1000	970.4	µg/L	97%	
1400285-ICB2		0.0008	µg/L		
1400285-ICV1	5.000	4.91	µg/L	98%	90-110
1400285-ICB3		-0.004	µg/L		
1400285-IBL1		-0.004	µg/L		
1400285-IBL2		-0.002	µg/L		
1400285-IBL3		-0.004	µg/L		
1400285-IBL4		-0.003	µg/L		
1400285-SCV1	55.64	55.20	µg/L	99%	75-125
1400285-SCV2	55.64	54.74	µg/L	98%	75-125
1400285-SCV3	55.64	55.32	µg/L	99%	75-125
1400285-SCV5	20.00	19.42	µg/L	97%	75-125
1400285-CCV1	4.000	3.95	µg/L	99%	90-110
1400285-CCB1		-0.007	µg/L		
1400285-CCV2	4.000	4.07	µg/L	102%	90-110
1400285-CCB2		-0.007	µg/L		
1400285-CCV3	4.000	3.98	µg/L	99%	90-110
1400285-CCB3		0.03	µg/L		
1400285-CCV4	4.000	3.92	µg/L	98%	90-110
1400285-CCB4		0.0005	µg/L		
1400285-CCV5	4.000	3.94	µg/L	98%	90-110
1400285-CCB5		0.002	µg/L		
1400285-CCV6	4.000	3.93	µg/L	98%	90-110
1400285-CCB6		0.004	µg/L		
1400285-CCV7	4.000	3.90	µg/L	97%	90-110
1400285-CCB7		0.003	µg/L		
1400285-CCV8	4.000	3.89	µg/L	97%	90-110
1400285-CCB8		0.0007	µg/L		
1400285-CCV9	4.000	3.90	µg/L	97%	90-110
1400285-CCB9		0.003	µg/L		
1400285-CCVA	4.000	3.90	µg/L	98%	90-110
1400285-CCBA		0.001	µg/L		
1400285-CCVB	4.000	3.89	µg/L	97%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400285
Instrument: ICP-MS-3
Date: 04/03/2014
Analyte: Zn 66

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400285-CCBB		0.01	µg/L		
1400285-CCVC	4.000	3.96	µg/L	99%	90-110
1400285-CCBC		0.01	µg/L		
1400285-CCVD	4.000	3.85	µg/L	96%	90-110
1400285-CCBD		0.003	µg/L		
1400285-CCVE	4.000	3.97	µg/L	99%	90-110
1400285-CCBE		0.004	µg/L		
1400285-CCVF	4.000	3.99	µg/L	100%	90-110
1400285-CCBF		0.002	µg/L		
1400285-CCVG	4.000	3.91	µg/L	98%	90-110
1400285-CCBG		-0.003	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400293
Instrument: ICP-MS-3
Date: 04/08/2014
Analyte: Ag 107

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400293-ICB1		0.000	µg/L		
1400293-CAL1	0.02000	0.020	µg/L	100%	
1400293-CAL2	0.04000	0.040	µg/L	100%	
1400293-CAL3	0.2000	0.201	µg/L	100%	
1400293-CAL4	0.4000	0.400	µg/L	100%	
1400293-CAL5	2.000	2.132	µg/L	107%	
1400293-CAL6	4.000	4.242	µg/L	106%	
1400293-CAL7	20.00	19.00	µg/L	95%	
1400293-CAL8	40.00	36.72	µg/L	92%	
1400293-ICB2		-0.001	µg/L		
1400293-ICV1	1.000	0.887	µg/L	*89%*	90-110
1400293-ICB3		-0.001	µg/L		
1400293-IBL1		-0.001	µg/L		
1400293-IBL2		-0.002	µg/L		
1400293-IBL3		-0.002	µg/L		
1400293-IBL4		-0.002	µg/L		
1400293-SCV1	8.081	8.441	µg/L	104%	75-125
1400293-SCV3	4.000	3.277	µg/L	82%	75-125
1400293-CCV1	0.4000	0.382	µg/L	96%	90-110
1400293-CCB1		-0.001	µg/L		
1400293-CCV2	0.4000	0.409	µg/L	102%	90-110
1400293-CCB2		-0.001	µg/L		
1400293-CCV3	0.4000	0.455	µg/L	*114%*	90-110
1400293-CCB3		-0.001	µg/L		
1400293-CCV4	0.4000	0.478	µg/L	*119%*	90-110
1400293-CCB4		-0.001	µg/L		
1400293-CCV5	0.4000	0.483	µg/L	*121%*	90-110
1400293-CCB5		-0.001	µg/L		
1400293-CCV6	0.4000	0.472	µg/L	*118%*	90-110
1400293-CCB6		-0.002	µg/L		
1400293-CCV7	0.4000	0.461	µg/L	*115%*	90-110
1400293-CCB7		-0.001	µg/L		
1400293-CCV8	0.4000	0.453	µg/L	*113%*	90-110
1400293-CCB8		-0.001	µg/L		
1400293-CCV9	0.4000	0.429	µg/L	107%	90-110
1400293-CCB9		-0.002	µg/L		
1400293-CCVA	0.4000	0.419	µg/L	105%	90-110
1400293-CCBA		-0.002	µg/L		
1400293-CCVB	0.4000	0.422	µg/L	106%	90-110
1400293-CCBB		-0.001	µg/L		
1400293-CCVC	0.4000	0.601	µg/L	*150%*	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400293
Instrument: ICP-MS-3
Date: 04/08/2014
Analyte: Ag 107

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400293-CCBC		-0.002	µg/L		
1400293-CCVD	0.4000	0.429	µg/L	107%	90-110
1400293-CCBD		-0.002	µg/L		
1400293-CCVE	0.4000	0.429	µg/L	107%	90-110
1400293-CCBE		-0.002	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400293
Instrument: ICP-MS-3
Date: 04/08/2014
Analyte: Be

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400293-ICB1		0.000	µg/L		
1400293-CAL1	0.1500	0.149	µg/L	99%	
1400293-CAL2	0.3000	0.304	µg/L	101%	
1400293-CAL3	1.500	1.427	µg/L	95%	
1400293-CAL4	3.000	2.960	µg/L	99%	
1400293-CAL5	1.000	1.023	µg/L	102%	
1400293-CAL6	2.000	2.083	µg/L	104%	
1400293-CAL7	10.00	9.907	µg/L	99%	
1400293-CAL8	20.00	20.00	µg/L	100%	
1400293-ICB2		-0.014	µg/L		
1400293-ICV1	1.000	0.991	µg/L	99%	90-110
1400293-ICB3		-0.014	µg/L		
1400293-IBL1		-0.014	µg/L		
1400293-IBL2		-0.015	µg/L		
1400293-IBL3		-0.015	µg/L		
1400293-IBL4		-0.014	µg/L		
1400293-SCV1	3.026	2.779	µg/L	92%	75-125
1400293-SCV3	4.000	3.802	µg/L	95%	75-125
1400293-CCV1	3.000	3.277	µg/L	109%	90-110
1400293-CCB1		-0.015	µg/L		
1400293-CCV2	3.000	3.278	µg/L	109%	90-110
1400293-CCB2		-0.014	µg/L		
1400293-CCV3	3.000	3.230	µg/L	108%	90-110
1400293-CCB3		-0.016	µg/L		
1400293-CCV4	3.000	2.943	µg/L	98%	90-110
1400293-CCB4		-0.015	µg/L		
1400293-CCV5	3.000	2.991	µg/L	100%	90-110
1400293-CCB5		-0.013	µg/L		
1400293-CCV6	3.000	2.938	µg/L	98%	90-110
1400293-CCB6		-0.016	µg/L		
1400293-CCV7	3.000	3.086	µg/L	103%	90-110
1400293-CCB7		-0.015	µg/L		
1400293-CCV8	3.000	3.013	µg/L	100%	90-110
1400293-CCB8		-0.014	µg/L		
1400293-CCV9	3.000	3.278	µg/L	109%	90-110
1400293-CCB9		-0.014	µg/L		
1400293-CCVA	3.000	3.220	µg/L	107%	90-110
1400293-CCBA		-0.014	µg/L		
1400293-CCVB	3.000	3.101	µg/L	103%	90-110
1400293-CCBB		-0.014	µg/L		
1400293-CCVC	3.000	2.126	µg/L	*71%*	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400293
Instrument: ICP-MS-3
Date: 04/08/2014
Analyte: Be

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400293-CCBC		-0.016	µg/L		
1400293-CCVD	3.000	3.026	µg/L	101%	90-110
1400293-CCBD		-0.016	µg/L		
1400293-CCVE	3.000	3.076	µg/L	103%	90-110
1400293-CCBE		-0.017	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400293
Instrument: ICP-MS-3
Date: 04/08/2014
Analyte: Co

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400293-ICB1		0.000	µg/L		
1400293-CAL1	0.09990	0.099	µg/L	99%	
1400293-CAL2	0.1998	0.205	µg/L	103%	
1400293-CAL3	0.9990	0.972	µg/L	97%	
1400293-CAL4	1.998	2.030	µg/L	102%	
1400293-CAL5	4.995	5.144	µg/L	103%	
1400293-CAL6	9.990	10.15	µg/L	102%	
1400293-CAL7	49.95	49.01	µg/L	98%	
1400293-CAL8	99.90	97.59	µg/L	98%	
1400293-ICB2		-0.004	µg/L		
1400293-ICV1	2.500	2.451	µg/L	98%	90-110
1400293-ICB3		-0.006	µg/L		
1400293-IBL1		-0.006	µg/L		
1400293-IBL2		-0.006	µg/L		
1400293-IBL3		-0.007	µg/L		
1400293-IBL4		-0.006	µg/L		
1400293-SCV1	20.24	19.58	µg/L	97%	75-125
1400293-SCV3	10.00	9.465	µg/L	95%	75-125
1400293-CCV1	1.998	2.129	µg/L	107%	90-110
1400293-CCB1		-0.006	µg/L		
1400293-CCV2	1.998	2.137	µg/L	107%	90-110
1400293-CCB2		-0.006	µg/L		
1400293-CCV3	1.998	2.219	µg/L	*111%*	90-110
1400293-CCB3		-0.006	µg/L		
1400293-CCV4	1.998	2.248	µg/L	*112%*	90-110
1400293-CCB4		-0.006	µg/L		
1400293-CCV5	1.998	2.246	µg/L	*112%*	90-110
1400293-CCB5		-0.006	µg/L		
1400293-CCV6	1.998	2.240	µg/L	*112%*	90-110
1400293-CCB6		-0.006	µg/L		
1400293-CCV7	1.998	2.194	µg/L	110%	90-110
1400293-CCB7		-0.006	µg/L		
1400293-CCV8	1.998	2.160	µg/L	108%	90-110
1400293-CCB8		-0.006	µg/L		
1400293-CCV9	1.998	2.162	µg/L	108%	90-110
1400293-CCB9		-0.006	µg/L		
1400293-CCVA	1.998	2.071	µg/L	104%	90-110
1400293-CCBA		-0.006	µg/L		
1400293-CCVB	1.998	2.126	µg/L	106%	90-110
1400293-CCBB		-0.006	µg/L		
1400293-CCVC	1.998	1.982	µg/L	99%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400293
Instrument: ICP-MS-3
Date: 04/08/2014
Analyte: Co

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400293-CCBC		-0.006	µg/L		
1400293-CCVD	1.998	2.043	µg/L	102%	90-110
1400293-CCBD		-0.006	µg/L		
1400293-CCVE	1.998	1.993	µg/L	100%	90-110
1400293-CCBE		-0.005	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400313
Instrument: ICP-MS-3
Date: 04/11/2014
Analyte: Ag 107

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400313-ICB1		0.000	µg/L		
1400313-CAL1	0.02000	0.020	µg/L	100%	
1400313-CAL2	0.04000	0.040	µg/L	100%	
1400313-CAL3	0.2000	0.204	µg/L	102%	
1400313-CAL4	0.4000	0.415	µg/L	104%	
1400313-CAL5	2.000	2.179	µg/L	109%	
1400313-CAL6	4.000	4.130	µg/L	103%	
1400313-CAL7	20.00	18.77	µg/L	94%	
1400313-CAL8	40.00	35.41	µg/L	89%	
1400313-ICB2		0.002	µg/L		
1400313-ICB3		-0.002	µg/L		
1400313-IBL1		-0.002	µg/L		
1400313-IBL2		-0.002	µg/L		
1400313-IBL3		-0.002	µg/L		
1400313-IBL4		-0.003	µg/L		
1400313-SCV1	8.081	8.234	µg/L	102%	75-125
1400313-SCV3	4.000	3.429	µg/L	86%	75-125
1400313-CCV1	0.4000	0.458	µg/L	*114%*	90-110
1400313-CCB1		-0.002	µg/L		
1400313-CCV2	0.4000	0.493	µg/L	*123%*	90-110
1400313-CCB2		-0.002	µg/L		
1400313-CCV3	0.4000	0.529	µg/L	*132%*	90-110
1400313-CCB3		-0.002	µg/L		
1400313-CCV4	0.4000	0.527	µg/L	*132%*	90-110
1400313-CCB4		-0.002	µg/L		
1400313-CCV5	0.4000	0.473	µg/L	*118%*	90-110
1400313-CCB5		-0.002	µg/L		
1400313-CCV6	0.4000	0.481	µg/L	*120%*	90-110
1400313-CCB6		-0.002	µg/L		
1400313-CCV7	0.4000	0.459	µg/L	*115%*	90-110
1400313-CCB7		-0.002	µg/L		
1400313-CCV8	0.4000	0.480	µg/L	*120%*	90-110
1400313-CCB8		-0.002	µg/L		
1400313-CCV9	0.4000	0.484	µg/L	*121%*	90-110
1400313-CCB9		-0.002	µg/L		
1400313-CCVA	0.4000	0.482	µg/L	*121%*	90-110
1400313-CCBA		-0.002	µg/L		
1400313-CCVB	0.4000	0.484	µg/L	*121%*	90-110
1400313-CCBB		-0.002	µg/L		
1400313-CCVC	0.4000	0.477	µg/L	*119%*	90-110
1400313-CCBC		-0.002	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400313
Instrument: ICP-MS-3
Date: 04/11/2014
Analyte: Ag 107

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC	& Limits
1400313-CCVD	0.4000	0.471	µg/L	*118%*	90-110
1400313-CCBD		-0.002	µg/L		
1400313-CCVE	0.4000	0.483	µg/L	*121%*	90-110
1400313-CCBE		-0.002	µg/L		
1400313-CCVF	0.4000	0.519	µg/L	*130%*	90-110
1400313-CCBF		-0.002	µg/L		
1400313-CCVG	0.4000	0.551	µg/L	*138%*	90-110
1400313-CCBG		-0.002	µg/L		
1400313-CCVH	0.4000	0.407	µg/L	102%	90-110
1400313-CCBH		-0.002	µg/L		
1400313-CCVI	0.4000	0.386	µg/L	97%	90-110
1400313-CCBI		-0.002	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400313
Instrument: ICP-MS-3
Date: 04/11/2014
Analyte: Be

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400313-ICB1		0.000	µg/L		
1400313-CAL1	0.1500	0.146	µg/L	97%	
1400313-CAL2	0.3000	0.311	µg/L	104%	
1400313-CAL3	1.500	1.464	µg/L	98%	
1400313-CAL4	3.000	3.046	µg/L	102%	
1400313-CAL5	1.000	1.043	µg/L	104%	
1400313-CAL6	2.000	2.081	µg/L	104%	
1400313-CAL7	10.00	9.859	µg/L	99%	
1400313-CAL8	20.00	18.56	µg/L	93%	
1400313-ICB2		-0.003	µg/L		
1400313-ICV1	1.000	0.977	µg/L	98%	90-110
1400313-ICB3		-0.004	µg/L		
1400313-IBL1		-0.004	µg/L		
1400313-IBL2		-0.004	µg/L		
1400313-IBL3		-0.004	µg/L		
1400313-IBL4		-0.004	µg/L		
1400313-SCV1	3.026	2.881	µg/L	95%	75-125
1400313-SCV3	4.000	4.130	µg/L	103%	75-125
1400313-CCV1	3.000	2.869	µg/L	96%	90-110
1400313-CCB1		-0.002	µg/L		
1400313-CCV2	3.000	2.919	µg/L	97%	90-110
1400313-CCB2		-0.003	µg/L		
1400313-CCV3	3.000	2.827	µg/L	94%	90-110
1400313-CCB3		-0.004	µg/L		
1400313-CCV4	3.000	2.804	µg/L	93%	90-110
1400313-CCB4		-0.004	µg/L		
1400313-CCV5	3.000	2.815	µg/L	94%	90-110
1400313-CCB5		-0.005	µg/L		
1400313-CCV6	3.000	2.868	µg/L	96%	90-110
1400313-CCB6		-0.004	µg/L		
1400313-CCV7	3.000	2.837	µg/L	95%	90-110
1400313-CCB7		-0.003	µg/L		
1400313-CCV8	3.000	2.872	µg/L	96%	90-110
1400313-CCB8		-0.004	µg/L		
1400313-CCV9	3.000	2.988	µg/L	100%	90-110
1400313-CCB9		-0.004	µg/L		
1400313-CCVA	3.000	3.061	µg/L	102%	90-110
1400313-CCBA		-0.004	µg/L		
1400313-CCVB	3.000	3.060	µg/L	102%	90-110
1400313-CCBB		-0.004	µg/L		
1400313-CCVC	3.000	3.054	µg/L	102%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400313
Instrument: ICP-MS-3
Date: 04/11/2014
Analyte: Be

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400313-CCBC		-0.004	µg/L		
1400313-CCVD	3.000	2.990	µg/L	100%	90-110
1400313-CCBD		-0.005	µg/L		
1400313-CCVE	3.000	3.164	µg/L	105%	90-110
1400313-CCBE		-0.004	µg/L		
1400313-CCVF	3.000	2.942	µg/L	98%	90-110
1400313-CCBF		-0.004	µg/L		
1400313-CCVG	3.000	2.747	µg/L	92%	90-110
1400313-CCBG		0.004	µg/L		
1400313-CCVH	3.000	3.444	µg/L	*115%*	90-110
1400313-CCBH		-0.004	µg/L		
1400313-CCVI	3.000	3.227	µg/L	108%	90-110
1400313-CCBI		-0.004	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400313
Instrument: ICP-MS-3
Date: 04/11/2014
Analyte: Co

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400313-ICB1		0.000	µg/L		
1400313-CAL1	0.09990	0.098	µg/L	98%	
1400313-CAL2	0.1998	0.207	µg/L	104%	
1400313-CAL3	0.9990	1.023	µg/L	102%	
1400313-CAL4	1.998	2.071	µg/L	104%	
1400313-CAL5	4.995	5.177	µg/L	104%	
1400313-CAL6	9.990	10.25	µg/L	103%	
1400313-CAL7	49.95	47.37	µg/L	95%	
1400313-CAL8	99.90	91.99	µg/L	92%	
1400313-ICB2		-0.003	µg/L		
1400313-ICV1	2.500	2.514	µg/L	101%	90-110
1400313-ICB3		-0.003	µg/L		
1400313-IBL1		-0.004	µg/L		
1400313-IBL2		-0.004	µg/L		
1400313-IBL3		-0.004	µg/L		
1400313-IBL4		-0.004	µg/L		
1400313-SCV1	20.24	20.21	µg/L	100%	75-125
1400313-SCV3	10.00	9.682	µg/L	97%	75-125
1400313-CCV1	1.998	2.032	µg/L	102%	90-110
1400313-CCB1		-0.004	µg/L		
1400313-CCV2	1.998	2.151	µg/L	108%	90-110
1400313-CCB2		-0.004	µg/L		
1400313-CCV3	1.998	2.107	µg/L	105%	90-110
1400313-CCB3		-0.004	µg/L		
1400313-CCV4	1.998	2.128	µg/L	106%	90-110
1400313-CCB4		-0.003	µg/L		
1400313-CCV5	1.998	2.025	µg/L	101%	90-110
1400313-CCB5		-0.004	µg/L		
1400313-CCV6	1.998	2.070	µg/L	104%	90-110
1400313-CCB6		-0.004	µg/L		
1400313-CCV7	1.998	2.074	µg/L	104%	90-110
1400313-CCB7		-0.004	µg/L		
1400313-CCV8	1.998	2.093	µg/L	105%	90-110
1400313-CCB8		-0.003	µg/L		
1400313-CCV9	1.998	2.145	µg/L	107%	90-110
1400313-CCB9		-0.003	µg/L		
1400313-CCVA	1.998	2.179	µg/L	109%	90-110
1400313-CCBA		-0.004	µg/L		
1400313-CCVB	1.998	2.188	µg/L	109%	90-110
1400313-CCBB		-0.004	µg/L		
1400313-CCVC	1.998	2.194	µg/L	110%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400313
Instrument: ICP-MS-3
Date: 04/11/2014
Analyte: Co

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400313-CCBC		-0.003	µg/L		
1400313-CCVD	1.998	2.136	µg/L	107%	90-110
1400313-CCBD		-0.003	µg/L		
1400313-CCVE	1.998	2.161	µg/L	108%	90-110
1400313-CCBE		-0.004	µg/L		
1400313-CCVF	1.998	2.135	µg/L	107%	90-110
1400313-CCBF		-0.004	µg/L		
1400313-CCVG	1.998	2.138	µg/L	107%	90-110
1400313-CCBG		-0.002	µg/L		
1400313-CCVH	1.998	2.060	µg/L	103%	90-110
1400313-CCBH		-0.003	µg/L		
1400313-CCVI	1.998	2.029	µg/L	102%	90-110
1400313-CCBI		-0.003	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Sample Containers

Lab ID: 1411043-01
Sample: MAK111C
Comments: Mokuleia Site
Report Matrix: Sea Cucumber
Sample Type: Sample
Collected: 01/31/2014
Received: 03/14/2014

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

Lab ID: 1411043-02
Sample: MAK113C
Comments: Mokuleia Site
Report Matrix: Sea Cucumber
Sample Type: Sample
Collected: 01/31/2014
Received: 03/14/2014

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

Lab ID: 1411043-03
Sample: MAK114C
Comments: Mokuleia Site
Report Matrix: Sea Cucumber
Sample Type: Sample
Collected: 01/31/2014
Received: 03/14/2014

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

Lab ID: 1411043-04
Sample: MAK115C
Comments: Mokuleia Site
Report Matrix: Sea Cucumber
Sample Type: Sample
Collected: 01/31/2014
Received: 03/14/2014

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

Lab ID: 1411043-05
Sample: MAK116C
Comments: Mokuleia Site
Report Matrix: Sea Cucumber
Sample Type: Sample
Collected: 01/31/2014
Received: 03/14/2014

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

Lab ID: 1411043-06
Sample: MAK117C
Comments: Mokuleia Site
Report Matrix: Sea Cucumber
Sample Type: Sample
Collected: 01/31/2014
Received: 03/14/2014

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Sample Containers

Lab ID: 1411043-07
Sample: MAK118C
Comments: Mokuleia Site

Report Matrix: Sea Cucumber
Sample Type: Sample

Collected: 01/31/2014
Received: 03/14/2014

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

Lab ID: 1411043-08
Sample: MAK120C
Comments: Mokuleia Site

Report Matrix: Sea Cucumber
Sample Type: Sample

Collected: 02/11/2014
Received: 03/14/2014

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

Lab ID: 1411043-09
Sample: MAK120L
Comments: Mokuleia Site

Report Matrix: Limu
Sample Type: Sample

Collected: 01/31/2014
Received: 03/14/2014

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

Lab ID: 1411043-10
Sample: MAK121L
Comments: Mokuleia Site

Report Matrix: Limu
Sample Type: Sample

Collected: 01/31/2014
Received: 03/14/2014

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

Lab ID: 1411043-11
Sample: MAK122L
Comments: Mokuleia Site

Report Matrix: Limu
Sample Type: Sample

Collected: 01/31/2014
Received: 03/14/2014

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

Lab ID: 1411043-12
Sample: MAK123L
Comments: Mokuleia Site

Report Matrix: Limu
Sample Type: Sample

Collected: 01/31/2014
Received: 03/14/2014

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Sample Containers

Lab ID: 1411043-13 **Report Matrix:** Limu **Collected:** 01/31/2014
Sample: MAK124L **Sample Type:** Sample **Received:** 03/14/2014
Comments: Mokuleia Site

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

Lab ID: 1411043-14 **Report Matrix:** Limu **Collected:** 02/11/2014
Sample: MAK127L **Sample Type:** Sample **Received:** 03/14/2014
Comments: Mokuleia Site

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

Lab ID: 1411043-15 **Report Matrix:** Limu **Collected:** 02/11/2014
Sample: MAK128L **Sample Type:** Sample **Received:** 03/14/2014
Comments: Mokuleia Site

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

Lab ID: 1411043-16 **Report Matrix:** Limu **Collected:** 01/31/2014
Sample: MAK116L **Sample Type:** Sample **Received:** 03/14/2014
Comments: Maena Point Site

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

Lab ID: 1411043-17 **Report Matrix:** Limu **Collected:** 01/31/2014
Sample: MAK117L **Sample Type:** Sample **Received:** 03/14/2014
Comments: Maena Point Site

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

Lab ID: 1411043-18 **Report Matrix:** Limu **Collected:** 01/31/2014
Sample: MAK118L **Sample Type:** Sample **Received:** 03/14/2014
Comments: Maena Point Site

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Sample Containers

Lab ID: 1411043-19
Sample: MAK126L
Comments: Mokuleia Site

Report Matrix: Limu
Sample Type: Sample

Collected: 01/31/2014
Received: 03/14/2014

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Jar HDPE	4oz	14-0002	none	n/a		Cooler

Shipping Containers

Cooler

Received: March 14, 2014 10:00
Tracking No: 932518881262 via FedEx
Coolant Type: Ice
Temperature: 2.9 °C

Description: Cooler
Damaged in transit? No
Returned to client? No
Comments: see work order notes

Custody seals present? No
Custody seals intact? No
COC present? Yes

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1411043

ARDL, Inc

P.O. Box 1566, 400 Aviation Drive, Mount Vernon, Illinois 62864
Phone (618) 244-3235, Fax (618) 244-1149

CHAIN OF CUSTODY RECORD

Project
ARDL / Makau Military Reservation Oahu, Hawaii Project

SAMPLERS (Signature)

Brooks Rand Lab

SAMPLE NUMBER	DATE	TIME	Comp	Grab	# of Containers	ICP metals via 200.8	Total Hg 1631E	Methyl Mercury 1630 modified	As (III), As (V), AsB, MMA, DMA	Remarks or Sample Location	PRESERVATION: ICED	PRESERVATION: Specify Chemicals added and final pH if known
MAK111C	1/31/2014	1000		x	1	x	x	x	x	Mokuleia Site - Sea Cucumber	x	
MAK113C	1/31/2014	1120		x	1	x	x	x	x	Mokuleia Site - Sea Cucumber	x	
MAK114C	1/31/2014	1155		x	1	x	x	x	x	Mokuleia Site - Sea Cucumber	x	
MAK115C	1/31/2014	1300		x	1	x	x	x	x	Mokuleia Site - Sea Cucumber	x	
MAK116C	1/31/2014	1330		x	1	x	x	x	x	Mokuleia Site - Sea Cucumber	x	
MAK117C	1/31/2014	1435		x	1	x	x	x	x	Mokuleia Site - Sea Cucumber	x	
MAK118C	1/31/2014	1605		x	1	x	x	x	x	Mokuleia Site - Sea Cucumber	x	
MAK120C	2/11/2014	1030		x	1	x	x	x	x	Mokuleia Site - Sea Cucumber	x	
MAK120L	1/31/2014	1040		x	1	x	x	x	x	Mokuleia Site - Limu	x	
MAK121L	1/31/2014	1130		x	1	x	x	x	x	Mokuleia Site - Limu	x	
MAK122L	1/31/2014	1405		x	1	x	x	x	x	Mokuleia Site - Limu	x	
MAK123L	1/31/2014	1455		x	1	x	x	x	x	Mokuleia Site - Limu	x	
MAK124L	1/31/2014	1540		x	1	x	x	x	x	Mokuleia Site - Limu	x	
MAK126L	1/31/2014	1615		x	1	x	x	x	x	Mokuleia Site - Limu	x	
MAK127L	2/11/2014	1304		x	1	x	x	x	x	Mokuleia Site - Limu	x	
MAK128L	2/11/2014	1415		x	1	x	x	x	x	Mokuleia Site - Limu	x	
MAK116L	1/31/2014	820		x	1	x	x	x	x	Maena Point Site - Limu	x	
MAK117L	1/31/2014	835		x	1	x	x	x	x	Maena Point Site - Limu	x	
MAK118L	1/31/2014	910		x	1	x	x	x	x	Maena Point Site - Limu	x	

Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)
	3/13/14	1600	
Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)
	3/14/14	1000	
Received for Laboratory by: (Signature)	Date	Time	Shipping Ticket No.

REMARKS / SPECIAL INSTRUCTIONS:

Project Samples. Please treat each matrix separately.

Please send level 4 hardcopy report and excel edd to: Dean Dickerson, c/o ARDL, Inc. 400 Aviation Drive, Mount Vernon, IL 62864. Email questons to ddickerson@ardlinc.com.

ORIGIN ID:GRBA (920) 469-2436
SHIPPING
PACE ANALYTICAL
1241 BELLEVUE

GREEN BAY, WI 54302
UNITED STATES US

SHIP DATE: 13MAR14
ACTWGT: 6.0 LB MAN
CAD: 5513/CAFE2704

DIM: 12x 8x 8 IN
BILL THIRD PARTY

TO TIFFANY STILLWATER
BROOKS RAND LLC
3958 6TH AVE NW

2.9°C

SEATTLE WA 98107
(206) 632-6206
INV:
PO:

FedEx

TRK# 0201 9325 1868 1382

FW - 14 MAR XX
STANDARD OVERNIGHT
ICE
98107
WA-US SEA

NC BFIA

t # 158148-434 RIT2 03/12

Sample Calculations

CVAFS

EPA 1631, Biota*

$$\frac{\frac{CFD}{A} - \frac{BF_d}{A_d}}{I * 1000}$$

C – result produced at the instrument, pg
F – final volume of the sample preparation, mL
D – dilution factor of any dilution of the preparation made at the instrument
A – analyzed volume of the prep or dilution of the prep, mL
B- the mean of the method blank instrument result, pg
F_d – default final prep volume for the method used for the method blanks, 40 mL
A_d – default analyzed volume for the method used for the method blanks, 1 mL
I – aliquot of sample prepared, g.
* If requested, the final result is dry weight corrected by dividing it by the percent total solids result

EPA 1630, Biota*

$$\frac{\frac{CFD}{A} - \frac{BF_d}{A_d}}{I * 1000}$$

C – result produced at the instrument, pg
F – final volume of the sample preparation, mL
D – dilution factor of any dilution of the preparation made at the instrument
A – analyzed volume of the prep or dilution of the prep, mL
B – the mean of the method blank instrument result, pg
F_d – default final prep volume for the method used for the method blanks, 2.5 mL
A_d – default analyzed volume for the method used for the method blanks, 0.03 mL
I – aliquot of sample prepared, g.
* If requested, the final result is dry weight corrected by dividing it by the percent total solids result

Sample Calculations

ICP-MS Metals

EPA 1638, Biota*

$$\left(C - \frac{D_s B}{D_b}\right)\frac{F}{I * 1000}$$

C – concentration of the sample preparation, corrected for the dilution at the instrument, µg/L
D_s – dilution factor of the sample
D_b – default dilution factor for the method, used for the method blanks, 10x for biota
B – the mean of the method blank instrument result, µg/L
F – final volume of the prep, mL (40 mL)
I – aliquot of sample prepared in grams (typically ~0.5 g)
* If requested, the final result is dry weight corrected by dividing it by the percent total solids result

Arsenic Speciation (HGAAS)

EPA 1632, Biota* [includes As(In), As(III), MMA, & DMA]

$$\frac{\frac{CFD}{A} - \frac{BF_d}{A_d}}{I * 1000}$$

C – result produced at the instrument, ng
F – final volume of the sample preparation, mL
D – dilution factor of any dilution of the preparation made at the instrument
A – analyzed volume of the prep or dilution of the prep, mL
B – the mean of the method blank instrument result, ng
F_d – default final prep volume for the method used for the method blanks, 10 mL
A_d – default analyzed volume for the method used for the method blanks, 2 mL
I – aliquot of sample prepared, g.
* If requested, the final result is dry weight corrected by dividing it by the percent total solids result

EPA 1632, [As(V)] by Difference for All Matrices*

$R_{As(In)} - R_{As(III)}$

$R_{As(In)}$ – final result for inorganic arsenic
$R_{As(III)}$ – final result for trivalent arsenic
* If requested, the final result for solids is dry weight corrected by dividing it by the percent total solids result

ANALYSIS SEQUENCE

1400247

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400247-ICB1	1400247	QC	1		-			
1400247-CAL1	1400247	QC	2	1412009	-			
1400247-CAL2	1400247	QC	3	1412010	-			
1400247-CAL3	1400247	QC	4	1412011	-			
1400247-CAL4	1400247	QC	5	1412012	-			
1400247-CAL5	1400247	QC	6	1412013	-			
1400247-CAL6	1400247	QC	7	1412014	-			
1400247-CAL7	1400247	QC	8	1412015	-			
1400247-CAL8	1400247	QC	9	1412016	-			
1400247-ICB2	1400247	QC	10		-			
1400247-ICV1	1400247	QC	11	1341021	-			
1400247-IBL1	1400247	QC	12		-			
1400247-IBL2	1400247	QC	13		-			
1400247-IBL3	1400247	QC	14		-			
1400247-IBL4	1400247	QC	15		-			
1400247-SCV1	1400247	QC	16	1346032	-			
1400247-CCV1	1400247	QC	17	1412012	-			
1400247-CCB1	1400247	QC	18		-			
B140479-BLK1	B140479	QC	19		-			
B140479-BLK2	B140479	QC	20		-			
B140479-BLK3	B140479	QC	21		-			
B140479-BLK4	B140479	QC	22		-			
B140479-BS1	B140479	QC	23		-			
B140479-SRM1	B140479	QC	24		-			
B140479-SRM2	B140479	QC	25		-			
1411043-01	B140479	As-B-HNO3-DRC	26			ARD-MV1302	1/1/1980	BatchQC

ANALYSIS SEQUENCE

1400247

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-01	B140479	200.8-As-B-HNO3-DRC	27			ARD-MV1302	4/7/2014	
1411043-01	B140479	200.8-Se-B-HNO3-DRC	28			ARD-MV1302	4/7/2014	
B140479-DUP1	B140479	QC	29		1411043-01			
1400247-CCV2	1400247	QC	30	1412012	-			
1400247-CCB2	1400247	QC	31		-			
B140479-MS1	B140479	QC	32		1411043-01			
B140479-MSD1	B140479	QC	33		1411043-01			
1411043-02	B140479	200.8-As-B-HNO3-DRC	34			ARD-MV1302	4/7/2014	
1411043-02	B140479	200.8-Se-B-HNO3-DRC	35			ARD-MV1302	4/7/2014	
1411043-03	B140479	200.8-As-B-HNO3-DRC	36			ARD-MV1302	4/7/2014	
1411043-03	B140479	200.8-Se-B-HNO3-DRC	37			ARD-MV1302	4/7/2014	
1411043-04	B140479	200.8-As-B-HNO3-DRC	38			ARD-MV1302	4/7/2014	
1411043-04	B140479	200.8-Se-B-HNO3-DRC	39			ARD-MV1302	4/7/2014	
1411043-05	B140479	200.8-As-B-HNO3-DRC	40			ARD-MV1302	4/7/2014	
1411043-05	B140479	200.8-Se-B-HNO3-DRC	41			ARD-MV1302	4/7/2014	
1411043-06	B140479	200.8-As-B-HNO3-DRC	42			ARD-MV1302	4/7/2014	
1411043-06	B140479	200.8-Se-B-HNO3-DRC	43			ARD-MV1302	4/7/2014	
1411043-07	B140479	200.8-As-B-HNO3-DRC	44			ARD-MV1302	4/7/2014	
1411043-07	B140479	200.8-Se-B-HNO3-DRC	45			ARD-MV1302	4/7/2014	
1411043-08	B140479	200.8-As-B-HNO3-DRC	46			ARD-MV1302	4/7/2014	
1411043-08	B140479	200.8-Se-B-HNO3-DRC	47			ARD-MV1302	4/7/2014	
1411043-09	B140479	200.8-As-B-HNO3-DRC	48			ARD-MV1302	4/7/2014	
1411043-09	B140479	200.8-Se-B-HNO3-DRC	49			ARD-MV1302	4/7/2014	
1400247-CCV3	1400247	QC	50	1412012	-			
1400247-CCB3	1400247	QC	51		-			
1411043-10	B140479	200.8-As-B-HNO3-DRC	52			ARD-MV1302	4/7/2014	

ANALYSIS SEQUENCE

1400247

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-10	B140479	200.8-Se-B-HNO3-DRC	53			ARD-MV1302	4/7/2014	
1411043-11	B140479	As-B-HNO3-DRC	54			ARD-MV1302	1/1/1980	BatchQC
1411043-11	B140479	200.8-As-B-HNO3-DRC	55			ARD-MV1302	4/7/2014	
1411043-11	B140479	200.8-Se-B-HNO3-DRC	56			ARD-MV1302	4/7/2014	
B140479-DUP2	B140479	QC	57		1411043-11			
B140479-MS2	B140479	QC	58		1411043-11			
B140479-MSD2	B140479	QC	59		1411043-11			
1411043-12	B140479	200.8-As-B-HNO3-DRC	60			ARD-MV1302	4/7/2014	
1411043-12	B140479	200.8-Se-B-HNO3-DRC	61			ARD-MV1302	4/7/2014	
1411043-13	B140479	200.8-As-B-HNO3-DRC	62			ARD-MV1302	4/7/2014	
1411043-13	B140479	200.8-Se-B-HNO3-DRC	63			ARD-MV1302	4/7/2014	
1411043-14	B140479	200.8-As-B-HNO3-DRC	64			ARD-MV1302	4/7/2014	
1411043-14	B140479	200.8-Se-B-HNO3-DRC	65			ARD-MV1302	4/7/2014	
1411043-15	B140479	200.8-As-B-HNO3-DRC	66			ARD-MV1302	4/7/2014	
1411043-15	B140479	200.8-Se-B-HNO3-DRC	67			ARD-MV1302	4/7/2014	
1411043-16	B140479	200.8-As-B-HNO3-DRC	68			ARD-MV1302	4/7/2014	
1411043-16	B140479	200.8-Se-B-HNO3-DRC	69			ARD-MV1302	4/7/2014	
1400247-CCV4	1400247	QC	70	1412012	-			
1400247-CCB4	1400247	QC	71		-			
1411043-17	B140479	200.8-As-B-HNO3-DRC	72			ARD-MV1302	4/7/2014	
1411043-17	B140479	200.8-Se-B-HNO3-DRC	73			ARD-MV1302	4/7/2014	
1411043-18	B140479	200.8-As-B-HNO3-DRC	74			ARD-MV1302	4/7/2014	
1411043-18	B140479	200.8-Se-B-HNO3-DRC	75			ARD-MV1302	4/7/2014	
1411043-19	B140479	200.8-As-B-HNO3-DRC	76			ARD-MV1302	4/7/2014	
1411043-19	B140479	200.8-Se-B-HNO3-DRC	77			ARD-MV1302	4/7/2014	
1411044-01	B140479	As-B-HNO3-DRC	78			MAX-BR1304	3/26/2014	

ANALYSIS SEQUENCE

1400247

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411044-02	B140479	As-B-HNO3-DRC	79			MAX-BR1304	3/26/2014	
1411044-02	B140479	200.8-As-B-HNO3-DRC	80			MAX-BR1304	1/1/1980	BatchQC
1411044-02	B140479	200.8-Se-B-HNO3-DRC	81			MAX-BR1304	1/1/1980	BatchQC
B140479-DUP3	B140479	QC	82		1411044-02			
B140479-MS3	B140479	QC	83		1411044-02			
B140479-MSD3	B140479	QC	84		1411044-02			
1411044-03	B140479	As-B-HNO3-DRC	85			MAX-BR1304	3/26/2014	
1411044-04	B140479	As-B-HNO3-DRC	86			MAX-BR1304	3/26/2014	
1400247-CCV5	1400247	QC	87	1412012	-			
1400247-CCB5	1400247	QC	88		-			
1411044-05	B140479	As-B-HNO3-DRC	89			MAX-BR1304	3/26/2014	
1411044-06	B140479	As-B-HNO3-DRC	90			MAX-BR1304	3/26/2014	
1411044-07	B140479	As-B-HNO3-DRC	91			MAX-BR1304	3/26/2014	
1411044-08	B140479	As-B-HNO3-DRC	92			MAX-BR1304	3/26/2014	
1411044-09	B140479	As-B-HNO3-DRC	93			MAX-BR1304	3/26/2014	
1411044-10	B140479	As-B-HNO3-DRC	94			MAX-BR1304	3/26/2014	
1411044-11	B140479	As-B-HNO3-DRC	95			MAX-BR1304	3/26/2014	
1400247-CCV6	1400247	QC	96	1412013	-			
1400247-CCB6	1400247	QC	97		-			
1411044-12	B140479	As-B-HNO3-DRC	98			MAX-BR1304	3/26/2014	
1411044-12	B140479	200.8-As-B-HNO3-DRC	99			MAX-BR1304	1/1/1980	BatchQC
1411044-12	B140479	200.8-Se-B-HNO3-DRC	100			MAX-BR1304	1/1/1980	BatchQC
B140479-DUP4	B140479	QC	101		1411044-12			
B140479-MS4	B140479	QC	102		1411044-12			
B140479-MSD4	B140479	QC	103		1411044-12			
1411044-13	B140479	As-B-HNO3-DRC	104			MAX-BR1304	3/26/2014	

ANALYSIS SEQUENCE

1400247

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411044-14	B140479	As-B-HNO3-DRC	105			MAX-BR1304	3/26/2014	
1411044-15	B140479	As-B-HNO3-DRC	106			MAX-BR1304	3/26/2014	
1411044-16	B140479	As-B-HNO3-DRC	107			MAX-BR1304	3/26/2014	
1411044-17	B140479	As-B-HNO3-DRC	108			MAX-BR1304	3/26/2014	
1411044-18	B140479	As-B-HNO3-DRC	109			MAX-BR1304	3/26/2014	
1400247-CCV7	1400247	QC	110	1412013	-			
1400247-CCB7	1400247	QC	111		-			
B140423-BLK1	B140423	QC	112		-			
B140423-BLK2	B140423	QC	113		-			
B140423-BLK3	B140423	QC	114		-			
B140423-BLK4	B140423	QC	115		-			
B140423-BS1	B140423	QC	116		-			
B140423-SRM1	B140423	QC	117		-			
B140423-SRM2	B140423	QC	118		-			
1411009-01	B140423	As-B-HNO3-DRC	119			LKM-ED1401	4/2/2014	
B140423-DUP1	B140423	QC	120		1411009-01			
1400247-CCV8	1400247	QC	121	1412013	-			
1400247-CCB8	1400247	QC	122		-			
B140423-MS1	B140423	QC	123		1411009-01			
B140423-MSD1	B140423	QC	124		1411009-01			
1411009-02	B140423	As-B-HNO3-DRC	125			LKM-ED1401	4/2/2014	
1411009-03	B140423	As-B-HNO3-DRC	126			LKM-ED1401	4/2/2014	
1411009-04	B140423	As-B-HNO3-DRC	127			LKM-ED1401	4/2/2014	
1411009-05	B140423	As-B-HNO3-DRC	128			LKM-ED1401	4/2/2014	
1411009-06	B140423	As-B-HNO3-DRC	129			LKM-ED1401	4/2/2014	
1411009-07	B140423	As-B-HNO3-DRC	130			LKM-ED1401	4/2/2014	

ANALYSIS SEQUENCE

1400247

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411009-08	B140423	As-B-HNO3-DRC	131			LKM-ED1401	4/2/2014	
1411009-09	B140423	As-B-HNO3-DRC	132			LKM-ED1401	4/2/2014	
1400247-CCV9	1400247	QC	133	1412013	-			
1400247-CCB9	1400247	QC	134		-			
1411009-10	B140423	As-B-HNO3-DRC	135			LKM-ED1401	4/2/2014	
1411009-11	B140423	As-B-HNO3-DRC	136			LKM-ED1401	4/2/2014	
B140423-DUP2	B140423	QC	137		1411009-11			
B140423-MS2	B140423	QC	138		1411009-11			
B140423-MSD2	B140423	QC	139		1411009-11			
1411009-12	B140423	As-B-HNO3-DRC	140			LKM-ED1401	4/2/2014	
1411009-13	B140423	As-B-HNO3-DRC	141			LKM-ED1401	4/2/2014	
1411009-14	B140423	As-B-HNO3-DRC	142			LKM-ED1401	4/2/2014	
1411009-15	B140423	As-B-HNO3-DRC	143			LKM-ED1401	4/2/2014	
1411009-16	B140423	As-B-HNO3-DRC	144			LKM-ED1401	4/2/2014	
1400247-CCVA	1400247	QC	145	1412013	-			
1400247-CCBA	1400247	QC	146		-			
1411009-17	B140423	As-B-HNO3-DRC	147			LKM-ED1401	4/2/2014	
1411009-18	B140423	As-B-HNO3-DRC	148			LKM-ED1401	4/2/2014	
1411009-19	B140423	As-B-HNO3-DRC	149			LKM-ED1401	4/2/2014	
1411009-20	B140423	As-B-HNO3-DRC	150			LKM-ED1401	4/2/2014	
1411009-21	B140423	As-B-HNO3-DRC	151			LKM-ED1401	4/2/2014	
1411016-01	B140423	As-B-HNO3-DRC	152			LKM-ED1401	4/2/2014	
B140423-DUP3	B140423	QC	153		1411016-01			
B140423-MS3	B140423	QC	154		1411016-01			
B140423-MSD3	B140423	QC	155		1411016-01			
1411016-02	B140423	As-B-HNO3-DRC	156			LKM-ED1401	4/2/2014	

ANALYSIS SEQUENCE

1400247

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400247-CCVB	1400247	QC	157	1412013	-			
1400247-CCBB	1400247	QC	158		-			
1411016-03	B140423	As-B-HNO3-DRC	159			LKM-ED1401	4/2/2014	
1411016-04	B140423	As-B-HNO3-DRC	160			LKM-ED1401	4/2/2014	
1411016-05	B140423	As-B-HNO3-DRC	161			LKM-ED1401	4/2/2014	
1411016-06	B140423	As-B-HNO3-DRC	162			LKM-ED1401	4/2/2014	
1411016-07	B140423	As-B-HNO3-DRC	163			LKM-ED1401	4/2/2014	
1411016-08	B140423	As-B-HNO3-DRC	164			LKM-ED1401	4/2/2014	
1411016-09	B140423	As-B-HNO3-DRC	165			LKM-ED1401	4/2/2014	
1411016-10	B140423	As-B-HNO3-DRC	166			LKM-ED1401	4/2/2014	
1411016-11	B140423	As-B-HNO3-DRC	167			LKM-ED1401	4/2/2014	
B140423-DUP4	B140423	QC	168		1411016-11			
1400247-CCVC	1400247	QC	169	1412013	-			
1400247-CCBC	1400247	QC	170		-			
B140423-MS4	B140423	QC	171		1411016-11			
B140423-MSD4	B140423	QC	172		1411016-11			
1411016-12	B140423	As-B-HNO3-DRC	173			LKM-ED1401	4/2/2014	
1411016-13	B140423	As-B-HNO3-DRC	174			LKM-ED1401	4/2/2014	
1411016-14	B140423	As-B-HNO3-DRC	175			LKM-ED1401	4/2/2014	
1411016-15	B140423	As-B-HNO3-DRC	176			LKM-ED1401	4/2/2014	
1411016-16	B140423	As-B-HNO3-DRC	177			LKM-ED1401	4/2/2014	
1411016-17	B140423	As-B-HNO3-DRC	178			LKM-ED1401	4/2/2014	
1411016-18	B140423	As-B-HNO3-DRC	179			LKM-ED1401	4/2/2014	
1411016-19	B140423	As-B-HNO3-DRC	180			LKM-ED1401	4/2/2014	
1400247-CCVD	1400247	QC	181	1412013	-			
1400247-CCBD	1400247	QC	182		-			

ANALYSIS SEQUENCE

1400247

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411016-20	B140423	As-B-HNO3-DRC	183			LKM-ED1401	4/2/2014	
B140423-DUP5	B140423	QC	184		1411016-20			
B140423-MS5	B140423	QC	185		1411016-20			
B140423-MSD5	B140423	QC	186		1411016-20			
1411016-21	B140423	As-B-HNO3-DRC	187			LKM-ED1401	4/2/2014	
1411016-22	B140423	As-B-HNO3-DRC	188			LKM-ED1401	4/2/2014	
1411016-23	B140423	As-B-HNO3-DRC	189			LKM-ED1401	4/2/2014	
1400247-CCVE	1400247	QC	190	1412014	-			
1400247-CCBE	1400247	QC	191		-			
1411016-24	B140423	As-B-HNO3-DRC	192			LKM-ED1401	4/2/2014	
1411016-25	B140423	As-B-HNO3-DRC	193			LKM-ED1401	4/2/2014	
1411016-26	B140423	As-B-HNO3-DRC	194			LKM-ED1401	4/2/2014	
1411016-27	B140423	As-B-HNO3-DRC	195			LKM-ED1401	4/2/2014	
1411016-28	B140423	As-B-HNO3-DRC	196			LKM-ED1401	4/2/2014	
1411016-29	B140423	As-B-HNO3-DRC	197			LKM-ED1401	4/2/2014	
1400247-CCVF	1400247	QC	198	1412014	-			
1400247-CCBF	1400247	QC	199		-			
1400247-CCVG	1400247	QC	200	1412014	-			
1400247-CCBG	1400247	QC	201		-			
1400247-CCVH	1400247	QC	202	1412014	-			
1400247-CCBH	1400247	QC	203		-			
1400247-CCVI	1400247	QC	204	1412014	-			
1400247-CCBI	1400247	QC	205		-			

ICP-MS Analysis Benchsheet Batch No: B140479, 0423, 0506

BR-0060 O_2 DRC mode

(BRL procedure for the analysis of samples by EPA Methods 1638, 200.8, 6020A, and 1640)

Analyst: CCE Date: 3/25/2014

Instrument ID: ICPMS2 cHNO3 ID: 1406035 cHCl ID: NA

Calibration recorded in LIMS Int Std: 1410035 SEQ: 1400247, ~~1400250 (µDL)~~ CCE 3/26/14

A/S #	Batch	Sample ID	Dilution	Comments
1		warm up		
1		warm up		
1		warm up		
1		SEQ-ICB1		
2		SEQ-CAL1		1412009
3		SEQ-CAL2		1412010
4		SEQ-CAL3		1412011
5		SEQ-CAL4		1412012
6		SEQ-CAL5		1412013
7		SEQ-CAL6		1412014
8		SEQ-CAL7		1412015
9		SEQ-CAL8		1412016
1		SEQ-ICB2		
101		SEQ-ICV1		1341021
1		SEQ-ICB3		
102		SEQ-IBL1		
103		SEQ-IBL2		
104		SEQ-IBL3		
105		SEQ-IBL4		
106		SEQ-SCV1	5x	NIST 1643e 1346032; 1323040
5		SEQ-CCV1		1412012
1		SEQ-CCB1		
242	B140479	B140479-BLK1	10x	
243	B140479	B140479-BLK2	10x	
244	B140479	B140479-BLK3	10x	
245	B140479	B140479-BLK4	10x	
246	B140479	B140479-BS1	10x	
247	B140479	B140479-SRM1	10x	
248	B140479	B140479-SRM2	10x	
249	B140479	1411043-01	10x	
250	B140479	B140479-DUP1	10x	
5		SEQ-CCV2		1412012
1		SEQ-CCB2		
251	B140479	B140479-MS1	10x	
252	B140479	B140479-MSD1	10x	
253	B140479	1411043-02	10x	
254	B140479	1411043-03	10x	
255	B140479	1411043-04	10x	
256	B140479	1411043-05	10x	

257	B140479	1411043-06	10x	
258	B140479	1411043-07	10x	
259	B140479	1411043-08	10x	
260	B140479	1411043-09	10x	
5		SEQ-CCV3		1412012
1		SEQ-CCB3		
301	B140479	1411043-10	10x	
302	B140479	1411043-11	10x	
303	B140479	B140479-DUP2	10x	
304	B140479	B140479-MS2	10x	
305	B140479	B140479-MSD2	10x	
306	B140479	1411043-12	10x	
307	B140479	1411043-13	10x	
308	B140479	1411043-14	10x	
309	B140479	1411043-15	10x	
310	B140479	1411043-16	10x	
5		SEQ-CCV4		1412012
1		SEQ-CCB4		
311	B140479	1411043-17	10x	
312	B140479	1411043-18	10x	
313	B140479	1411043-19	10x	
314	B140479	1411044-01	10x	
315	B140479	1411044-02	10x	
316	B140479	B140479-DUP3	10x	
317	B140479	B140479-MS3	10x	
318	B140479	B140479-MSD3	10x	
319	B140479	1411044-03	10x	
320	B140479	1411044-04	10x	
5		SEQ-CCV5		1412012
1		SEQ-CCB5		
321	B140479	1411044-05	10x	
322	B140479	1411044-06	10x	
323	B140479	1411044-07	10x	
324	B140479	1411044-08	10x	
325	B140479	1411044-09	10x	
326	B140479	1411044-10	10x	
327	B140479	1411044-11	10x	
6		SEQ-CCV6		1412013
1		SEQ-CCB6		
328	B140479	1411044-12	10x	
329	B140479	B140479-DUP4	10x	
330	B140479	B140479-MS4	10x	
331	B140479	B140479-MSD4	10x	
332	B140479	1411044-13	10x	
333	B140479	1411044-14	10x	
334	B140479	1411044-15	10x	
335	B140479	1411044-16	10x	
336	B140479	1411044-17	10x	
337	B140479	1411044-18	10x	
6		SEQ-CCV7		1412013
1		SEQ-CCB7		
338	B140423	B140423-BLK1	10x	

339	B140423	B140423-BLK2	10x	
340	B140423	B140423-BLK3	10x	
341	B140423	B140423-BLK4	10x	
342	B140423	B140423-BS1	10x	
343	B140423	B140423-SRM1	10x	
344	B140423	B140423-SRM2	10x	
345	B140423	1411009-01	10x	
346	B140423	B140423-DUP1	10x	
6		SEQ-CCV8		1412013
1		SEQ-CCB8		
347	B140423	B140423-MS1	10x	
348	B140423	B140423-MSD1	10x	
349	B140423	1411009-02	10x	
350	B140423	1411009-03	10x	
351	B140423	1411009-04	10x	
352	B140423	1411009-05	10x	
353	B140423	1411009-06	10x	
354	B140423	1411009-07	10x	
355	B140423	1411009-08	10x	
356	B140423	1411009-09	10x	
6		SEQ-CCV9		1412013
1		SEQ-CCB9		
357	B140423	1411009-10	10x	
358	B140423	1411009-11	10x	
359	B140423	B140423-DUP2	10x	
360	B140423	B140423-MS2	10x	
101	B140423	B140423-MSD2	10x	
102	B140423	1411009-12	10x	
103	B140423	1411009-13	10x	
104	B140423	1411009-14	10x	
105	B140423	1411009-15	10x	
106	B140423	1411009-16	10x	
6		SEQ-CCVA		1412013
1		SEQ-CCBA		
107	B140423	1411009-17	10x	
108	B140423	1411009-18	10x	
109	B140423	1411009-19	10x	
110	B140423	1411009-20	10x	
111	B140423	1411009-21	10x	
112	B140423	1411016-01	10x	
113	B140423	B140423-DUP3	10x	
114	B140423	B140423-MS3	10x	
115	B140423	B140423-MSD3	10x	
116	B140423	1411016-02	10x	
6		SEQ-CCVB		1412013
10		SEQ-CCBB		
117	B140423	1411016-03	10x	
118	B140423	1411016-04	10x	
119	B140423	1411016-05	10x	
120	B140423	1411016-06	10x	
121	B140423	1411016-07	10x	
122	B140423	1411016-08	10x	

123	B140423	1411016-09	10x	
124	B140423	1411016-10	10x	
125	B140423	1411016-11	10x	
126	B140423	B140423-DUP4	10x	
6		SEQ-CCVC		1412013
10		SEQ-CCBC		
127	B140423	B140423-MS4	10x	
128	B140423	B140423-MSD4	10x	
129	B140423	1411016-12	10x	
130	B140423	1411016-13	10x	
131	B140423	1411016-14	10x	
132	B140423	1411016-15	10x	
133	B140423	1411016-16	10x	
134	B140423	1411016-17	10x	
135	B140423	1411016-18	10x	
136	B140423	1411016-19	10x	
6		SEQ-CCVD		1412013
10		SEQ-CCBD		
137	B140423	1411016-20	10x	
138	B140423	B140423-DUP5	10x	
139	B140423	B140423-MS5	10x	
140	B140423	B140423-MSD5	10x	
141	B140423	1411016-21	10x	
142	B140423	1411016-22	10x	
143	B140423	1411016-23	10x	
7		SEQ-CCVE		1412014
10		SEQ-CCBE		
144	B140423	1411016-24	10x	
145	B140423	1411016-25	10x	
146	B140423	1411016-26	10x	
147	B140423	1411016-27	10x	
148	B140423	1411016-28	10x	
149	B140423	1411016-29	10x	
7		SEQ-CCVF		1412014
10		SEQ-CCBF		
150	B140506	B140506-BLK1	50x	
151	B140506	B140506-BLK2	50x	
152	B140506	B140506-BLK3	50x	
153	B140506	B140506-BLK4	50x	
154	B140506	B140506-SRM1	50x	
155	B140506	B140506-SRM2	50x	
7		SEQ-CCVG		1412014
10		SEQ-CCBG		
156	B140506	B140506-BS1	50x	
157	B140506	B140506-BS2	50x	
158	B140506	B140506-BS3	50x	
159	B140506	B140506-BS4	50x	
160	B140506	B140506-BS5	50x	
201	B140506	B140506-BS6	50x	
202	B140506	B140506-BS7	50x	
203	B140506	B140506-BS8	50x	
7		SEQ-CCVH		1412014

10		SEQ-CCBH		
208	B140506	B140506-BSD	50x	
209	B140506	B140506-BSE	50x	
210	B140506	B140506-BSF	50x	
204	B140506	B140506-BS9	50x	
205	B140506	B140506-BSA	50x	
206	B140506	B140506-BSB	50x	
207	B140506	B140506-BSC	50x	
7		SEQ-CCVI		1412014
10		SEQ-CCBI		
434		rinse		
434		rinse		
434		rinse		
434		rinse		

Trace Metals Method BR-0070 Rev 003 (ICP-MS)

Biota Preparation by HotBlock Digestion

Digestion by: HNO_3 / H_2O_2

Page 1 of 2

Batch #: B140477, 0478, 0479 Prepared By: CLE Preparation Date and Time*: 3/24/14 1630

Matrix: biota Balance ID: BL-03 Date and Time of Finished Preparation: 10403/25/14

* Time is when the first reagents are added.

Sample ID	Sample Mass (g)	Notes
BLK1	---	
BLK2	---	
BLK3	---	
BLK4	---	
BS1	---	
SRM1	0.252	
SRM2	0.252	
1411043-01	0.501	
DUP1	0.496	Source: 1411043-01
MS1	0.505	⊥
MSD1	0.504	⊥
1411043-02	0.517	
-03	0.554	
-04	0.571	
-05	0.514	
-06	0.529	
-07	0.556	
-08	0.531	
-09	0.542	
-10	0.521	
-11	0.530	
DUP2	0.515	Source: 1411043-11
MS2	0.497	⊥
MSD2	0.522	⊥

Sample ID	Sample Mass (g)	Notes
1411043-12	0.511	
-13	0.511	
-14	0.515	
-15	0.526	
-16	0.564	
-17	0.592	
-18	0.518	
-19	0.510	
1411044-01	0.501	
B140479 DUP3	0.510	Source 1411044-02
MS3	0.530	⊥
MSD3	0.529	⊥
1411044-02	0.542	
-03	0.540	
-04	0.539	
-05	0.545	
-06	0.505	
-07	0.592	
-08	0.524	
-09	0.548	
-10	0.510	
-11	0.521	
B140479 DUP4	0.532	Source: 1411044-12
MS4	0.494	⊥

Note: QC sets follow source sample on benchsheet unless otherwise noted.
If no batch is specified, QC is shared between all batches being prepped.

Sample ID	Spike ID	Spike Added (mL)	Analyte/Concentration	Spike Witness Initials/Date
BS1, MS/D 1-4	1413003	0.1	B140477-9 spike mix	JW 3/24/14
BS1, MS/D 1-2	B470410	0.05	Ag 10 ppm	
	1410043	0.1	Sb 1 ppm	
	1310029	0.025	Al 10,000 ppm	
	1345003	0.050	Fe 10,000 ppm	

Take spike ID: 1413004

Target Hotblock Temperature = 100 °C

Reagents Added (ID/Amount Added)
0.1mL H2O2 (1350057)
10mL HNO3 (1406035)

HotBlock Temperature*, Time On / Time Off, Date
N/C: 100°C 1705 / M: 103°C C: 101.5°C 1705 3/24/14
timer set for 3.5 hrs

Hotblock Therm. ID: HB-02 / HB-01 Therm. Hotblock ID: TM-05 / TM-01

* Both measured and corrected temperatures must be recorded.

Environ. Express tube lot #: 1309271

Final Dilution Volume 40 mL

SRM-Matrix-LIMS ID #
SRM1-DOFM-4-1329003
SRM2-TOFT-3-1327017

Comments:
*: changes by CLE 3/24/14 ●: digested on HB-01 (all other samples digested on HB-02) Δ: Final vol = 45 mL

Trace Metals Method BR-0070 Rev 003 (ICP-MS)
Biota Preparation by HotBlock Digestion

Digestion by: HNO_3 / H_2O_2

Batch #: B140477, 0478, 0479

Page 2 of 2

Sample ID	Sample Mass (g)	Notes
B140479 MSD4	0.522	Source: 1411044-12
1411044-12	0.545	
-13	0.537	
-14	0.523	
-15	0.537	
-16	0.530	
-17	0.506	
-18	0.589	

CJE 3/24/14

Sample ID	Sample Mass (g)	Notes

CJE 3/24/14

B140477, 0478, 0479
biota

Samples spiked: BS1, MS/D1-4

Spike mix ID: 1413003

Element	Target Conc. (mg/kg)	spike conc w/ **0.1mL spike vol** and **0.5g*** **sample**	mL from stock into **10mL tube**	ppm	LIMS ID
As DRC	10.000	50.000	0.500	1000	1310030
Ba	1.600	8.000	0.800	**100**	1411082
Be	0.900	4.500	0.450	**100**	1411084
Cd	0.200	1.000	0.100	**100**	1411087
Co	1.600	8.000	0.800	**100**	1351036
Cr DRC	3.000	15.000	0.150	1000	1351015
Cu	10.000	50.000	0.500	1000	1351017
Mn	13.000	65.000	0.650	1000	1351019
Pb	1.500	7.500	0.075	1000	1351022
Se DRC	1.500	7.500	0.075	1000	1310040
Tl	1.000	5.000	0.050	1000	1310041
V DRC	4.000	20.000	0.200	**1000**	1310043
Zn	10.000	50.000	0.050	**10000**	1337001

Samples spiked: BS1, MS/D1-2 Add 5.6mL 2% HNO3

Fake spike ID: 1413004

Element	Target Conc. (mg/kg)	vol to spike **directly** to **0.5g*** **sample**	ppm	LIMS ID
Ag	1.000	0.050	**10**	1347040
Sb	0.200	0.100	**1**	1410043
Al	500.000	0.025	**10000**	1310029
Fe DRC	1000.000	0.050	**10000**	1345003

*listed spike volume(s) used regardless of sample mass.

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Elandata\Wizard\SmartTune\1-SmartTune Full SF.swz

Start Time: 2/18/2014 12:46:33 PM
End Time: 2/18/2014 12:52:15 PM

Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (9.0122/9.025), Target/Obtained resolution (0.7/0.691)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.699)
Target/Obtained mass (75.93/75.925), Target/Obtained resolution (0.7/0.680)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.679)
Target/Obtained mass (139.905/139.875), Target/Obtained resolution (0.7/0.683)
Target/Obtained mass (207.977/208.025), Target/Obtained resolution (0.7/0.694)
Target/Obtained mass (238.05/237.975), Target/Obtained resolution (0.7/0.687)

SmartTune Wizard - Details

```
Optimization Details

SmartTune file: C:\Elandata\Wizard\SmartTune\1-SmartTune Full SF.swz

Optimization Status

Start Time: 2/18/2014 12:46:33 PM



Mass Calibration and Resolution
        Optimization Settings:
                Method: C:\Elandata\Method\1-tuning-SF.mth.
                Tuning File: Default.tun
                Iterations: 6
                Target accuracy (+/- amu): 0.1 for Mass Cal. and 0.05 for Resolution
                Peak height (%) for Res. Opt.: 10

        Optimization Results:
        Initial Try
                Target/Obtained mass (9.0122/9.025), Target/Obtained resolution (0.7/0.691)
                Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.699)
                Target/Obtained mass (75.93/75.925), Target/Obtained resolution (0.7/0.680)
                Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.679)
                Target/Obtained mass (139.905/139.875), Target/Obtained resolution (0.7/0.683)
                Target/Obtained mass (207.977/208.025), Target/Obtained resolution (0.7/0.694)
                Target/Obtained mass (238.05/237.975), Target/Obtained resolution (0.7/0.687)
[Passed]  Optimum value(s): N/A

End Time: 2/18/2014 12:52:15 PM
```

Sample Information

Report Title: QUANTITATIVE ANALYSIS REPORT
Batch ID:
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006
Tuning File: C:\Elandata\Tuning\Default.tun
Optimization File: C:\Elandata\Optimize\Default.dac
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Calibration Type: External Calibration

Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
AsO	91	Weighted Linear	0.006	0.000	0.999856	0.025000
Se	78	Weighted Linear	0.000	-0.000	0.999513	0.050000
Se	77	Weighted Linear	0.000	-0.000	0.996678	0.050000
Rh	103	Weighted Linear				
Br	79	Weighted Linear				
Cl	35	Weighted Linear				
C	13	Weighted Linear				

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB1

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:00:21
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91		10	2	17.3			ug/L
|	Se	78		5	2	44.4			ug/L
|	Se	77		3	1	43.5			ug/L
⌊>	Rh	103		267590	753	0.3			ug/L
	Br	79		3	3	100.0			ug/L
	Cl	35		628	9	1.4			ug/L
	C	13		2530	127	5.0			ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL1

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:01:49
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CAL1.007
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	56	23	41.2	0.000171	**0.0247**	ug/L
|	Se	78	5	12	4	36.9	0.000025	**0.0509**	ug/L
|	Se	77	3	4	1	16.1	0.000003	**0.0534**	ug/L
⌊>	Rh	103	267590	268068	3127	1.2	268067.734976		ug/L
	Br	79	3	8	5	66.7	5.000003		ug/L
	Cl	35	628	540	44	8.1	-88.338942		ug/L
	C	13	2530	2379	58	2.4	-150.874523		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL2

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:03:16
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CAL2.008
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	100	27	26.5	0.000338	**0.0511**	ug/L
|	Se	78	5	18	4	19.6	0.000048	**0.0977**	ug/L
|	Se	77	3	5	2	31.2	0.000008	**0.0888**	ug/L
⌊>	Rh	103	267590	266776	1920	0.7	266776.183836		ug/L
	Br	79	3	5	3	50.0	2.500001		ug/L
	Cl	35	628	582	41	7.0	-46.669715		ug/L
	C	13	2530	2297	89	3.9	-232.562026		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL3

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:04:44
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 4

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CAL3.009
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	434	161	37.2	0.001580	**0.2471**	ug/L
|	Se	78	5	37	16	43.1	0.000119	**0.2382**	ug/L
|	Se	77	3	11	5	51.4	0.000029	**0.2277**	ug/L
⌊>	Rh	103	267590	267779	1814	0.7	267779.187728		ug/L
	Br	79	3	8	1	17.3	5.833337		ug/L
	Cl	35	628	570	66	11.5	-58.337023		ug/L
	C	13	2530	2322	134	5.8	-207.555305		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL4

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:06:12
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CAL4.010
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	1732	633	36.6	0.006445	**1.0150**	ug/L
│	Se	78	5	145	50	34.6	0.000523	**1.0470**	ug/L
│	Se	77	3	46	18	39.3	0.000160	**1.0945**	ug/L
└>	Rh	103	267590	265960	5567	2.1	265959.563928		ug/L
	Br	79	3	3	4	114.6	0.833334		ug/L
	Cl	35	628	559	25	4.5	-69.171164		ug/L
	C	13	2530	2427	77	3.2	-102.528321		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL5

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:07:40
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CAL5.011
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	8433	3063	36.3	0.031842	**5.0233**	ug/L
│	Se	78	5	671	249	37.1	0.002518	**5.0416**	ug/L
│	Se	77	3	212	75	35.1	0.000793	**5.2697**	ug/L
└>	Rh	103	267590	263662	4325	1.6	263661.973641		ug/L
	Br	79	3	4	1	34.6	1.666667		ug/L
	Cl	35	628	556	56	10.1	-72.504609		ug/L
	C	13	2530	2353	74	3.1	-176.714503		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL6

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:09:08
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 7

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CAL6.012
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	42183	14901	35.3	0.160044	**25.2568**	ug/L
│	Se	78	5	3301	1193	36.1	0.012509	**25.0437**	ug/L
│	Se	77	3	1004	342	34.1	0.003799	**25.1218**	ug/L
└>	Rh	103	267590	262954	2433	0.9	262953.954747		ug/L
	Br	79	3	5	4	86.6	2.500001		ug/L
	Cl	35	628	565	61	10.9	-63.337355		ug/L
	C	13	2530	2343	108	4.6	-186.716855		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL7

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:10:36
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 8

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CAL7.013
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	206580	72423	35.1	0.785598	**123.9854**	ug/L
│	Se	78	5	16327	5807	35.6	0.062070	**124.2643**	ug/L
│	Se	77	3	4889	1721	35.2	0.018580	**122.7365**	ug/L
└>	Rh	103	267590	262070	4079	1.6	262070.187095		ug/L
	Br	79	3	2	1	86.6	-0.833334		ug/L
	Cl	35	628	561	18	3.3	-67.504405		ug/L
	C	13	2530	2361	28	1.2	-168.379180		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL8

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:12:03
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CAL8.014
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	806136	275797	34.2	3.097158	**488.8095**	ug/L
|	Se	78	5	65063	22468	34.5	0.249949	**500.3927**	ug/L
|	Se	77	3	19657	6747	34.3	0.075508	**498.6902**	ug/L
⌊>	Rh	103	267590	260196	1740	0.7	260196.183275		ug/L
	Br	79	3	14	1	10.2	11.666677		ug/L
	Cl	35	628	628	13	2.1	-0.833388		ug/L
	C	13	2530	2328	39	1.7	-201.721083		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB2

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:13:32
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB2.015
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	214	67	31.3	0.000774	**0.1199**	ug/L
|	Se	78	5	42	13	30.0	0.000142	**0.2841**	ug/L
|	Se	77	3	14	4	32.0	0.000041	**0.3056**	ug/L
⌊>	Rh	103	267590	262597	5127	2.0	262597.073965		ug/L
	Br	79	3	4	1	34.6	1.666667		ug/L
	Cl	35	628	535	22	4.1	-93.339291		ug/L
	C	13	2530	2312	191	8.3	-217.557170		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.134
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICV1

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:15:00
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 101

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICV1.016
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	8236	2853	34.6	0.031025	**4.8943**	ug/L
│	Se	78	5	1318	446	33.8	0.004954	**9.9183**	ug/L
│	Se	77	3	410	143	34.8	0.001536	**10.1792**	ug/L
└>	Rh	103	267590	264634	2326	0.9	264634.150816		ug/L
	Br	79	3	6	1	24.7	3.333335		ug/L
	Cl	35	628	560	14	2.5	-68.337795		ug/L
	C	13	2530	2392	103	4.3	-137.537423		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	98.895
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL1

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:16:29
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 102

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-IBL1.017
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	28	5	16.7	0.000070	**0.0088**	ug/L
│	Se	78	5	12	1	6.6	0.000028	**0.0566**	ug/L
│	Se	77	3	3	1	15.4	0.000002	**0.0464**	ug/L
└>	Rh	103	267590	264552	2001	0.8	264551.754666		ug/L
	Br	79	3	5	3	50.0	2.500001		ug/L
	Cl	35	628	586	6	1.1	-42.502840		ug/L
	C	13	2530	2444	74	3.0	-85.023644		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	98.864
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL2

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:17:56
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 103

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-IBL2.018
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	21	3	14.3	0.000043	**0.0046**	ug/L
│	Se	78	5	11	1	10.4	0.000025	**0.0503**	ug/L
│	Se	77	3	4	1	17.6	0.000003	**0.0559**	ug/L
└>	Rh	103	267590	260855	870	0.3	260855.431067		ug/L
	Br	79	3	4	3	69.3	1.666667		ug/L
	Cl	35	628	555	30	5.5	-73.338075		ug/L
	C	13	2530	2399	43	1.8	-130.035770		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	97.483
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL3

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:19:24
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 104

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-IBL3.019
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	18	3	14.7	0.000032	**0.0028**	ug/L
│	Se	78	5	9	1	5.8	0.000015	**0.0313**	ug/L
│	Se	77	3	2	1	63.5	-0.000002	**0.0204**	ug/L
└>	Rh	103	267590	260456	2721	1.0	260456.123776		ug/L
	Br	79	3	7	7	108.3	4.166670		ug/L
	Cl	35	628	522	45	8.6	-106.673343		ug/L
	C	13	2530	2243	70	3.1	-286.742325		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	97.334
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL4

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:20:52
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 105

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-IBL4.020
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	18	1	3.3	0.000029	**0.0024**	ug/L
|	Se	78	5	8	3	35.0	0.000013	**0.0276**	ug/L
|	Se	77	3	2	1	39.2	-0.000001	**0.0255**	ug/L
⌊>	Rh	103	267590	264462	1115	0.4	264462.448226		ug/L
	Br	79	3	3	4	114.6	0.833334		ug/L
	Cl	35	628	564	35	6.2	-64.170833		ug/L
	C	13	2530	2403	61	2.5	-126.701488		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.831
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV1

Sample Description: 5x

Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:22:20
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 106

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-SCV1.021
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	19998	6744	33.7	0.075685	**59.7141**	ug/L
│	Se	78	5	346	111	32.1	0.001290	**12.9198**	ug/L
│	Se	77	3	101	36	36.1	0.000371	**12.4136**	ug/L
└>	Rh	103	267590	264773	3088	1.2	264773.259343		ug/L
	Br	79	3	5	3	50.0	2.500001		ug/L
	Cl	35	628	598	48	8.0	-30.835332		ug/L
	C	13	2530	2355	104	4.4	-174.213657		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	98.947
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV1

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:23:49
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCV1.022
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	1747	636	36.4	0.006450	**1.0157**	ug/L
│	Se	78	5	141	45	31.7	0.000504	**1.0100**	ug/L
│	Se	77	3	46	14	31.1	0.000158	**1.0814**	ug/L
└>	Rh	103	267590	268356	4263	1.6	268355.502150		ug/L
	Br	79	3	3	6	173.2	0.833335		ug/L
	Cl	35	628	565	35	6.1	-63.337449		ug/L
	C	13	2530	2434	19	0.8	-95.026518		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	100.286
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB1

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:25:17
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCB1.023
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	15	5	32.2	0.000018	**0.0006**	ug/L
│	Se	78	5	7	1	11.9	0.000007	**0.0147**	ug/L
│	Se	77	3	2	0	12.5	-0.000003	**0.0149**	ug/L
└>	Rh	103	267590	266018	3258	1.2	266018.022480		ug/L
	Br	79	3	3	3	86.6	0.833334		ug/L
	Cl	35	628	568	18	3.1	-60.837326		ug/L
	C	13	2530	2370	39	1.7	-159.210099		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	99.412
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-BLK1

Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:26:46
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 242

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-BLK1.024
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	10	4	39.1	0.000002	**-0.0187**	ug/L
|	Se	78	5	8	2	19.7	0.000011	**0.2314**	ug/L
|	Se	77	3	1	1	39.0	-0.000005	**-0.0088**	ug/L
⌊>	Rh	103	267590	259567	2512	1.0	259567.024651		ug/L
	Br	79	3	13	6	47.2	10.833344		ug/L
	Cl	35	628	582	14	2.4	-46.669768		ug/L
	C	13	2530	2315	64	2.8	-214.224181		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	97.002
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-BLK2

Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:28:14
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 243

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-BLK2.025
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	6	1	18.2	-0.000013	**-0.0431**	ug/L
│	Se	78	5	7	1	17.0	0.000008	**0.1638**	ug/L
│	Se	77	3	2	0	18.3	-0.000003	**0.1800**	ug/L
└>	Rh	103	267590	260704	2542	1.0	260703.875785		ug/L
	Br	79	3	17	10	60.6	14.166685		ug/L
	Cl	35	628	516	69	13.5	-112.506906		ug/L
	C	13	2530	2334	144	6.2	-195.885545		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	97.426
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-BLK3

Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:29:42
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 244

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-BLK3.026
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	9	6	67.6	-0.000004	**-0.0294**	ug/L
│	Se	78	5	8	0	6.2	0.000012	**0.2427**	ug/L
│	Se	77	3	3	1	26.5	-0.000001	**0.2804**	ug/L
└>	Rh	103	267590	262407	2082	0.8	262406.757494		ug/L
	Br	79	3	17	6	37.7	14.166683		ug/L
	Cl	35	628	586	53	9.1	-42.502736		ug/L
	C	13	2530	2369	125	5.3	-160.043137		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	98.063
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-BLK4

Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:31:10
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 245

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-BLK4.027
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	4	2	53.3	-0.000021	**-0.0552**	ug/L
│	Se	78	5	8	3	31.0	0.000013	**0.2712**	ug/L
│	Se	77	3	4	1	18.9	0.000003	**0.5358**	ug/L
└>	Rh	103	267590	261527	351	0.1	261526.789782		ug/L
	Br	79	3	18	6	31.5	15.833352		ug/L
	Cl	35	628	586	42	7.2	-42.502777		ug/L
	C	13	2530	2464	30	1.2	-65.851973		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	97.734
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-BS1
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:32:38
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 246

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-BS1.028
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	20433	6842	33.5	0.077455	**122.2211**	ug/L
|	Se	78	5	249	80	32.2	0.000926	**18.5436**	ug/L
|	Se	77	3	78	23	29.0	0.000287	**19.2901**	ug/L
⌊>	Rh	103	267590	263472	2781	1.1	263472.032291		ug/L
	Br	79	3	19	4	19.9	16.666687		ug/L
	Cl	35	628	566	33	5.9	-62.504068		ug/L
	C	13	2530	2417	28	1.2	-112.531172		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.461
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-SRM1

Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:34:05
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 247

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-SRM1.029
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	7029	2391	34.0	0.027132	**42.7991**	ug/L
|	Se	78	5	303	107	35.1	0.001153	**23.0935**	ug/L
|	Se	77	3	93	29	31.5	0.000350	**23.4940**	ug/L
⌊>	Rh	103	267590	259174	2063	0.8	259174.316910		ug/L
	Br	79	3	140	39	28.1	137.501134		ug/L
	Cl	35	628	553	38	6.8	-75.004826		ug/L
	C	13	2530	2310	66	2.9	-219.225442		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.855
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-SRM2

Sample Description: 10x

Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:35:33
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 248

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-SRM2.030
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	69326	23334	33.7	0.266391	**420.4119**	ug/L
│	Se	78	5	909	300	33.0	0.003474	**69.5505**	ug/L
│	Se	77	3	269	90	33.4	0.001025	**68.0116**	ug/L
└>	Rh	103	267590	260198	539	0.2	260197.799113		ug/L
	Br	79	3	853	138	16.1	850.040667		ug/L
	Cl	35	628	561	18	3.1	-67.504407		ug/L
	C	13	2530	2381	118	5.0	-148.373480		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	97.237
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-01
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:37:01
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 249

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-01.031
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	1614	575	35.6	0.006327	**9.9629**	ug/L
|	Se	78	5	77	23	30.7	0.000283	**5.6756**	ug/L
|	Se	77	3	21	6	30.7	0.000072	**5.1386**	ug/L
⌊>	Rh	103	267590	254012	2079	0.8	254011.629012		ug/L
	Br	79	3	338	113	33.3	335.840094		ug/L
	Cl	35	628	624	47	7.5	-4.166876		ug/L
	C	13	2530	2461	179	7.3	-68.351504		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	94.926
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-DUP1

Sample Description: 10x

Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:38:29
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 250

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-DUP1.032
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	1557	503	32.3	0.006140	**9.6677**	ug/L
│	Se	78	5	69	16	23.4	0.000256	**5.1226**	ug/L
│	Se	77	3	18	5	28.0	0.000062	**4.4760**	ug/L
└>	Rh	103	267590	252556	2300	0.9	252556.109098		ug/L
	Br	79	3	348	101	28.9	345.840378		ug/L
	Cl	35	628	569	8	1.3	-59.170564		ug/L
	C	13	2530	2304	86	3.7	-225.060144		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.382
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV2

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:39:58
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCV2.033
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	1767	616	34.9	0.006607	**1.0405**	ug/L
│	Se	78	5	149	53	35.3	0.000543	**1.0870**	ug/L
│	Se	77	3	46	14	31.7	0.000161	**1.0953**	ug/L
└>	Rh	103	267590	265462	2285	0.9	265461.927220		ug/L
	Br	79	3	15	3	16.7	12.500012		ug/L
	Cl	35	628	599	33	5.4	-29.168600		ug/L
	C	13	2530	2457	51	2.1	-72.520381		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	99.205
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB2

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:41:26
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCB2.034
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	7	2	31.5	-0.000010	**-0.0038**	ug/L
|	Se	78	5	8	1	15.1	0.000013	**0.0265**	ug/L
|	Se	77	3	2	1	34.3	-0.000004	**0.0110**	ug/L
⌊>	Rh	103	267590	263904	2013	0.8	263904.170114		ug/L
	Br	79	3	14	8	56.7	11.666680		ug/L
	Cl	35	628	608	51	8.4	-20.834658		ug/L
	C	13	2530	2266	52	2.3	-263.403286		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.622
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-MS1

Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:42:55
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 251

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-MS1.035
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	21540	6940	32.2	0.086708	**136.8246**	ug/L
│	Se	78	5	294	95	32.2	0.001166	**23.3483**	ug/L
│	Se	77	3	92	30	32.3	0.000359	**24.0533**	ug/L
└>	Rh	103	267590	249377	4946	2.0	249377.484473		ug/L
	Br	79	3	341	70	20.6	338.339902		ug/L
	Cl	35	628	615	36	5.9	-13.334200		ug/L
	C	13	2530	2259	145	6.4	-270.070945		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	93.194
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-MSD1

Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:44:23
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 252

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-MSD1.036
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	21463	7025	32.7	0.086310	**136.1971**	ug/L
│	Se	78	5	297	92	31.1	0.001175	**23.5273**	ug/L
│	Se	77	3	89	29	32.3	0.000348	**23.3564**	ug/L
└>	Rh	103	267590	249586	4754	1.9	249585.512507		ug/L
	Br	79	3	304	55	18.0	301.671865		ug/L
	Cl	35	628	573	18	3.1	-55.837012		ug/L
	C	13	2530	2299	59	2.6	-230.895100		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	93.272
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-02
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:45:51
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 253

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-02.037
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	1770	592	33.5	0.006901	**10.8686**	ug/L
│	Se	78	5	75	21	28.3	0.000276	**5.5388**	ug/L
│	Se	77	3	21	6	30.0	0.000072	**5.0842**	ug/L
└>	Rh	103	267590	255791	4189	1.6	255790.955084		ug/L
	Br	79	3	289	88	30.5	286.671550		ug/L
	Cl	35	628	577	48	8.4	-51.670008		ug/L
	C	13	2530	2464	130	5.3	-65.851386		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	95.591
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-03
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:47:19
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 254

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-03.038
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	2045	704	34.4	0.007987	**12.5828**	ug/L
│	Se	78	5	106	32	30.1	0.000396	**7.9396**	ug/L
│	Se	77	3	30	11	35.9	0.000109	**7.5360**	ug/L
└>	Rh	103	267590	255367	2838	1.1	255367.290243		ug/L
	Br	79	3	354	86	24.2	351.673834		ug/L
	Cl	35	628	613	47	7.6	-15.834337		ug/L
	C	13	2530	2552	66	2.6	22.505858		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	95.432
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-04
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:48:47
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 255

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-04.039
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	3215	1116	34.7	0.012501	**19.7074**	ug/L
|	Se	78	5	121	33	27.1	0.000451	**9.0419**	ug/L
|	Se	77	3	36	9	25.0	0.000131	**9.0037**	ug/L
⌊>	Rh	103	267590	256951	2300	0.9	256950.889180		ug/L
	Br	79	3	342	81	23.8	339.173329		ug/L
	Cl	35	628	611	21	3.5	-17.501179		ug/L
	C	13	2530	2445	100	4.1	-84.189924		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.024
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-05
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:50:15
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 256

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-05.040
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	2069	713	34.4	0.008133	**12.8135**	ug/L
│	Se	78	5	108	37	34.1	0.000406	**8.1442**	ug/L
│	Se	77	3	32	9	28.8	0.000115	**7.9257**	ug/L
└>	Rh	103	267590	254076	3664	1.4	254076.216818		ug/L
	Br	79	3	339	82	24.3	336.673242		ug/L
	Cl	35	628	597	46	7.7	-31.668725		ug/L
	C	13	2530	2385	110	4.6	-144.205788		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.950
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-06
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:51:43
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 257

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-06.041
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	1248	393	31.5	0.004902	**7.7149**	ug/L
│	Se	78	5	68	15	21.6	0.000249	**4.9831**	ug/L
│	Se	77	3	22	7	31.7	0.000077	**5.4228**	ug/L
└>	Rh	103	267590	253665	5061	2.0	253664.552514		ug/L
	Br	79	3	358	68	18.9	355.840564		ug/L
	Cl	35	628	638	55	8.6	10.000804		ug/L
	C	13	2530	2382	64	2.7	-147.540291		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.796
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-07
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:53:10
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 258

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-07.042
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	2970	948	31.9	0.011582	**18.2562**	ug/L
|	Se	78	5	108	33	31.1	0.000402	**8.0582**	ug/L
|	Se	77	3	32	10	32.1	0.000115	**7.9186**	ug/L
⌊>	Rh	103	267590	255855	1026	0.4	255854.629584		ug/L
	Br	79	3	406	77	19.1	403.342611		ug/L
	Cl	35	628	638	21	3.3	10.000710		ug/L
	C	13	2530	2470	66	2.7	-59.183369		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	95.614
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-08
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:54:38
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 259

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-08.043
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	857	286	33.4	0.003323	**5.2221**	ug/L
│	Se	78	5	78	21	27.2	0.000287	**5.7435**	ug/L
│	Se	77	3	22	6	26.9	0.000077	**5.4520**	ug/L
└>	Rh	103	267590	256057	4754	1.9	256056.794446		ug/L
	Br	79	3	331	101	30.4	328.339724		ug/L
	Cl	35	628	573	31	5.4	-55.003603		ug/L
	C	13	2530	2475	67	2.7	-55.015567		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	95.690
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-09
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 15:56:06
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 260

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-09.044
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	6851	2238	32.7	0.026770	**42.2282**	ug/L
│	Se	78	5	21	3	12.5	0.000063	**1.2688**	ug/L
│	Se	77	3	7	1	17.0	0.000018	**1.5642**	ug/L
└>	Rh	103	267590	256873	5900	2.3	256873.107698		ug/L
	Br	79	3	31903	7642	24.0	31900.511794		ug/L
	Cl	35	628	528	9	1.7	-100.006362		ug/L
	C	13	2530	2253	52	2.3	-276.739934		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	95.995
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV3

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:57:35
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCV3.045
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	1800	628	34.9	0.006657	**1.0484**	ug/L
│	Se	78	5	146	45	30.9	0.000525	**1.0513**	ug/L
│	Se	77	3	45	11	25.0	0.000158	**1.0800**	ug/L
└>	Rh	103	267590	267578	6814	2.5	267578.246357		ug/L
	Br	79	3	513	209	40.8	510.016047		ug/L
	Cl	35	628	626	40	6.4	-2.500116		ug/L
	C	13	2530	2551	62	2.4	21.672269		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	99.995
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB3

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 15:59:03
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCB3.046
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	8	2	25.0	-0.000006	**-0.0032**	ug/L
│	Se	78	5	6	1	22.4	0.000005	**0.0115**	ug/L
│	Se	77	3	2	1	48.2	-0.000004	**0.0065**	ug/L
└>	Rh	103	267590	266913	1858	0.7	266913.451189		ug/L
	Br	79	3	127	45	35.6	124.167623		ug/L
	Cl	35	628	632	26	4.1	3.333586		ug/L
	C	13	2530	2569	66	2.6	39.177217		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	99.747
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-10
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:00:36
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 301

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-10.047
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	4728	1606	34.0	0.017910	**28.2440**	ug/L
|	Se	78	5	14	3	24.7	0.000033	**0.6686**	ug/L
|	Se	77	3	6	1	11.3	0.000011	**1.0480**	ug/L
⌊>	Rh	103	267590	264048	2790	1.1	264048.399713		ug/L
	Br	79	3	38356	9013	23.5	38353.706471		ug/L
	Cl	35	628	595	80	13.5	-33.335343		ug/L
	C	13	2530	2485	26	1.1	-44.179416		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.676
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-11
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:02:04
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 302

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-11.048
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	4464	1460	32.7	0.017062	**26.9063**	ug/L
|	Se	78	5	16	5	31.9	0.000042	**0.8501**	ug/L
|	Se	77	3	6	2	35.5	0.000010	**1.0419**	ug/L
⌊>	Rh	103	267590	261795	3408	1.3	261794.742386		ug/L
	Br	79	3	40002	9905	24.8	39999.724814		ug/L
	Cl	35	628	551	33	5.9	-77.504990		ug/L
	C	13	2530	2374	39	1.6	-155.875897		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	97.834
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-DUP2

Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:03:32
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 303

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-DUP2.049
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	3857	1260	32.7	0.014369	**22.6548**	ug/L
│	Se	78	5	18	1	8.4	0.000047	**0.9486**	ug/L
│	Se	77	3	5	1	18.3	0.000009	**0.9244**	ug/L
└>	Rh	103	267590	268277	2569	1.0	268276.995805		ug/L
	Br	79	3	41528	9739	23.5	41525.591141		ug/L
	Cl	35	628	598	60	10.1	-30.835283		ug/L
	C	13	2530	2540	56	2.2	10.835877		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	100.257
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-MS2

Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:05:00
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 304

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-MS2.050
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	24686	7934	32.1	0.097105	**153.2347**	ug/L
│	Se	78	5	250	77	30.7	0.000964	**19.3104**	ug/L
│	Se	77	3	79	26	33.2	0.000301	**20.2031**	ug/L
└>	Rh	103	267590	255033	4143	1.6	255032.575094		ug/L
	Br	79	3	34401	8051	23.4	34398.161350		ug/L
	Cl	35	628	562	32	5.7	-66.670996		ug/L
	C	13	2530	2485	61	2.4	-44.179306		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	95.307
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-MSD2

Sample Description: 10x

Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:06:28
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 305

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-MSD2.051
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	25276	8352	33.0	0.092970	**146.7090**	ug/L
│	Se	78	5	274	93	34.0	0.000990	**19.8362**	ug/L
│	Se	77	3	80	30	37.2	0.000285	**19.1794**	ug/L
└>	Rh	103	267590	272294	2791	1.0	272293.853013		ug/L
	Br	79	3	41633	9694	23.3	41630.202291		ug/L
	Cl	35	628	637	55	8.6	8.334021		ug/L
	C	13	2530	2720	196	7.2	190.055676		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	101.758
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-12
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:07:56
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 306

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-12.052
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	4079	1406	34.5	0.014934	**23.5481**	ug/L
|	Se	78	5	15	2	11.3	0.000036	**0.7179**	ug/L
|	Se	77	3	5	1	28.0	0.000008	**0.8834**	ug/L
⌊>	Rh	103	267590	273071	2603	1.0	273070.773798		ug/L
	Br	79	3	54705	12323	22.5	54702.119550		ug/L
	Cl	35	628	631	53	8.4	2.500272		ug/L
	C	13	2530	2538	39	1.5	8.335121		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	102.048
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-13
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:09:24
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 307

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-13.053
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	4431	1471	33.2	0.018232	**28.7519**	ug/L
│	Se	78	5	24	4	17.9	0.000079	**1.5801**	ug/L
│	Se	77	3	9	2	19.9	0.000026	**2.0474**	ug/L
└>	Rh	103	267590	244364	7616	3.1	244363.566693		ug/L
	Br	79	3	22047	5007	22.7	22044.283503		ug/L
	Cl	35	628	519	23	4.4	-109.173541		ug/L
	C	13	2530	2193	21	1.0	-336.754688		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	91.320
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-14
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:10:52
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 308

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-14.054
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	3535	1257	35.5	0.013361	**21.0646**	ug/L
|	Se	78	5	13	3	20.7	0.000032	**0.6402**	ug/L
|	Se	77	3	5	2	40.9	0.000007	**0.7971**	ug/L
⌊>	Rh	103	267590	264189	2564	1.0	264189.022066		ug/L
	Br	79	3	32693	7506	23.0	32690.736448		ug/L
	Cl	35	628	593	23	3.9	-35.835723		ug/L
	C	13	2530	2414	99	4.1	-115.031504		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.729
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-15
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:12:19
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 309

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-15.055
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	3430	1147	33.5	0.012879	**20.3045**	ug/L
|	Se	78	5	15	2	17.1	0.000036	**0.7301**	ug/L
|	Se	77	3	3	1	29.6	0.000002	**0.5017**	ug/L
⌊>	Rh	103	267590	265688	2306	0.9	265688.404607		ug/L
	Br	79	3	40902	9309	22.8	40899.129106		ug/L
	Cl	35	628	655	25	3.9	26.668570		ug/L
	C	13	2530	2561	104	4.1	31.675338		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	99.289
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-16
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:13:47
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 310

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-16.056
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	3738	1316	35.2	0.014046	**22.1454**	ug/L
|	Se	78	5	14	1	4.7	0.000034	**0.6836**	ug/L
|	Se	77	3	5	2	48.2	0.000007	**0.8336**	ug/L
⌊>	Rh	103	267590	266171	3319	1.2	266170.743715		ug/L
	Br	79	3	39142	9655	24.7	39139.146596		ug/L
	Cl	35	628	630	24	3.8	1.666800		ug/L
	C	13	2530	2505	111	4.4	-24.173501		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	99.469
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV4

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 16:15:17
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCV4.057
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	1704	636	37.3	0.006314	**0.9942**	ug/L
│	Se	78	5	142	53	37.5	0.000510	**1.0224**	ug/L
│	Se	77	3	43	14	32.3	0.000148	**1.0139**	ug/L
└>	Rh	103	267590	267448	3850	1.4	267447.541113		ug/L
	Br	79	3	808	292	36.2	805.872404		ug/L
	Cl	35	628	543	34	6.3	-85.838820		ug/L
	C	13	2530	2362	22	0.9	-167.545639		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	99.947
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB4

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 16:16:47
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCB4.058
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	5	4	72.1	-0.000018	**-0.0051**	ug/L
|	Se	78	5	7	0	7.1	0.000008	**0.0175**	ug/L
|	Se	77	3	2	0	16.4	-0.000002	**0.0242**	ug/L
⌊>	Rh	103	267590	261265	710	0.3	261265.276154		ug/L
	Br	79	3	298	28	9.5	295.004897		ug/L
	Cl	35	628	636	23	3.6	7.500538		ug/L
	C	13	2530	2515	118	4.7	-15.004239		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	97.636
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-17
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:18:16
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 311

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-17.059
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	3780	1246	33.0	0.014602	**23.0235**	ug/L
|	Se	78	5	13	3	23.1	0.000030	**0.6041**	ug/L
|	Se	77	3	5	2	42.7	0.000009	**0.9303**	ug/L
⌊>	Rh	103	267590	258888	3080	1.2	258888.185508		ug/L
	Br	79	3	42195	9715	23.0	42192.802355		ug/L
	Cl	35	628	659	28	4.3	30.835544		ug/L
	C	13	2530	2528	61	2.4	-1.667584		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.748
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-18
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:19:44
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 312

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-18.060
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	2630	937	35.6	0.009825	**15.4832**	ug/L
│	Se	78	5	10	2	18.9	0.000018	**0.3626**	ug/L
│	Se	77	3	4	1	24.0	0.000006	**0.7218**	ug/L
└>	Rh	103	267590	267124	2809	1.1	267123.819072		ug/L
	Br	79	3	25327	6278	24.8	25324.169500		ug/L
	Cl	35	628	603	49	8.1	-25.001608		ug/L
	C	13	2530	2495	126	5.0	-34.176122		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	99.826
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-19
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:21:12
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 313

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411043-19.061
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	5059	1705	33.7	0.021355	**33.6818**	ug/L
│	Se	78	5	21	4	20.8	0.000069	**1.3977**	ug/L
│	Se	77	3	9	2	25.4	0.000026	**2.0909**	ug/L
└>	Rh	103	267590	238110	6851	2.9	238110.491800		ug/L
	Br	79	3	15176	3204	21.1	15173.031185		ug/L
	Cl	35	628	548	9	1.6	-80.838561		ug/L
	C	13	2530	2181	106	4.9	-348.423768		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	88.983
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411044-01
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:22:40
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 314

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411044-01.062
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	3806	1325	34.8	0.014335	**22.6024**	ug/L
|	Se	78	5	313	113	36.2	0.001165	**23.3288**	ug/L
|	Se	77	3	91	30	33.5	0.000332	**22.2662**	ug/L
⌊>	Rh	103	267590	264685	395	0.1	264685.427135		ug/L
	Br	79	3	530	84	15.8	527.515707		ug/L
	Cl	35	628	596	33	5.5	-32.502152		ug/L
	C	13	2530	2527	110	4.4	-2.500842		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.914
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411044-02
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:24:08
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 315

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411044-02.063
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	1742	609	35.0	0.006766	**10.6565**	ug/L
│	Se	78	5	144	45	31.2	0.000543	**10.8809**	ug/L
│	Se	77	3	43	11	25.0	0.000158	**10.7998**	ug/L
└>	Rh	103	267590	256598	2255	0.9	256597.782440		ug/L
	Br	79	3	254	58	22.6	251.670340		ug/L
	Cl	35	628	624	38	6.0	-4.166905		ug/L
	C	13	2530	2568	37	1.5	38.343540		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	95.892
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-DUP3

Sample Description: 10x

Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:25:36
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 316

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-DUP3.064
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	1576	468	29.7	0.006203	**9.7669**	ug/L
│	Se	78	5	140	47	33.3	0.000537	**10.7578**	ug/L
│	Se	77	3	43	17	38.7	0.000159	**10.8776**	ug/L
└>	Rh	103	267590	252800	1496	0.6	252800.145835		ug/L
	Br	79	3	171	19	11.1	168.334951		ug/L
	Cl	35	628	604	52	8.5	-24.168210		ug/L
	C	13	2530	2505	86	3.4	-25.007241		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.473
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-MS3

Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:27:04
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 317

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-MS3.065
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	21521	7281	33.8	0.084740	**133.7198**	ug/L
│	Se	78	5	378	125	33.0	0.001471	**29.4464**	ug/L
│	Se	77	3	109	40	36.2	0.000419	**28.0540**	ug/L
└>	Rh	103	267590	254101	1114	0.4	254101.479940		ug/L
	Br	79	3	166	56	33.7	163.334960		ug/L
	Cl	35	628	623	23	3.7	-5.000327		ug/L
	C	13	2530	2623	153	5.8	93.360051		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.959
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-MSD3

Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:28:31
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 318

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-MSD3.066
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	21205	7283	34.3	0.083656	**132.0089**	ug/L
│	Se	78	5	372	129	34.7	0.001449	**29.0069**	ug/L
│	Se	77	3	110	38	34.6	0.000422	**28.1903**	ug/L
└>	Rh	103	267590	253485	1234	0.5	253484.622888		ug/L
	Br	79	3	159	19	11.8	156.668072		ug/L
	Cl	35	628	595	29	4.8	-33.335549		ug/L
	C	13	2530	2475	41	1.6	-55.015669		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.729
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411044-03
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:29:59
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 319

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411044-03.067
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	8443	2949	34.9	0.034035	**53.6938**	ug/L
│	Se	78	5	184	54	29.6	0.000723	**14.4902**	ug/L
│	Se	77	3	61	21	33.8	0.000235	**15.8458**	ug/L
└>	Rh	103	267590	248305	3303	1.3	248304.907096		ug/L
	Br	79	3	136	28	20.3	133.334375		ug/L
	Cl	35	628	563	34	6.0	-65.837606		ug/L
	C	13	2530	2362	115	4.9	-167.545176		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	92.793
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411044-04
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:31:27
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 320

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411044-04.068
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	5060	1754	34.7	0.019554	**30.8390**	ug/L
|	Se	78	5	88	31	35.8	0.000320	**6.4216**	ug/L
|	Se	77	3	25	4	16.0	0.000085	**5.9798**	ug/L
⌊>	Rh	103	267590	258338	394	0.2	258337.520500		ug/L
	Br	79	3	147	38	26.2	144.167903		ug/L
	Cl	35	628	642	33	5.1	13.334302		ug/L
	C	13	2530	2682	118	4.4	152.543636		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.542
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV5

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 16:32:56
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCV5.069
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	1647	563	34.2	0.006305	**0.9928**	ug/L
|	Se	78	5	141	51	35.9	0.000524	**1.0503**	ug/L
|	Se	77	3	47	12	26.4	0.000169	**1.1512**	ug/L
⌊>	Rh	103	267590	258509	5403	2.1	258509.151402		ug/L
	Br	79	3	53	12	22.2	50.833494		ug/L
	Cl	35	628	604	36	5.9	-24.168261		ug/L
	C	13	2530	2570	115	4.5	40.844679		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.606
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB5

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 16:34:25
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCB5.070
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	10	4	39.1	0.000003	**-0.0018**	ug/L
|	Se	78	5	7	0	5.9	0.000007	**0.0144**	ug/L
|	Se	77	3	4	1	37.8	0.000003	**0.0552**	ug/L
⌊>	Rh	103	267590	257760	3931	1.5	257760.350504		ug/L
	Br	79	3	36	7	20.1	33.333405		ug/L
	Cl	35	628	554	42	7.6	-74.171429		ug/L
	C	13	2530	2531	75	3.0	1.666746		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.326
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411044-05
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:35:54
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 321

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411044-05.071
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	3589	1157	32.2	0.014424	**22.7428**	ug/L
|	Se	78	5	96	31	32.1	0.000370	**7.4100**	ug/L
|	Se	77	3	28	6	22.8	0.000104	**7.2026**	ug/L
⌊>	Rh	103	267590	249581	6352	2.5	249581.016094		ug/L
	Br	79	3	148	31	20.9	145.834578		ug/L
	Cl	35	628	570	9	1.6	-58.337178		ug/L
	C	13	2530	2535	71	2.8	5.834553		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	93.270
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411044-06
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:37:22
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 322

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411044-06.072
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	6787	2236	32.9	0.026234	**41.3812**	ug/L
|	Se	78	5	82	24	29.2	0.000298	**5.9724**	ug/L
|	Se	77	3	23	8	36.4	0.000079	**5.5509**	ug/L
⌊>	Rh	103	267590	258602	1281	0.5	258601.590188		ug/L
	Br	79	3	94	19	19.9	91.667167		ug/L
	Cl	35	628	615	28	4.6	-13.334219		ug/L
	C	13	2530	2512	131	5.2	-17.504812		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.641
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411044-07
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:38:50
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 323

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411044-07.073
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	4730	1531	32.4	0.018453	**29.1008**	ug/L
|	Se	78	5	89	24	27.4	0.000329	**6.5961**	ug/L
|	Se	77	3	29	7	24.9	0.000102	**7.0948**	ug/L
⌊>	Rh	103	267590	255904	440	0.2	255904.301859		ug/L
	Br	79	3	102	17	16.4	99.167245		ug/L
	Cl	35	628	665	26	4.0	36.669298		ug/L
	C	13	2530	2675	84	3.2	145.874753		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	95.633
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411044-08
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:40:18
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 324

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411044-08.074
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	6117	2093	34.2	0.024128	**38.0579**	ug/L
│	Se	78	5	107	27	24.9	0.000403	**8.0763**	ug/L
│	Se	77	3	32	10	30.0	0.000115	**7.9309**	ug/L
└>	Rh	103	267590	253948	3722	1.5	253947.715507		ug/L
	Br	79	3	90	35	39.4	87.500491		ug/L
	Cl	35	628	537	37	7.0	-91.672492		ug/L
	C	13	2530	2525	89	3.5	-4.168127		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.902
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411044-09
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:41:46
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 325

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411044-09.075
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	4086	1403	34.3	0.016133	**25.4403**	ug/L
│	Se	78	5	235	79	33.5	0.000913	**18.2774**	ug/L
│	Se	77	3	75	21	28.0	0.000285	**19.1620**	ug/L
└>	Rh	103	267590	253186	2332	0.9	253185.770058		ug/L
	Br	79	3	168	30	18.1	165.001576		ug/L
	Cl	35	628	597	55	9.2	-31.668693		ug/L
	C	13	2530	2316	33	1.4	-213.390746		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.617
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411044-10
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:43:13
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 326

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411044-10.076
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	1630	563	34.5	0.006320	**9.9516**	ug/L
│	Se	78	5	116	39	33.5	0.000435	**8.7074**	ug/L
│	Se	77	3	33	10	30.8	0.000119	**8.2142**	ug/L
└>	Rh	103	267590	256587	1108	0.4	256586.501707		ug/L
	Br	79	3	93	21	22.8	90.833828		ug/L
	Cl	35	628	607	36	5.9	-21.668095		ug/L
	C	13	2530	2615	116	4.4	85.857524		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	95.888
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411044-11
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:44:41
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 327

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411044-11.077
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	7798	2605	33.4	0.030553	**48.1984**	ug/L
│	Se	78	5	147	51	34.3	0.000559	**11.2065**	ug/L
│	Se	77	3	45	15	33.9	0.000164	**11.2027**	ug/L
└>	Rh	103	267590	255638	3179	1.2	255638.150615		ug/L
	Br	79	3	93	22	23.4	90.000487		ug/L
	Cl	35	628	638	32	5.0	10.000731		ug/L
	C	13	2530	2675	69	2.6	145.041088		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	95.533
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV6

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 16:46:10
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCV6.078
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	8107	2915	36.0	0.031017	**4.8931**	ug/L
|	Se	78	5	684	247	36.1	0.002604	**5.2129**	ug/L
|	Se	77	3	201	61	30.2	0.000761	**5.0577**	ug/L
⌊>	Rh	103	267590	260681	1548	0.6	260680.578946		ug/L
	Br	79	3	25	4	17.3	22.500034		ug/L
	Cl	35	628	578	10	1.7	-50.836704		ug/L
	C	13	2530	2515	44	1.8	-15.004682		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	97.418
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB6

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 16:47:38
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCB6.079
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	14	7	48.7	0.000016	**0.0002**	ug/L
|	Se	78	5	9	2	21.3	0.000015	**0.0315**	ug/L
|	Se	77	3	2	1	29.0	-0.000002	**0.0205**	ug/L
⌊>	Rh	103	267590	259115	3254	1.3	259115.394881		ug/L
	Br	79	3	16	1	9.1	13.333347		ug/L
	Cl	35	628	558	55	9.9	-70.004460		ug/L
	C	13	2530	2609	172	6.6	79.189540		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.833
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411044-12
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:49:07
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 328

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411044-12.080
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	9703	3227	33.3	0.038532	**60.7917**	ug/L
│	Se	78	5	203	61	29.9	0.000789	**15.8052**	ug/L
│	Se	77	3	58	20	34.0	0.000221	**14.9654**	ug/L
└>	Rh	103	267590	251860	1474	0.6	251859.570198		ug/L
	Br	79	3	165	38	23.3	162.501551		ug/L
	Cl	35	628	603	34	5.7	-25.835042		ug/L
	C	13	2530	2515	29	1.1	-14.171159		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.121
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-DUP4

Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:50:35
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 329

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-DUP4.081
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	9595	3226	33.6	0.038044	**60.0208**	ug/L
│	Se	78	5	211	67	31.6	0.000818	**16.3881**	ug/L
│	Se	77	3	60	17	29.1	0.000227	**15.3717**	ug/L
└>	Rh	103	267590	252271	1685	0.7	252270.762115		ug/L
	Br	79	3	162	38	23.2	159.168155		ug/L
	Cl	35	628	602	23	3.8	-26.668455		ug/L
	C	13	2530	2513	108	4.3	-16.671453		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.275
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-MS4

Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:52:03
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 330

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-MS4.082
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	24596	8394	34.1	0.096287	**151.9439**	ug/L
│	Se	78	5	374	123	32.9	0.001445	**28.9278**	ug/L
│	Se	77	3	110	33	29.9	0.000421	**28.1670**	ug/L
└>	Rh	103	267590	255235	506	0.2	255235.045535		ug/L
	Br	79	3	116	42	35.9	113.334134		ug/L
	Cl	35	628	659	34	5.1	30.835556		ug/L
	C	13	2530	2658	112	4.2	128.369821		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	95.383
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140479-MSD4

Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:53:31
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 331

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\B140479-MSD4.083
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	28948	9649	33.3	0.112225	**177.0979**	ug/L
|	Se	78	5	415	128	30.8	0.001591	**31.8607**	ug/L
|	Se	77	3	129	42	32.9	0.000489	**32.6679**	ug/L
⌊>	Rh	103	267590	257956	785	0.3	257956.098839		ug/L
	Br	79	3	133	15	11.5	130.000974		ug/L
	Cl	35	628	607	65	10.7	-21.667987		ug/L
	C	13	2530	2625	62	2.4	95.860056		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.400
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411044-13
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:54:58
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 332

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411044-13.084
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	3425	1084	31.6	0.013401	**21.1271**	ug/L
|	Se	78	5	113	34	30.2	0.000425	**8.5068**	ug/L
|	Se	77	3	34	9	27.9	0.000123	**8.4420**	ug/L
⌊>	Rh	103	267590	255200	2102	0.8	255200.063466		ug/L
	Br	79	3	83	8	9.6	80.833717		ug/L
	Cl	35	628	578	24	4.1	-50.836687		ug/L
	C	13	2530	2459	111	4.5	-70.019346		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	95.370
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411044-14
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:56:26
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 333

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411044-14.085
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	4411	1498	34.0	0.017127	**27.0092**	ug/L
|	Se	78	5	102	35	34.7	0.000379	**7.5979**	ug/L
|	Se	77	3	29	9	29.9	0.000103	**7.1236**	ug/L
⌊>	Rh	103	267590	257276	1251	0.5	257275.583543		ug/L
	Br	79	3	87	13	14.5	84.167085		ug/L
	Cl	35	628	612	23	3.8	-16.667786		ug/L
	C	13	2530	2597	114	4.4	67.518917		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.145
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411044-15
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:57:54
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 334

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411044-15.086
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	1909	676	35.4	0.007569	**11.9234**	ug/L
|	Se	78	5	86	28	32.6	0.000325	**6.5203**	ug/L
|	Se	77	3	27	9	31.6	0.000098	**6.7988**	ug/L
⌊>	Rh	103	267590	252126	5146	2.0	252125.993086		ug/L
	Br	79	3	121	36	30.1	118.334184		ug/L
	Cl	35	628	569	53	9.3	-59.170465		ug/L
	C	13	2530	2540	128	5.0	10.002793		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	94.221
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411044-16
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 16:59:22
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 335

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411044-16.087
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	6071	2004	33.0	0.024126	**38.0545**	ug/L
|	Se	78	5	108	32	29.2	0.000411	**8.2398**	ug/L
|	Se	77	3	30	9	30.1	0.000110	**7.6455**	ug/L
⌊>	Rh	103	267590	252055	3700	1.5	252055.289084		ug/L
	Br	79	3	101	28	27.3	98.333920		ug/L
	Cl	35	628	528	27	5.1	-100.006339		ug/L
	C	13	2530	2441	142	5.8	-88.357338		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	94.194
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411044-17
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 17:00:50
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 336

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411044-17.088
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	4493	1460	32.5	0.017772	**28.0268**	ug/L
|	Se	78	5	144	42	29.0	0.000552	**11.0499**	ug/L
|	Se	77	3	42	13	30.2	0.000154	**10.5380**	ug/L
⌊>	Rh	103	267590	252763	2472	1.0	252762.592614		ug/L
	Br	79	3	74	23	31.3	71.666988		ug/L
	Cl	35	628	655	60	9.1	26.668677		ug/L
	C	13	2530	2660	92	3.5	130.036824		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	94.459
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411044-18
Sample Description: 10x
Batch ID: B140479

Sample Date/Time: Tuesday, March 25, 2014 17:02:18
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 337

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\1411044-18.089
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	5450	1848	33.9	0.021199	**33.4355**	ug/L
|	Se	78	5	215	64	30.0	0.000819	**16.4111**	ug/L
|	Se	77	3	67	17	24.7	0.000251	**16.9022**	ug/L
⌊>	Rh	103	267590	257283	2745	1.1	257282.655961		ug/L
	Br	79	3	134	23	17.3	131.667676		ug/L
	Cl	35	628	613	65	10.6	-15.000872		ug/L
	C	13	2530	2577	79	3.1	47.512982		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.148
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV7

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 17:03:46
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCV7.090
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	8214	2797	34.0	0.031536	**4.9749**	ug/L
|	Se	78	5	687	232	33.8	0.002623	**5.2524**	ug/L
|	Se	77	3	201	63	31.4	0.000761	**5.0583**	ug/L
⌊>	Rh	103	267590	260139	1698	0.7	260138.735450		ug/L
	Br	79	3	15	3	16.7	12.500012		ug/L
	Cl	35	628	592	24	4.1	-36.669108		ug/L
	C	13	2530	2470	141	5.7	-59.182799		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	97.215
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB7

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 17:05:14
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCB7.091
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	20	7	32.8	0.000040	**0.0040**	ug/L
|	Se	78	5	9	4	45.3	0.000018	**0.0363**	ug/L
|	Se	77	3	3	0	10.2	0.000000	**0.0375**	ug/L
⌊>	Rh	103	267590	259039	3323	1.3	259039.116038		ug/L
	Br	79	3	15	3	16.7	12.500012		ug/L
	Cl	35	628	600	16	2.7	-28.335241		ug/L
	C	13	2530	2582	115	4.5	52.514655		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.804
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV8

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 17:19:55
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCV8.101
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	7928	2717	34.3	0.030502	**4.8118**	ug/L
│	Se	78	5	672	242	36.0	0.002569	**5.1439**	ug/L
│	Se	77	3	207	65	31.5	0.000787	**5.2328**	ug/L
└>	Rh	103	267590	259760	798	0.3	259759.713380		ug/L
	Br	79	3	9	4	41.7	6.666671		ug/L
	Cl	35	628	575	29	5.1	-53.336834		ug/L
	C	13	2530	2601	52	2.0	71.686401		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	97.074
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB8

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 17:21:23
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCB8.102
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	21	4	19.5	0.000045	**0.0049**	ug/L
│	Se	78	5	10	0	4.2	0.000022	**0.0449**	ug/L
│	Se	77	3	3	1	19.9	0.000002	**0.0464**	ug/L
└>	Rh	103	267590	257691	2491	1.0	257690.589220		ug/L
	Br	79	3	10	5	50.0	7.500006		ug/L
	Cl	35	628	560	30	5.4	-68.337769		ug/L
	C	13	2530	2487	100	4.0	-42.511954		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	96.300
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV9

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 17:37:32
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCV9.113
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	8037	2781	34.6	0.030727	**4.8473**	ug/L
|	Se	78	5	687	242	35.3	0.002611	**5.2276**	ug/L
|	Se	77	3	213	71	33.1	0.000807	**5.3618**	ug/L
⌊>	Rh	103	267590	260114	5179	2.0	260113.880463		ug/L
	Br	79	3	10	3	25.0	7.500005		ug/L
	Cl	35	628	566	52	9.1	-62.504011		ug/L
	C	13	2530	2536	44	1.7	6.668004		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	97.206
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB9

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 17:39:00
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCB9.114
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	27	5	19.2	0.000066	**0.0082**	ug/L
│	Se	78	5	10	1	13.9	0.000020	**0.0403**	ug/L
│	Se	77	3	2	1	41.8	-0.000001	**0.0268**	ug/L
└>	Rh	103	267590	258094	2862	1.1	258093.517179		ug/L
	Br	79	3	13	13	100.0	10.000014		ug/L
	Cl	35	628	641	65	10.2	12.501026		ug/L
	C	13	2530	2667	42	1.6	137.538773		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	96.451
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVA

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 17:55:10
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCVA.125
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	8012	2639	32.9	0.031033	**4.8956**	ug/L
|	Se	78	5	677	234	34.5	0.002608	**5.2212**	ug/L
|	Se	77	3	202	66	33.0	0.000771	**5.1246**	ug/L
⌊>	Rh	103	267590	257077	4421	1.7	257077.392397		ug/L
	Br	79	3	10	5	50.0	7.500006		ug/L
	Cl	35	628	636	38	6.0	7.500572		ug/L
	C	13	2530	2765	33	1.2	235.901466		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.071
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBA

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 17:56:38
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCBA.126
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	28	2	5.5	0.000069	**0.0087**	ug/L
│	Se	78	5	9	1	12.9	0.000017	**0.0342**	ug/L
│	Se	77	3	3	1	24.1	0.000000	**0.0352**	ug/L
└>	Rh	103	267590	258896	3200	1.2	258895.927711		ug/L
	Br	79	3	5	0	0.0	2.500001		ug/L
	Cl	35	628	592	10	1.7	-36.669126		ug/L
	C	13	2530	2695	89	3.3	165.880691		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	96.751
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVB

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 18:12:46
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCVB.137
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	7912	2646	33.4	0.031027	**4.8947**	ug/L
|	Se	78	5	660	220	33.2	0.002574	**5.1537**	ug/L
|	Se	77	3	213	75	35.1	0.000827	**5.4944**	ug/L
⌊>	Rh	103	267590	255321	3206	1.3	255321.097769		ug/L
	Br	79	3	4	4	91.7	1.666668		ug/L
	Cl	35	628	587	18	3.0	-41.669443		ug/L
	C	13	2530	2602	118	4.5	72.520384		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	95.415
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBB

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 18:14:15
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCBB.138
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	28	5	16.3	0.000071	**0.0090**	ug/L
|	Se	78	5	9	2	19.6	0.000018	**0.0360**	ug/L
|	Se	77	3	3	1	26.5	-0.000001	**0.0300**	ug/L
⌊>	Rh	103	267590	254587	1502	0.6	254587.328733		ug/L
	Br	79	3	8	4	57.7	5.000003		ug/L
	Cl	35	628	572	64	11.2	-56.670259		ug/L
	C	13	2530	2635	60	2.3	105.862938		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	95.141
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVC

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 18:30:23
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCVC.149
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	7921	2709	34.2	0.030407	**4.7967**	ug/L
|	Se	78	5	673	229	34.0	0.002569	**5.1436**	ug/L
|	Se	77	3	203	68	33.5	0.000769	**5.1112**	ug/L
⌊>	Rh	103	267590	259539	3022	1.2	259538.835869		ug/L
	Br	79	3	4	3	69.3	1.666667		ug/L
	Cl	35	628	557	71	12.8	-71.671155		ug/L
	C	13	2530	2606	85	3.2	76.687995		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.991
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBC

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 18:31:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCBC.150
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	24	9	37.0	0.000057	**0.0067**	ug/L
│	Se	78	5	8	1	12.4	0.000014	**0.0296**	ug/L
│	Se	77	3	2	1	27.0	-0.000001	**0.0258**	ug/L
└>	Rh	103	267590	254631	2138	0.8	254631.111111		ug/L
	Br	79	3	4	1	34.6	1.666667		ug/L
	Cl	35	628	534	4	0.7	-94.172690		ug/L
	C	13	2530	2645	74	2.8	115.865915		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	95.157
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVD

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 18:47:58
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCVD.161
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	7898	2757	34.9	0.030749	**4.8508**	ug/L
|	Se	78	5	684	233	34.0	0.002647	**5.3008**	ug/L
|	Se	77	3	211	75	35.5	0.000813	**5.4072**	ug/L
⌊>	Rh	103	267590	255505	4632	1.8	255504.880974		ug/L
	Br	79	3	12	8	68.9	9.166676		ug/L
	Cl	35	628	565	48	8.5	-63.337408		ug/L
	C	13	2530	2448	246	10.1	-81.687390		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	95.484
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBD

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 18:49:27
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCBD.162
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	29	6	19.4	0.000079	**0.0102**	ug/L
│	Se	78	5	9	1	5.7	0.000016	**0.0335**	ug/L
│	Se	77	3	3	1	30.1	0.000001	**0.0417**	ug/L
└>	Rh	103	267590	251873	949	0.4	251873.229518		ug/L
	Br	79	3	9	4	41.7	6.666671		ug/L
	Cl	35	628	574	5	0.9	-54.170251		ug/L
	C	13	2530	2660	52	2.0	130.036612		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.126
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVE

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 19:01:12
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 7

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCVE.170
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	39057	13289	34.0	0.154345	**24.3574**	ug/L
│	Se	78	5	3312	1118	33.8	0.013073	**26.1730**	ug/L
│	Se	77	3	989	329	33.2	0.003900	**25.7911**	ug/L
└>	Rh	103	267590	252452	2654	1.1	252451.662436		ug/L
	Br	79	3	8	5	66.7	5.000003		ug/L
	Cl	35	628	581	24	4.2	-47.503140		ug/L
	C	13	2530	2801	140	5.0	271.746454		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.343
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBE

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 19:02:40
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCBE.171
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	37	6	15.0	0.000109	**0.0150**	ug/L
|	Se	78	5	9	1	16.1	0.000017	**0.0340**	ug/L
|	Se	77	3	3	0	11.5	0.000003	**0.0523**	ug/L
⌊>	Rh	103	267590	252407	2377	0.9	252407.067181		ug/L
	Br	79	3	8	8	91.7	5.833339		ug/L
	Cl	35	628	572	28	4.9	-56.670381		ug/L
	C	13	2530	2600	16	0.6	70.852737		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	94.326
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVF

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 19:12:57
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 7

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCVF.178
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	38932	12560	32.3	0.155462	**24.5338**	ug/L
│	Se	78	5	3302	1046	31.7	0.013169	**26.3655**	ug/L
│	Se	77	3	992	312	31.4	0.003952	**26.1321**	ug/L
└>	Rh	103	267590	250747	3667	1.5	250747.347395		ug/L
	Br	79	3	5	5	100.0	2.500002		ug/L
	Cl	35	628	620	57	9.2	-8.333788		ug/L
	C	13	2530	2715	23	0.8	185.052790		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	93.706
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBF

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 19:14:26
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCBF.179
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	37	7	19.7	0.000110	**0.0151**	ug/L
│	Se	78	5	14	1	9.9	0.000036	**0.0731**	ug/L
│	Se	77	3	4	1	19.5	0.000005	**0.0671**	ug/L
└>	Rh	103	267590	253810	2080	0.8	253810.288005		ug/L
	Br	79	3	7	4	57.3	4.166669		ug/L
	Cl	35	628	521	78	14.9	-107.506577		ug/L
	C	13	2530	2597	40	1.5	67.518500		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.850
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVG

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 19:24:43
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 7

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCVG.186
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	38229	12813	33.5	0.155005	**24.4616**	ug/L
|	Se	78	5	3160	1054	33.4	0.012797	**25.6208**	ug/L
|	Se	77	3	956	321	33.6	0.003866	**25.5685**	ug/L
|>	Rh	103	267590	247041	2188	0.9	247040.947083		ug/L
	Br	79	3	4	4	91.7	1.666668		ug/L
	Cl	35	628	511	51	9.9	-117.507271		ug/L
	C	13	2530	2524	52	2.1	-5.835447		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
|>	Rh	103	92.321
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBG

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 19:26:03
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCBG.187
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	41	6	13.6	0.000129	**0.0182**	ug/L
│	Se	78	5	9	3	29.6	0.000018	**0.0377**	ug/L
│	Se	77	3	3	1	17.8	0.000001	**0.0435**	ug/L
└>	Rh	103	267590	246052	1033	0.4	246052.032499		ug/L
	Br	79	3	5	4	86.6	2.500001		ug/L
	Cl	35	628	549	22	4.1	-79.171778		ug/L
	C	13	2530	2675	20	0.7	145.040928		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	91.951
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVH

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 19:38:25
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 7

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCVH.196
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	36931	11838	32.1	0.159174	**25.1195**	ug/L
│	Se	78	5	3082	1013	32.9	0.013268	**26.5621**	ug/L
│	Se	77	3	902	283	31.3	0.003880	**25.6553**	ug/L
└>	Rh	103	267590	232293	1679	0.7	232292.961935		ug/L
	Br	79	3	6	4	65.5	3.333335		ug/L
	Cl	35	628	468	16	3.4	-160.009644		ug/L
	C	13	2530	2922	157	5.4	392.618014		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	86.809
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBH

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 19:39:53
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCBH.197
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	49	12	25.2	0.000088	**0.0116**	ug/L
│	Se	78	5	10	3	27.6	0.000007	**0.0150**	ug/L
│	Se	77	3	3	1	16.4	-0.000002	**0.0196**	ug/L
└>	Rh	103	267590	410299	100647	24.5	410299.286525		ug/L
	Br	79	3	18	11	62.3	15.000021		ug/L
	Cl	35	628	317	23	7.3	-311.682849		ug/L
	C	13	2530	7234	1115	15.4	4704.236583		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	153.331
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVI

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 19:51:37
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 7

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCVI.205
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	38257	12477	32.6	0.163928	**25.8699**	ug/L
│	Se	78	5	3132	973	31.1	0.013404	**26.8348**	ug/L
│	Se	77	3	956	325	34.0	0.004088	**27.0321**	ug/L
└>	Rh	103	267590	233467	2699	1.2	233466.787848		ug/L
	Br	79	3	8	3	33.3	5.000003		ug/L
	Cl	35	628	564	75	13.3	-64.170671		ug/L
	C	13	2530	3821	256	6.7	1291.286035		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	87.248
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBI

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 25, 2014 19:53:06
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2014\03-14\1400247.sam
Method File: C:\Elandata\Method\2014\03-14\1400245-0062-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-CCBI.206
Calibration File: C:\Elandata\System\2014\03-14\1400247.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400247\SEQ-ICB1.006

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
┌	AsO	91	10	31	8	26.8	0.000094	**0.0126**	ug/L
│	Se	78	5	9	1	13.6	0.000019	**0.0396**	ug/L
│	Se	77	3	3	1	56.7	0.000000	**0.0368**	ug/L
└>	Rh	103	267590	238483	1201	0.5	238482.620469		ug/L
	Br	79	3	4	4	91.7	1.666668		ug/L
	Cl	35	628	546	8	1.4	-82.505329		ug/L
	C	13	2530	3290	78	2.4	760.242897		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	89.122
	Br	79	
	Cl	35	
	C	13	

ANALYSIS SEQUENCE

1400248

Brooks Rand Labs

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400248-IBL1	1400248	QC	1		-			
1400248-IBL2	1400248	QC	2		-			
1400248-IBL3	1400248	QC	3		-			
1400248-CAL1	1400248	QC	4	1410017	-			
1400248-CAL2	1400248	QC	5	1410018	-			
1400248-CAL3	1400248	QC	6	1410019	-			
1400248-CAL4	1400248	QC	7	1410020	-			
1400248-CAL5	1400248	QC	8	1410021	-			
1400248-CAL6	1400248	QC	9	1410022	-			
1400248-CAL7	1400248	QC	10	1410023	-			
1400248-CCB1	1400248	QC	11		-			
1400248-ICV1	1400248	QC	12	1410024	-			
1400248-CCB2	1400248	QC	13		-			
1400248-CCV1	1400248	QC	14	1410025	-			
1400248-CCB3	1400248	QC	15		-			
1400248-CCB4	1400248	QC	16		-			
1400248-CCB5	1400248	QC	17		-			
B140488-BLK1	B140488	QC	18		-			
B140488-BLK2	B140488	QC	19		-			
B140488-BLK3	B140488	QC	20		-			
B140488-BLK4	B140488	QC	21		-			
B140488-BS1	B140488	QC	22		-			
B140488-BS2	B140488	QC	23		-			
1412033-04	B140488	MeHg-W-Dist-TR	24			DBE-RK1401	4/11/2014	
1412033-14	B140488	MeHg-W-Dist-Diss	25			DBE-RK1401	4/11/2014	
1412033-22	B140488	MeHg-W-Dist-Diss	26			DBE-RK1401	4/11/2014	

ANALYSIS SEQUENCE

1400248

Brooks Rand Labs

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412033-57	B140488	MeHg-W-Dist-TR	27			DBE-RK1401	4/11/2014	
1400248-CCV2	1400248	QC	28	1410025	-			
1400248-CCB6	1400248	QC	29		-			
1412033-59	B140488	MeHg-W-Dist-Diss	30			DBE-RK1401	4/11/2014	
1412006-34	B140488	MeHg-W-Dist-Diss	31			E2C-EM1201	1/1/1980	BatchQC
1412006-34	B140488	MeHg-W-Dist-TR	32			E2C-EM1201	4/8/2014	
B140488-MS1	B140488	QC	33		1412006-34			
B140488-MSD1	B140488	QC	34		1412006-34			
1412006-35	B140488	MeHg-W-Dist-TR	35			E2C-EM1201	4/8/2014	
1412006-41	B140488	MeHg-W-Dist-TR	36			E2C-EM1201	4/8/2014	
1412006-49	B140488	MeHg-W-Dist-TR	37			E2C-EM1201	4/8/2014	
1412006-53	B140488	MeHg-W-Dist-TR	38			E2C-EM1201	4/8/2014	
1412007-01	B140488	MeHg-W-Dist-Diss	39			SGS-AN1302	3/28/2014	
1412007-02	B140488	MeHg-W-Dist-Diss	40			SGS-AN1302	3/28/2014	
1400248-CCV3	1400248	QC	41	1410025	-			
1400248-CCB7	1400248	QC	42		-			
1412007-03	B140488	MeHg-W-Dist-Diss	43			SGS-AN1302	3/28/2014	
1412007-04	B140488	MeHg-W-Dist-Diss	44			SGS-AN1302	3/28/2014	
1412008-01	B140488	MeHg-W-Dist-Diss	45			SGS-AN1302	3/28/2014	
1412008-01	B140488	MeHg-W-Dist-TR	46			SGS-AN1302	1/1/1980	BatchQC
B140488-MS2	B140488	QC	47		1412008-01			
B140488-MSD2	B140488	QC	48		1412008-01			
1412009-01	B140488	MeHg-W-Dist-TR	49			TST-NA1401	4/9/2014	
1412021-01	B140488	MeHg-W-Dist-Diss	50			SGS-AN1302	3/31/2014	
1412021-02	B140488	MeHg-W-Dist-Diss	51			SGS-AN1302	3/31/2014	
1412021-03	B140488	MeHg-W-Dist-Diss	52			SGS-AN1302	3/31/2014	

ANALYSIS SEQUENCE

1400248

Brooks Rand Labs

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412021-04	B140488	MeHg-W-Dist-Diss	53			SGS-AN1302	3/31/2014	
1400248-CCV4	1400248	QC	54	1410025	-			
1400248-CCB8	1400248	QC	55		-			
1412033-05	B140488	MeHg-W-Dist-TR	56			DBE-RK1401	4/11/2014	
1412033-06	B140488	MeHg-W-Dist-TR	57			DBE-RK1401	4/11/2014	
1412033-15	B140488	MeHg-W-Dist-Diss	58			DBE-RK1401	4/11/2014	
1412033-16	B140488	MeHg-W-Dist-Diss	59			DBE-RK1401	4/11/2014	
1412033-17	B140488	MeHg-W-Dist-Diss	60			DBE-RK1401	4/11/2014	
1412033-18	B140488	MeHg-W-Dist-Diss	61			DBE-RK1401	4/11/2014	
1412033-19	B140488	MeHg-W-Dist-Diss	62			DBE-RK1401	4/11/2014	
1412033-20	B140488	MeHg-W-Dist-Diss	63			DBE-RK1401	4/11/2014	
1412033-58	B140488	MeHg-W-Dist-TR	64			DBE-RK1401	4/11/2014	
1412035-02	B140488	MeHg-W-Dist-Diss	65			′WQP-2014(Y1	1/1/1980	BatchQC
1412035-02	B140488	MeHg-W-Dist-TR	66			′WQP-2014(Y1	4/4/2014	
1400248-CCV5	1400248	QC	67	1410025	-			
1400248-CCB9	1400248	QC	68		-			
B140488-MS3	B140488	QC	69		1412035-02			
B140488-MSD3	B140488	QC	70		1412035-02			
1412035-04	B140488	MeHg-W-Dist-TR	71			′WQP-2014(Y1	4/4/2014	
1400248-CCV6	1400248	QC	72	1410025	-			
1400248-CCBA	1400248	QC	73		-			
1400248-CCV7	1400248	QC	74	1410025	-			
1400248-CCBB	1400248	QC	75		-			
1400248-CCV8	1400248	QC	76	1410025	-			
1400248-CCBC	1400248	QC	77		-			
1400248-CCV9	1400248	QC	78	1410025	-			

ANALYSIS SEQUENCE

1400248

Brooks Rand Labs

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400248-CCBD	1400248	QC	79		-			
B140415-BLK1	B140415	QC	80		-			
B140415-BLK2	B140415	QC	81		-			
B140415-BLK3	B140415	QC	82		-			
B140415-BLK4	B140415	QC	83		-			
B140415-SRM1	B140415	QC	84		-			
1411008-07	B140415	MeHg-B-KOH/Me	85			USG-MP1301	4/2/2014	Pine Needles
1411008-08	B140415	MeHg-B-KOH/Me	86			USG-MP1301	4/2/2014	Pine Needles
1411008-09	B140415	MeHg-B-KOH/Me	87			USG-MP1301	4/2/2014	Pine Needles
1411008-10	B140415	MeHg-B-KOH/Me	88			USG-MP1301	4/2/2014	Pine Needles
1411008-11	B140415	MeHg-B-KOH/Me	89			USG-MP1301	4/2/2014	Pine Needles
1400248-CCVA	1400248	QC	90	1410025	-			
1400248-CCBE	1400248	QC	91		-			
B140415-DUP1	B140415	QC	92		1411008-11			
B140415-MS1	B140415	QC	93		1411008-11			
B140415-MSD1	B140415	QC	94		1411008-11			
1411008-12	B140415	MeHg-B-KOH/Me	95			USG-MP1301	4/2/2014	Pine Needles
1411008-13	B140415	MeHg-B-KOH/Me	96			USG-MP1301	4/2/2014	Pine Needles
1411008-14	B140415	MeHg-B-KOH/Me	97			USG-MP1301	4/2/2014	Pine Needles
1411008-15	B140415	MeHg-B-KOH/Me	98			USG-MP1301	4/2/2014	Pine Needles
1411008-16	B140415	MeHg-B-KOH/Me	99			USG-MP1301	4/2/2014	Pine Needles
1400248-CCVB	1400248	QC	100	1410025	-			
1400248-CCBF	1400248	QC	101		-			
B140436-BLK1	B140436	QC	102		-			
B140436-BLK2	B140436	QC	103		-			
B140436-BLK3	B140436	QC	104		-			

ANALYSIS SEQUENCE

1400248

Brooks Rand Labs

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140436-BLK4	B140436	QC	105		-			
B140436-SRM1	B140436	QC	106		-			
1411043-01	B140436	MeHg-B-KOH/Me	107			ARD-MV1302	4/7/2014	
B140436-DUP1	B140436	QC	108		1411043-01			
B140436-MS1	B140436	QC	109		1411043-01			
B140436-MSD1	B140436	QC	110		1411043-01			
1411043-02	B140436	MeHg-B-KOH/Me	111			ARD-MV1302	4/7/2014	
1400248-CCVC	1400248	QC	112	1410025	-			
1400248-CCBG	1400248	QC	113		-			
1411043-03	B140436	MeHg-B-KOH/Me	114			ARD-MV1302	4/7/2014	
1411043-04	B140436	MeHg-B-KOH/Me	115			ARD-MV1302	4/7/2014	
1411043-05	B140436	MeHg-B-KOH/Me	116			ARD-MV1302	4/7/2014	
1411043-06	B140436	MeHg-B-KOH/Me	117			ARD-MV1302	4/7/2014	
1411043-07	B140436	MeHg-B-KOH/Me	118			ARD-MV1302	4/7/2014	
1411043-08	B140436	MeHg-B-KOH/Me	119			ARD-MV1302	4/7/2014	
1411043-09	B140436	MeHg-B-KOH/Me	120			ARD-MV1302	4/7/2014	
B140436-DUP2	B140436	QC	121		1411043-09			
B140436-MS2	B140436	QC	122		1411043-09			
B140436-MSD2	B140436	QC	123		1411043-09			
1400248-CCVD	1400248	QC	124	1410025	-			
1400248-CCBH	1400248	QC	125		-			
1411043-10	B140436	MeHg-B-KOH/Me	126			ARD-MV1302	4/7/2014	
1411043-11	B140436	MeHg-B-KOH/Me	127			ARD-MV1302	4/7/2014	
1411043-12	B140436	MeHg-B-KOH/Me	128			ARD-MV1302	4/7/2014	
1411043-13	B140436	MeHg-B-KOH/Me	129			ARD-MV1302	4/7/2014	
1411043-14	B140436	MeHg-B-KOH/Me	130			ARD-MV1302	4/7/2014	

ANALYSIS SEQUENCE

1400248

Brooks Rand Labs

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-15	B140436	MeHg-B-KOH/Me	131			ARD-MV1302	4/7/2014	
1411043-16	B140436	MeHg-B-KOH/Me	132			ARD-MV1302	4/7/2014	
1411043-17	B140436	MeHg-B-KOH/Me	133			ARD-MV1302	4/7/2014	
1411043-18	B140436	MeHg-B-KOH/Me	134			ARD-MV1302	4/7/2014	
1411043-19	B140436	MeHg-B-KOH/Me	135			ARD-MV1302	4/7/2014	
1400248-CCVE	1400248	QC	136	1410025	-			
1400248-CCBI	1400248	QC	137		-			
1400248-CCVF	1400248	QC	138	1410025	-			
1400248-CCBJ	1400248	QC	139		-			
B140488-BS3	B140488	QC	140		-			
B140488-BS4	B140488	QC	141		-			
1400248-CCVG	1400248	QC	142	1410025	-			
1400248-CCBK	1400248	QC	143		-			

Manual Integration Abbreviation Sheet

m. Modified peak shape due to split peak in Guru software

u. Unidentified peak. No peak called out in the appropriate retention time window

m1. Modified peak due to dip in hydride baseline. Peak integrated from the new baseline

m2. Modified peak due to dip in hydride baseline. Peak integrated from old baseline

dp. Double peak called out by software.

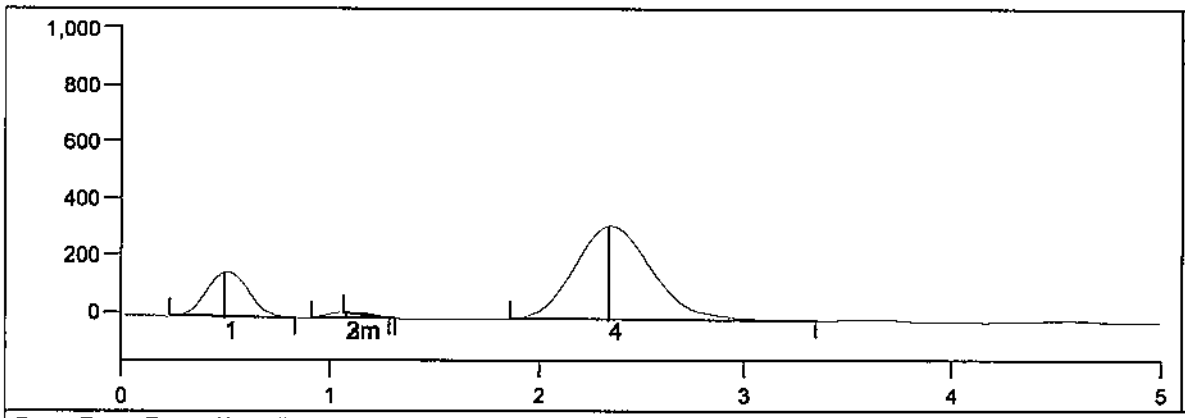
g. Analysis volume value is a mass, assumed to be equal to a volume based on an assumed density of 1.00 +/- 0.03g/mL.

Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

Date Analyzed: 3/26/14
Analyst Name: AAP

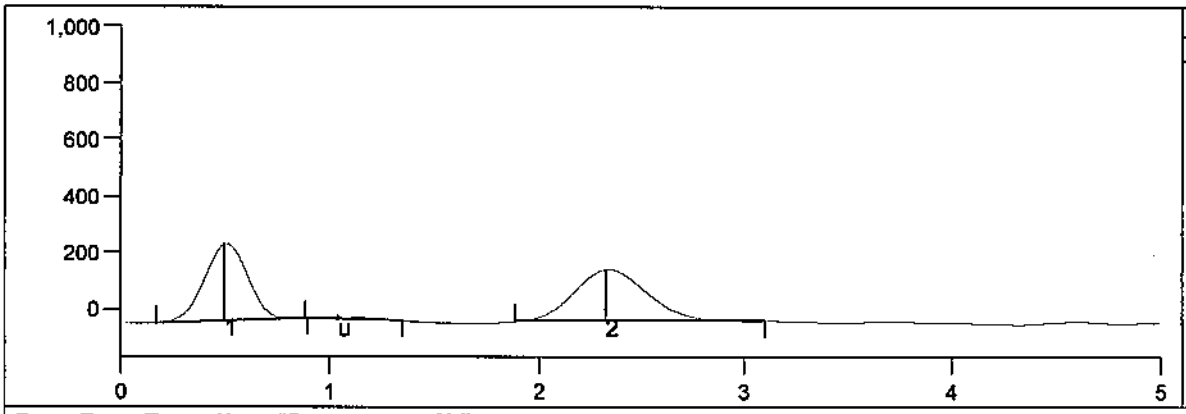


Date: 3/26/14
Time: 10:34 AM

Peak	rt	Height
1	0.50	162
2m	1.07	21
3	1.08	2
4	2.34	332

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
2	B	Rins	Rinse		2m	21	0.130	0.00	0.00	< 0.05	accept
Notes											

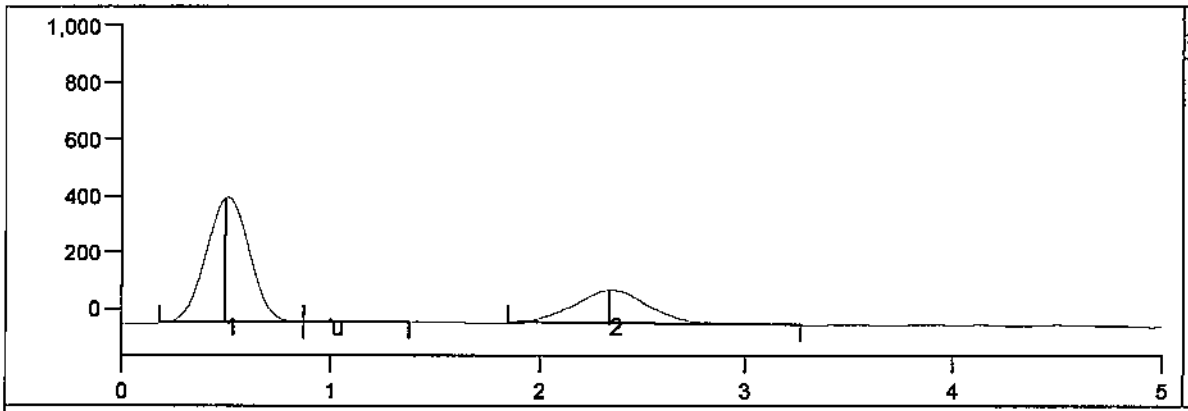


Date: 3/26/14
Time: 10:41 AM

Peak	rt	Height
1	0.50	278
2	2.33	188
u	1.04	13

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
3	C	Rins	Rinse		u	13	0.0803	0.00	0.00	< 0.05	accept
Notes											



Date: 3/26/14
Time: 10:48 AM

Peak	rt	Height
1	0.50	450
2	2.34	124
u	0.99	4

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
4	A	CB	SEQ-IBL		u	4	0.0247		0.0247	< 1.4	accept
Notes											

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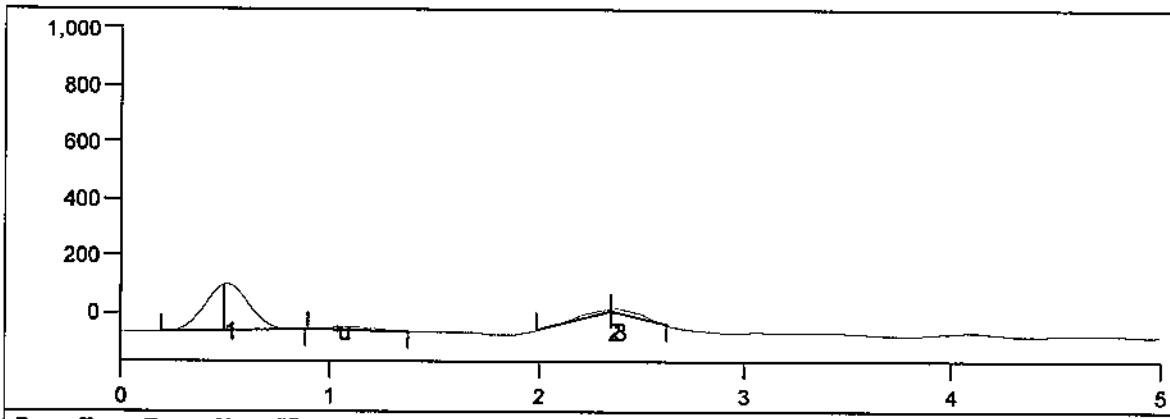
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

Date Analyzed: 3/26/14
Analyst Name: AAP



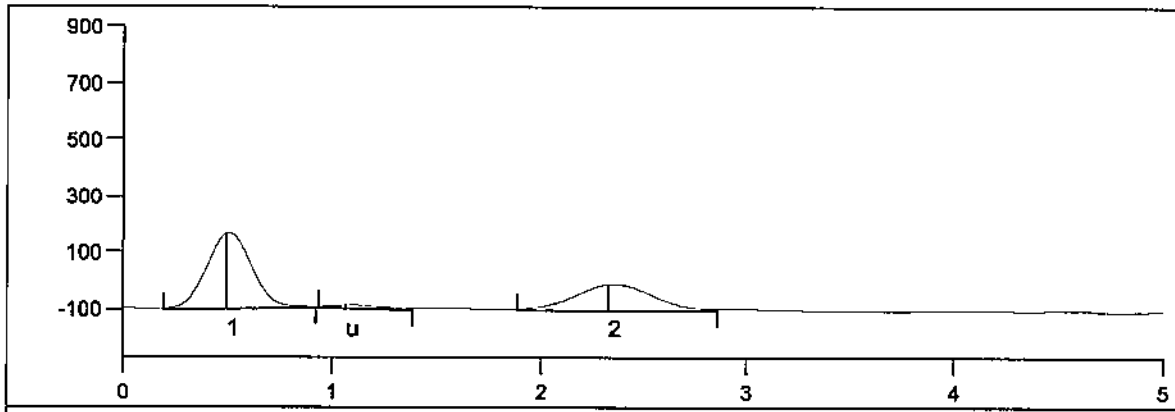
Date: 3/26/14
Time: 10:54 AM

Peak	rt	Height
1	0.50	164
2	2.34	1
3	2.36	3
u	1.04	10

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
5	B	CB	SEQ-IBL		u	10	0.0617		0.0617	< 1.4	accept

Notes



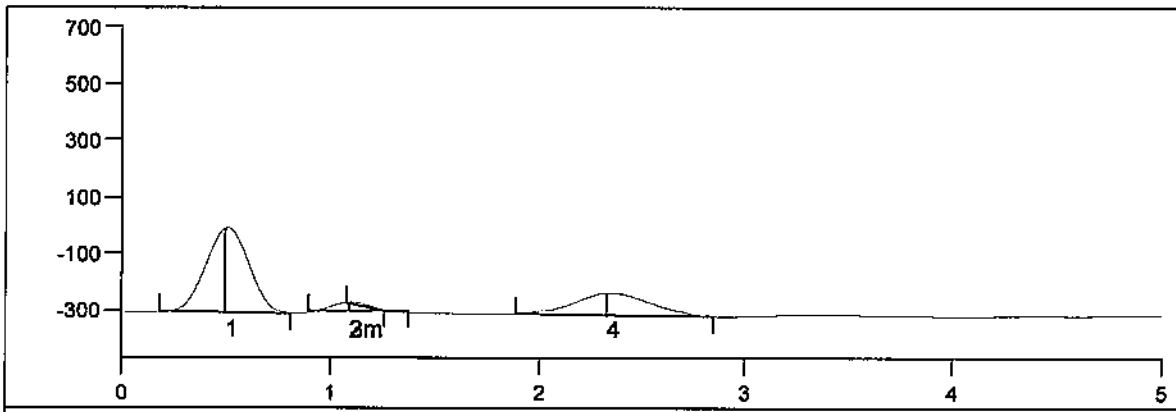
Date: 3/26/14
Time: 11:01 AM

Peak	rt	Height
1	0.50	265
2	2.33	86
u	1.06	6

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
6	C	CB	SEQ-IBL		u	6	0.0370		0.0370	< 1.4	accept

Notes



Date: 3/26/14
Time: 12:21 PM

Peak	rt	Height
1	0.50	304
2m	1.08	39
3	1.09	2
4	2.33	80

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
18	C	CCB	SEQ-CCB		2m	39	0.241		0.241	< 1.15	accept

Notes

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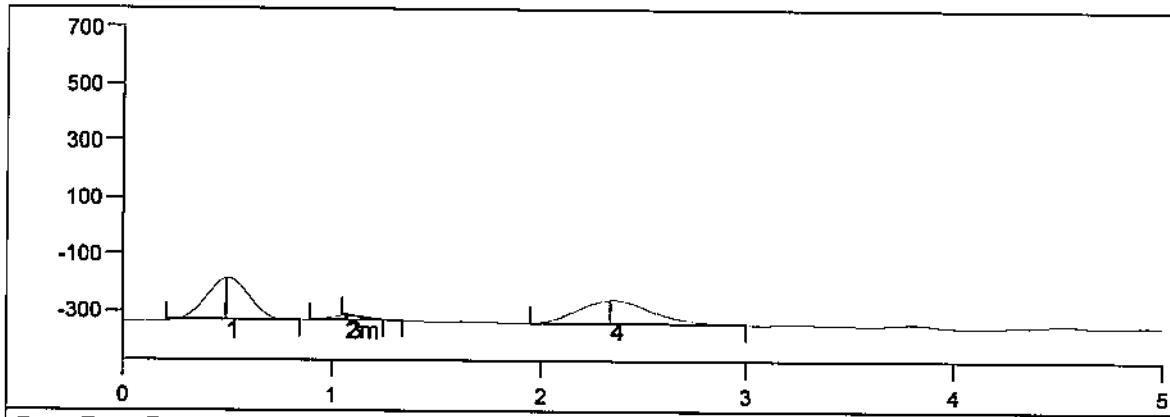
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

Date Analyzed: 3/26/14
Analyst Name: AAP

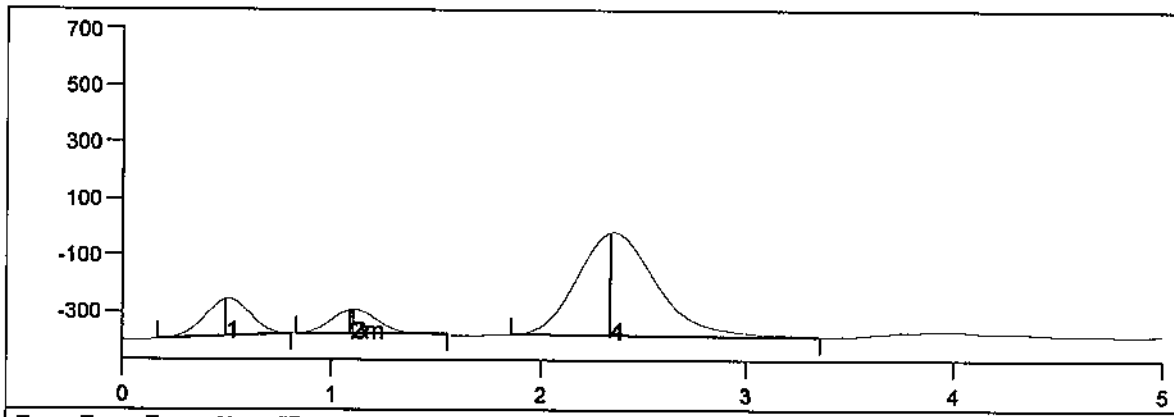


Date: 3/26/14
Time: 12:34 PM

Peak	rt	Height
1	0.50	154
2m	1.06	17
3	1.07	2
4	2.34	85

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
20	B	CCB	SEQ-CCB		2m	17	0.105		0.105	< 1.15	accept
Notes											

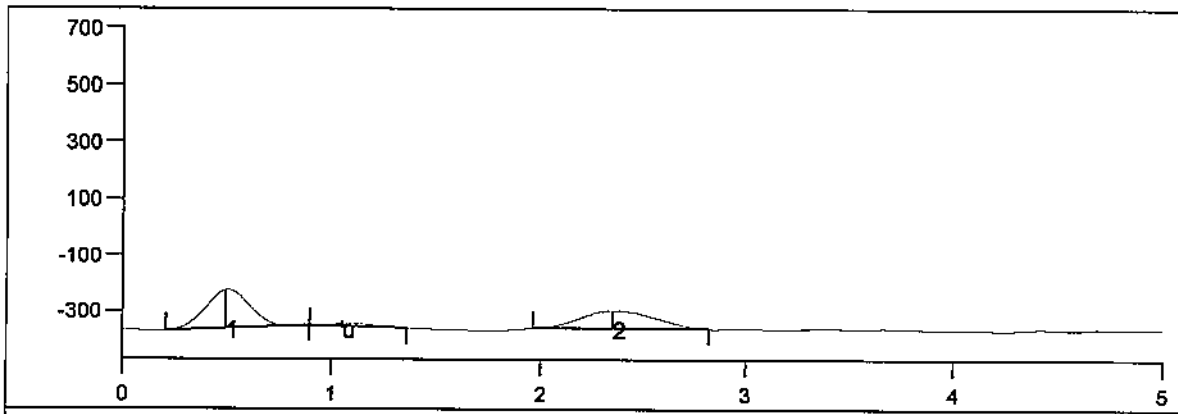


Date: 3/26/14
Time: 2:34 PM

Peak	rt	Height
1	0.50	136
2m	1.09	90
3	1.10	90
4	2.34	368

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
38	B	S	1412006-41		2m	90	0.514	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 3:14 PM

Peak	rt	Height
1	0.50	141
2	2.35	66
u	1.05	13

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
44	B	CCB	SEQ-CCB		u	13	0.0803		0.0803	< 1.15	accept
Notes											

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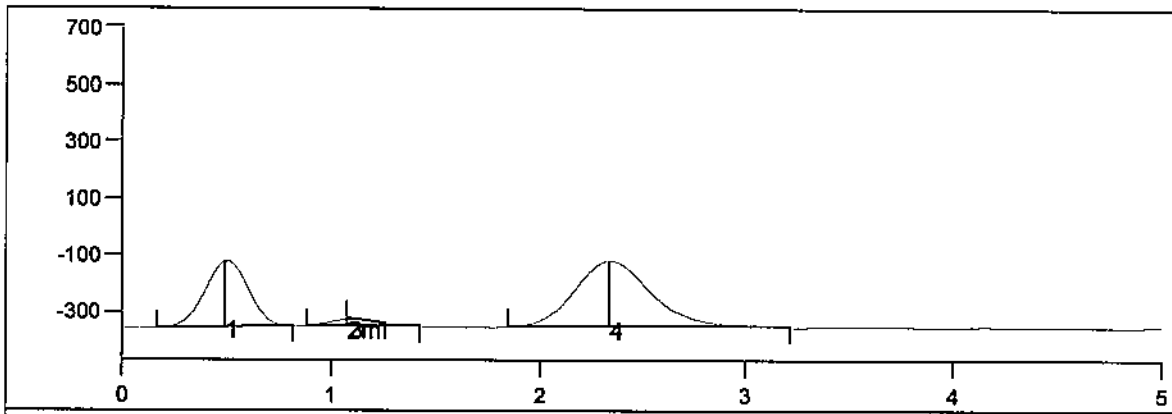
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

Date Analyzed: 3/26/14
Analyst Name: AAP



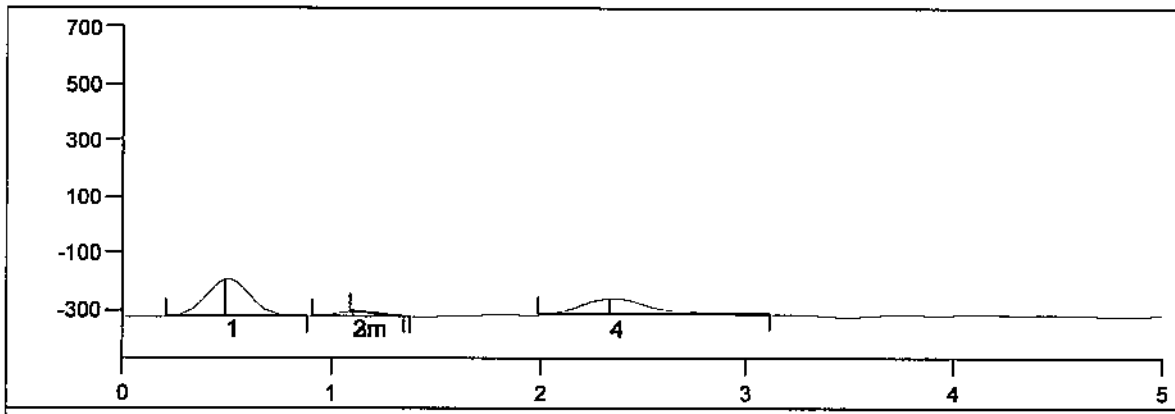
Date: 3/26/14
Time: 4:01 PM

Peak	rt	Height
1	0.50	237
2m	1.08	23
3	1.09	2
4	2.33	237

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
51	C	S	1412021-01		2m	23	0.101	0.00		< HS	accept

Notes



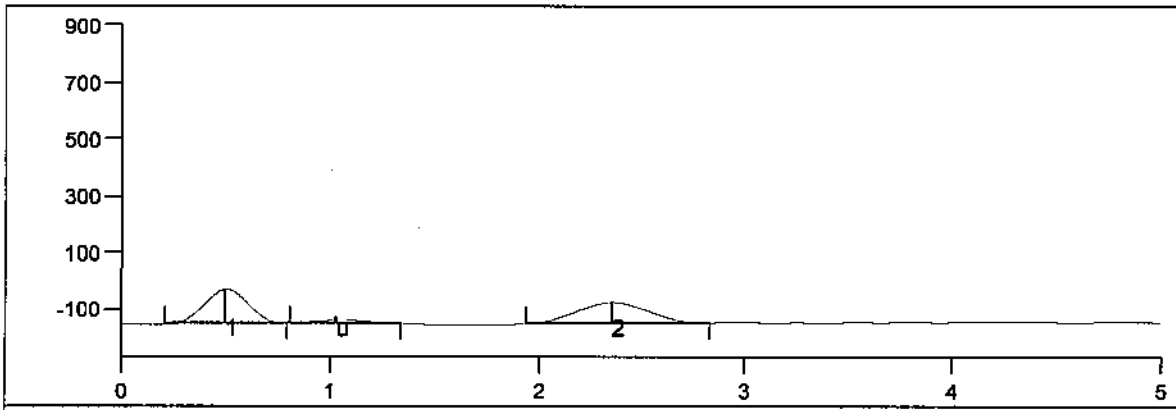
Date: 3/26/14
Time: 4:34 PM

Peak	rt	Height
1	0.50	133
2m	1.10	16
3	1.10	2
4	2.34	62

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
56	B	CCB	SEQ-CCB		2m	16	0.0988		0.0988	< 1.15	accept

Notes



Date: 3/26/14
Time: 5:54 PM

Peak	rt	Height
1	0.49	126
2	2.35	79
u	1.02	12

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
68	B	CCB	SEQ-CCB		u	12	0.0741		0.0741	< 1.15	accept

Notes

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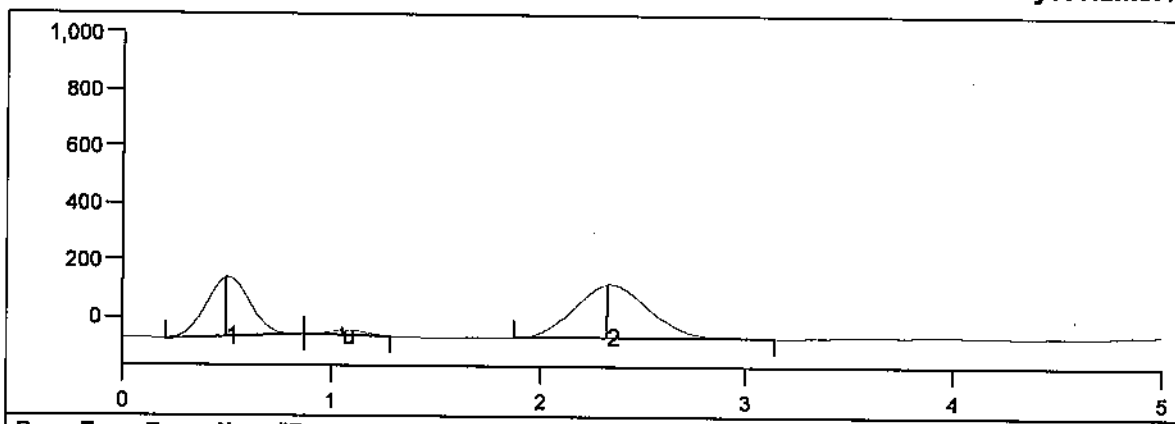
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

Date Analyzed: 3/26/14
Analyst Name: AAP

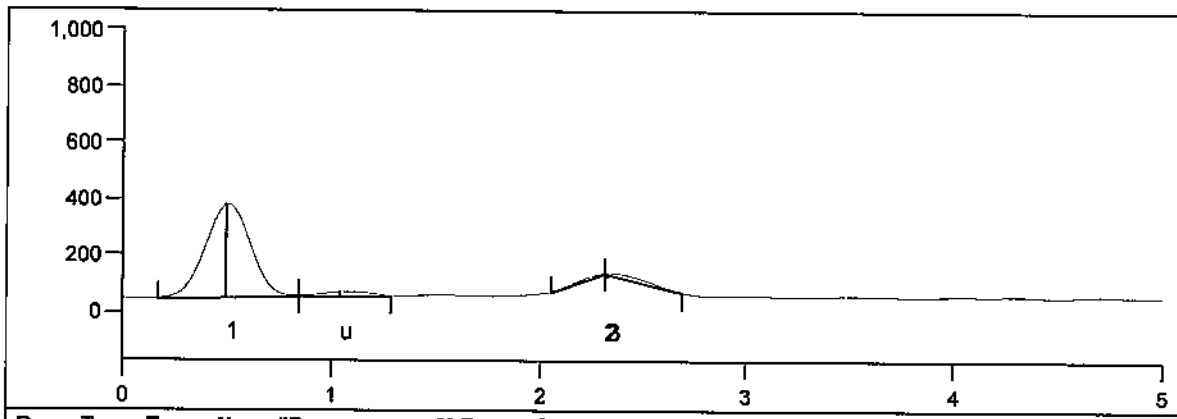


Date: 3/26/14
Time: 6:41 PM

Peak	rt	Height
1	0.50	211
2	2.33	194
u	1.04	16

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
75	C	S	B140505-BLK2		u	16	0.0576	0.00		< HS	accept
Notes											

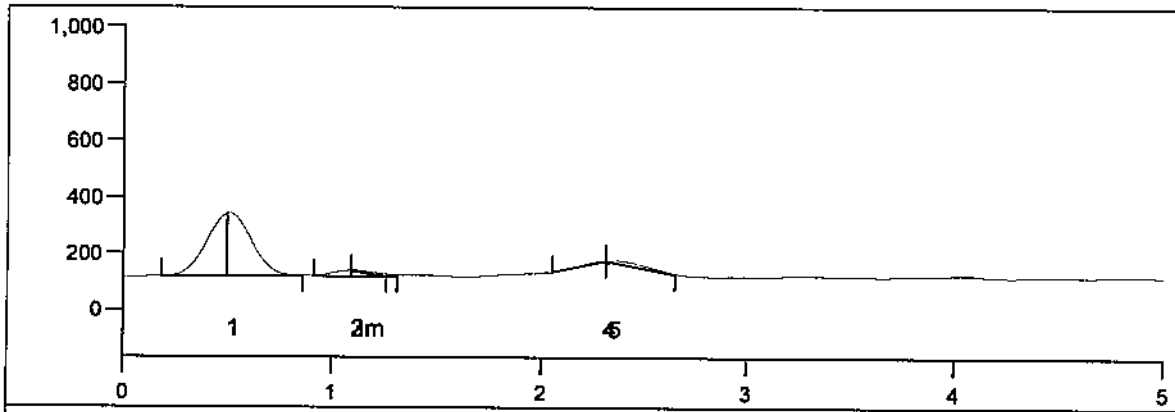


Date: 3/26/14
Time: 7:48 PM

Peak	rt	Height
1	0.50	329
2	2.31	1
3	2.33	3
u	1.04	14

CWB
~~4/1/14~~
4/1/14
CWB 4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
85	A	CCB	SEQ-CCB		u	14	0.0864		0.0864	< 1.15	accept
Notes											



Date: 3/26/14
Time: 9:41 PM

Peak	rt	Height
1	0.50	224
2m	1.09	18
3	1.09	1
4	2.31	1
5	2.33	3

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
102	C	S	B140415-BLK1		2m	18	0.0700	0.00		< HS	accept
Notes											

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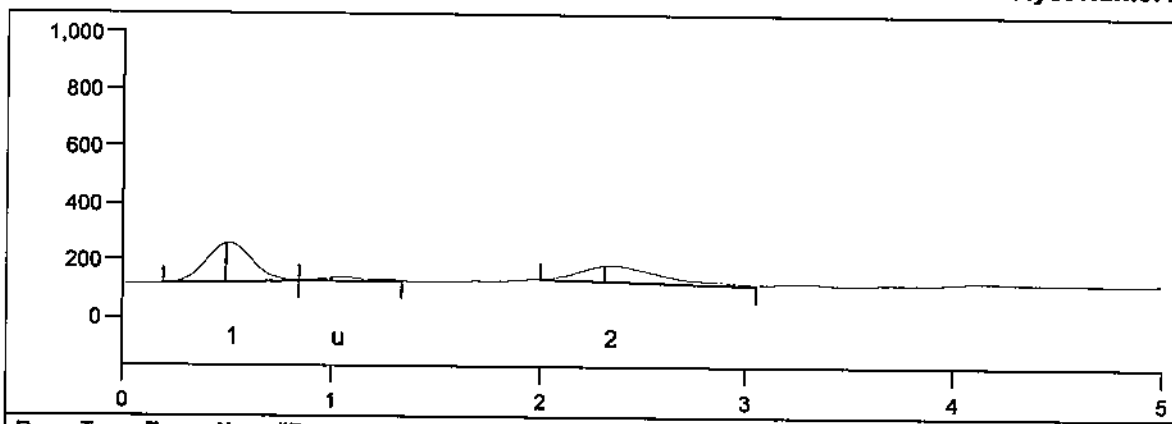
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

Date Analyzed: 3/26/14
Analyst Name: AAP

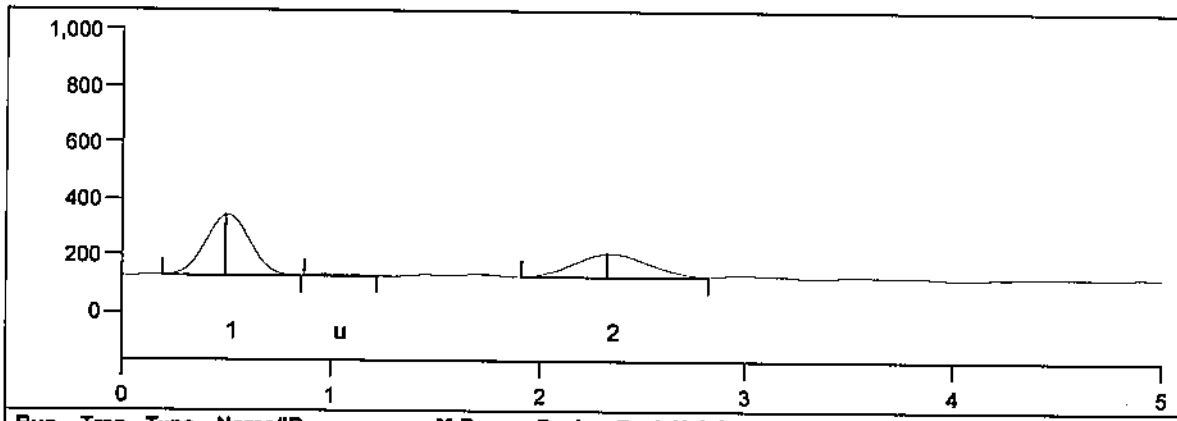


Date: 3/26/14
Time: 9:54 PM

Peak	rt	Height
1	0.50	138
2	2.31	55
u	1.00	11

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
104	B	S	B140415-BLK3		u	11	0.0268	0.00		< HS	accept
Notes											

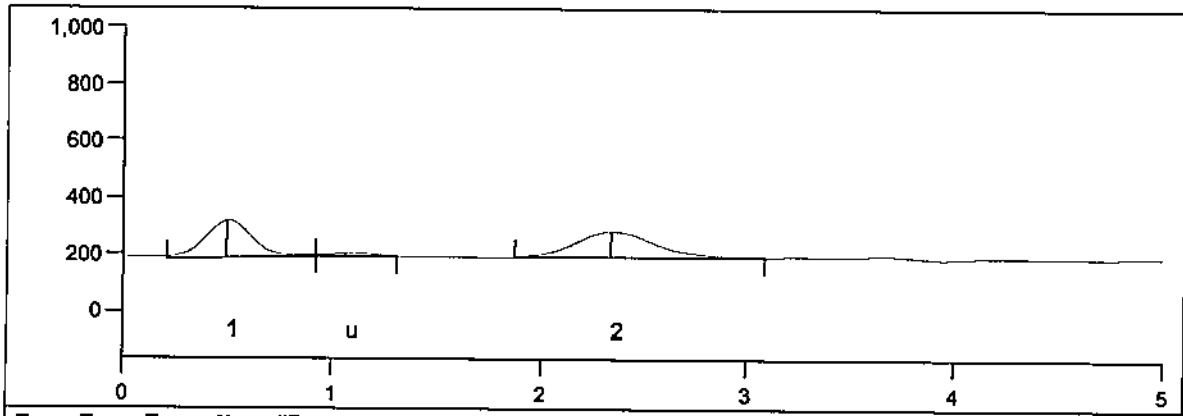


Date: 3/26/14
Time: 10:01 PM

Peak	rt	Height
1	0.50	212
2	2.32	83
u	1.01	7

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
105	C	S	B140415-BLK4		u	7	0.00206	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 10:54 PM

Peak	rt	Height
1	0.50	123
2	2.33	89
u	1.06	8

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
113	B	CCB	SEQ-CCB		u	8	0.0494		0.0494	< 1.15	accept
Notes											

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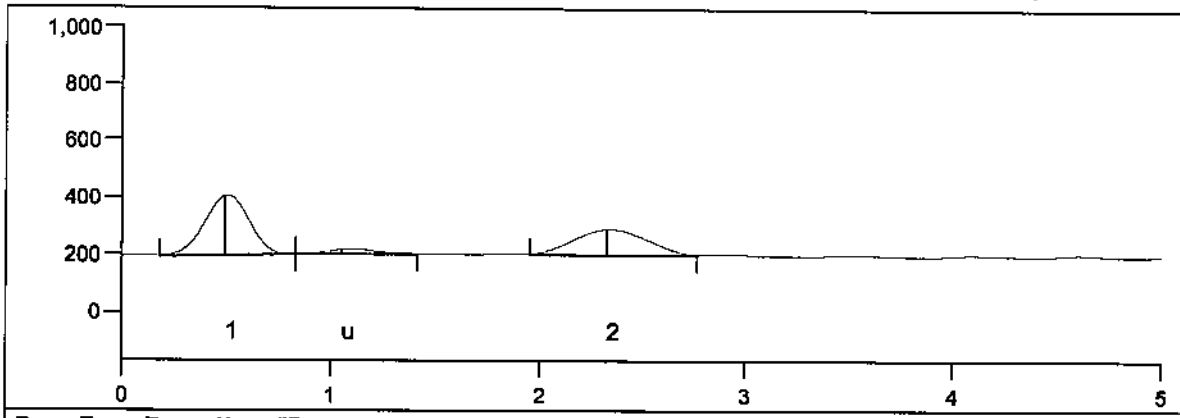
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

Date Analyzed: 3/26/14
Analyst Name: AAP

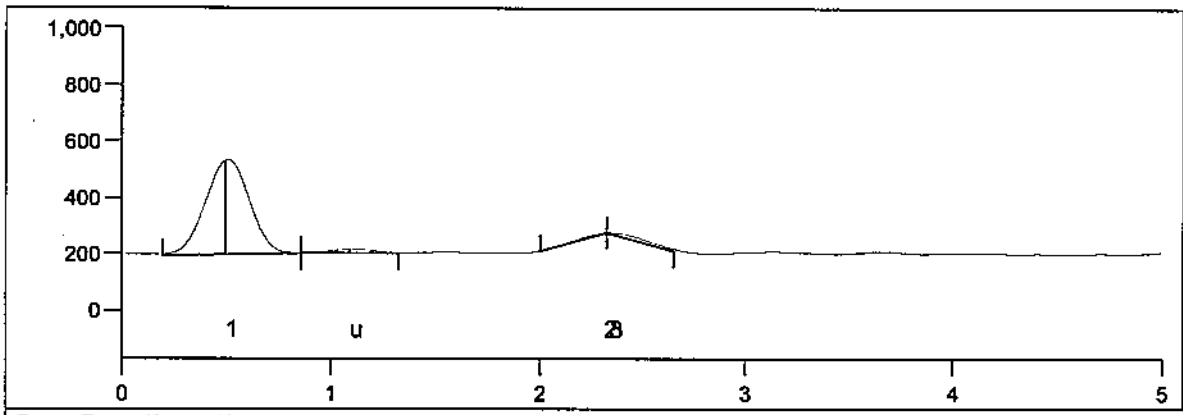


Date: 3/27/14
Time: 12:01 AM

Peak	rt	Height
1	0.50	208
2	2.32	86
u	1.06	15

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
123	C	CCB	SEQ-CCB		u	15	0.0926		0.0926	< 1.15	accept
Notes											

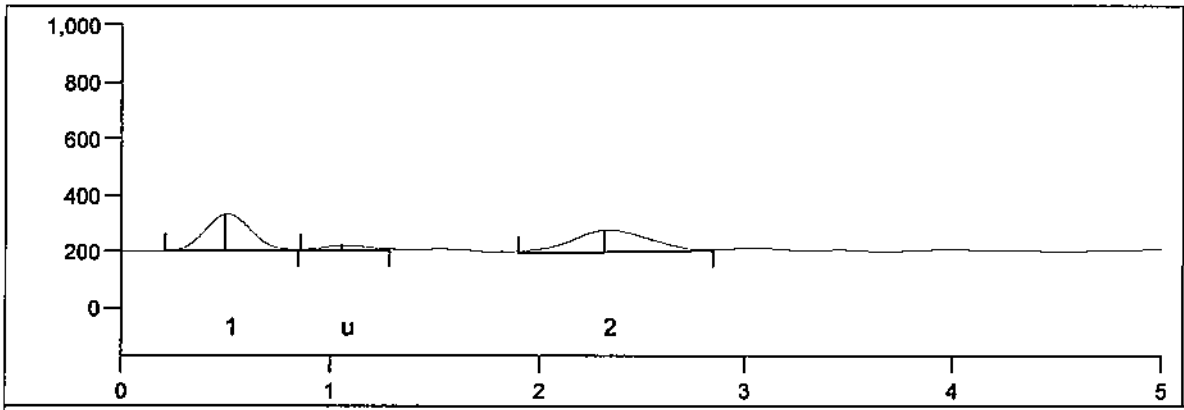


Date: 3/27/14
Time: 12:08 AM

Peak	rt	Height
1	0.50	337
2	2.32	2
3	2.33	3
u	1.08	15

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
124	A	S	B140436-BLK1		u	15	0.0514	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 12:14 AM

Peak	rt	Height
1	0.50	131
2	2.31	73
u	1.05	15

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
125	B	S	B140436-BLK2		u	15	0.0514	0.00		< HS	accept
Notes											

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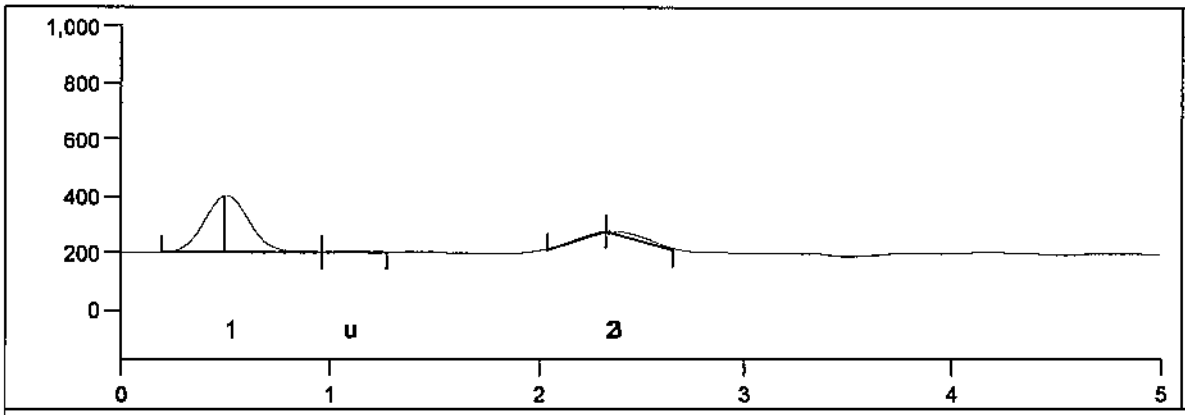
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

Date Analyzed: 3/26/14
Analyst Name: AAP

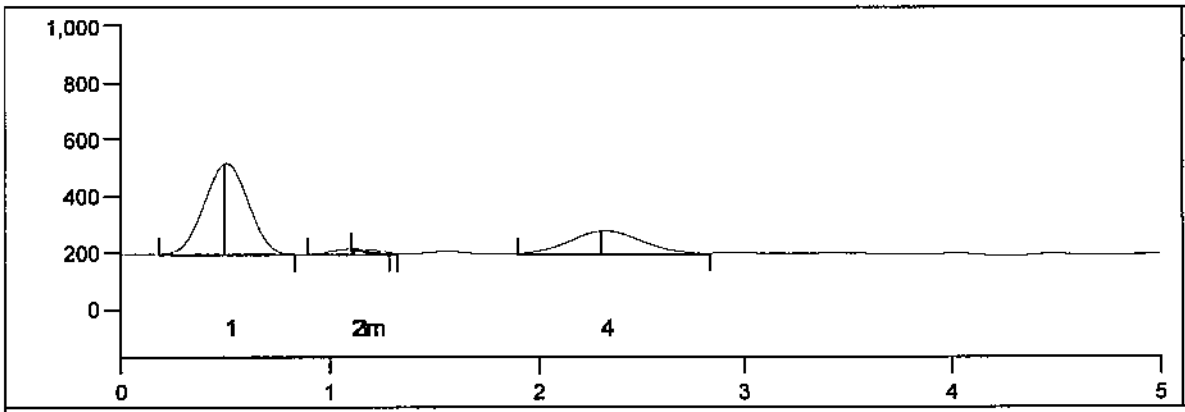


Date: 3/27/14
Time: 12:21 AM

Peak	rt	Height
1	0.50	201
2	2.32	1
3	2.34	4
u	1.06	7

LWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
126	C	S	B140436-BLK3		u	7	0.00206	0.00		< HS	accept
Notes											

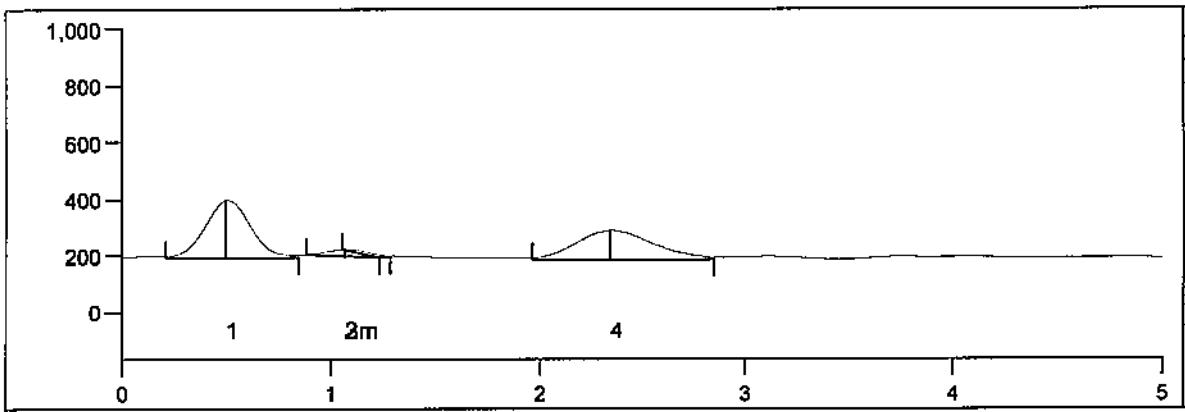


Date: 3/27/14
Time: 12:28 AM

Peak	rt	Height
1	0.50	323
2m	1.11	20
3	1.11	2
4	2.30	79

LWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
127	A	S	B140436-BLK4		2m	20	0.0823	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 12:41 AM

Peak	rt	Height
1	0.50	199
2m	1.06	21
3	1.06	2
4	2.33	94

LWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
129	C	S	1411043-01		2m	21	0.0885	0.00		< HS	accept
Notes											

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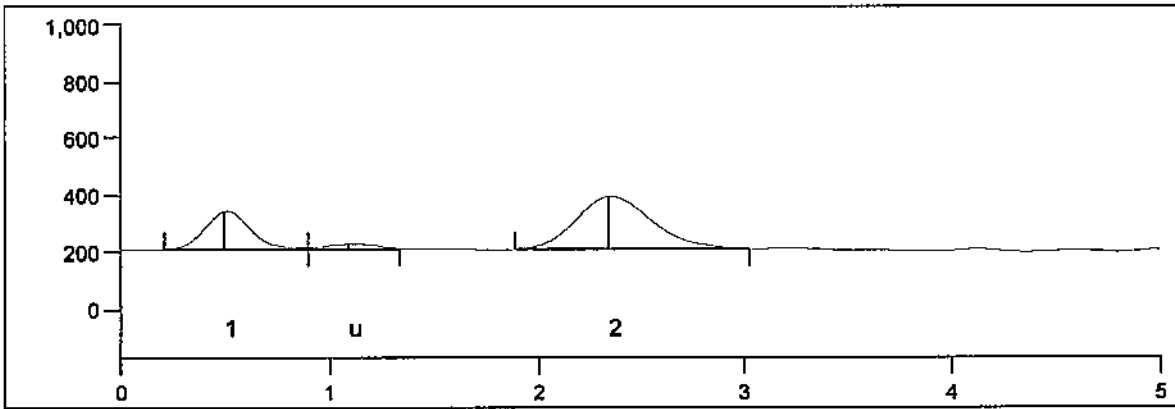
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

Date Analyzed: 3/26/14
Analyst Name: AAP



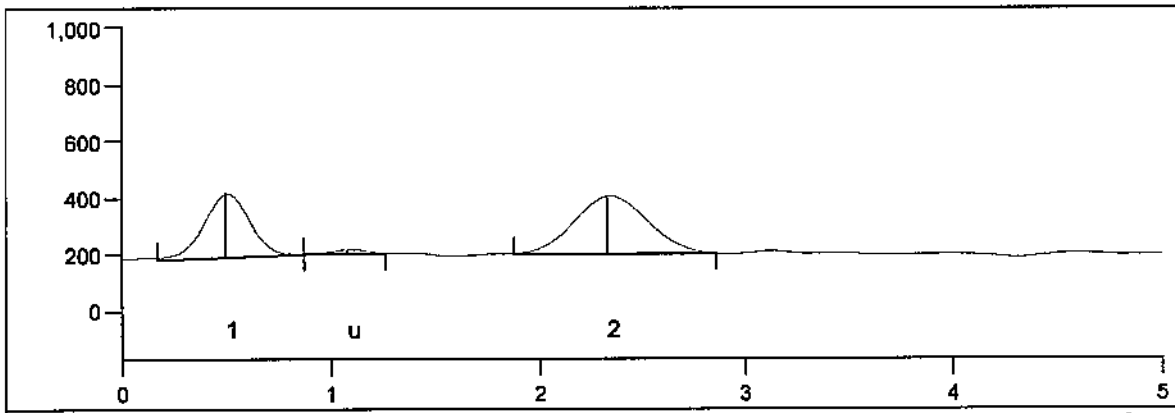
Date: 3/27/14
Time: 3:14 AM

Peak	rt	Height
1	0.50	131
2	2.34	185
u	1.09	13

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
152	B	S	1411043-14		u	13	0.0391	0.00		< HS	accept

Notes



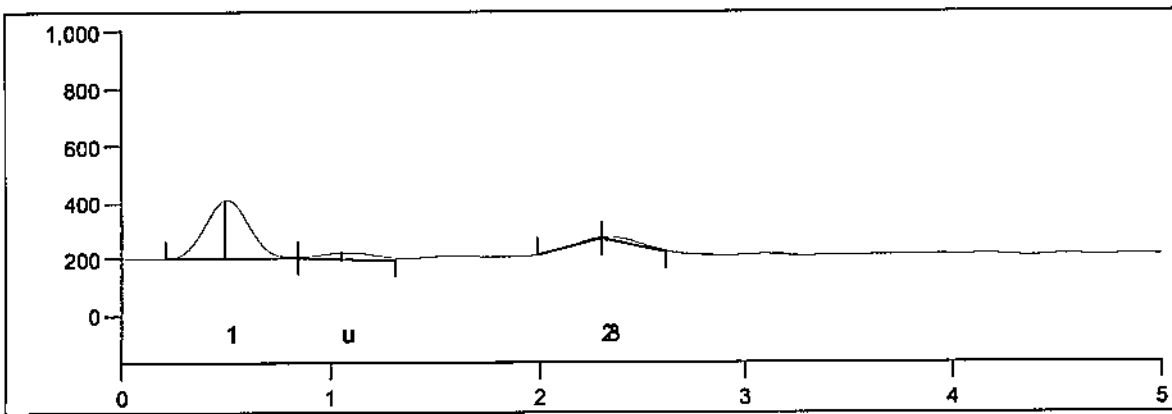
Date: 3/27/14
Time: 3:41 AM

Peak	rt	Height
1	0.50	221
2	2.33	203
u	1.07	15

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
156	C	S	1411043-18		u	15	0.0514	0.00		< HS	accept

Notes



Date: 3/27/14
Time: 4:01 AM

Peak	rt	Height
1	0.50	207
2	2.30	1
3	2.32	3
u	1.05	17

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
159	C	CCB	SEQ-CCB		u	17	0.105		0.105	< 1.15	accept

Notes

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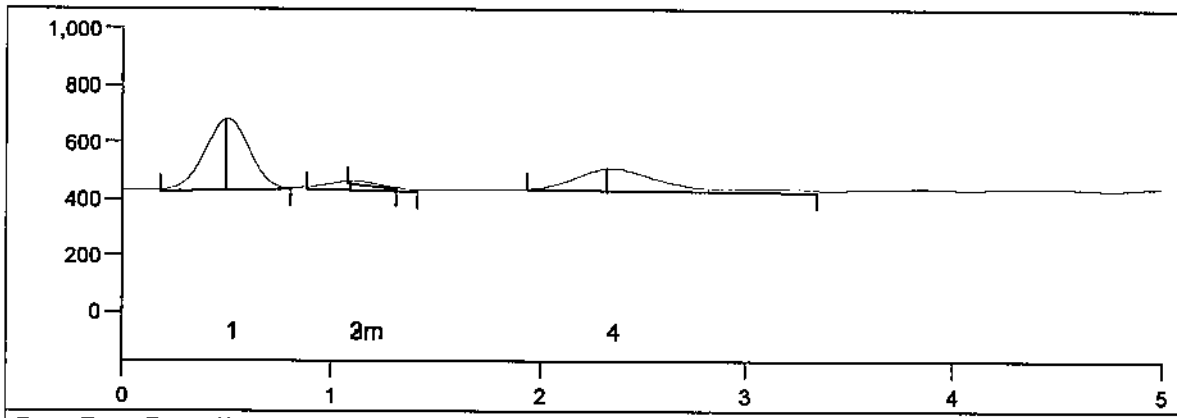
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

Date Analyzed: 3/26/14
Analyst Name: AAP



Date:	3/27/14
Time:	6:41 AM

Peak	rt	Height
1	0.50	246
2m	1.09	24
3	1.09	1
4	2.32	75

CWB
4/1/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
183	C	CCB	SEQ-CCB		2m	24	0.148		0.148	< 1.15	accept
Notes											

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SOP(s)/Rev#(s):BR-0011 Rev013e

MeHg Analysis Benchsheet: MeHg MERX-M

Sequence: 1400248 Batches: B140488,505,415,436

Analyst: AAP Date: 3/26/2014 Instrument ID: BR-09

1 ng/mL std ID: 1409010 $NaBEt_4$ ID: 1406052

0.01 ng/mL std ID: 1409015 Acetate Buffer ID: 1411014

1 ng/mL ICV std ID: 1409012

Pipette ID (if used for sample aliquoting): MeHg Pipette Set Balance ID: BL-02

*distillates are weighed out for analysis since the distillate has a density of 1 g/mL

	Run# / Pos #	BRL Sample ID	Analyze Vol (mL)*	Dilution Factor	Analysis Comments / for spiked QC: Source ID, standard ID, and spike volume
	1	Rinse	--		#1050900
	2	Rinse	--		m
	3	Rinse	--		u
	4	SEQ-IBL1	--		↓
	5	SEQ-IBL2	--		
	6	SEQ-IBL3	--		
	7	SEQ-CAL1	0.05		0.01 ng/mL
	8	SEQ-CAL2	0.1		0.01 ng/mL
	9	SEQ-CAL3	0.2		0.01 ng/mL
	10	SEQ-CAL4	1		0.01 ng/mL
	11	SEQ-CAL5	0.05		1 ng/mL
	12	SEQ-CAL6	0.25		1 ng/mL
	13	SEQ-CAL7	1		1 ng/mL
	14	SEQ-CCB	--		
	15	SEQ-ICV1	0.1		1ng/mL ICV standard
	16	SEQ-CCB	--		
	17	SEQ-CCV	0.025		1 ng/mL
	18	SEQ-CCB	--		m
	19	SEQ-CCB	--		
	20	SEQ-CCB	--		m
	21	B140488-BLK1	29.99		
	22	B140488-BLK2	29.77		
	23	B140488-BLK3	30.24		
	24	B140488-BLK4	30.22		

	25	B140488-BS1	30.51		
	26	B140488-BS2	29.98		
	27	1412033-04	30.20		
	28	1412033-14	29.95		
	29	1412033-22	30.60		
	30	1412033-57	30.65		
	31	SEQ-CCV	0.025		1 ng/mL
	32	SEQ-CCB	--		
	33	1412033-S9	30.14		
	34	1412006-34	29.97		
	35	B140488-MS1	29.94		
	36	B140488-MSD1	30.15		
	37	1412006-35	29.95		
	38	1412006-41	30.22		2m
	39	1412006-49	30.10		
	40	1412006-53	29.91		
	41	1412007-01	30.05		
	42	1412007-02	30.29		
	43	SEQ-CCV	0.025		1 ng/mL
	44	SEQ-CCB	--		U
	45	1412007-03	30.14		
	46	1412007-04	29.83		
	47	1412008-01	30.13		
	48	B140488-MS2	30.02		

	49	B140488-MSD2	29.78		
	50	1412009-01	29.74		
	51	1412021-01	30.12		M
	52	1412021-02	30.07		
	53	1412021-03	29.74		
	54	1412021-04	30.16		
	55	SEQ-CCV	0.025		1 ng/mL
	56	SEQ-CCB	--		M
	57	1412033-05	29.76		
	58	1412033-06	30.01		
	59	1412033-15	30.61		
	60	1412033-16	30.32		
	61	1412033-17	30.57		
	62	1412033-18	29.90		
	63	1412033-19	30.49		
	64	1412033-20	30.30		
	65	1412033-58	30.39		
	66	1412035-02	30.82		
	67	SEQ-CCV	0.025		1 ng/mL
	68	SEQ-CCB	--		U
	69	B140488-MS3	29.81		
	70	B140488-MSD3	29.62		
	71	1412035-04	29.73		
	72	SEQ-CCV	0.025		1 ng/mL

	73	SEQ-CCB	--		
	74	B140505-BLK1	5		
	75	B140505-BLK2	5		U
	76	B140505-BLK3	5		
	77	B140505-BLK4	5		
	78	B140505-BS1	5		
	79	B140505-BS2	5		
	80	B140505-BS3	5		
	81	B140505-BS4	5		
	82	B140505-BS5	5		
	83	B140505-BS6	5		
	84	SEQ-CCV	0.025		1 ng/mL
	85	SEQ-CCB	--		U
	86	B140505-BS7	5		
	87	B140505-BS8	5		
	88	B140505-BS9	5		
	89	B140505-BSA	5		
	90	B140505-BSB	5		
	91	B140505-BSC	5		
	92	B140505-BSD	5		
	93	R&D-BSE	5		
	94	B140505-SRM1	5		
	95	R&D-SRM2	5		
	96	SEQ-CCV	0.025		1 ng/mL

	97	SEQ-CCB	--		#14 @1230
	98	R&D-SRM3	5		
	99	R&D-SRM4	5		
	100	SEQ-CCV	0.025		1 ng/mL
	101	SEQ-CCB	--		
	102	B140415-BLK1	0.03		M
	103	B140415-BLK2	0.03		
	104	B140415-BLK3	0.03		U
	105	B140415-BLK4	0.03		I
	106	B140415-SRM1	0.03		
	107	1411008-07	0.03		
	108	1411008-08	0.03		
	109	1411008-09	0.03		
	110	1411008-10	0.03		
	111	1411008-11	0.03		
	112	SEQ-CCV	0.025		1 ng/mL
	113	SEQ-CCB	--		U
	114	B140415-DUP1	0.03		
	115	B140415-MS1	0.03		
	116	B140415-MSD1	0.03		
	117	1411008-12	0.03		
	118	1411008-13	0.03		
	119	1411008-14	0.03		
	120	1411008-15	0.03		

	121	1411008-16	0.03		
	122	SEQ-CCV	0.025		1 ng/mL
	123	SEQ-CCB	--		u
	124	B140436-BLK1	0.03		↓
	125	B140436-BLK2	0.03		
	126	B140436-BLK3	0.03		
	127	B140436-BLK4	0.03		m
	128	B140436-SRM1	0.03		
	129	1411043-01	0.03		m
	130	B140436-DUP1	0.03		
	131	B140436-MS1	0.03		
	132	B140436-MSD1	0.03		
	133	1411043-02	0.03		
	134	SEQ-CCV	0.025		1 ng/mL
	135	SEQ-CCB	--		
	136	1411043-03	0.03		
	137	1411043-04	0.03		
	138	1411043-05	0.03		
	139	1411043-06	0.03		
	140	1411043-07	0.03		
	141	1411043-08	0.03		
	142	1411043-09	0.03		
	143	B140436-DUP2	0.03		
	144	B140436-MS2	0.03		

	145	B140436-MSD2	0.03		
	146	SEQ-CCV	0.025		1 ng/mL
	147	SEQ-CCB	--		
	148	1411043-10	0.03		
	149	1411043-11	0.03		
	150	1411043-12	0.03		
	151	1411043-13	0.03		
	152	1411043-14	0.03		u
	153	1411043-15	0.03		
	154	1411043-16	0.03		
	155	1411043-17	0.03		
	156	1411043-18	0.03		u
	157	1411043-19	0.03		
	158	SEQ-CCV	0.025		1 ng/mL
	159	SEQ-CCB	--		u
	160	1ng/mL OLD	0.025		
	161	1ng/mL OLD	0.025		1409D10
	162	1ng/mL OLD	0.025		
	163	1ng/mL NEW	0.025		1413016
	164	1ng/mL NEW	0.025		
	165	1ng/mL NEW	0.025		
	166	10ng/mL OLD	0.025		1409011
	167	10ng/mL OLD	0.025		
	168	10ng/mL OLD	0.025		

1	169	10ng/mL NEW	0.025		1413017
2	170	10ng/mL NEW	0.025		⊥
3	171	10ng/mL NEW	0.025		⊥
4	172	ICV OLD	0.1		1409012
5	173	ICV OLD	0.1		⊥
6	174	ICV OLD	0.1		⊥
7	175	ICV NEW	0.1		1413018
8	176	ICV NEW	0.1		⊥
9	177	ICV NEW	0.1		⊥
10	178	SEQ-CCV		0.025	ng/mL
11	179	⊥ -CCB	3.26.14 MAP	~~0.0~~	
12	180	B140488-BS3		25.28	rerun of BS1
13	181	⊥ -BS4		23.83	⊥ BS2
14	182	SEQ-CCV	0.025		ng/mL
15	183	⊥ -CCB	—		m
16	184				
17	185				
18	186				
19	187			3.27.14 MAP	
20	188				
21	189				
22	190				
23	191				
24	192				

25	193				
26	194				
27	195				
28	196				
29	197				
30	198				
31	199				
32	200				
33	201				
34	202				
35	203				
36	204				
37	205				3.27.14 AP
38	206				
39	207				
40	208				
41	209				
42	210				
43	211				
44	212				
45	213				
46	214				
47	215				
48	216				

Brooks Rand Labs

MMHg Biota Prep Benchsheet

SOP/Rev #: BR-0011 Rev 013f

Prepped By: BJT

Batch: B140436

Preparation Start Date/Time*: 3/20/14 @ 1215

Preparation End Date/Time**: 3/21/14 @ 0935

* Time is when the first reagents are added.

** Time is when the last sample is brought upto volume

Sample ID	Sample Mass (g)
1411043-01 QC1	0.0915
1411043-02	0.1098
1411043-03	0.1011
1411043-04	0.1067
1411043-05	0.0963
1411043-06	0.1082
1411043-07	0.1020
1411043-08	0.1067
1411043-09 QC2	0.1029
1411043-10	0.0938
1411043-11	0.1028
1411043-12	0.1087
1411043-13	0.1179
1411043-14	0.0928
1411043-15	0.0941
1411043-16	0.0944
1411043-17	0.1121
1411043-18	0.1018

Sample ID	Sample Mass (g)
1411043-19	0.1085
B140436-BLK1	—
B140436-BLK2	—
B140436-BLK3	—
B140436-BLK4	—
B140436-DUP1	0.1069
B140436-DUP2	0.0978
B140436-MS1	0.0993
B140436-MS2	0.0997
B140436-MSD1	0.1084
B140436-MSD2	0.1033
B140436-SRM1	0.0532

3.26.14 MP

Sample ID	Sample Mass (g)

Batch QC ID	Sample Source	Spike vol (uL)	Spike conc (ng/mL)	Spike/CRM ID	Spike Wt* ness
Dup/MS/MSD1	43-01	20	1000	1348033	CE 3/20/14
Dup/MS/MSD2	43-09	↓	↓	↓	↓
SRM1	TORT-3	—	—	1327017	—

3.26.14 MP

Target Temp/Time: 65 C/4 hours

Oven ID: DV-06

Oven Temp (measured / corrected): 66 / 65

time on: 1224

time off: 1624

Balance ID: BL-18

Thermometer ID: BR-02

Final Dilution Volume: 2.5

Reagent	ID
1 mL KOH/Me	1409007
Methanol	1331053

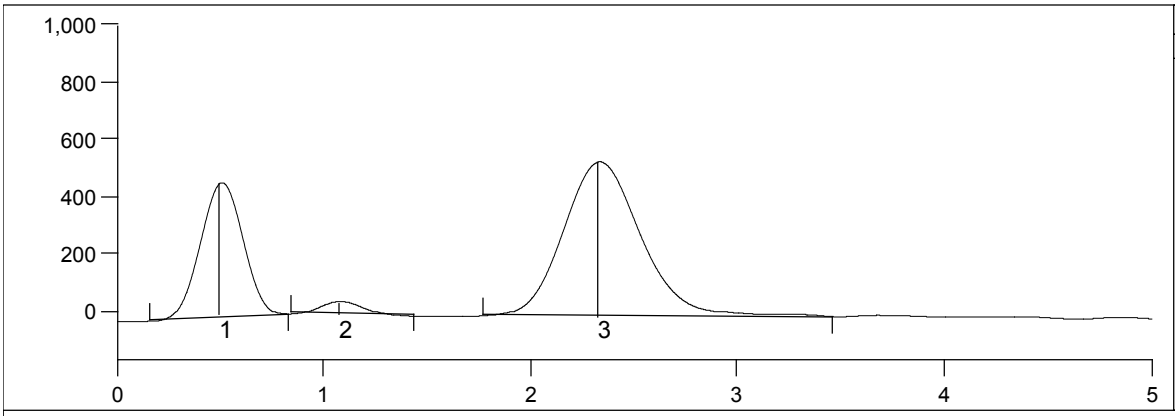
Comments:

Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

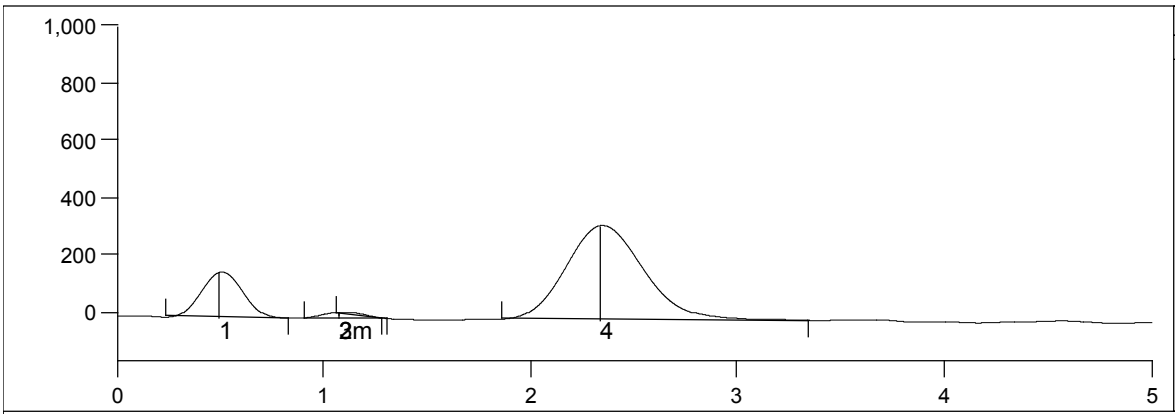
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 10:28 AM

Peak	rt	Height
1	0.50	476
2	1.07	49
3	2.33	542

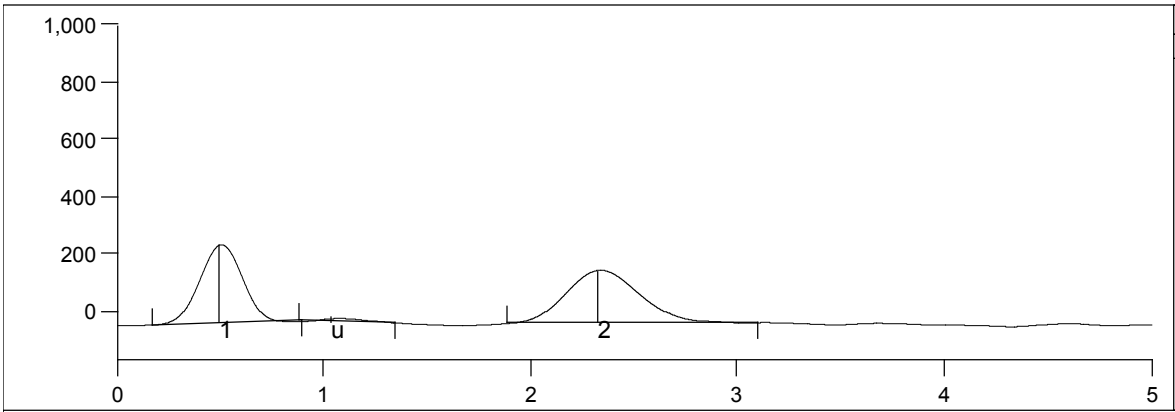
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
1	A	Rins	Rinse		2	49	0.302	0.00	0.00	< 0.05	accept
Notes											



Date: 3/26/14
Time: 10:34 AM

Peak	rt	Height
1	0.50	162
2m	1.07	21
3	1.08	2
4	2.34	332

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
2	B	Rins	Rinse		2m	21	0.130	0.00	0.00	< 0.05	accept
Notes											



Date: 3/26/14
Time: 10:41 AM

Peak	rt	Height
1	0.50	278
2	2.33	188
u	1.04	13

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
3	C	Rins	Rinse		u	13	0.0803	0.00	0.00	< 0.05	accept
Notes											

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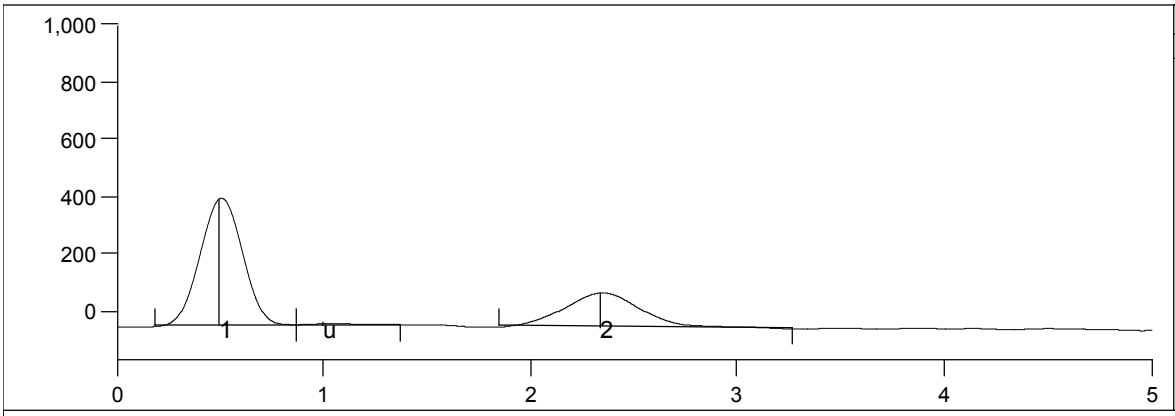
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

Date Analyzed: 3/26/14
Analyst Name: AAP

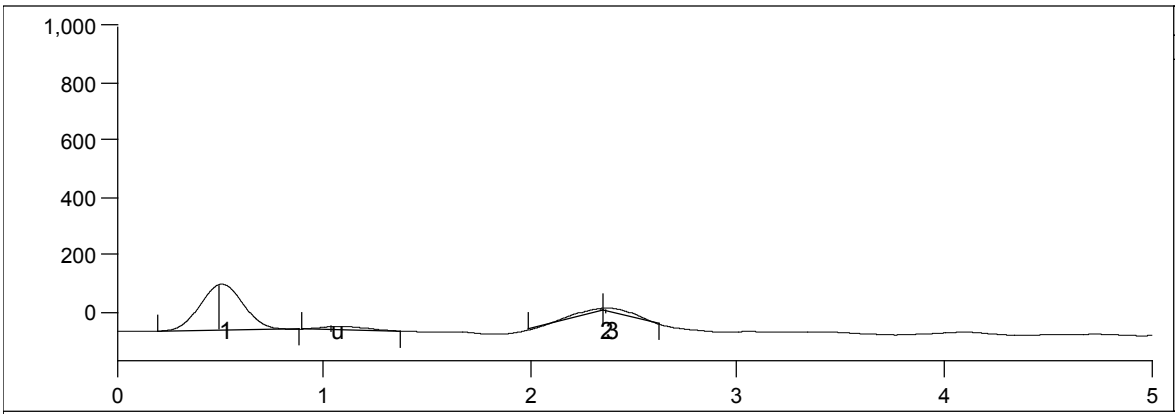


Date: 3/26/14
Time: 10:48 AM

Peak	rt	Height
1	0.50	450
2	2.34	124
u	0.99	4

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
4	A	CB	SEQ-IBL		u	4	0.0247		0.0247	< 1.4	accept

Notes

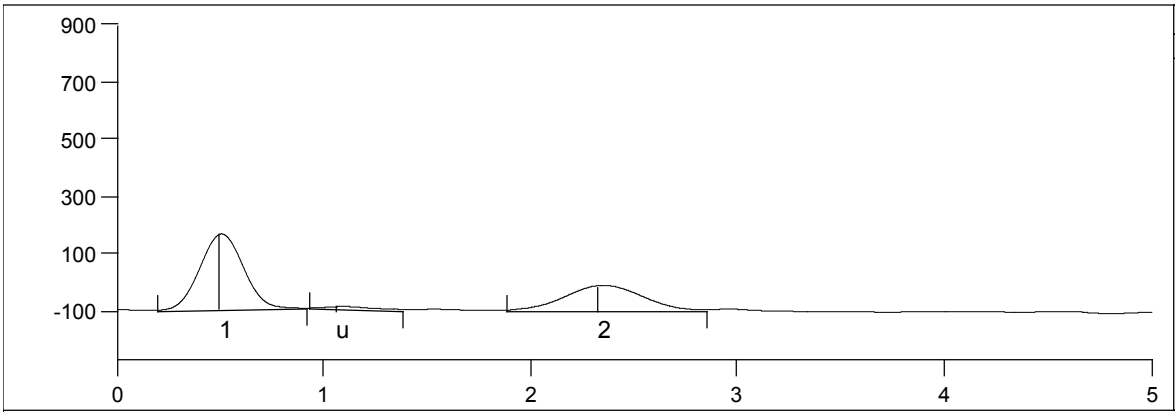


Date: 3/26/14
Time: 10:54 AM

Peak	rt	Height
1	0.50	164
2	2.34	1
3	2.36	3
u	1.04	10

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
5	B	CB	SEQ-IBL		u	10	0.0617		0.0617	< 1.4	accept

Notes



Date: 3/26/14
Time: 11:01 AM

Peak	rt	Height
1	0.50	265
2	2.33	86
u	1.06	6

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
6	C	CB	SEQ-IBL		u	6	0.0370		0.0370	< 1.4	accept

Notes

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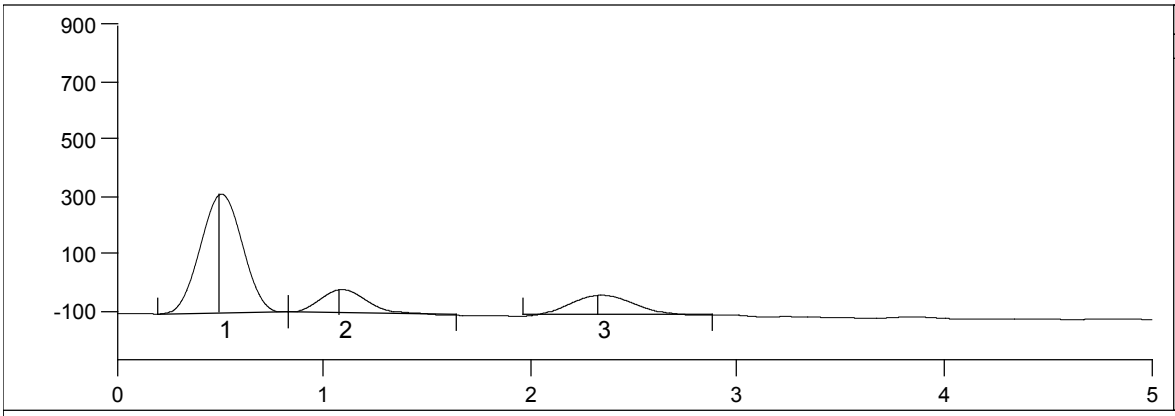
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

Date Analyzed: 3/26/14
Analyst Name: AAP

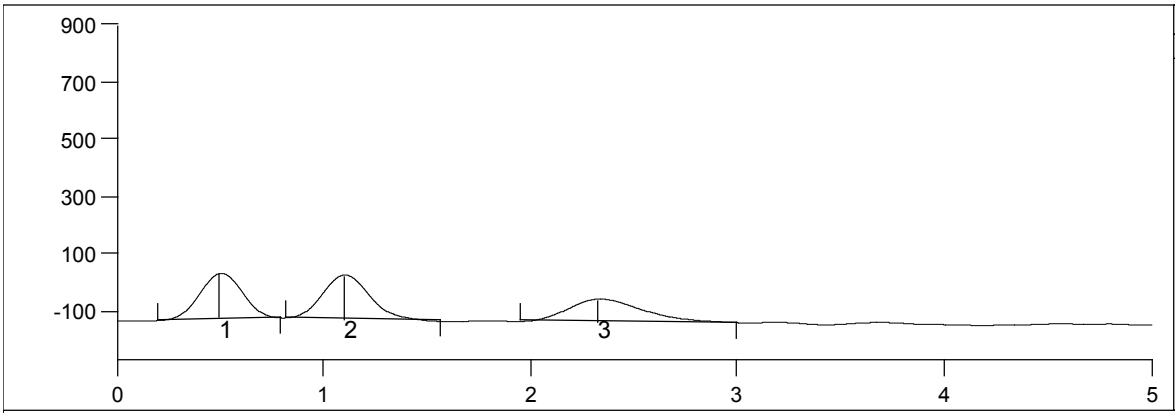


Date: 3/26/14
Time: 11:08 AM

Peak	rt	Height
1	0.50	420
2	1.08	84
3	2.33	75

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
7	A	STD	SEQ-CAL1		2	84	0.477		95.5	65-135	accept

Notes

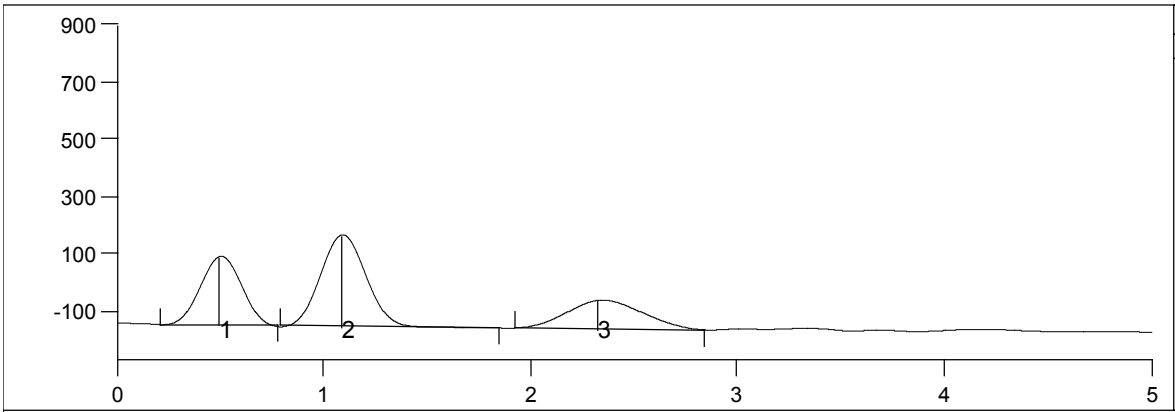


Date: 3/26/14
Time: 11:14 AM

Peak	rt	Height
1	0.50	164
2	1.10	158
3	2.33	83

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
8	B	STD	SEQ-CAL2		2	158	0.934		93.4	65-135	accept

Notes



Date: 3/26/14
Time: 11:21 AM

Peak	rt	Height
1	0.50	245
2	1.08	326
3	2.33	102

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
9	C	STD	SEQ-CAL3		2	326	1.97		98.6	65-135	accept

Notes

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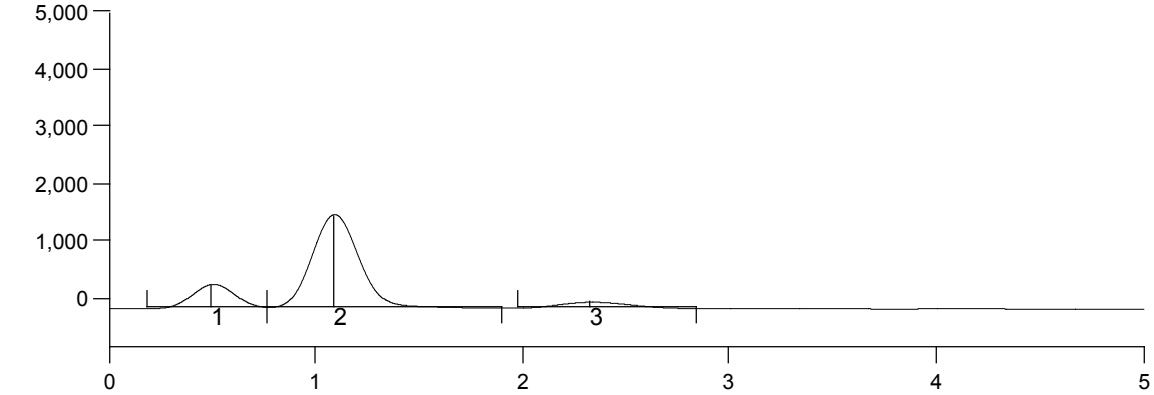
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

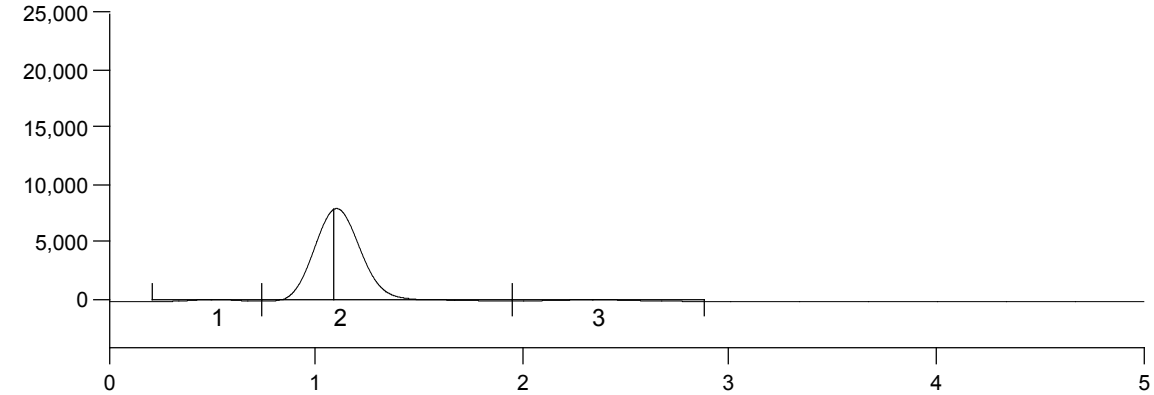
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 11:28 AM

Peak	rt	Height
1	0.50	425
2	1.08	1,641
3	2.32	108

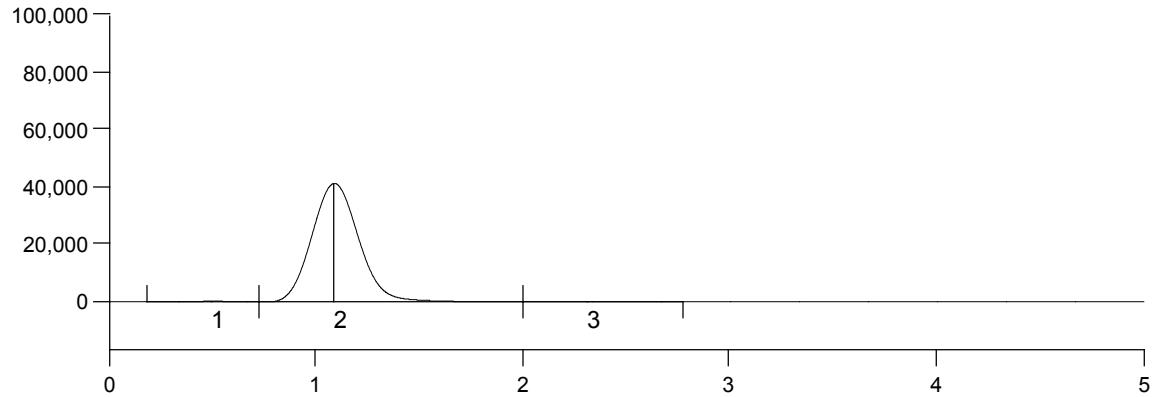
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
10	A	STD	SEQ-CAL4		2	1,641	10.1		101	65-135	accept
Notes											



Date: 3/26/14
Time: 11:34 AM

Peak	rt	Height
1	0.50	185
2	1.10	8,179
3	2.34	129

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
11	B	STD	SEQ-CAL5		2	8,179	50.4		101	65-135	accept
Notes											



Date: 3/26/14
Time: 11:41 AM

Peak	rt	Height
1	0.50	463
2	1.08	41,658
3	2.31	202

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
12	C	STD	SEQ-CAL6		2	41,658	257		103	65-135	accept
Notes											

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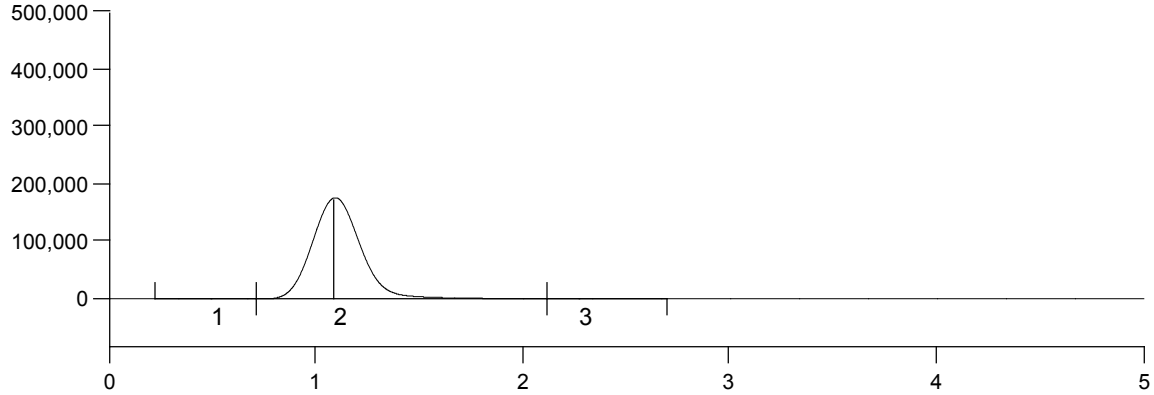
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

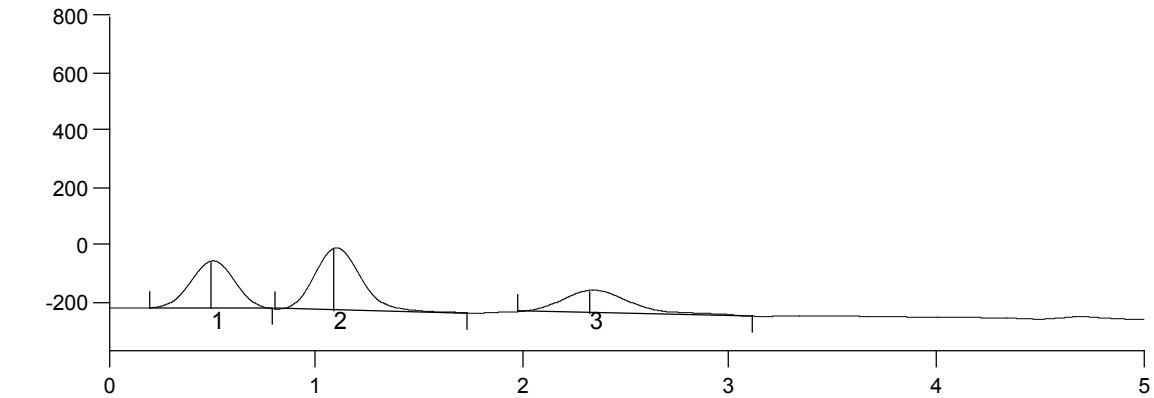
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 11:48 AM

Peak	rt	Height
1	0.50	1,085
2	1.09	177,431
3	2.27	180

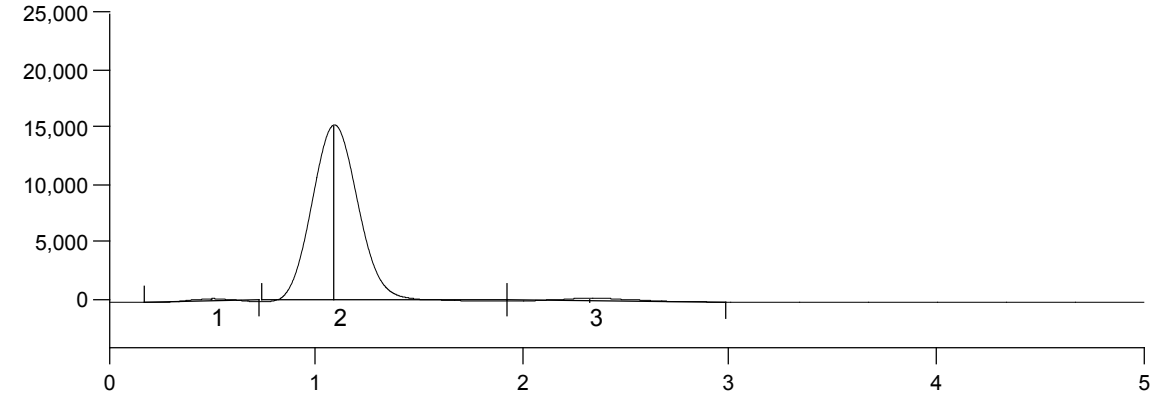
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
13	A	STD	SEQ-CAL7		2	177,431	1,100		110.	65-135	accept
Notes											



Date: 3/26/14
Time: 11:54 AM

Peak	rt	Height
1	0.50	169
2	1.09	221
3	2.32	82

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
14	B	CCB	SEQ-CCB		2	221	1.36		1.36	< 1.15	reject
Notes											



Date: 3/26/14
Time: 12:01 PM

Peak	rt	Height
1	0.50	360
2	1.08	15,549
3	2.33	366

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
15	C	ICV	SEQ-ICV		2	15,549	95.9		95.9	80-120	accept
Notes											

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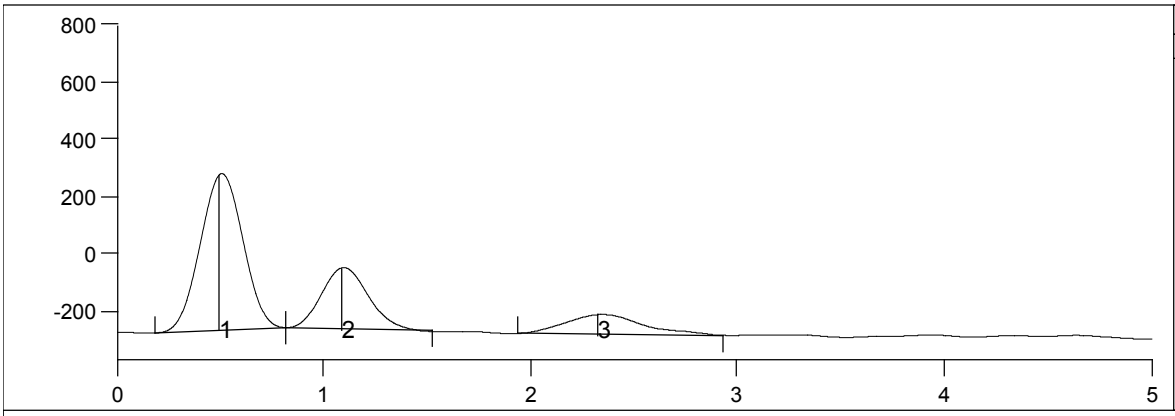
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

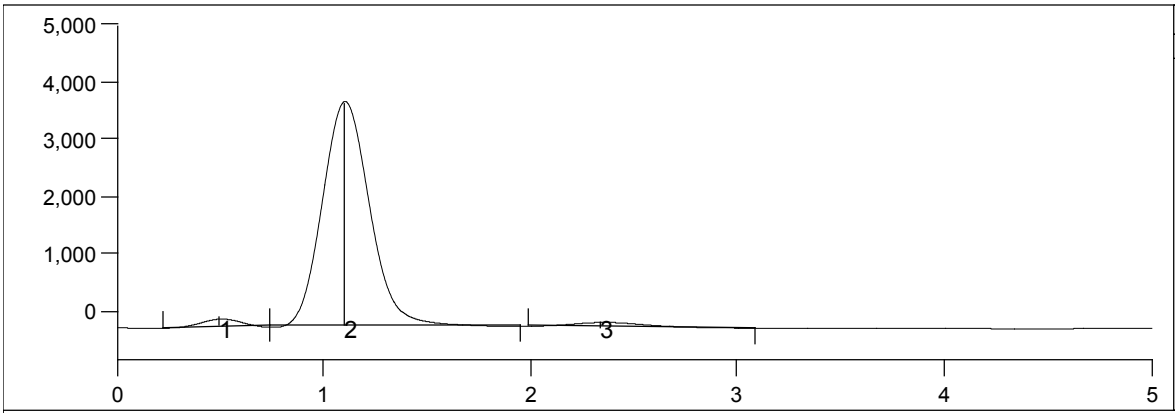
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 12:08 PM

Peak	rt	Height
1	0.50	552
2	1.09	218
3	2.33	69

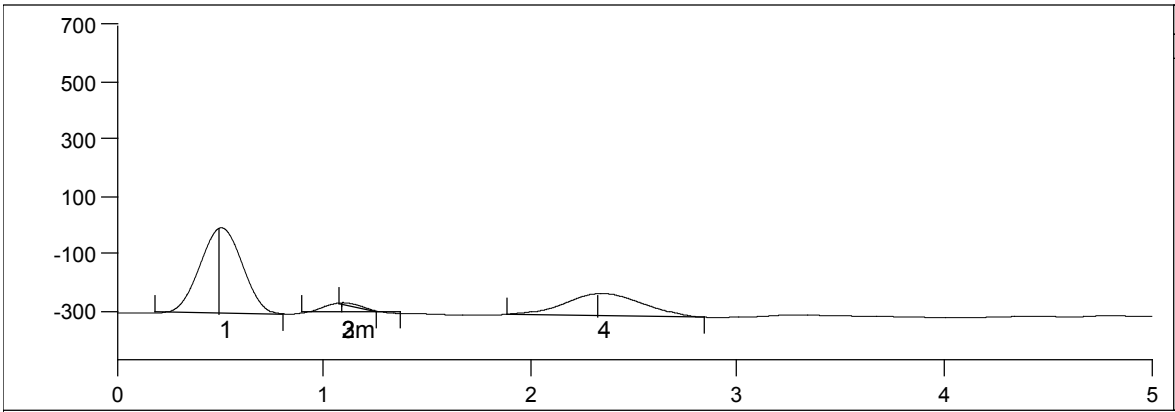
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
16	A	CCB	SEQ-CCB		2	218	1.35		1.35	< 1.15	reject
Notes											



Date: 3/26/14
Time: 12:14 PM

Peak	rt	Height
1	0.50	152
2	1.10	3,964
3	2.34	79

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
17	B	CCV	SEQ-CCV		2	3,964	24.4		97.7	67-133	accept
Notes											



Date: 3/26/14
Time: 12:21 PM

Peak	rt	Height
1	0.50	304
2m	1.08	39
3	1.09	2
4	2.33	80

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
18	C	CCB	SEQ-CCB		2m	39	0.241		0.241	< 1.15	accept
Notes											

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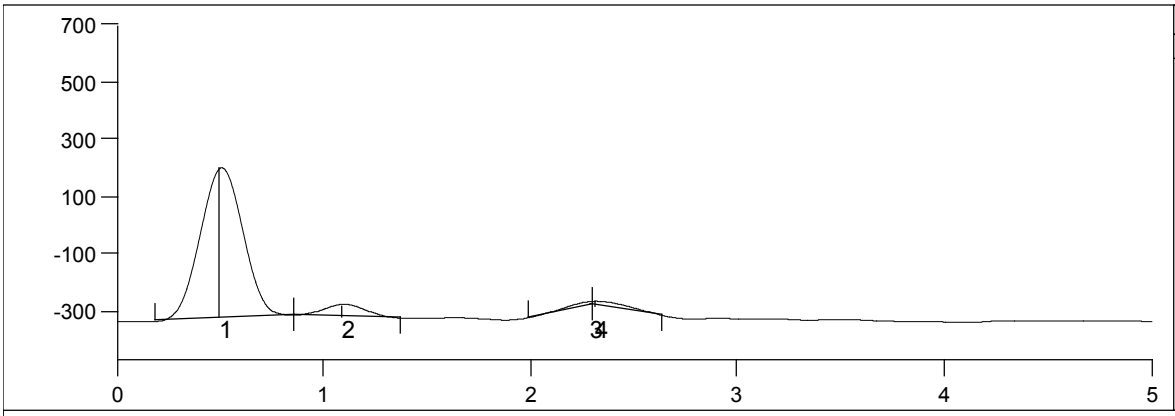
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

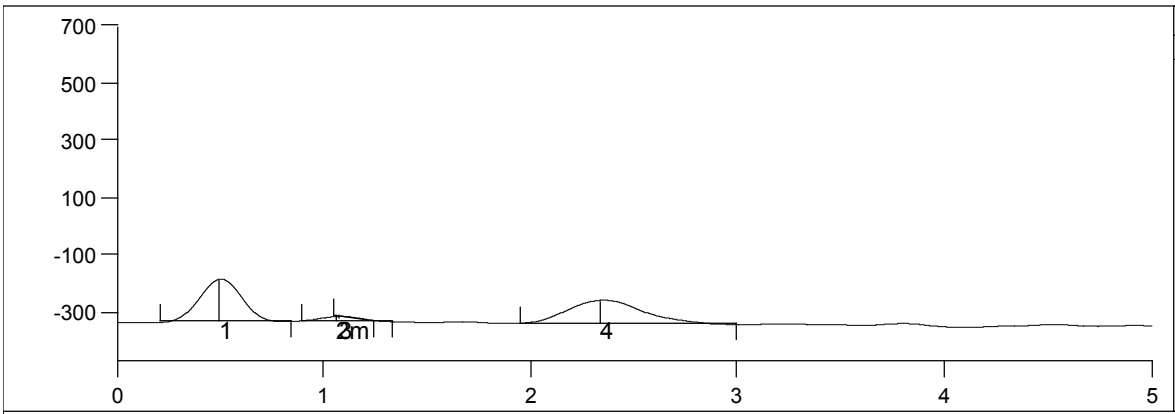
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 12:28 PM

Peak	rt	Height
1	0.50	531
2	1.09	45
3	2.29	2
4	2.31	2

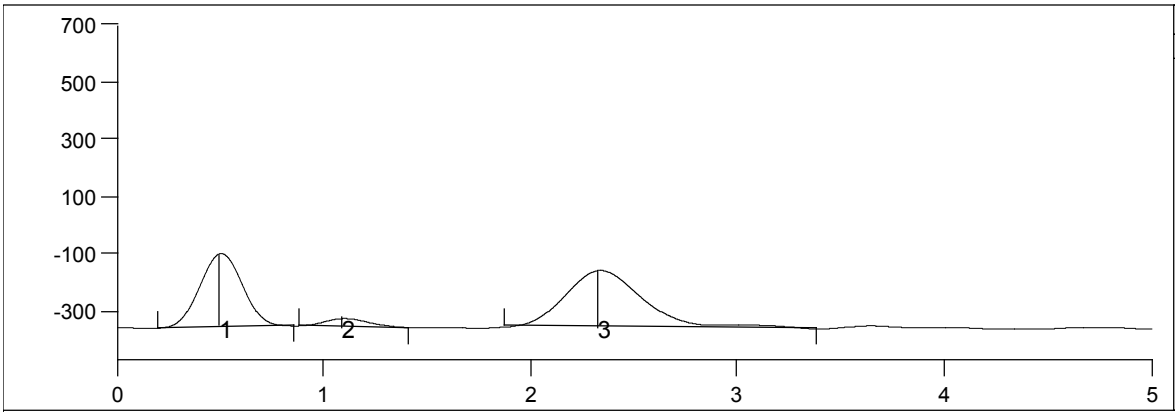
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
19	A	CCB	SEQ-CCB		2	45	0.278		0.278	< 1.15	accept
Notes											



Date: 3/26/14
Time: 12:34 PM

Peak	rt	Height
1	0.50	154
2m	1.06	17
3	1.07	2
4	2.34	85

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
20	B	CCB	SEQ-CCB		2m	17	0.105		0.105	< 1.15	accept
Notes											



Date: 3/26/14
Time: 12:41 PM

Peak	rt	Height
1	0.50	261
2	1.09	28
3	2.32	202

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
21	C	S	B140488-BLK1		2	28	0.132	0.00		< HS	accept
Notes											

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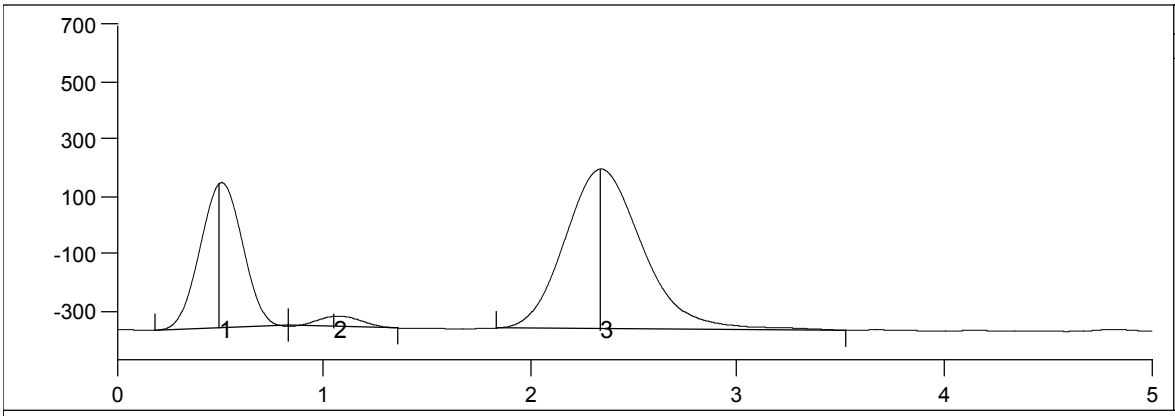
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

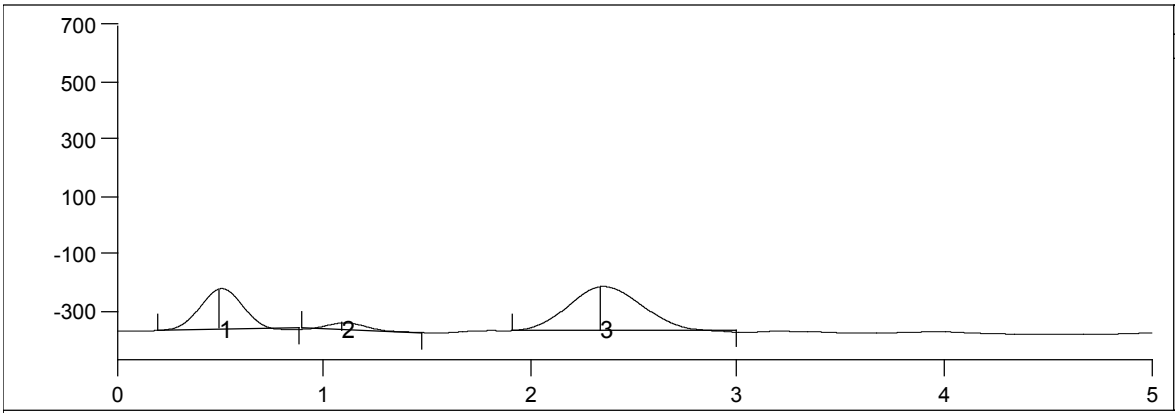
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/26/14
Time: 12:48 PM

Peak	rt	Height
1	0.50	514
2	1.05	38
3	2.33	561

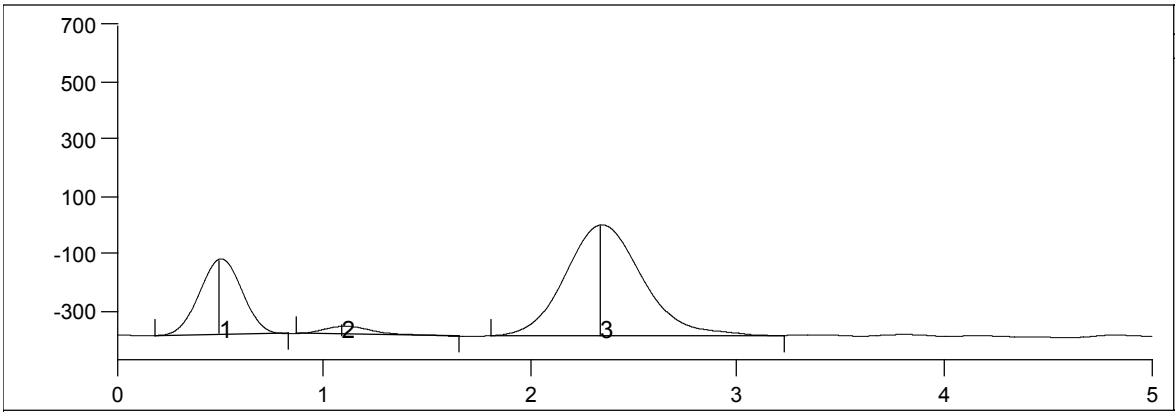
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
22	A	S	B140488-BLK2		2	38	0.193	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 12:54 PM

Peak	rt	Height
1	0.50	148
2	1.08	25
3	2.34	158

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
23	B	S	B140488-BLK3		2	25	0.113	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 1:01 PM

Peak	rt	Height
1	0.50	269
2	1.09	28
3	2.34	390

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
24	C	S	B140488-BLK4		2	28	0.132	0.00		< HS	accept
Notes											

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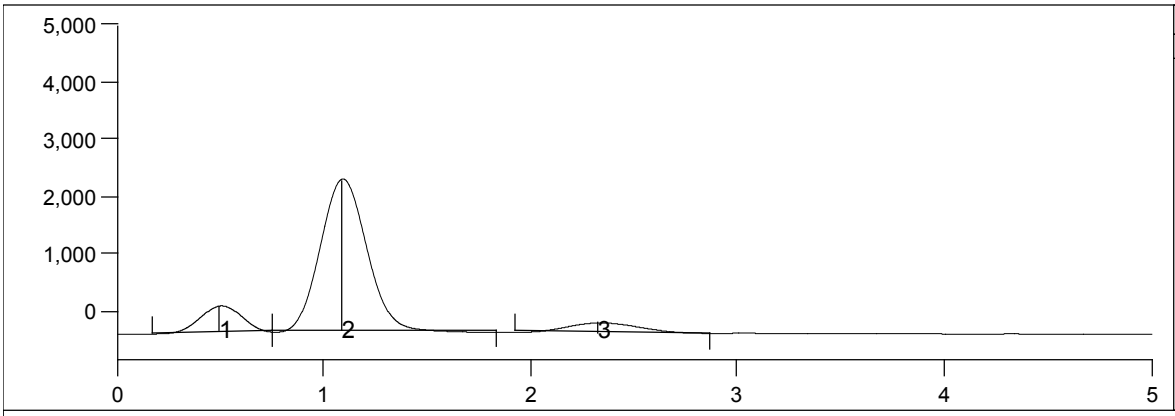
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

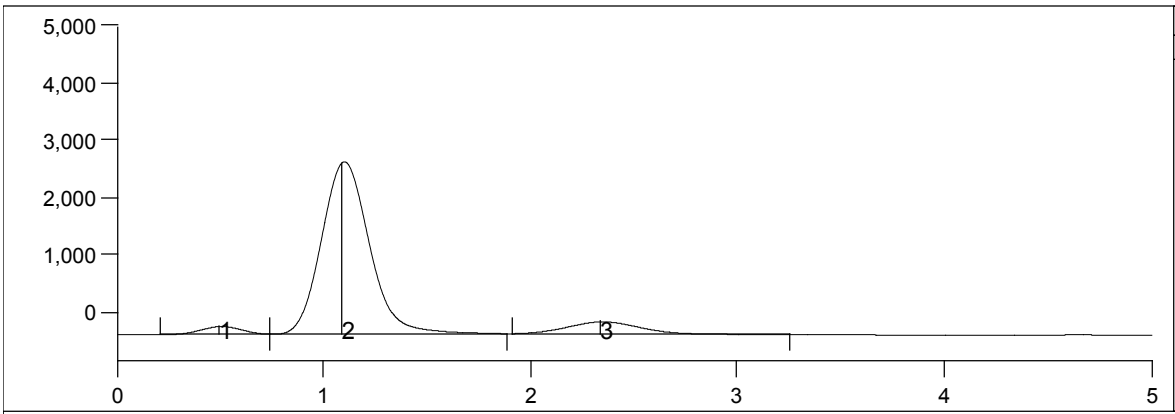
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/26/14
Time: 1:08 PM

Peak	rt	Height
1	0.50	487
2	1.09	2,700
3	2.32	175

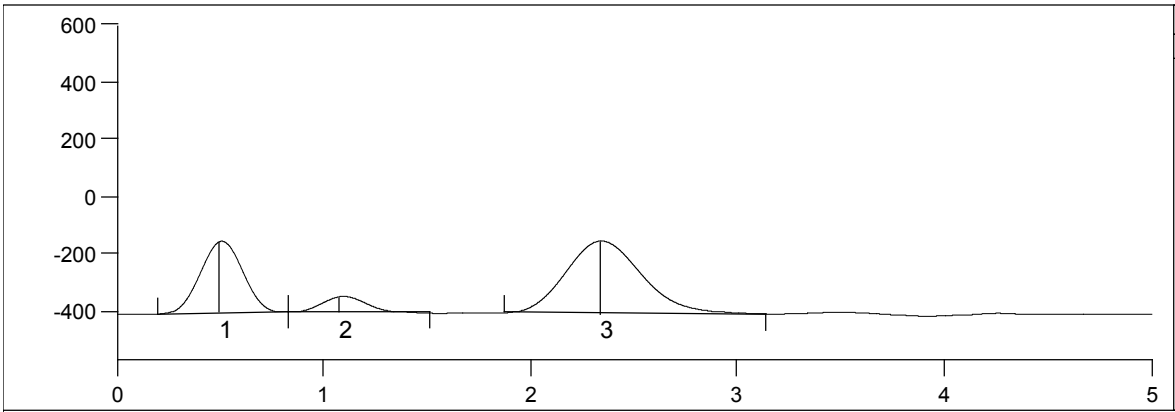
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
25	A	S	B140488-BS1		2	2,700	16.6	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 1:14 PM

Peak	rt	Height
1	0.50	140
2	1.09	3,031
3	2.34	213

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
26	B	S	B140488-BS2		2	3,031	18.7	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 1:21 PM

Peak	rt	Height
1	0.50	255
2	1.08	58
3	2.33	255

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
27	C	S	1412033-04		2	58	0.317	0.00		< HS	accept
Notes											

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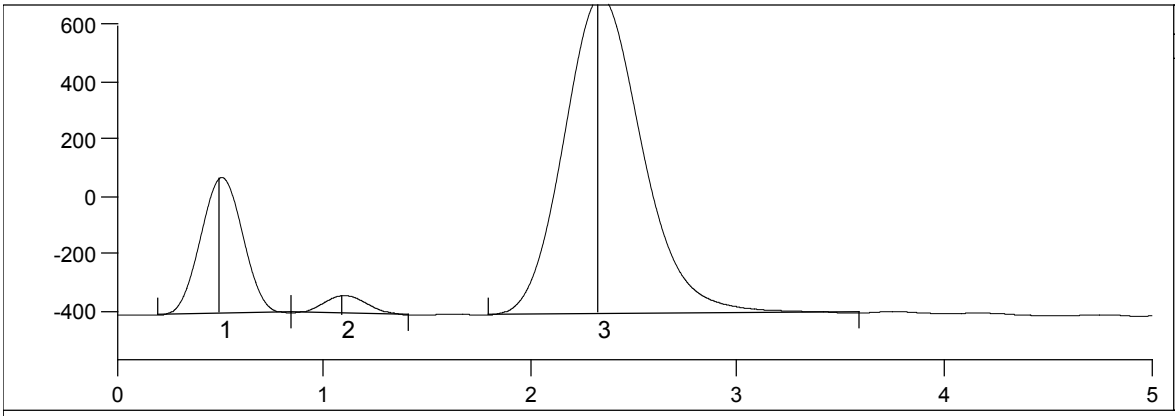
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

Date Analyzed: 3/26/14
Analyst Name: AAP

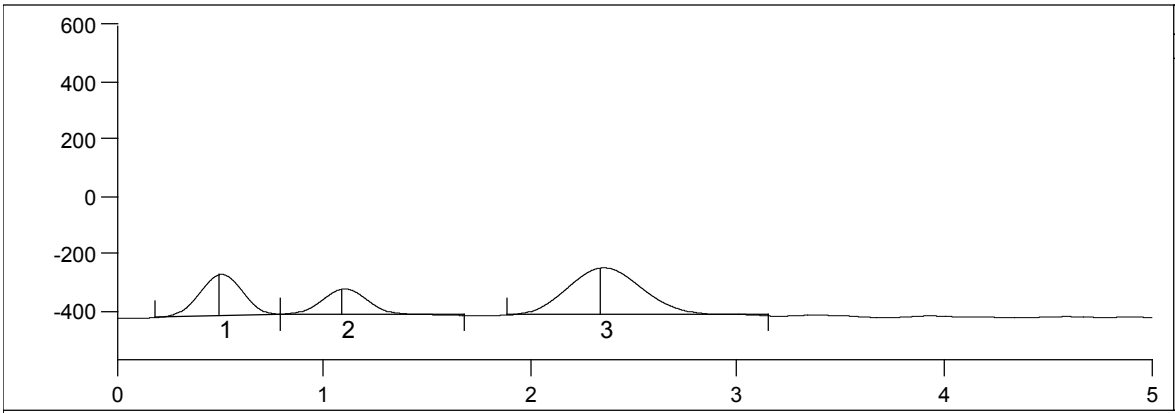


Date: 3/26/14
Time: 1:28 PM

Peak	rt	Height
1	0.50	481
2	1.09	66
3	2.33	1,116

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
28	A	S	1412033-14		2	66	0.366	0.00		< HS	accept

Notes

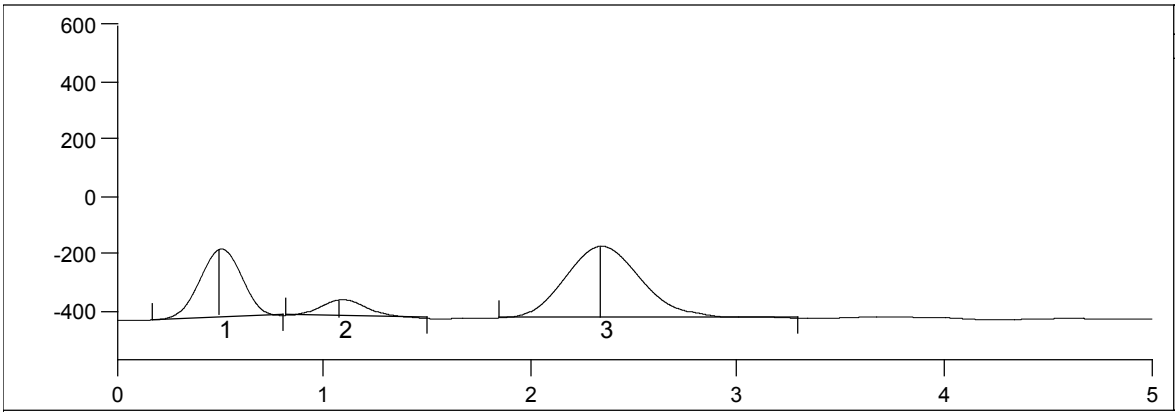


Date: 3/26/14
Time: 1:34 PM

Peak	rt	Height
1	0.50	147
2	1.10	93
3	2.34	169

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
29	B	S	1412033-22		2	93	0.533	0.00		< HS	accept

Notes



Date: 3/26/14
Time: 1:41 PM

Peak	rt	Height
1	0.50	244
2	1.08	61
3	2.33	253

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
30	C	S	1412033-57		2	61	0.335	0.00		< HS	accept

Notes

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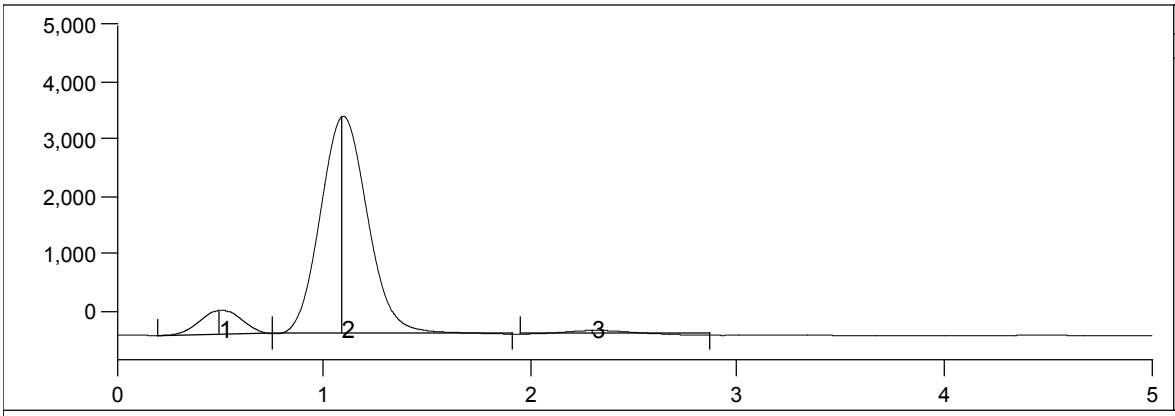
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

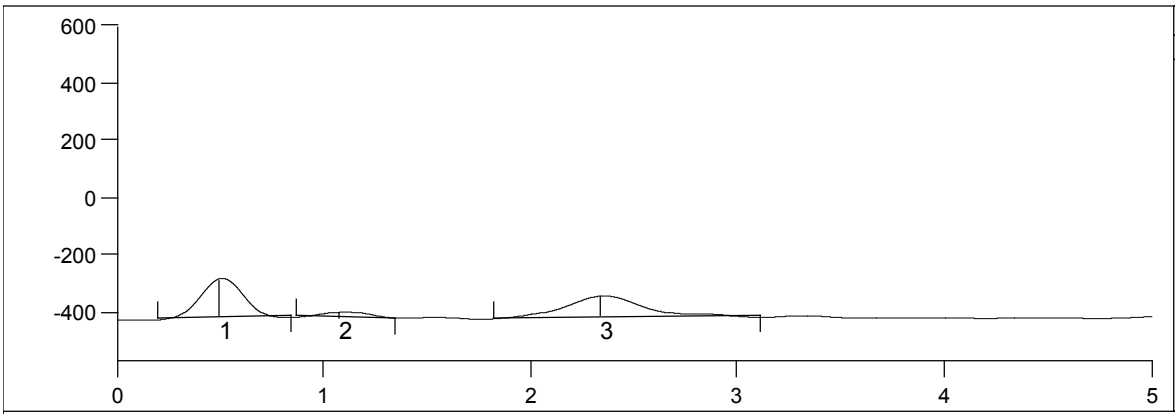
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 1:48 PM

Peak	rt	Height
1	0.50	440
2	1.09	3,829
3	2.30	73

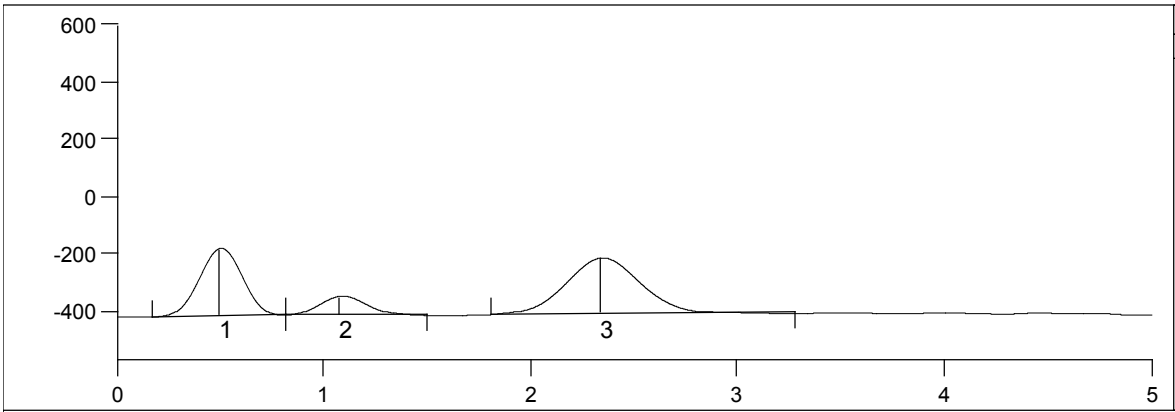
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
31	A	CCV	SEQ-CCV		2	3,829	23.6		94.4	67-133	accept
Notes											



Date: 3/26/14
Time: 1:54 PM

Peak	rt	Height
1	0.50	144
2	1.08	21
3	2.34	81

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
32	B	CCB	SEQ-CCB		2	21	0.130		0.130	< 1.15	accept
Notes											



Date: 3/26/14
Time: 2:01 PM

Peak	rt	Height
1	0.50	240
2	1.08	69
3	2.34	200

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
33	C	S	1412033-59		2	69	0.385	0.00		< HS	accept
Notes											

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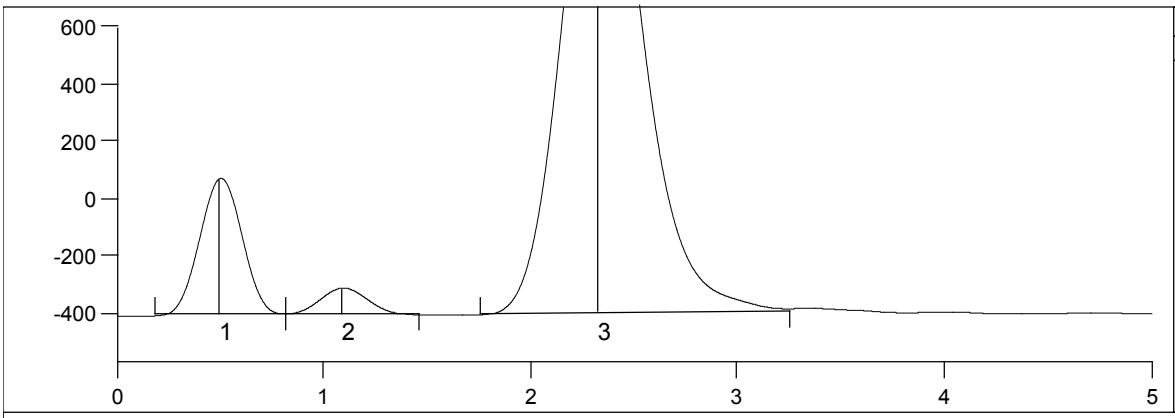
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

Date Analyzed: 3/26/14
Analyst Name: AAP

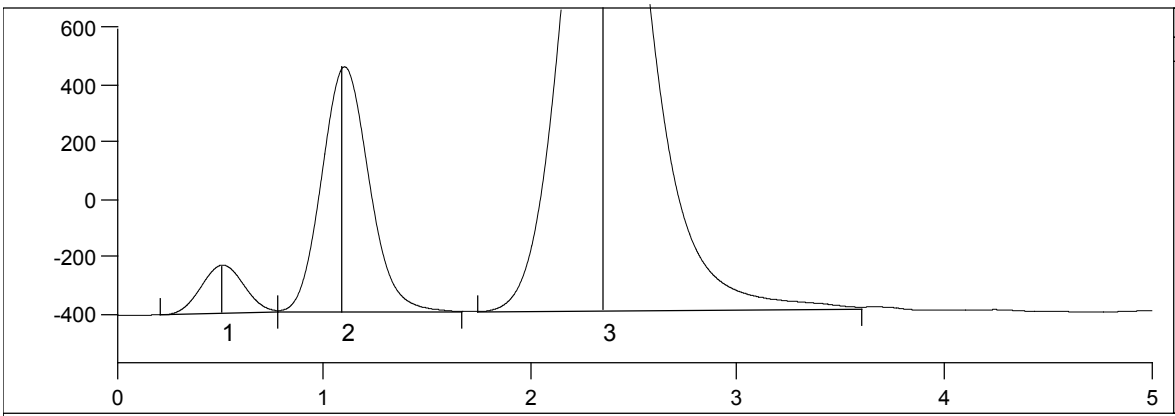


Date: 3/26/14
Time: 2:08 PM

Peak	rt	Height
1	0.50	480
2	1.09	93
3	2.33	1,937

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
34	A	S	1412006-34		2	93	0.533	0.00		< HS	accept

Notes

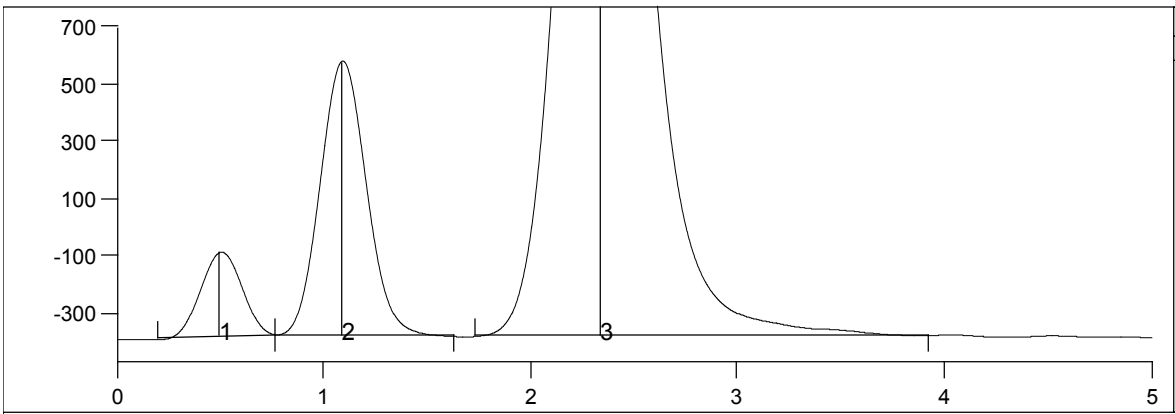


Date: 3/26/14
Time: 2:14 PM

Peak	rt	Height
1	0.50	168
2	1.09	855
3	2.35	2,319

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
35	B	S	B140488-MS1		2	855	5.24	0.00		< HS	accept

Notes



Date: 3/26/14
Time: 2:21 PM

Peak	rt	Height
1	0.50	301
2	1.08	964
3	2.34	3,584

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
36	C	S	B140488-MSD1		2	964	5.91	0.00		< HS	accept

Notes

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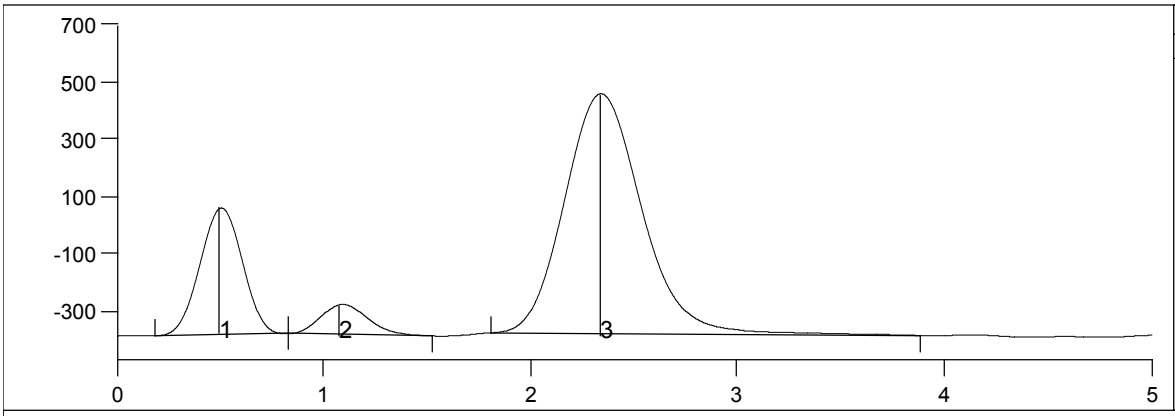
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

Date Analyzed: 3/26/14
Analyst Name: AAP

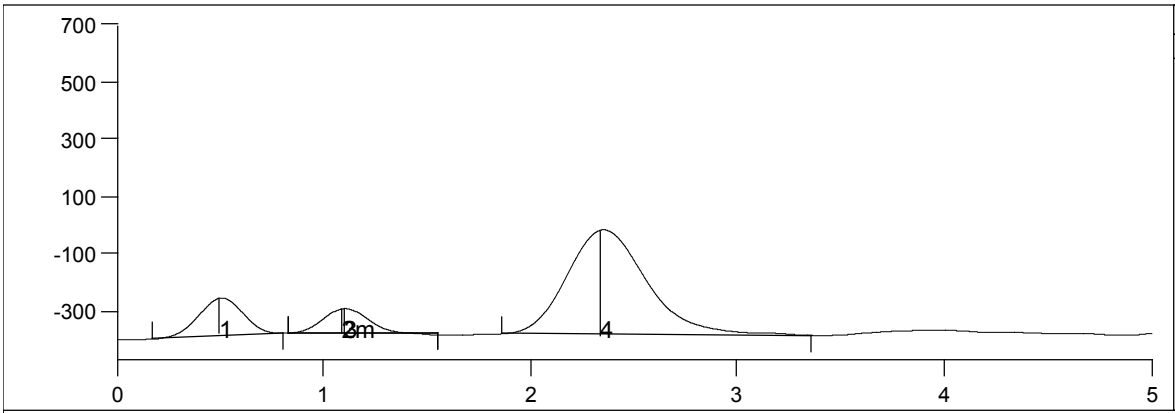


Date: 3/26/14
Time: 2:28 PM

Peak	rt	Height
1	0.50	448
2	1.08	107
3	2.33	842

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
37	A	S	1412006-35		2	107	0.619	0.00		< HS	accept

Notes

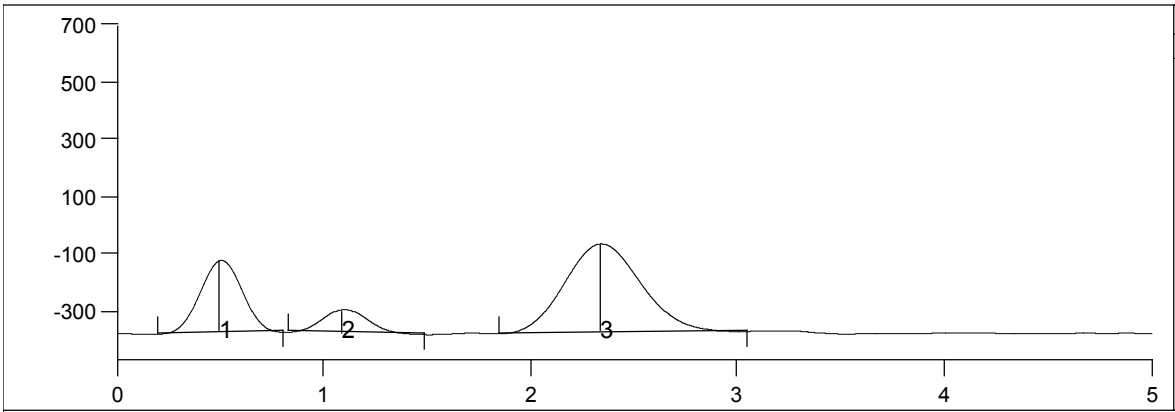


Date: 3/26/14
Time: 2:34 PM

Peak	rt	Height
1	0.50	136
2m	1.09	90
3	1.10	90
4	2.34	368

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
38	B	S	1412006-41		2m	90	0.514	0.00		< HS	accept

Notes



Date: 3/26/14
Time: 2:41 PM

Peak	rt	Height
1	0.50	259
2	1.09	84
3	2.34	315

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
39	C	S	1412006-49		2	84	0.477	0.00		< HS	accept

Notes

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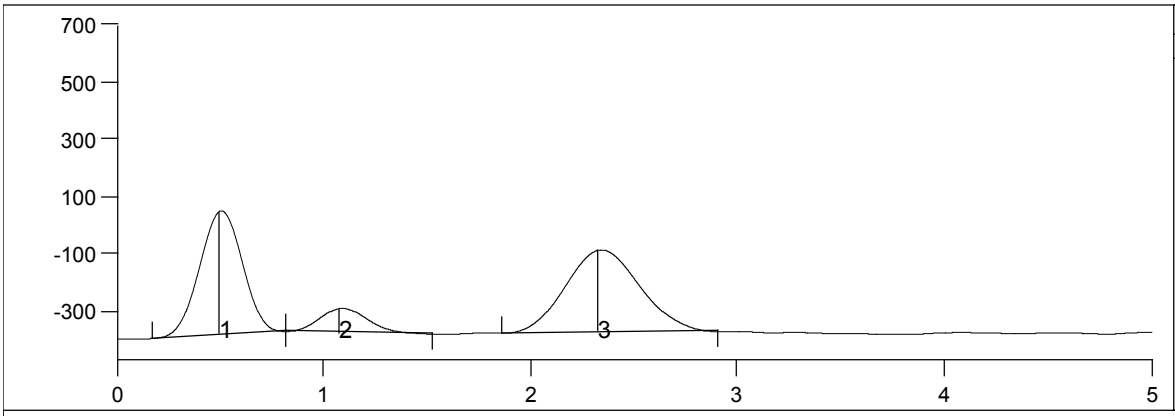
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

Date Analyzed: 3/26/14
Analyst Name: AAP

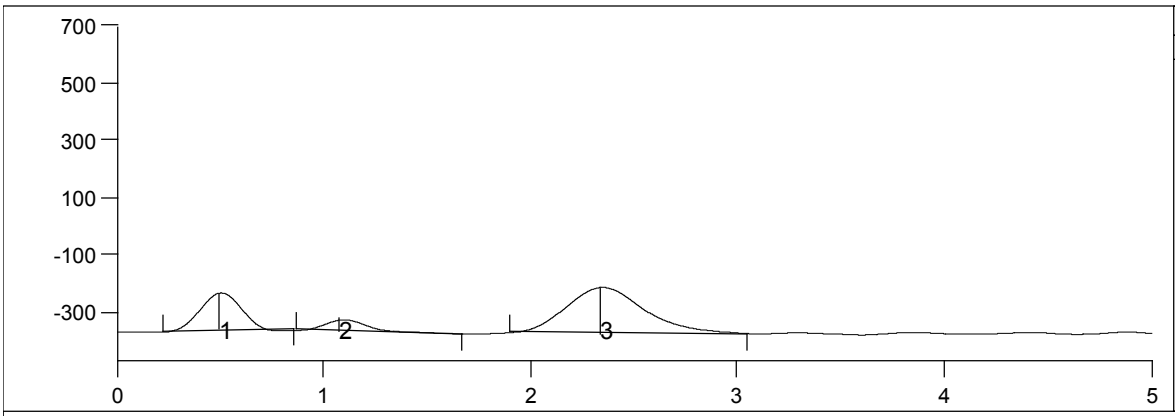


Date: 3/26/14
Time: 2:48 PM

Peak	rt	Height
1	0.50	437
2	1.08	86
3	2.33	292

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
40	A	S	1412006-53		2	86	0.490	0.00		< HS	accept

Notes

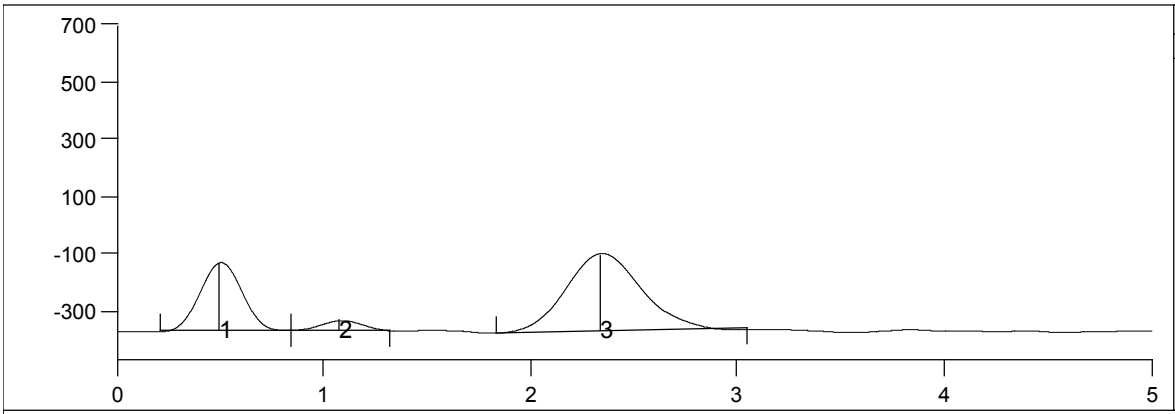


Date: 3/26/14
Time: 2:54 PM

Peak	rt	Height
1	0.50	139
2	1.08	40
3	2.33	161

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
41	B	S	1412007-01		2	40	0.206	0.00		< HS	accept

Notes



Date: 3/26/14
Time: 3:01 PM

Peak	rt	Height
1	0.50	243
2	1.08	34
3	2.34	277

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
42	C	S	1412007-02		2	34	0.169	0.00		< HS	accept

Notes

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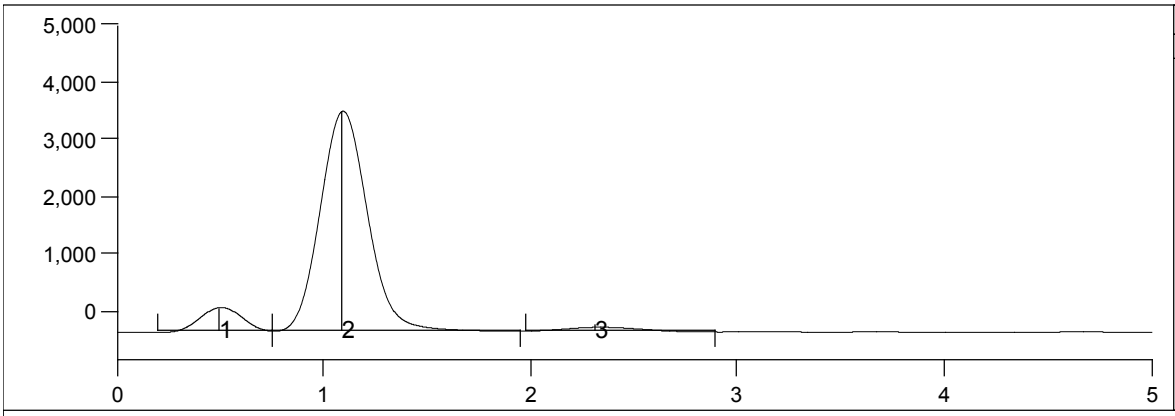
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

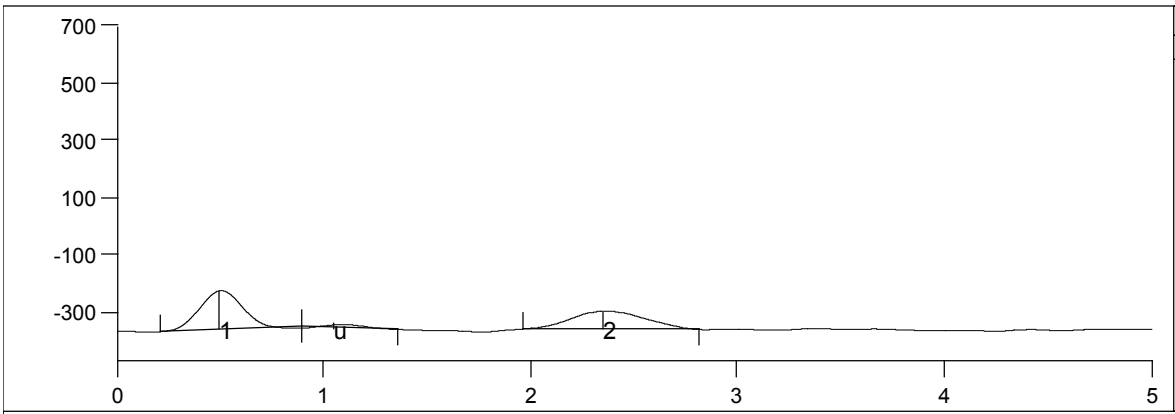
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 3:08 PM

Peak	rt	Height
1	0.50	441
2	1.09	3,868
3	2.31	71

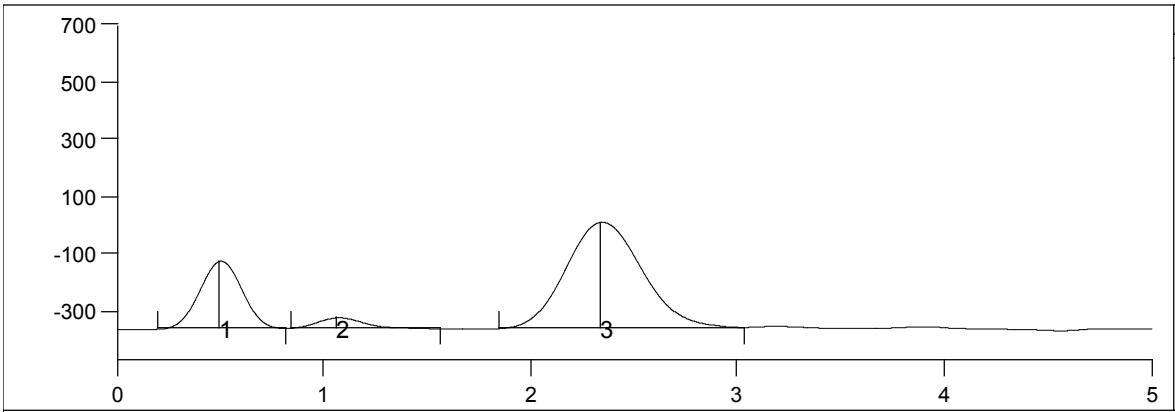
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
43	A	CCV	SEQ-CCV		2	3,868	23.8		95.3	67-133	accept
Notes											



Date: 3/26/14
Time: 3:14 PM

Peak	rt	Height
1	0.50	141
2	2.35	66
u	1.05	13

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
44	B	CCB	SEQ-CCB		u	13	0.0803		0.0803	< 1.15	accept
Notes											



Date: 3/26/14
Time: 3:21 PM

Peak	rt	Height
1	0.50	240
2	1.06	36
3	2.34	374

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
45	C	S	1412007-03		2	36	0.181	0.00		< HS	accept
Notes											

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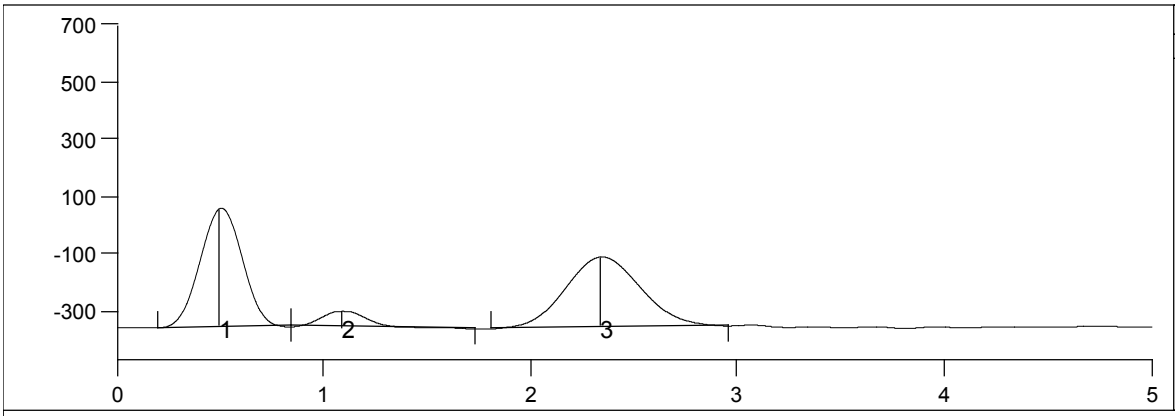
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

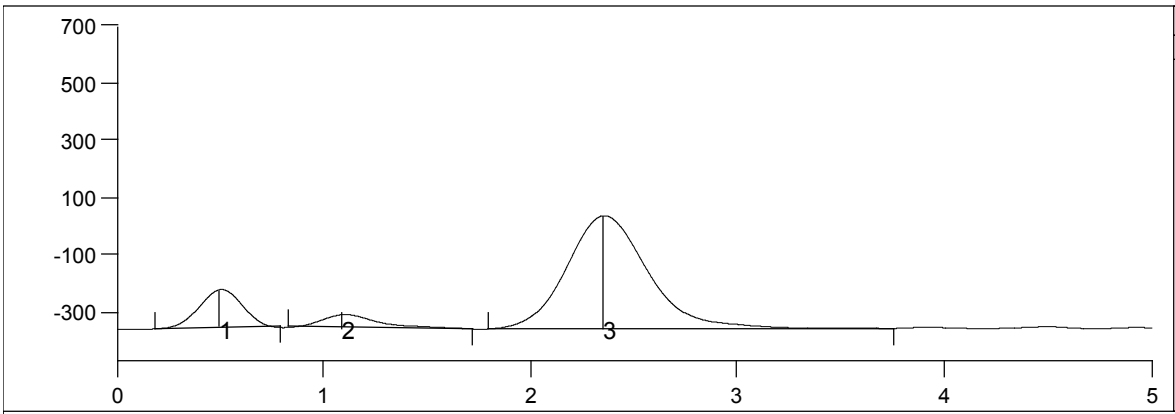
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/26/14
Time: 3:28 PM

Peak	rt	Height
1	0.50	421
2	1.08	59
3	2.34	250

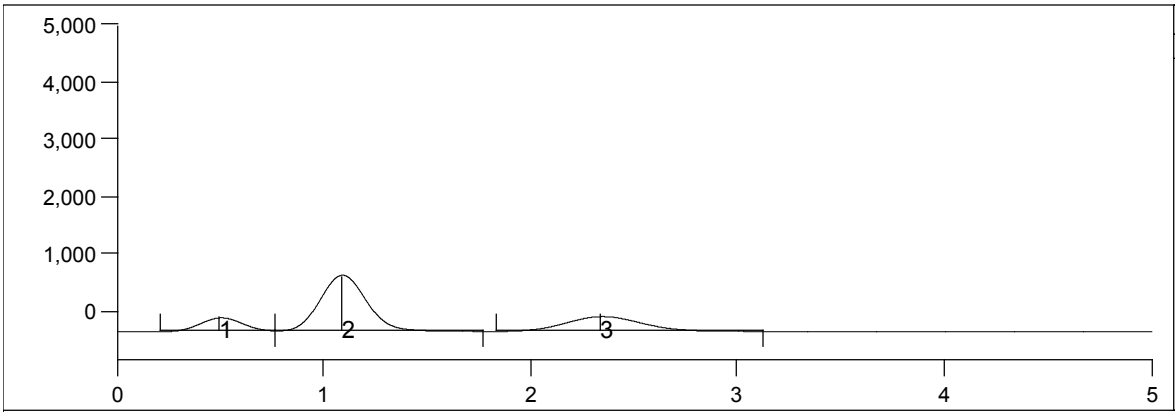
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
46	A	S	1412007-04		2	59	0.323	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 3:34 PM

Peak	rt	Height
1	0.50	138
2	1.10	46
3	2.35	399

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
47	B	S	1412008-01		2	46	0.243	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 3:41 PM

Peak	rt	Height
1	0.50	235
2	1.08	991
3	2.34	261

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
48	C	S	B140488-MS2		2	991	6.08	0.00		< HS	accept
Notes											

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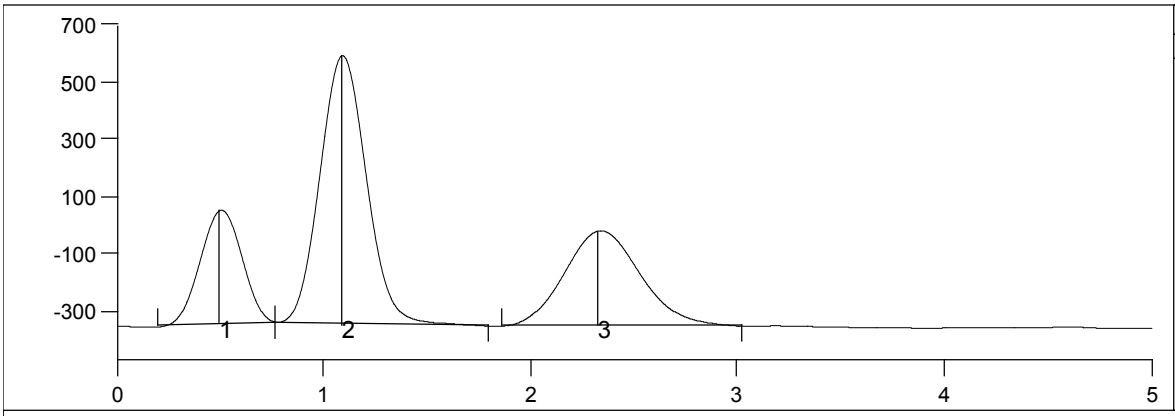
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

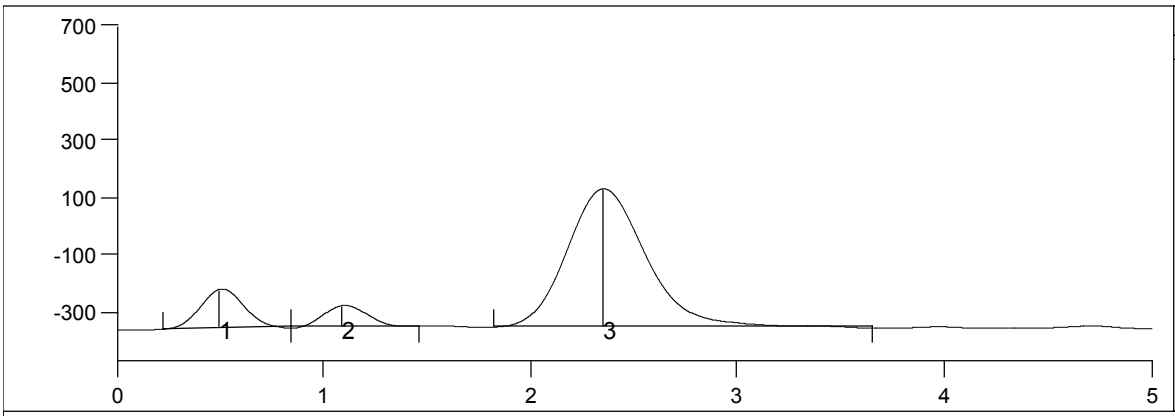
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/26/14
Time: 3:48 PM

Peak	rt	Height
1	0.50	404
2	1.08	942
3	2.33	337

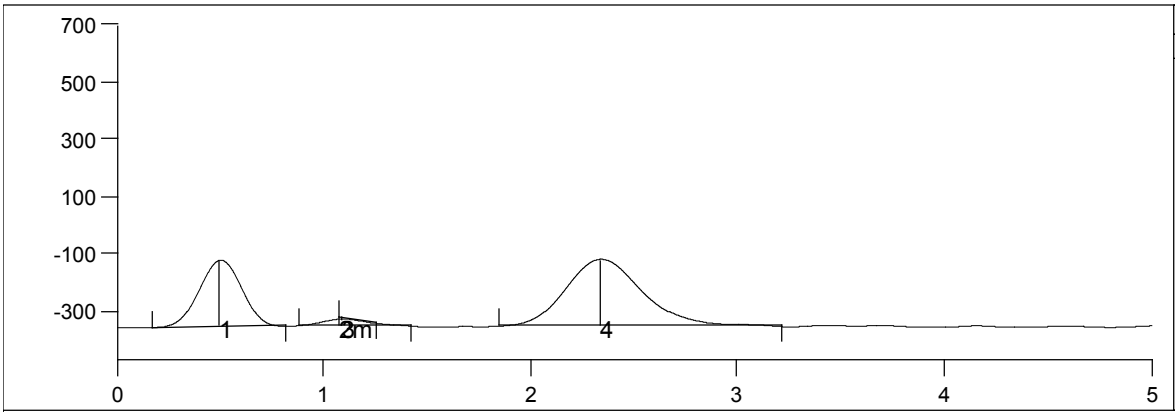
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
49	A	S	B140488-MSD2		2	942	5.77	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 3:54 PM

Peak	rt	Height
1	0.50	142
2	1.09	79
3	2.35	488

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
50	B	S	1412009-01		2	79	0.447	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 4:01 PM

Peak	rt	Height
1	0.50	237
2m	1.08	23
3	1.09	2
4	2.33	237

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
51	C	S	1412021-01		2m	23	0.101	0.00		< HS	accept
Notes											

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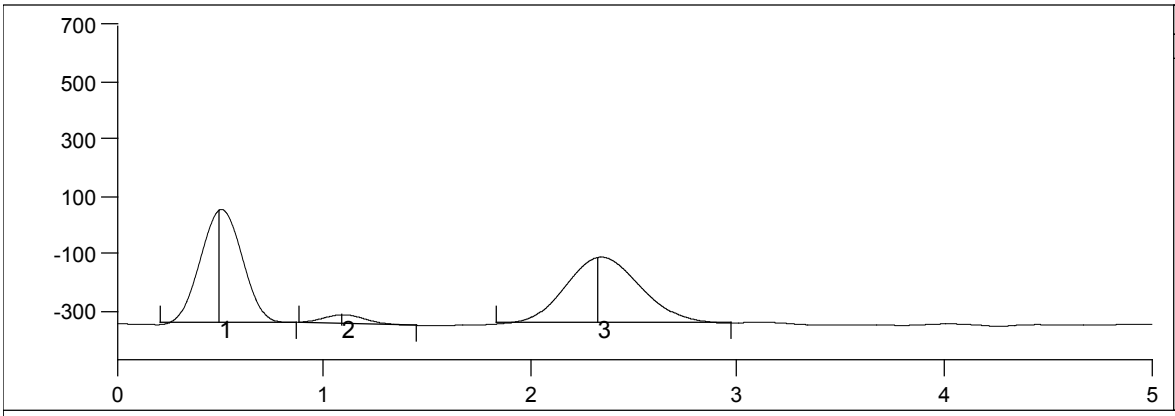
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

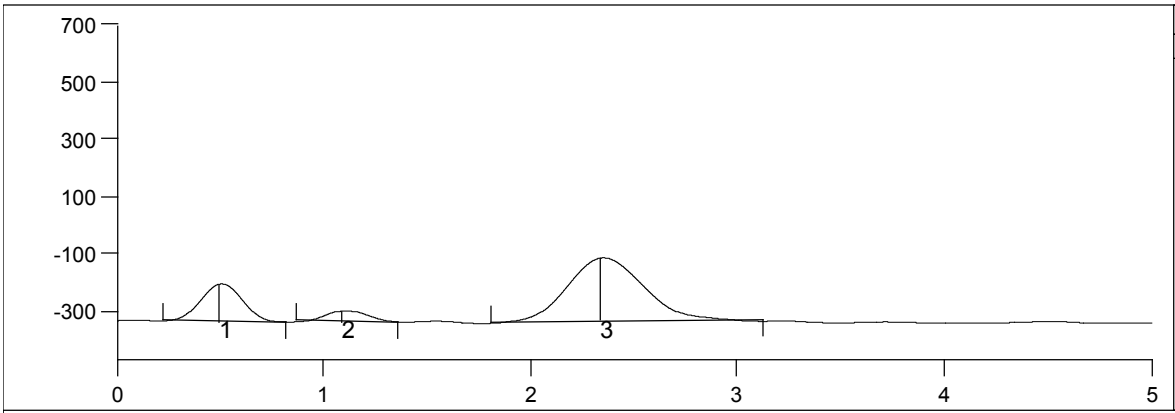
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 4:08 PM

Peak	rt	Height
1	0.50	402
2	1.09	30
3	2.33	235

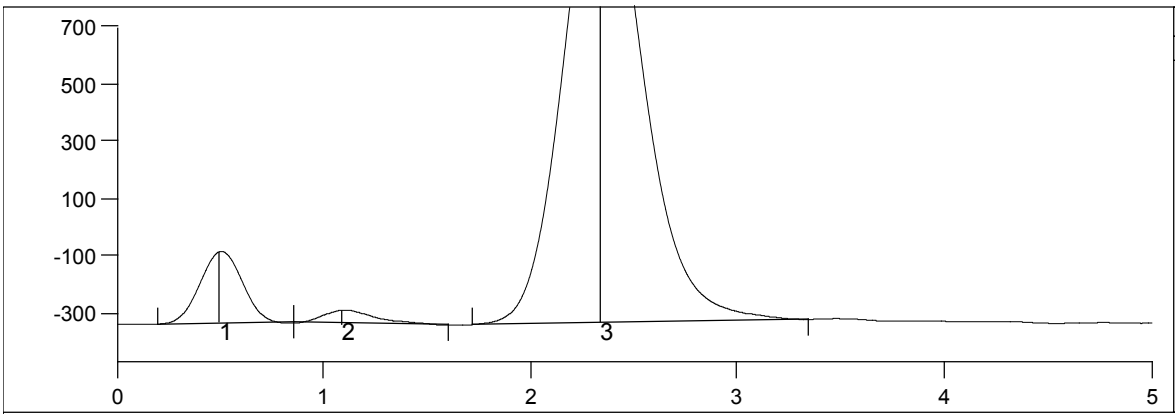
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
52	A	S	1412021-02		2	30	0.144	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 4:14 PM

Peak	rt	Height
1	0.50	134
2	1.09	41
3	2.34	230

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
53	B	S	1412021-03		2	41	0.212	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 4:21 PM

Peak	rt	Height
1	0.50	256
2	1.09	50
3	2.33	1,702

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
54	C	S	1412021-04		2	50	0.268	0.00		< HS	accept
Notes											

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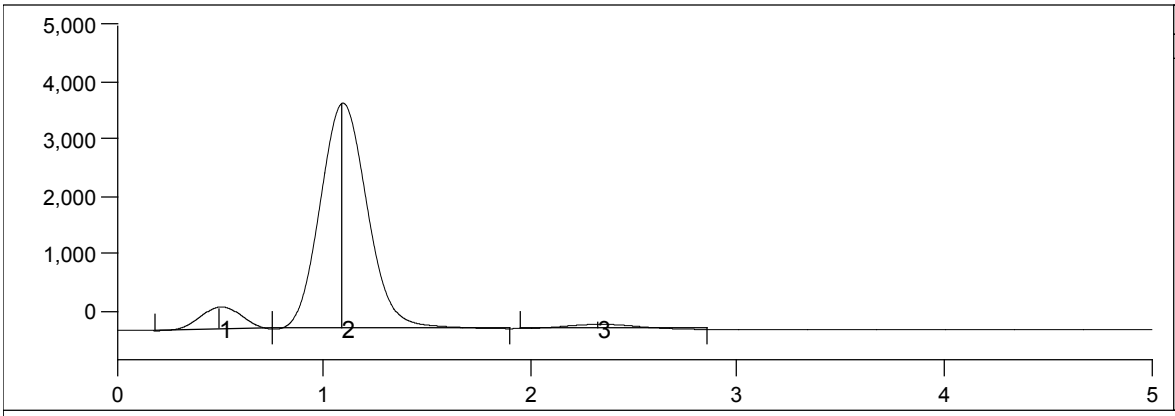
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

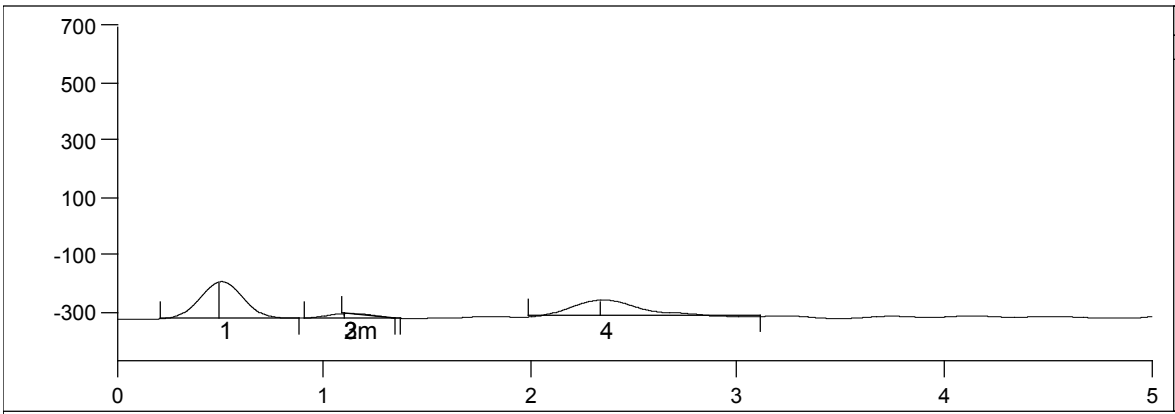
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/26/14
Time: 4:28 PM

Peak	rt	Height
1	0.50	415
2	1.09	3,971
3	2.33	82

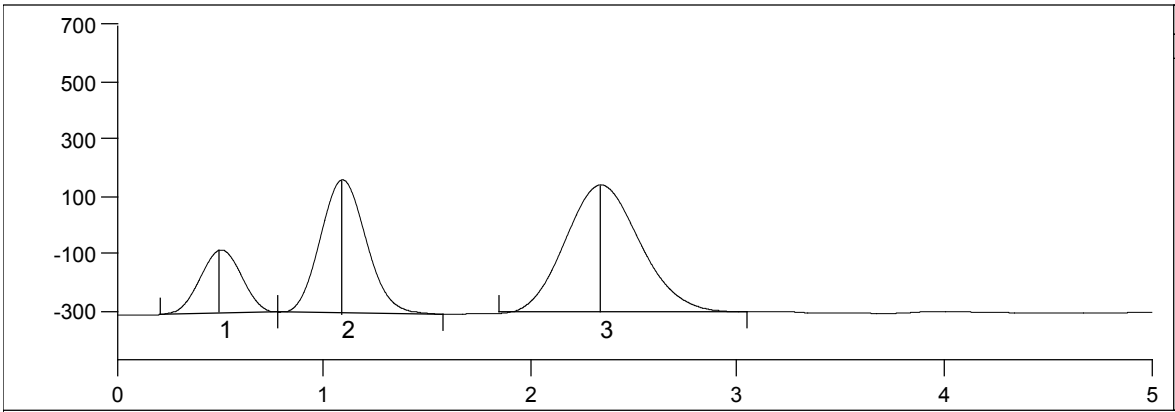
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
55	A	CCV	SEQ-CCV		2	3,971	24.5		97.9	67-133	accept
Notes											



Date: 3/26/14
Time: 4:34 PM

Peak	rt	Height
1	0.50	133
2m	1.10	16
3	1.10	2
4	2.34	62

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
56	B	CCB	SEQ-CCB		2m	16	0.0988		0.0988	< 1.15	accept
Notes											



Date: 3/26/14
Time: 4:41 PM

Peak	rt	Height
1	0.50	224
2	1.08	469
3	2.33	450

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
57	C	S	1412033-05		2	469	2.85	0.00		< HS	accept
Notes											

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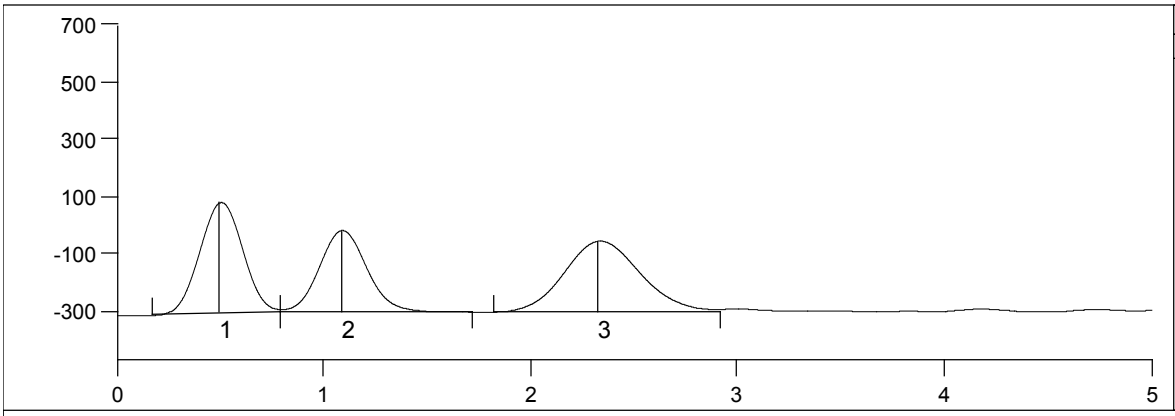
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

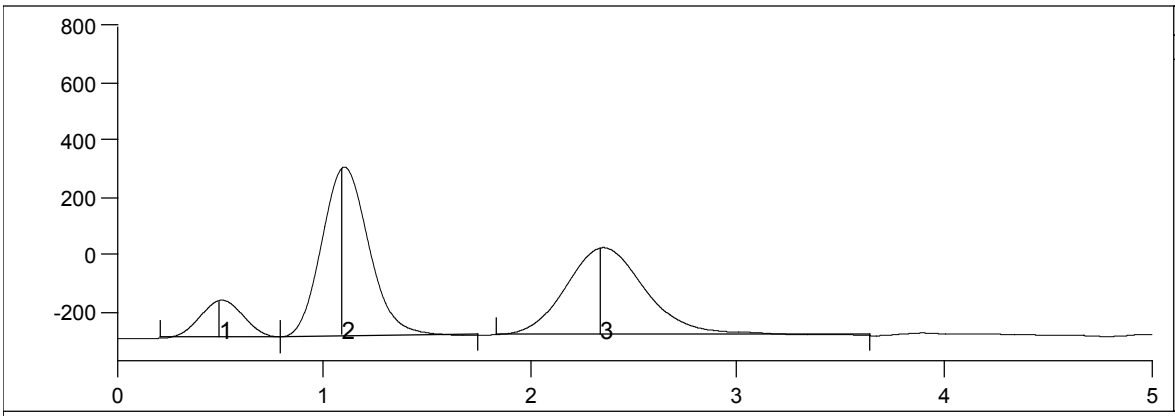
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/26/14
Time: 4:48 PM

Peak	rt	Height
1	0.50	387
2	1.08	281
3	2.33	246

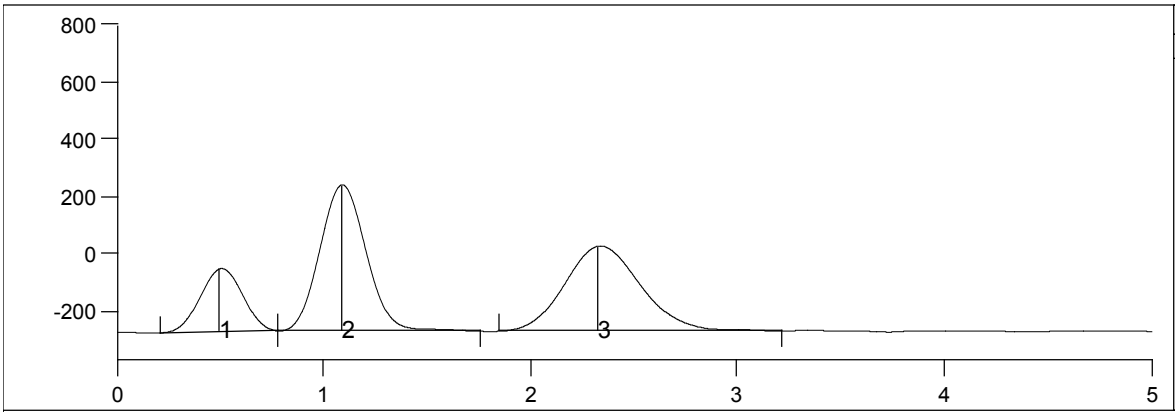
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
58	A	S	1412033-06		2	281	1.69	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 4:54 PM

Peak	rt	Height
1	0.50	134
2	1.09	596
3	2.34	308

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
59	B	S	1412033-15		2	596	3.64	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 5:01 PM

Peak	rt	Height
1	0.50	224
2	1.08	515
3	2.33	301

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
60	C	S	1412033-16		2	515	3.14	0.00		< HS	accept
Notes											

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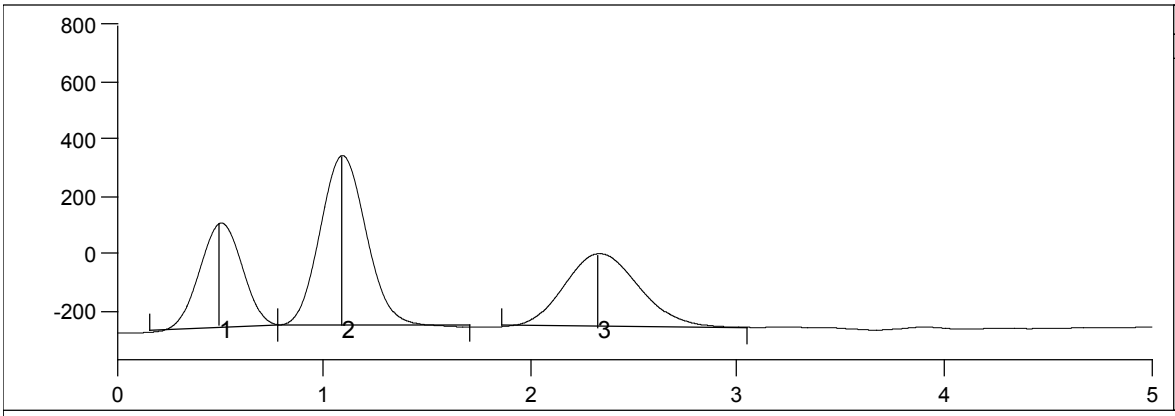
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

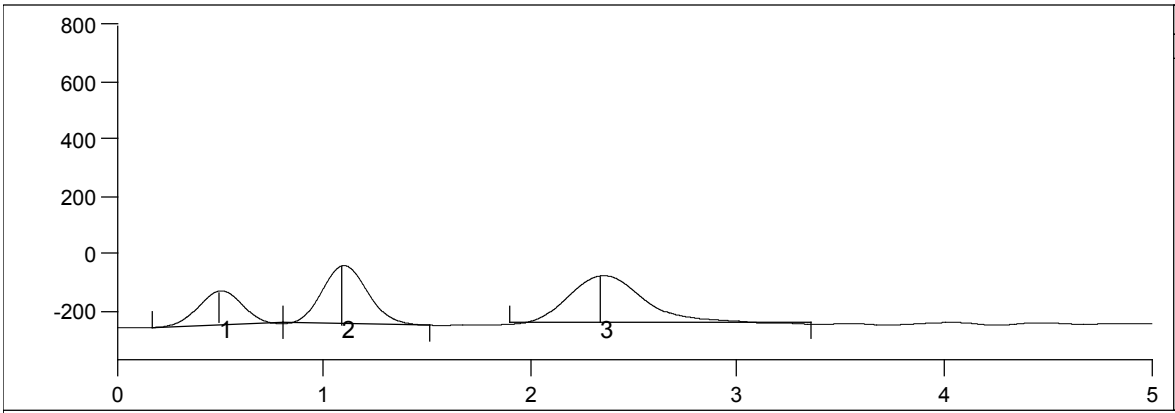
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/26/14
Time: 5:08 PM

Peak	rt	Height
1	0.50	371
2	1.08	597
3	2.32	258

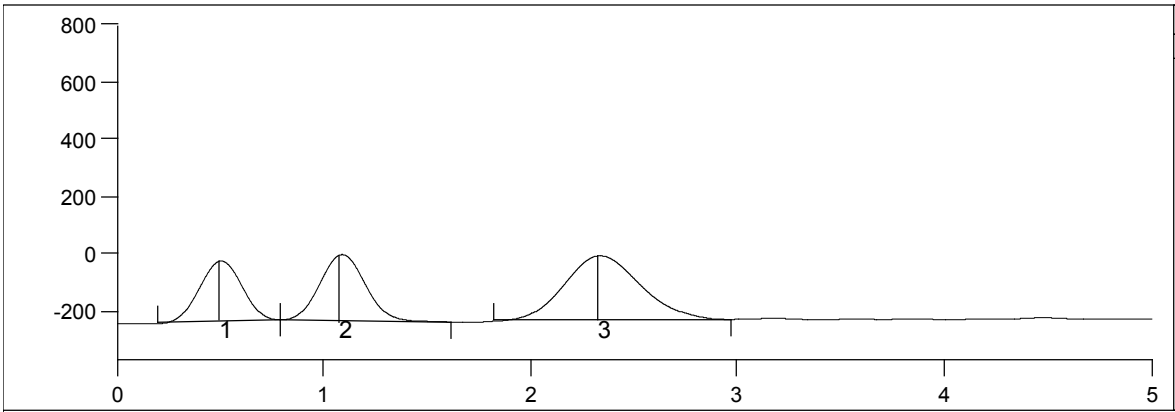
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
61	A	S	1412033-17		2	597	3.64	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 5:14 PM

Peak	rt	Height
1	0.50	124
2	1.09	208
3	2.34	172

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
62	B	S	1412033-18		2	208	1.24	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 5:21 PM

Peak	rt	Height
1	0.50	216
2	1.08	234
3	2.33	230

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
63	C	S	1412033-19		2	234	1.40	0.00		< HS	accept
Notes											

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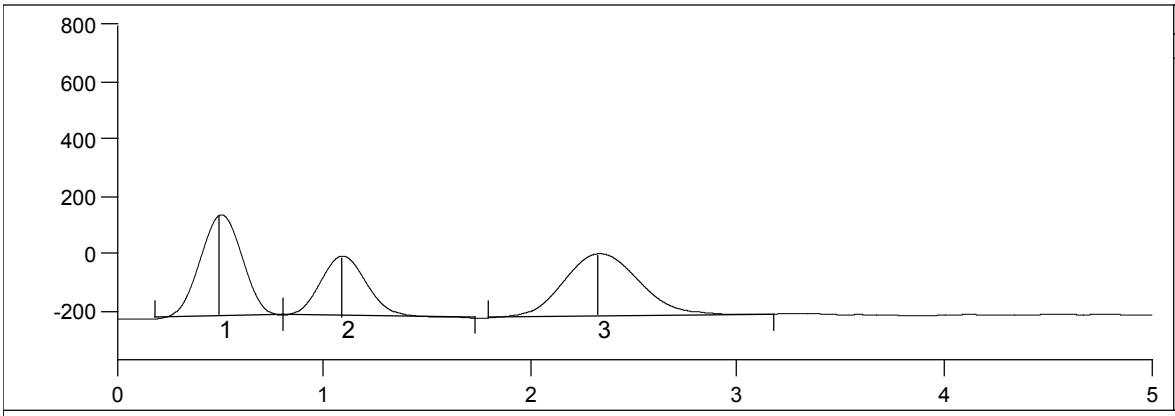
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

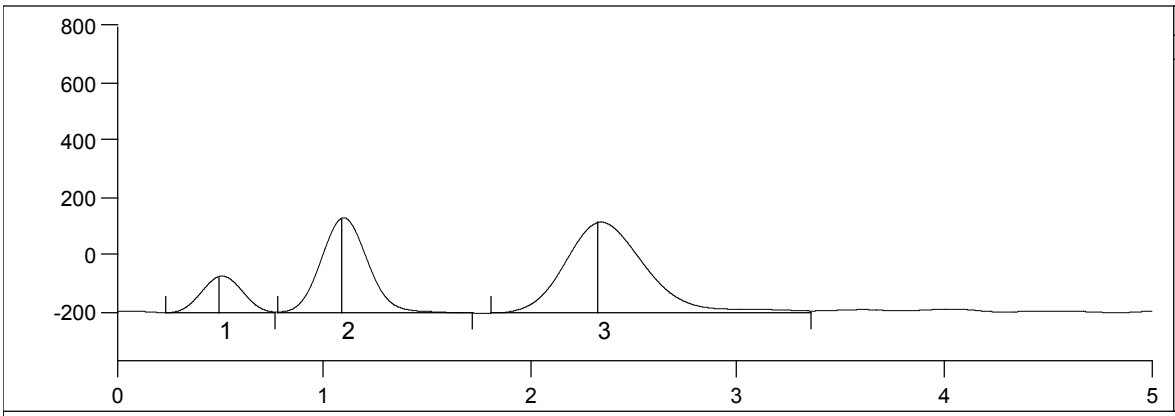
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 5:28 PM

Peak	rt	Height
1	0.50	361
2	1.08	212
3	2.32	223

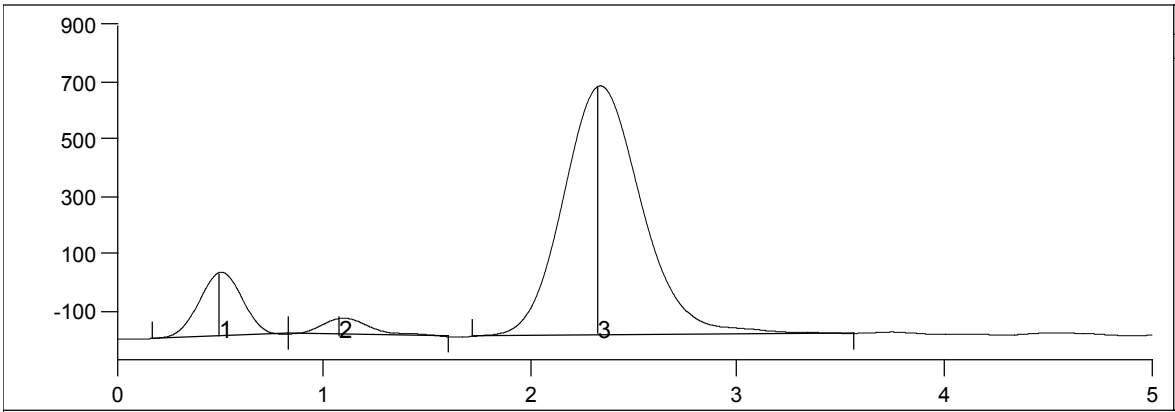
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
64	A	S	1412033-20		2	212	1.27	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 5:34 PM

Peak	rt	Height
1	0.50	128
2	1.09	332
3	2.33	317

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
65	B	S	1412033-58		2	332	2.01	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 5:41 PM

Peak	rt	Height
1	0.50	227
2	1.08	59
3	2.33	878

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
66	C	S	1412035-02		2	59	0.323	0.00		< HS	accept
Notes											

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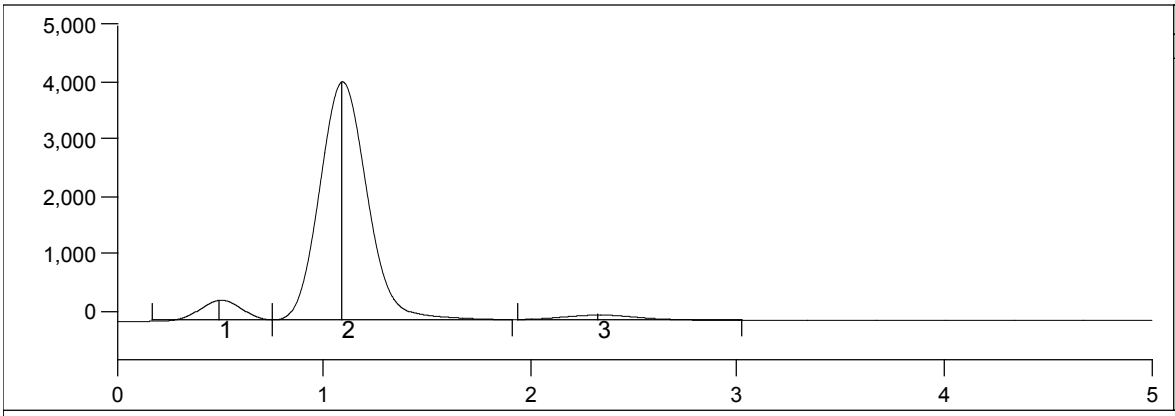
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

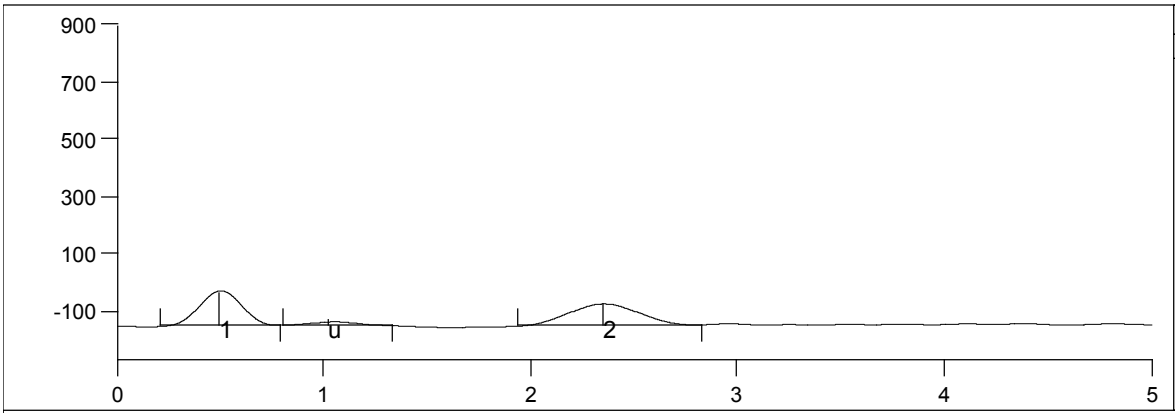
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 5:48 PM

Peak	rt	Height
1	0.50	368
2	1.08	4,182
3	2.33	84

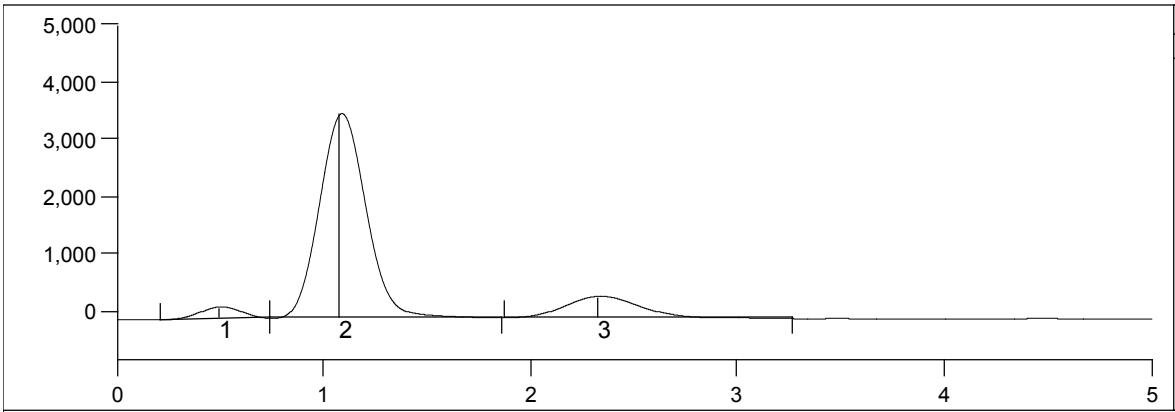
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
67	A	CCV	SEQ-CCV		2	4,182	25.8		103	67-133	accept
Notes											



Date: 3/26/14
Time: 5:54 PM

Peak	rt	Height
1	0.49	126
2	2.35	79
u	1.02	12

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
68	B	CCB	SEQ-CCB		u	12	0.0741		0.0741	< 1.15	accept
Notes											



Date: 3/26/14
Time: 6:01 PM

Peak	rt	Height
1	0.50	226
2	1.08	3,598
3	2.33	393

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
69	C	S	B140488-MS3		2	3,598	22.2	0.00		< HS	accept
Notes											

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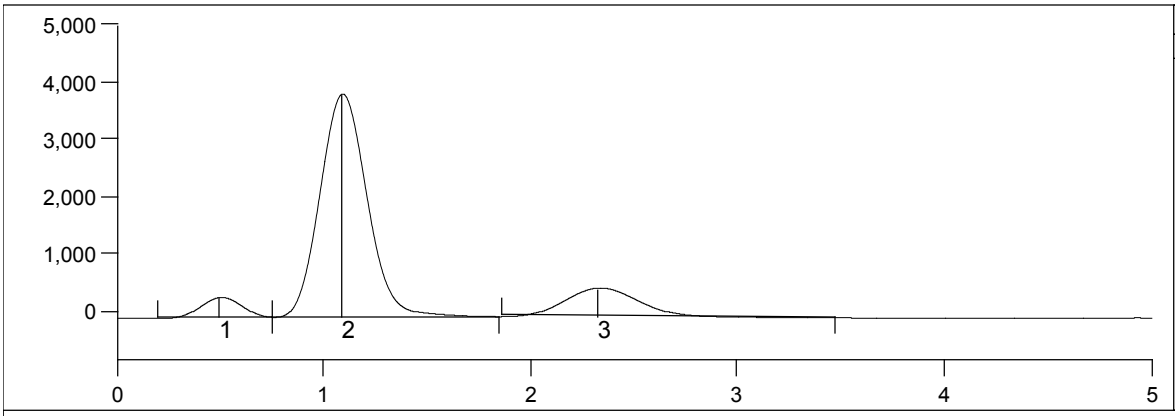
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

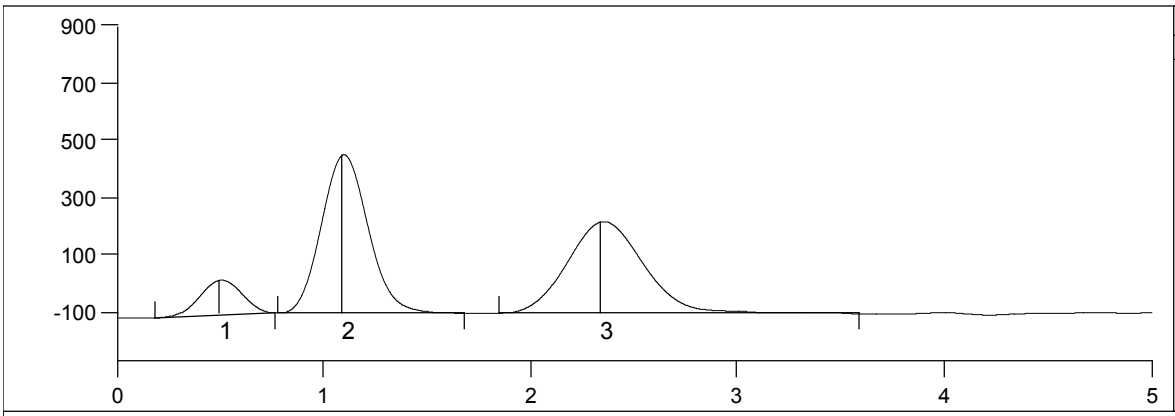
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/26/14
Time: 6:08 PM

Peak	rt	Height
1	0.50	371
2	1.08	3,924
3	2.33	519

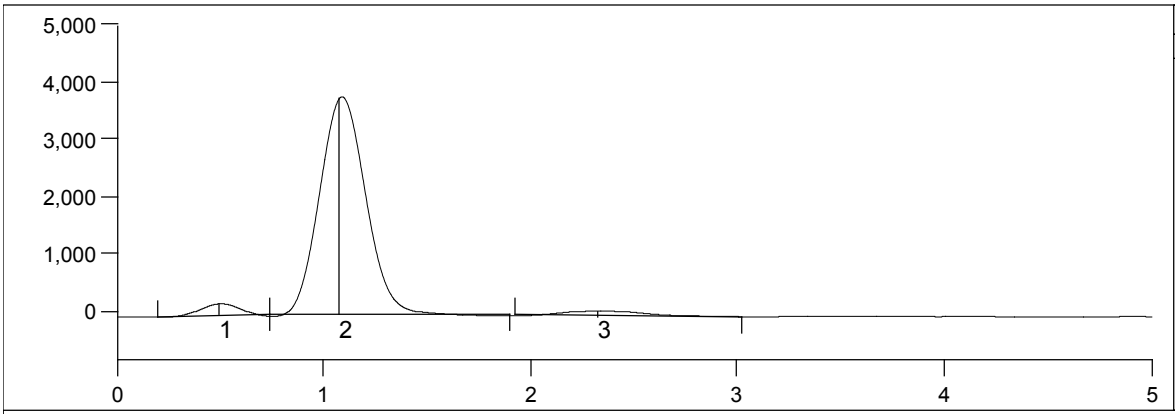
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
70	A	S	B140488-MSD3		2	3,924	24.2	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 6:14 PM

Peak	rt	Height
1	0.50	126
2	1.09	556
3	2.34	324

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
71	B	S	1412035-04		2	556	3.39	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 6:21 PM

Peak	rt	Height
1	0.50	239
2	1.08	3,855
3	2.33	104

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
72	C	CCV	SEQ-CCV		2	3,855	23.8		95.0	67-133	accept
Notes											

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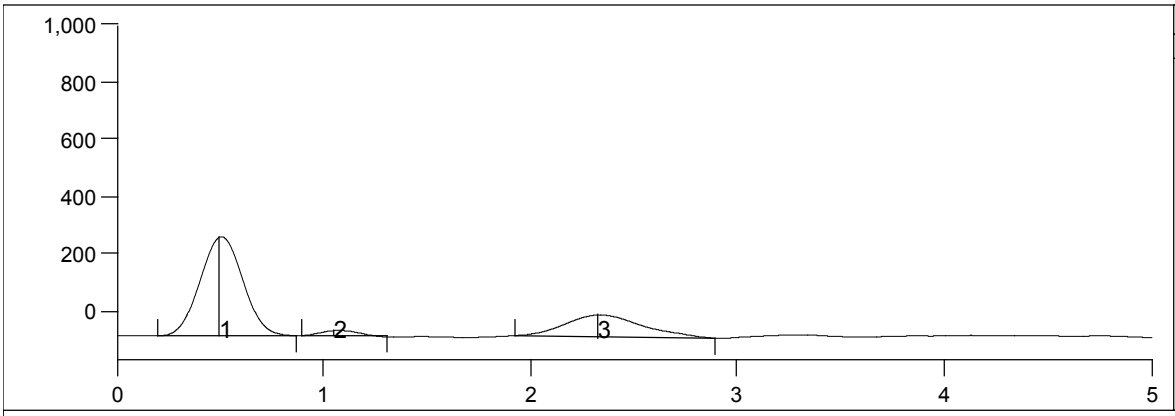
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

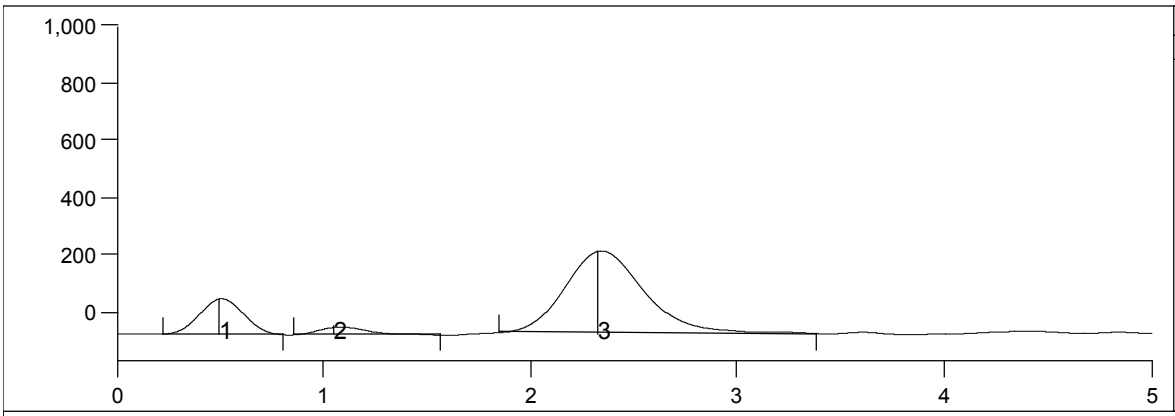
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 6:28 PM

Peak	rt	Height
1	0.50	350
2	1.05	19
3	2.32	76

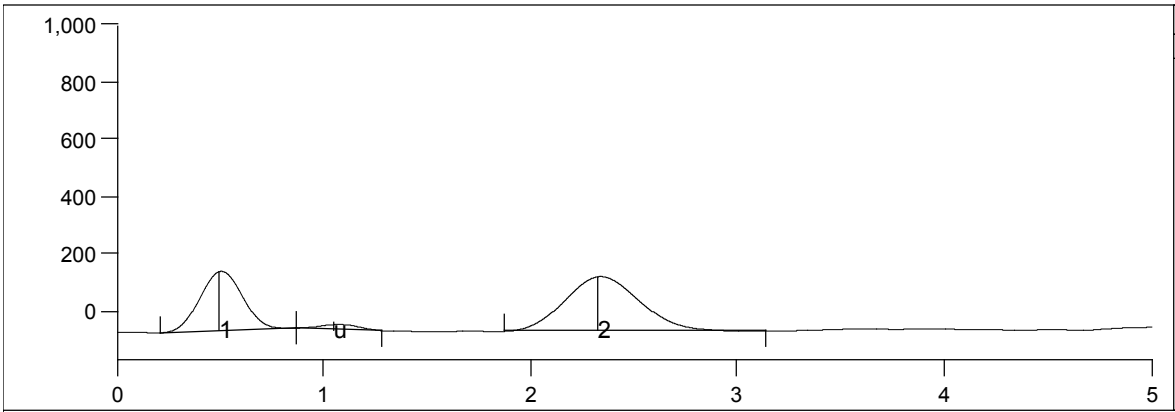
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
73	A	CCB	SEQ-CCB		2	19	0.117		0.117	< 1.15	accept
Notes											



Date: 3/26/14
Time: 6:34 PM

Peak	rt	Height
1	0.50	127
2	1.06	27
3	2.33	289

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
74	B	S	B140505-BLK1		2	27	0.126	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 6:41 PM

Peak	rt	Height
1	0.50	211
2	2.33	194
u	1.04	16

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
75	C	S	B140505-BLK2		u	16	0.0576	0.00		< HS	accept
Notes											

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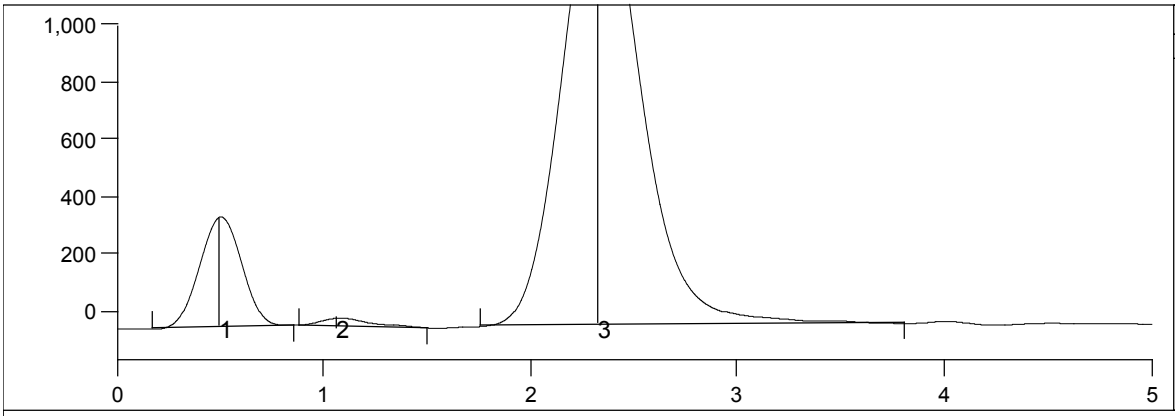
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

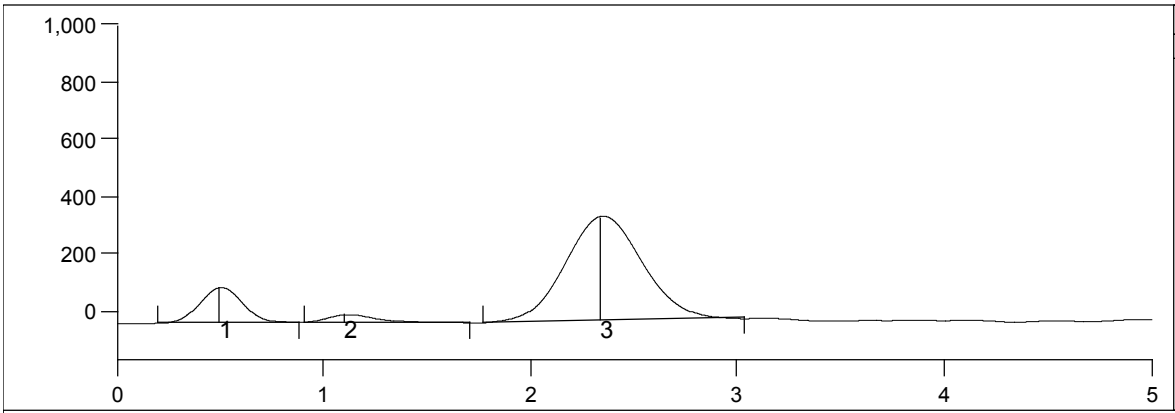
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 6:48 PM

Peak	rt	Height
1	0.50	390
2	1.06	27
3	2.32	1,619

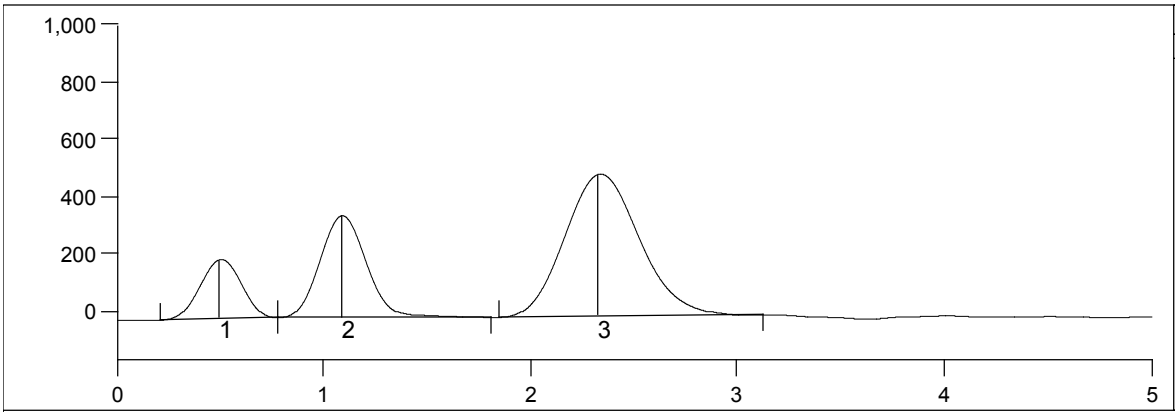
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
76	A	S	B140505-BLK3		2	27	0.126	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 6:54 PM

Peak	rt	Height
1	0.50	127
2	1.10	26
3	2.34	370

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
77	B	S	B140505-BLK4		2	26	0.119	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 7:01 PM

Peak	rt	Height
1	0.50	211
2	1.08	360
3	2.33	502

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
78	C	S	B140505-BS1		2	360	2.18	0.00		< HS	accept
Notes											

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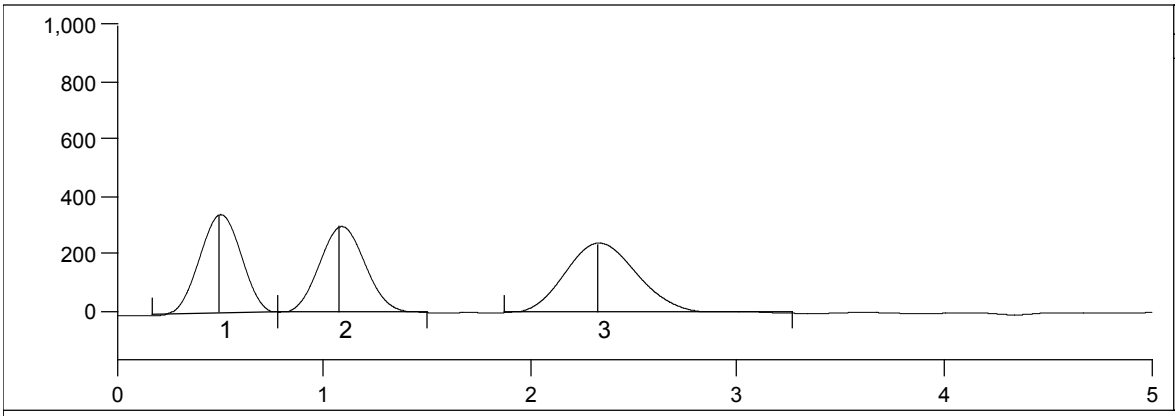
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

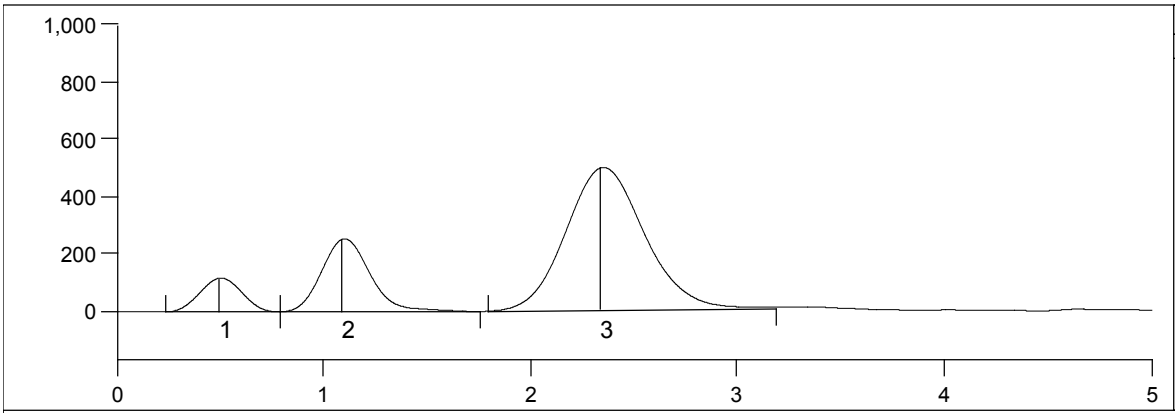
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 7:08 PM

Peak	rt	Height
1	0.50	352
2	1.08	303
3	2.32	247

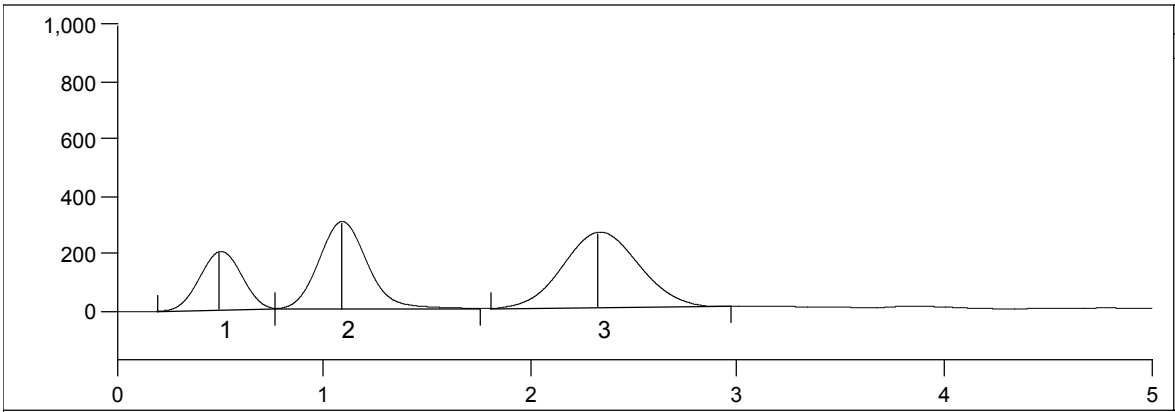
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
79	A	S	B140505-BS2		2	303	1.83	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 7:14 PM

Peak	rt	Height
1	0.50	119
2	1.10	255
3	2.34	499

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
80	B	S	B140505-BS3		2	255	1.53	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 7:21 PM

Peak	rt	Height
1	0.50	204
2	1.08	304
3	2.32	265

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
81	C	S	B140505-BS4		2	304	1.84	0.00		< HS	accept
Notes											

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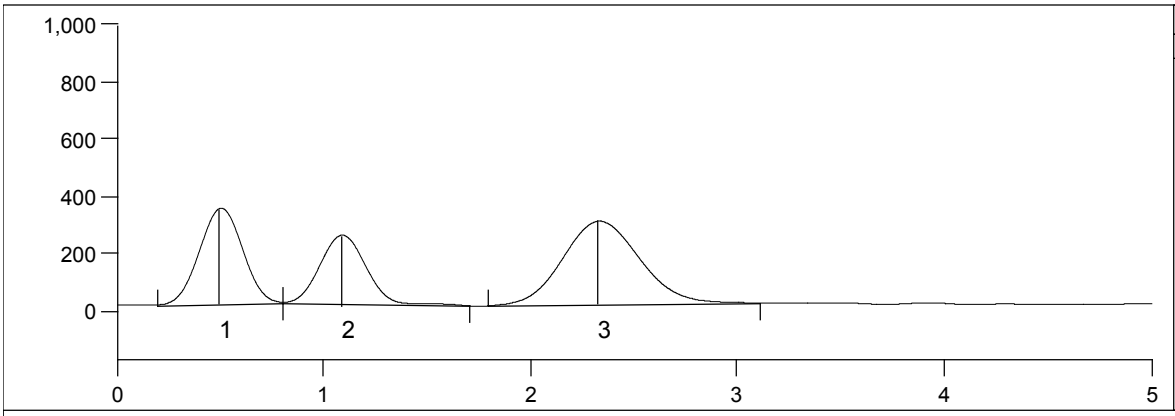
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

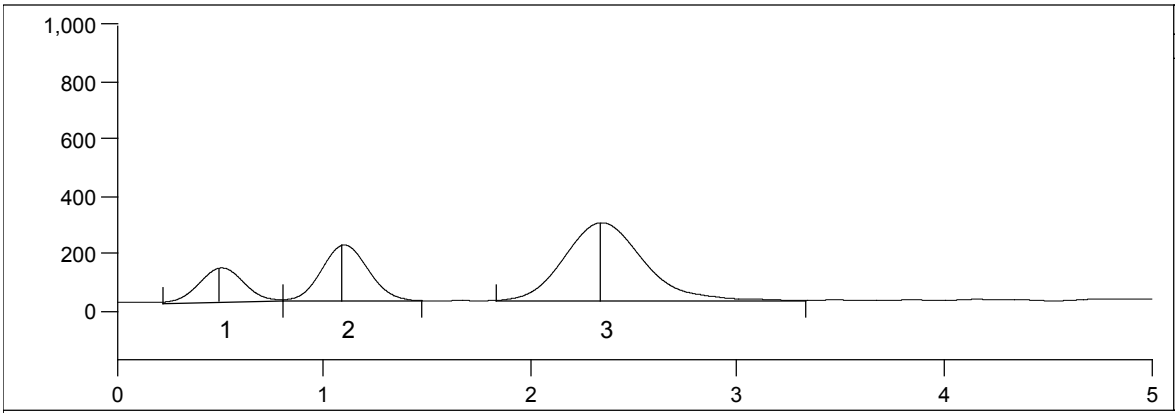
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 7:28 PM

Peak	rt	Height
1	0.50	335
2	1.08	239
3	2.32	293

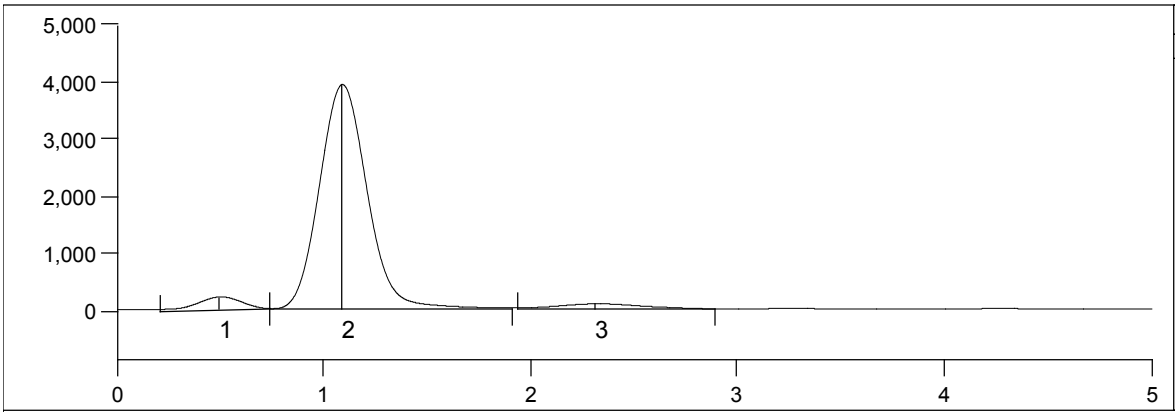
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
82	A	S	B140505-BS5		2	239	1.43	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 7:34 PM

Peak	rt	Height
1	0.50	116
2	1.09	193
3	2.33	272

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
83	B	S	B140505-BS6		2	193	1.15	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 7:41 PM

Peak	rt	Height
1	0.50	213
2	1.08	3,926
3	2.31	80

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
84	C	CCV	SEQ-CCV		2	3,926	24.2		96.8	67-133	accept
Notes											

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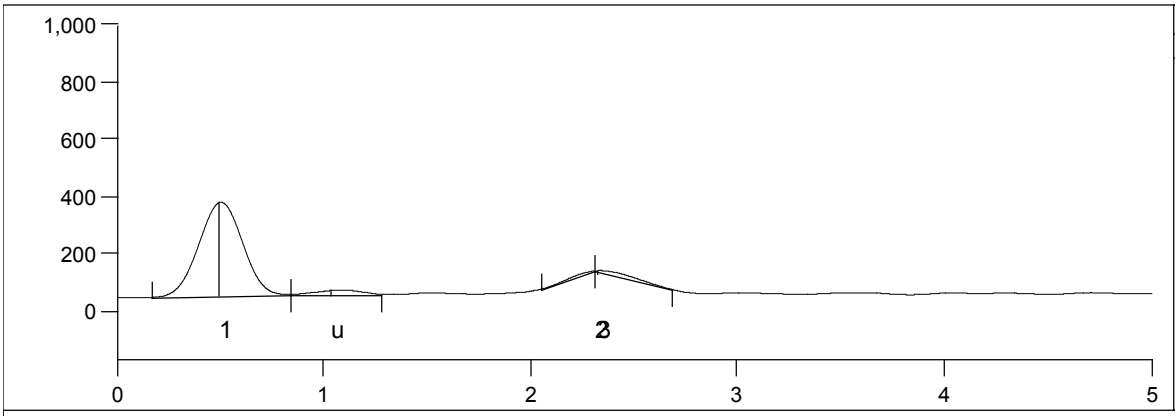
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

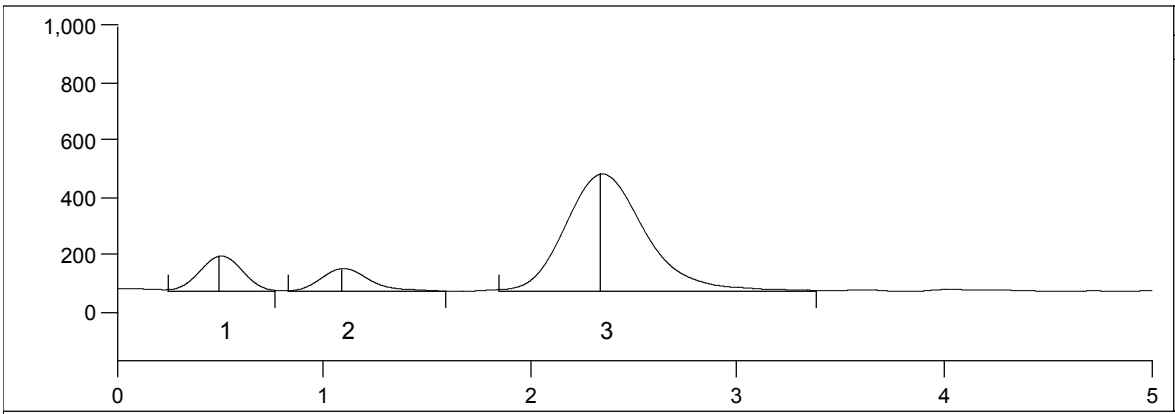
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 7:48 PM

Peak	rt	Height
1	0.50	329
2	2.31	1
3	2.33	3
u	1.04	14

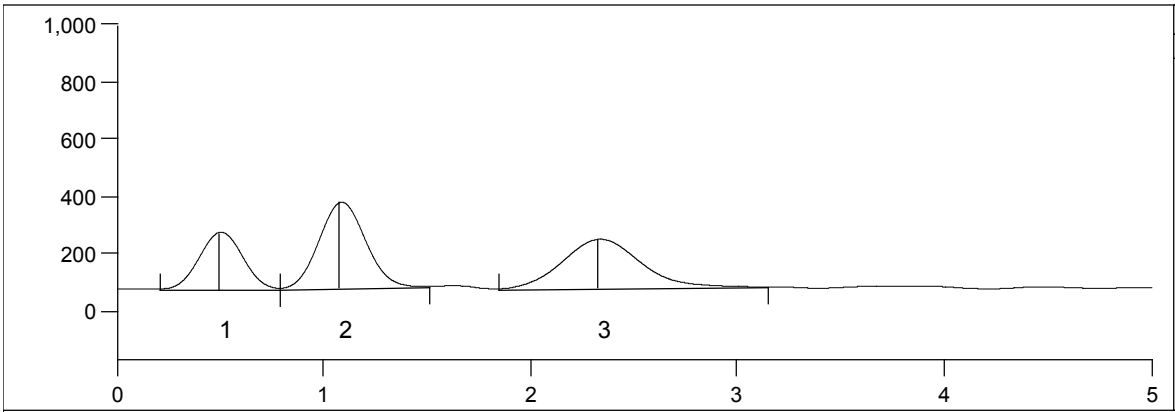
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
85	A	CCB	SEQ-CCB		u	14	0.0864		0.0864	< 1.15	accept
Notes											



Date: 3/26/14
Time: 7:54 PM

Peak	rt	Height
1	0.50	119
2	1.09	78
3	2.34	406

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
86	B	S	B140505-BS7		2	78	0.440	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 8:01 PM

Peak	rt	Height
1	0.50	198
2	1.08	299
3	2.33	172

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
87	C	S	B140505-BS8		2	299	1.80	0.00		< HS	accept
Notes											

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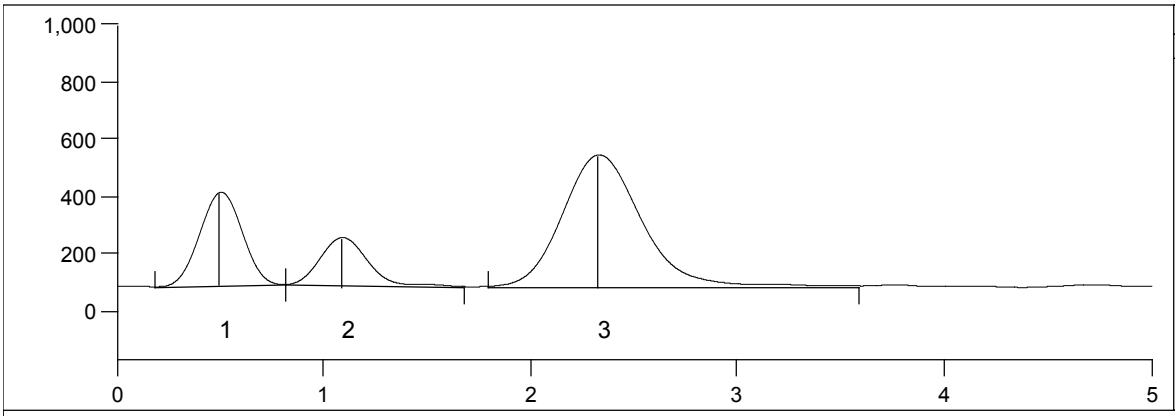
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

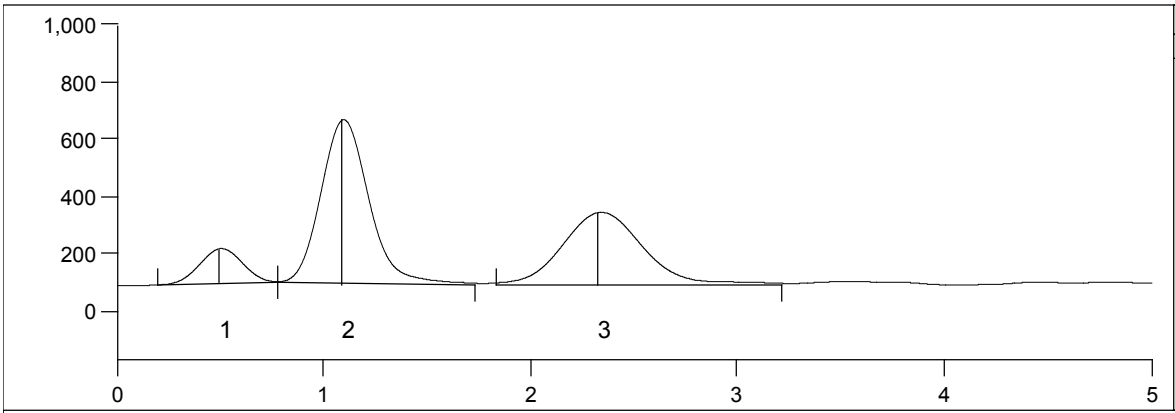
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 8:08 PM

Peak	rt	Height
1	0.50	328
2	1.08	166
3	2.32	461

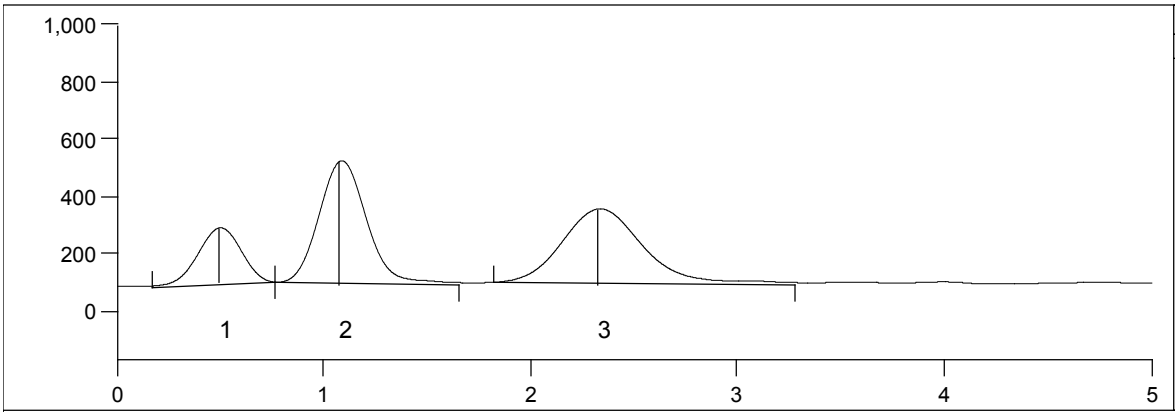
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
88	A	S	B140505-BS9		2	166	0.984	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 8:14 PM

Peak	rt	Height
1	0.50	122
2	1.09	569
3	2.33	247

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
89	B	S	B140505-BSA		2	569	3.47	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 8:21 PM

Peak	rt	Height
1	0.50	197
2	1.08	426
3	2.32	257

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
90	C	S	B140505-BSB		2	426	2.59	0.00		< HS	accept
Notes											

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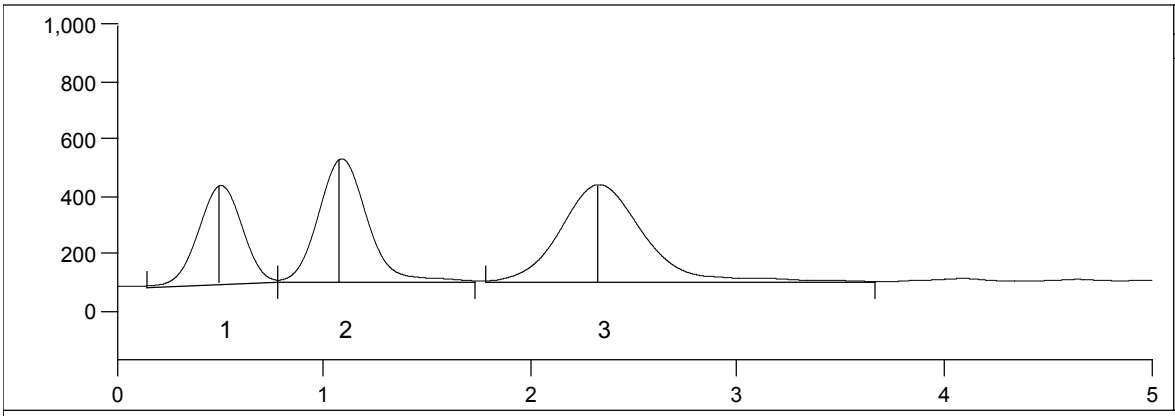
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

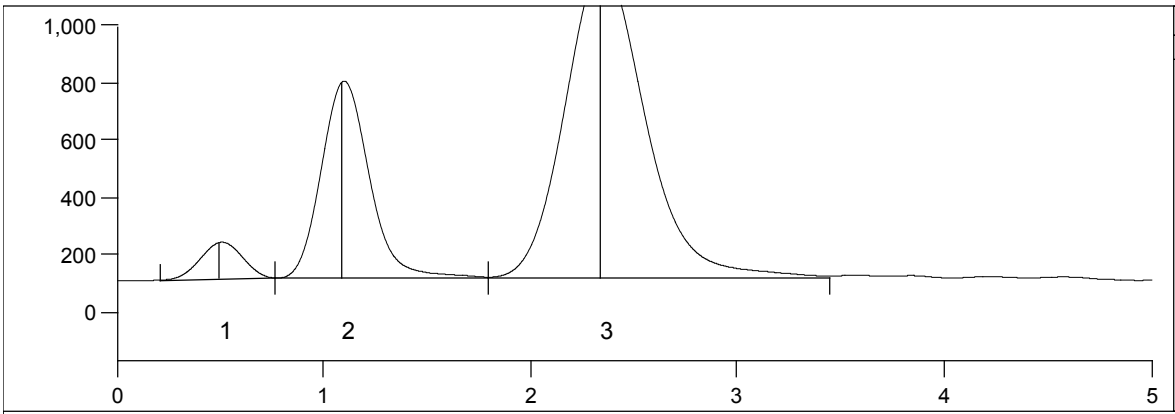
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 8:28 PM

Peak	rt	Height
1	0.50	340
2	1.08	426
3	2.32	337

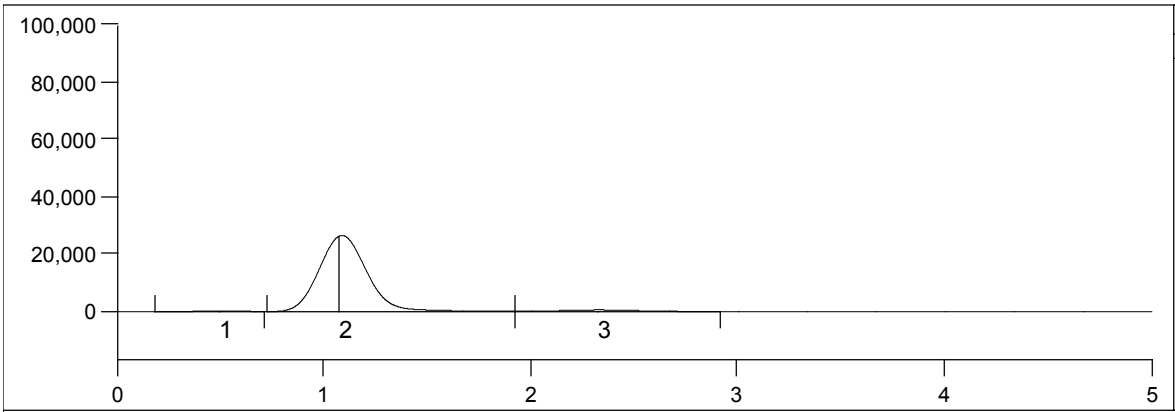
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
91	A	S	B140505-BSC		2	426	2.59	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 8:34 PM

Peak	rt	Height
1	0.50	130
2	1.09	690
3	2.34	1,095

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
92	B	S	B140505-BSD		2	690	4.22	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 8:41 PM

Peak	rt	Height
1	0.50	319
2	1.08	26,631
3	2.32	469

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
93	C	S	R&D BSE		2	26,631	164	0.00		< HS	accept
Notes											

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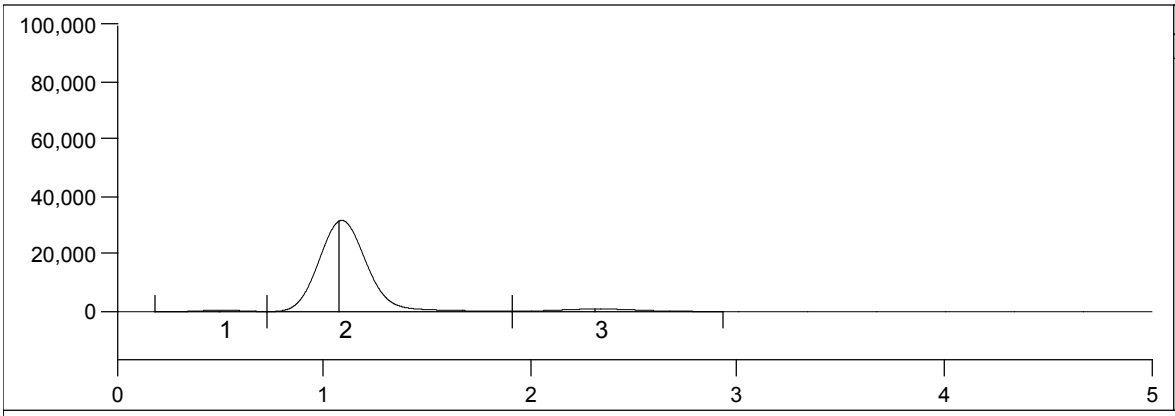
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

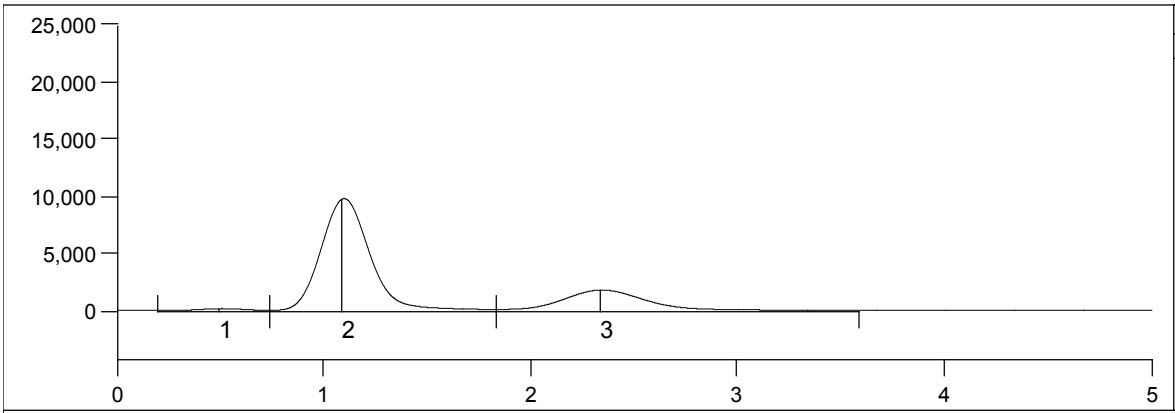
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/26/14
Time: 8:48 PM

Peak	rt	Height
1	0.50	490
2	1.08	31,893
3	2.32	770

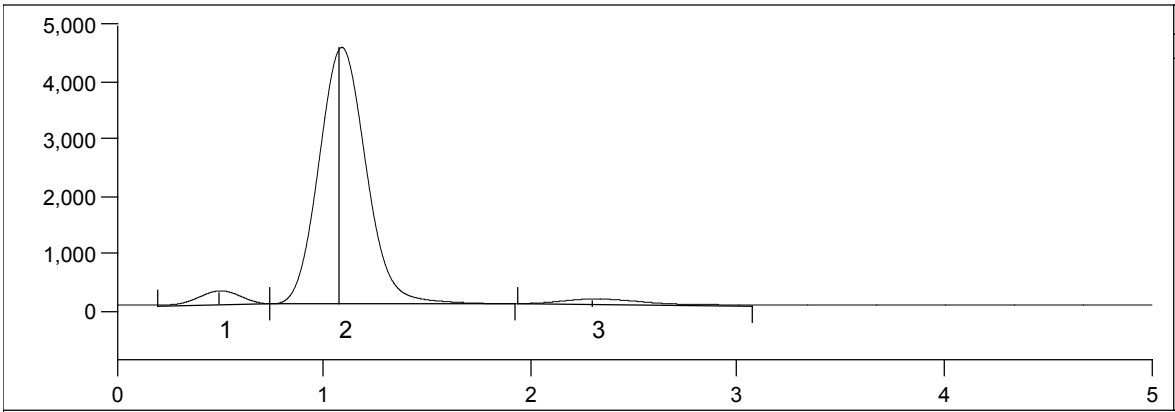
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
94	A	S	B140505-SRM1		2	31,893	197	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 8:54 PM

Peak	rt	Height
1	0.50	159
2	1.09	9,770
3	2.34	1,728

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
95	B	S	R&D SRM2		2	9,770	60.3	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 9:01 PM

Peak	rt	Height
1	0.50	239
2	1.08	4,496
3	2.30	89

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
96	C	CCV	SEQ-CCV		2	4,496	27.7		111	67-133	accept
Notes											

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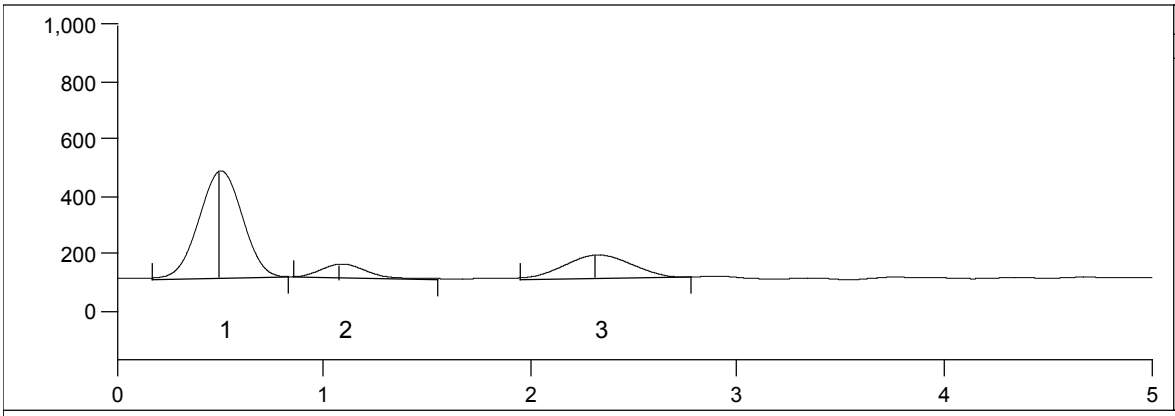
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

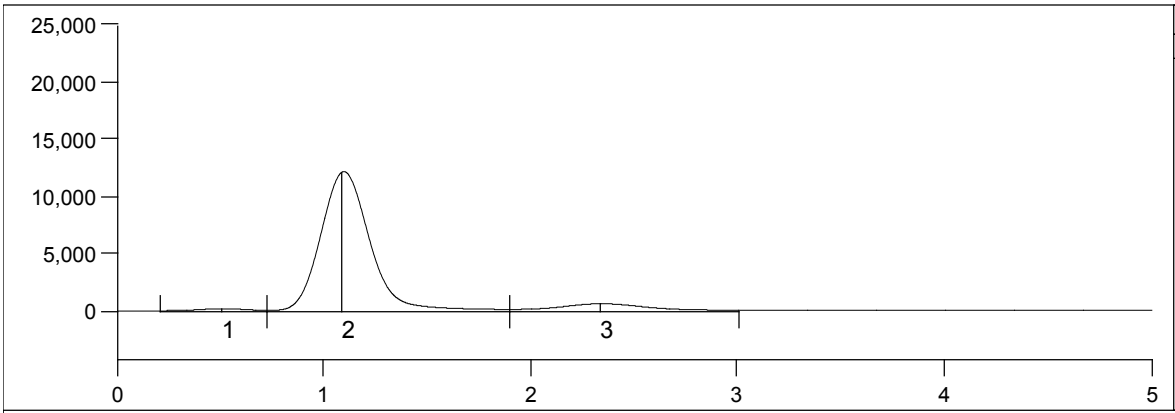
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 9:08 PM

Peak	rt	Height
1	0.50	374
2	1.08	46
3	2.31	80

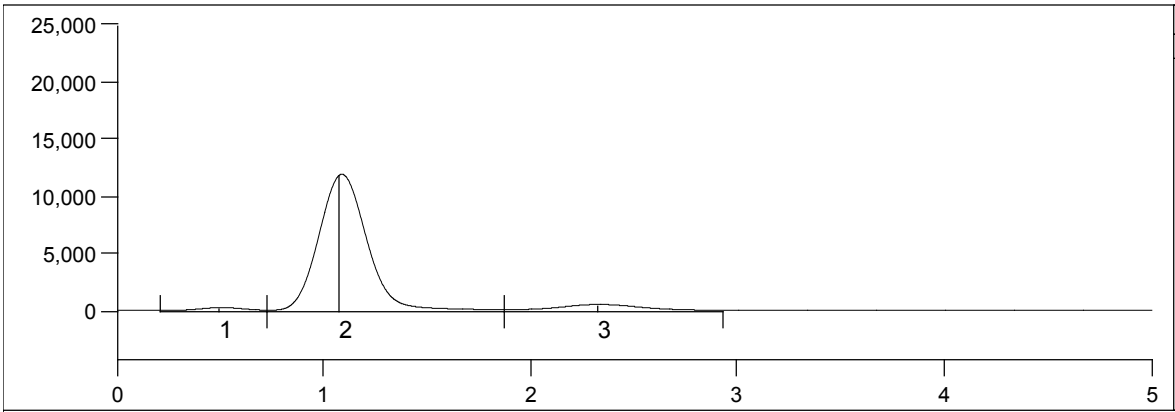
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
97	A	CCB	SEQ-CCB		2	46	0.284		0.284	< 1.15	accept
Notes											



Date: 3/26/14
Time: 9:14 PM

Peak	rt	Height
1	0.50	159
2	1.09	12,139
3	2.34	528

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
98	B	S	R&D SRM3		2	12,139	74.9	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 9:21 PM

Peak	rt	Height
1	0.50	251
2	1.08	11,907
3	2.32	478

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
99	C	S	R&D SRM4		2	11,907	73.5	0.00		< HS	accept
Notes											

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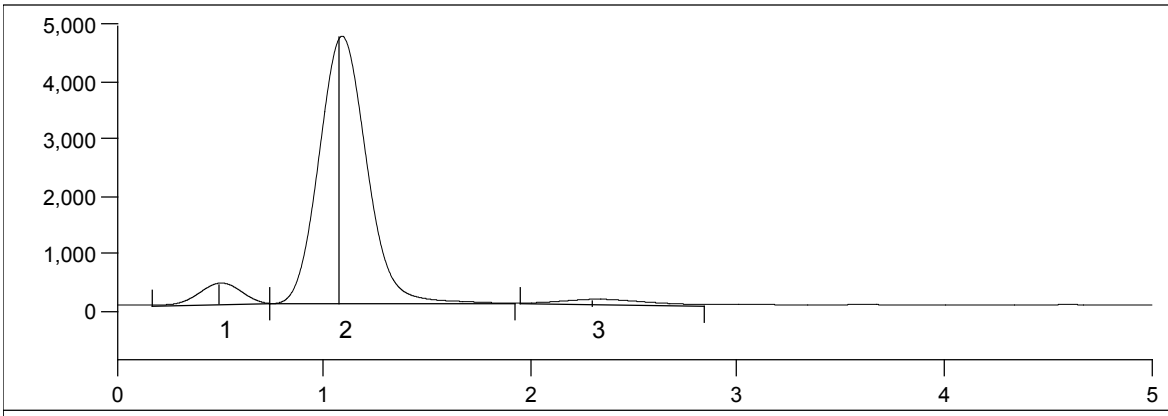
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

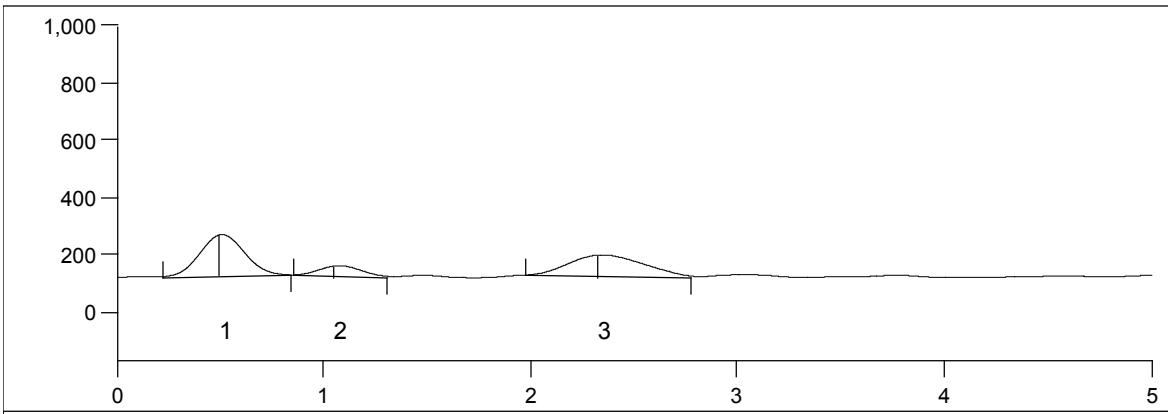
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 9:28 PM

Peak	rt	Height
1	0.50	372
2	1.08	4,685
3	2.30	75

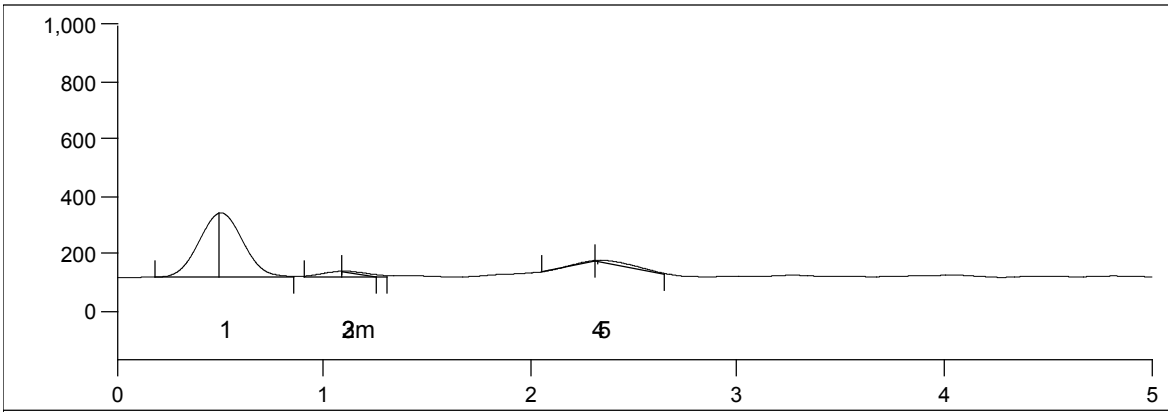
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
100	A	CCV	SEQ-CCV		2	4,685	28.9		116	67-133	accept
Notes											



Date: 3/26/14
Time: 9:34 PM

Peak	rt	Height
1	0.50	145
2	1.06	33
3	2.32	72

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
101	B	CCB	SEQ-CCB		2	33	0.204		0.204	< 1.15	accept
Notes											



Date: 3/26/14
Time: 9:41 PM

Peak	rt	Height
1	0.50	224
2m	1.09	18
3	1.09	1
4	2.31	1
5	2.33	3

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
102	C	S	B140415-BLK1		2m	18	0.0700	0.00		< HS	accept
Notes											

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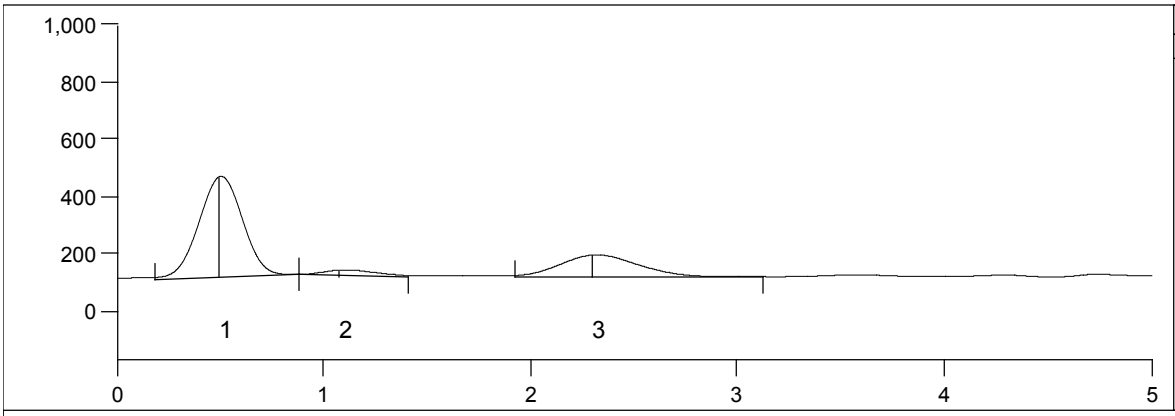
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

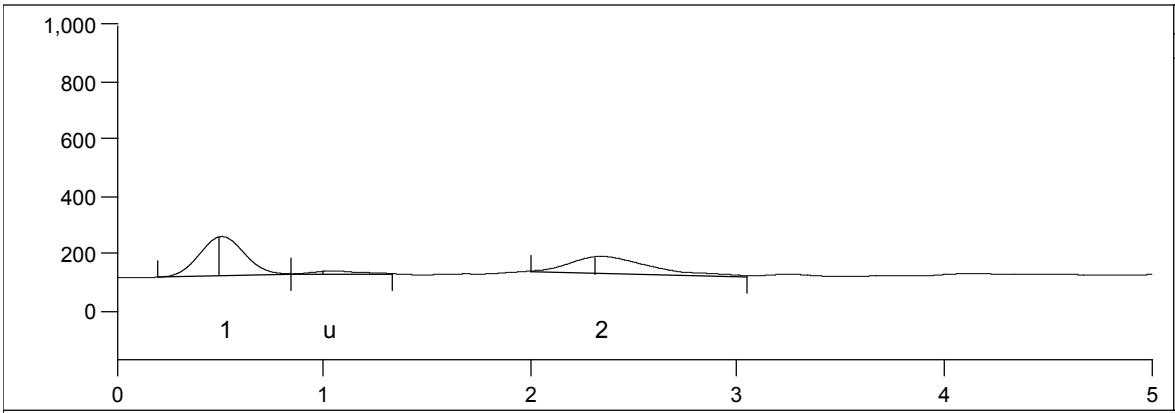
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/26/14
Time: 9:48 PM

Peak	rt	Height
1	0.50	351
2	1.08	17
3	2.30	73

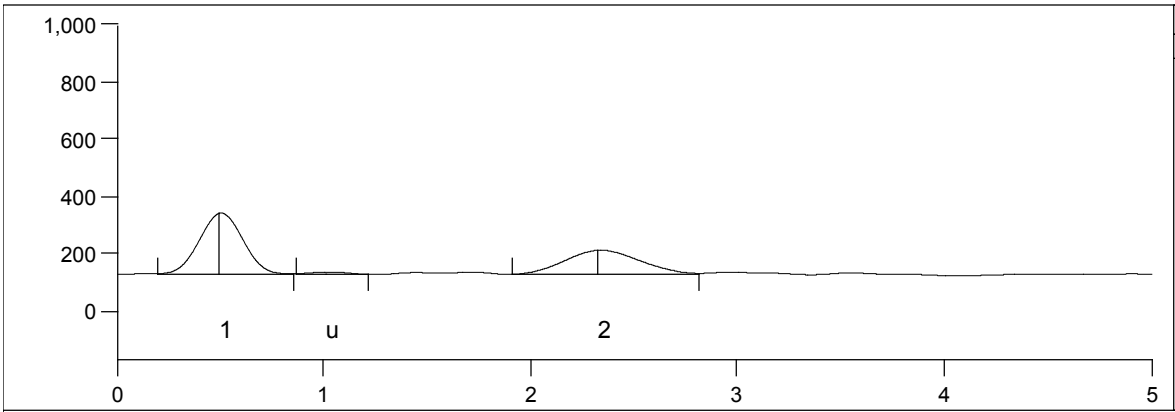
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
103	A	S	B140415-BLK2		2	17	0.0638	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 9:54 PM

Peak	rt	Height
1	0.50	138
2	2.31	55
u	1.00	11

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
104	B	S	B140415-BLK3		u	11	0.0268	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 10:01 PM

Peak	rt	Height
1	0.50	212
2	2.32	83
u	1.01	7

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
105	C	S	B140415-BLK4		u	7	0.00206	0.00		< HS	accept
Notes											

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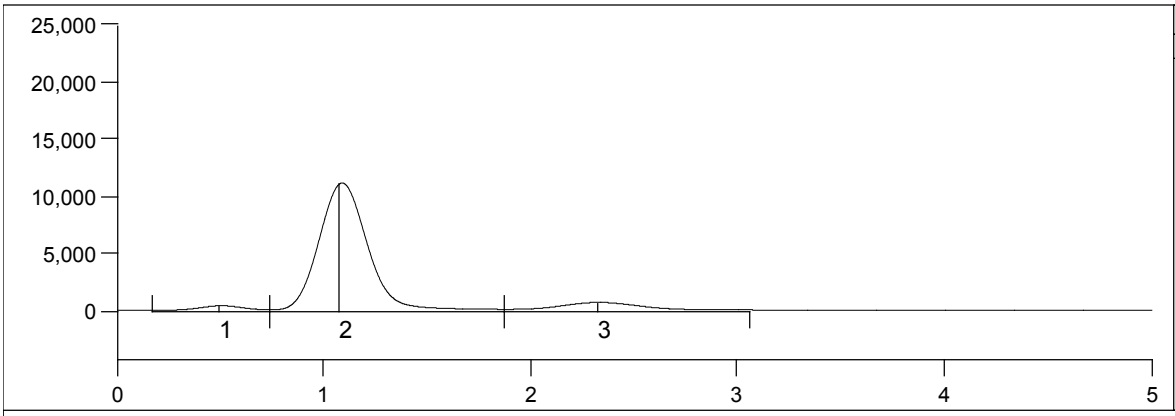
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

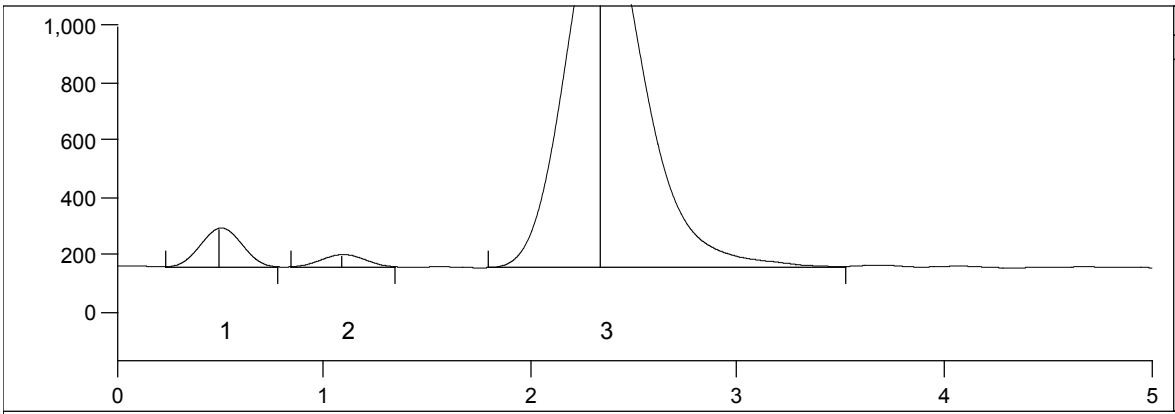
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 10:08 PM

Peak	rt	Height
1	0.50	378
2	1.08	11,109
3	2.32	630

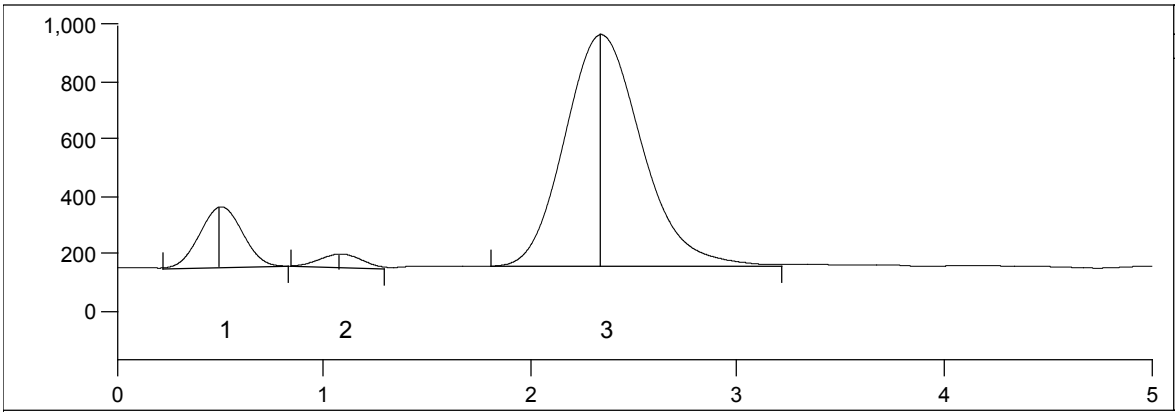
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
106	A	S	B140415-SRM1		2	11,109	68.5	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 10:14 PM

Peak	rt	Height
1	0.50	136
2	1.09	43
3	2.34	1,282

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
107	B	S	1411008-07		2	43	0.224	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 10:21 PM

Peak	rt	Height
1	0.50	212
2	1.07	43
3	2.33	810

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
108	C	S	1411008-08		2	43	0.224	0.00		< HS	accept
Notes											

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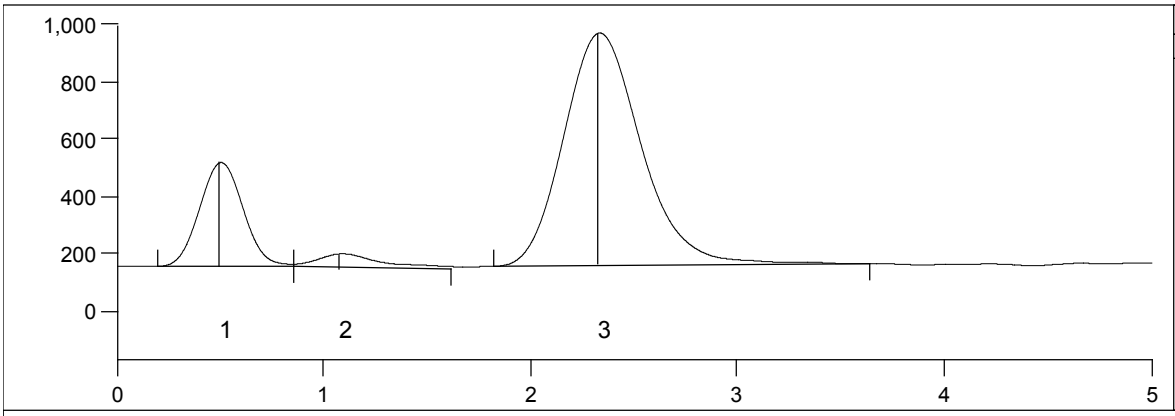
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

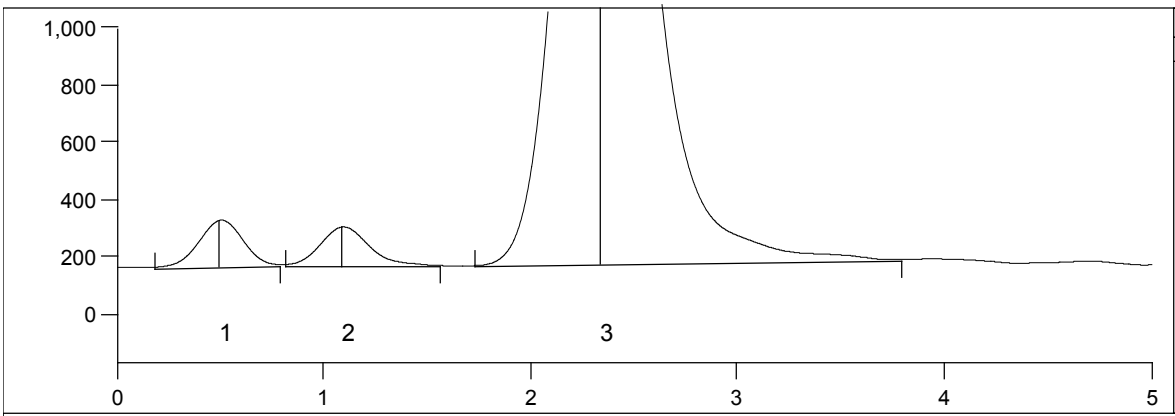
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 10:28 PM

Peak	rt	Height
1	0.50	361
2	1.08	38
3	2.33	816

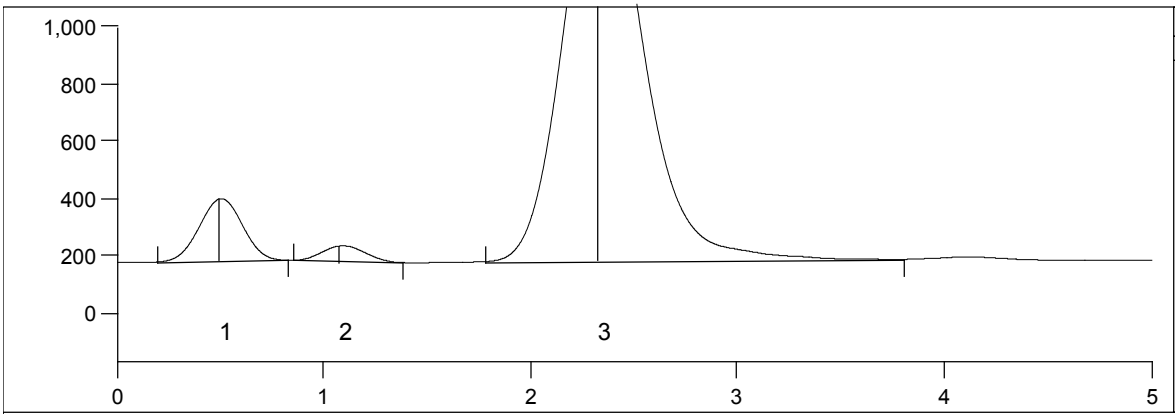
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
109	A	S	1411008-09		2	38	0.193	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 10:34 PM

Peak	rt	Height
1	0.50	160
2	1.09	133
3	2.34	3,173

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
110	B	S	1411008-10		2	133	0.780	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 10:41 PM

Peak	rt	Height
1	0.50	220
2	1.08	54
3	2.33	1,485

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
111	C	S	1411008-11		2	54	0.292	0.00		< HS	accept
Notes											

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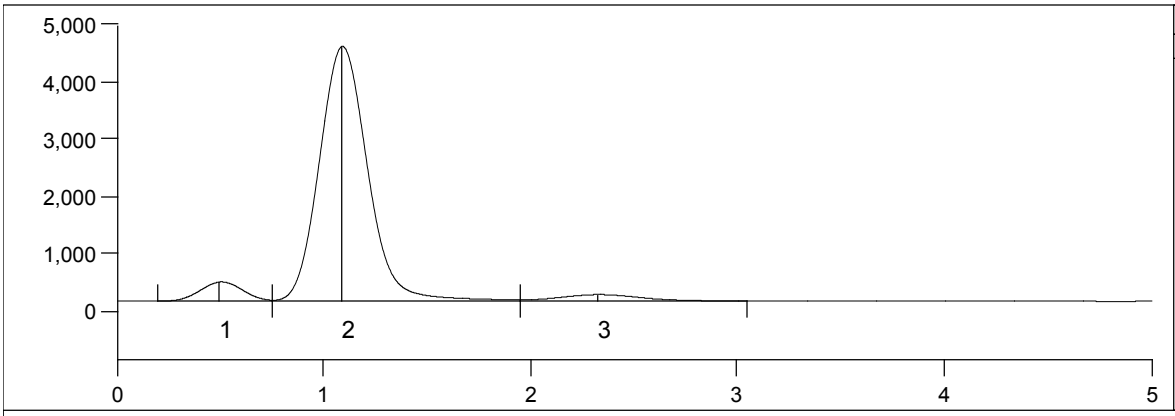
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

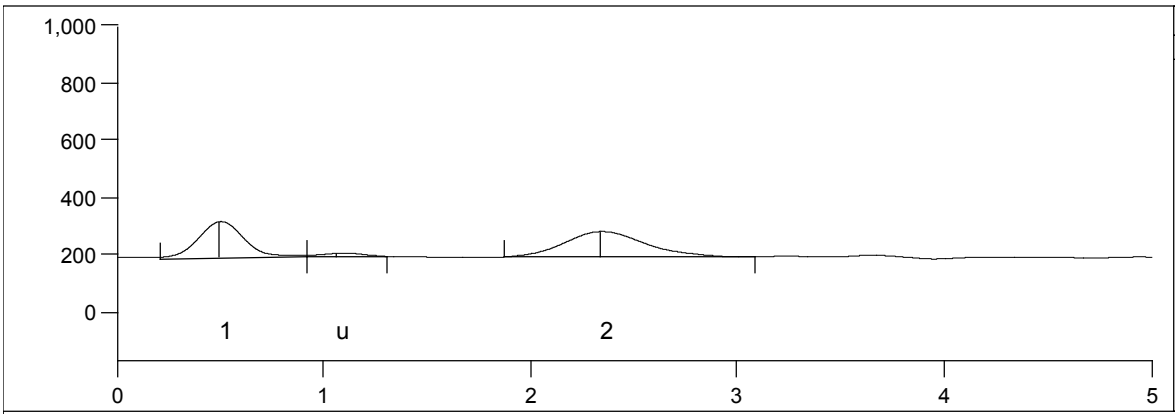
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 10:48 PM

Peak	rt	Height
1	0.50	327
2	1.08	4,446
3	2.32	100

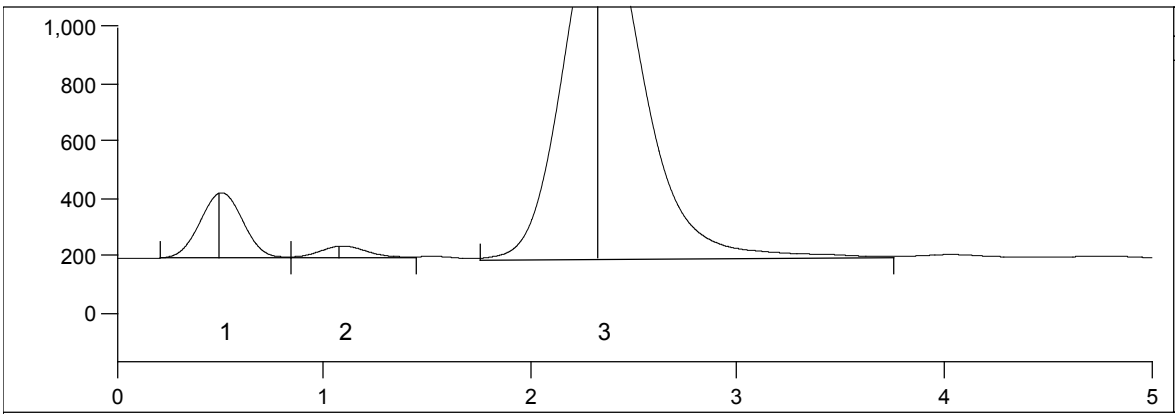
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
112	A	CCV	SEQ-CCV		2	4,446	27.4		110.	67-133	accept
Notes											



Date: 3/26/14
Time: 10:54 PM

Peak	rt	Height
1	0.50	123
2	2.33	89
u	1.06	8

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
113	B	CCB	SEQ-CCB		u	8	0.0494		0.0494	< 1.15	accept
Notes											



Date: 3/26/14
Time: 11:01 PM

Peak	rt	Height
1	0.50	227
2	1.08	38
3	2.33	1,243

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
114	C	S	B140415-DUP1		2	38	0.193	0.00		< HS	accept
Notes											

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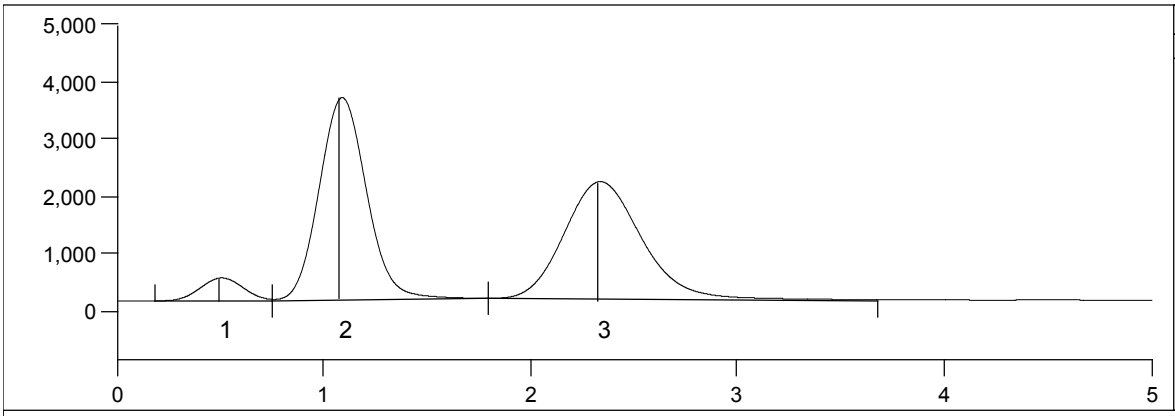
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

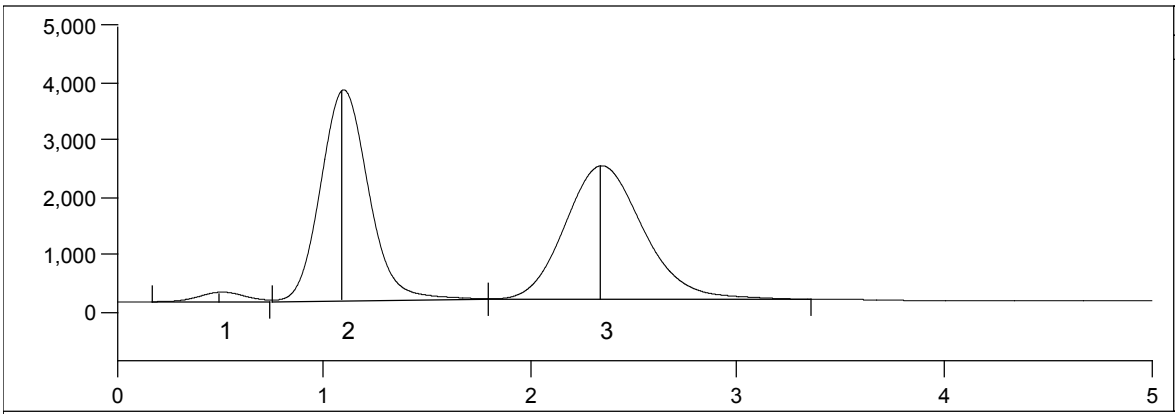
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 11:08 PM

Peak	rt	Height
1	0.50	388
2	1.08	3,530
3	2.33	2,053

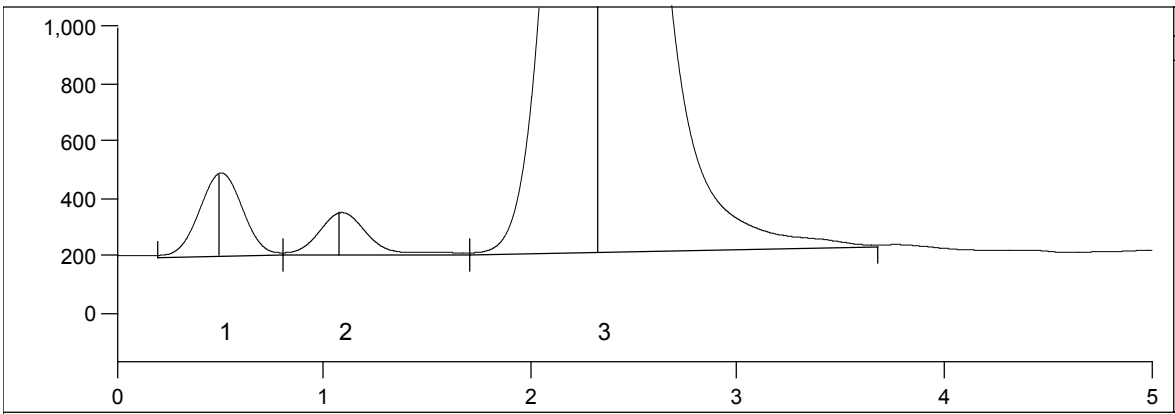
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
115	A	S	B140415-MS1		2	3,530	21.7	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 11:14 PM

Peak	rt	Height
1	0.50	153
2	1.09	3,679
3	2.34	2,337

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
116	B	S	B140415-MSD1		2	3,679	22.7	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 11:21 PM

Peak	rt	Height
1	0.50	285
2	1.08	142
3	2.33	4,724

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
117	C	S	1411008-12		2	142	0.835	0.00		< HS	accept
Notes											

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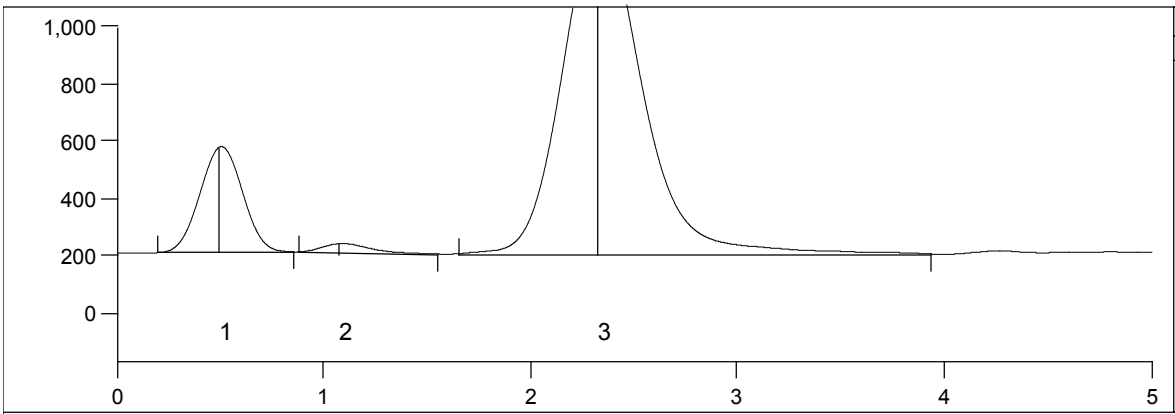
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

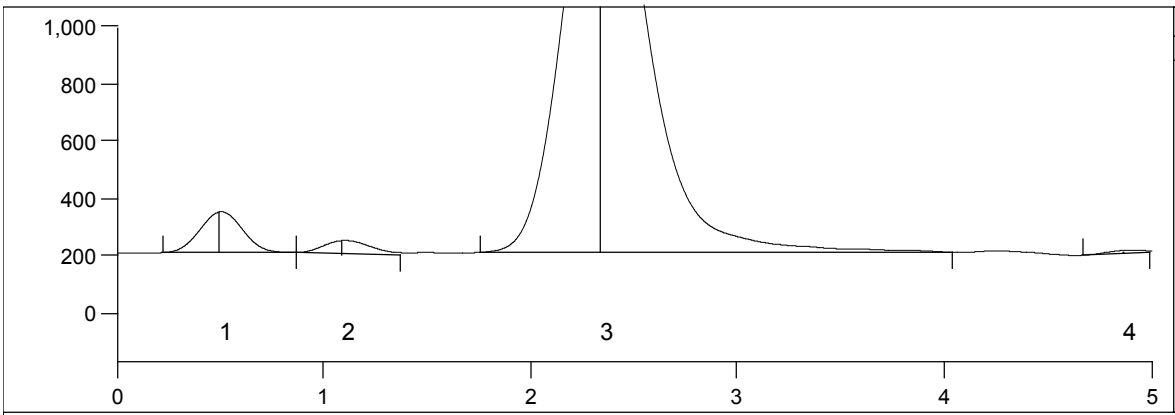
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/26/14
Time: 11:28 PM

Peak	rt	Height
1	0.50	372
2	1.08	31
3	2.32	1,174

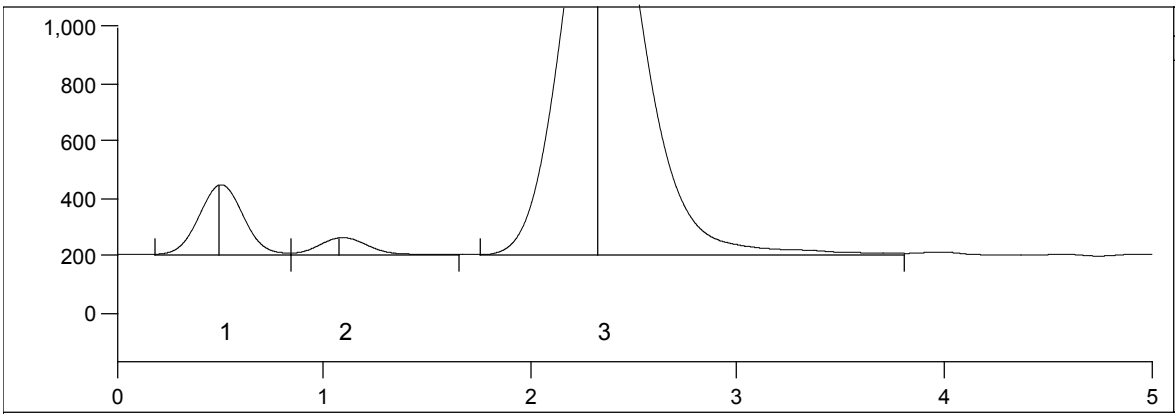
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
118	A	S	1411008-13		2	31	0.150	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 11:34 PM

Peak	rt	Height
1	0.50	143
2	1.09	43
3	2.34	1,654
4	4.87	9

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
119	B	S	1411008-14		2	43	0.224	0.00		< HS	accept
Notes											



Date: 3/26/14
Time: 11:41 PM

Peak	rt	Height
1	0.50	242
2	1.08	56
3	2.33	1,548

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
120	C	S	1411008-15		2	56	0.305	0.00		< HS	accept
Notes											

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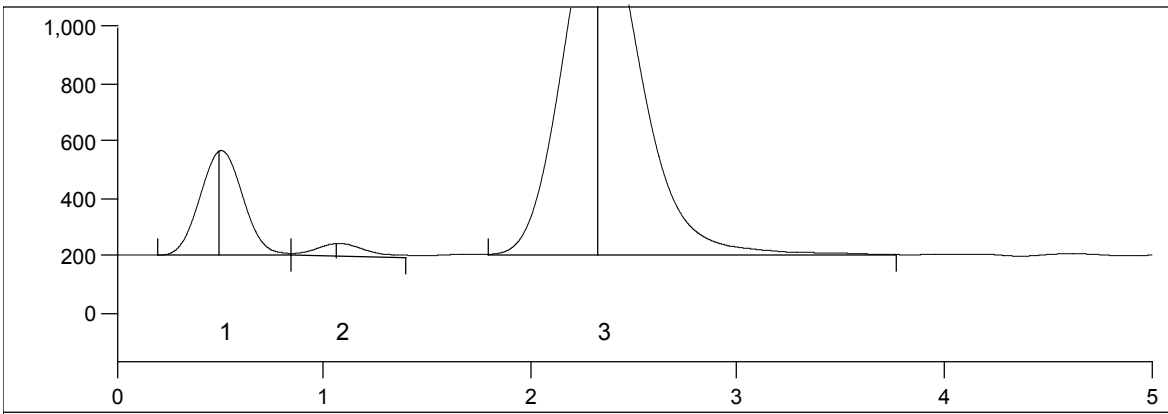
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

Date Analyzed: 3/26/14
Analyst Name: AAP

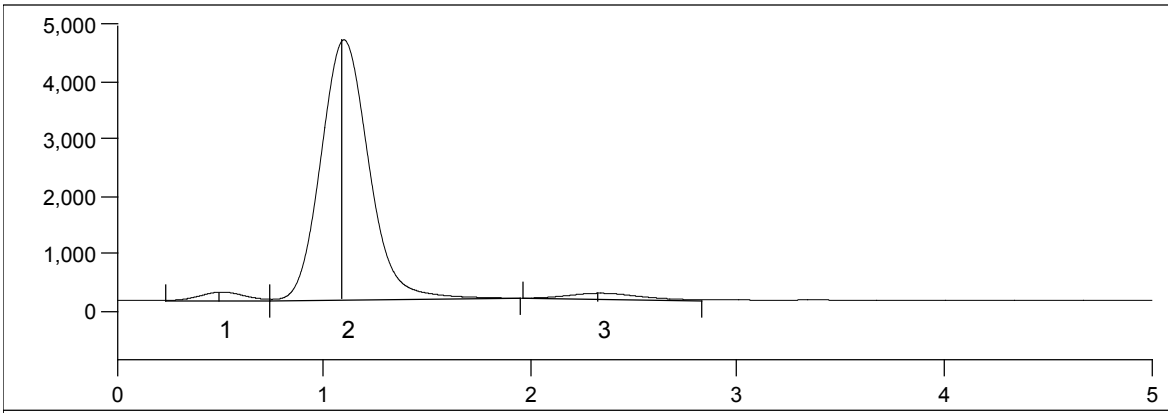


Date: 3/26/14
Time: 11:48 PM

Peak	rt	Height
1	0.50	365
2	1.06	37
3	2.32	1,233

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
121	A	S	1411008-16		2	37	0.187	0.00		< HS	accept

Notes

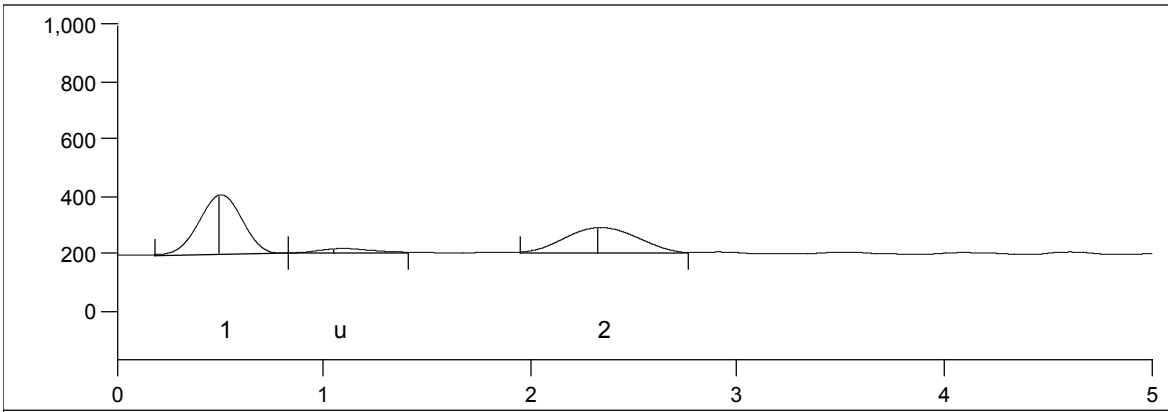


Date: 3/26/14
Time: 11:54 PM

Peak	rt	Height
1	0.50	136
2	1.09	4,544
3	2.32	97

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
122	B	CCV	SEQ-CCV		2	4,544	28.0		112	67-133	accept

Notes



Date: 3/27/14
Time: 12:01 AM

Peak	rt	Height
1	0.50	208
2	2.32	86
u	1.06	15

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
123	C	CCB	SEQ-CCB		u	15	0.0926		0.0926	< 1.15	accept

Notes

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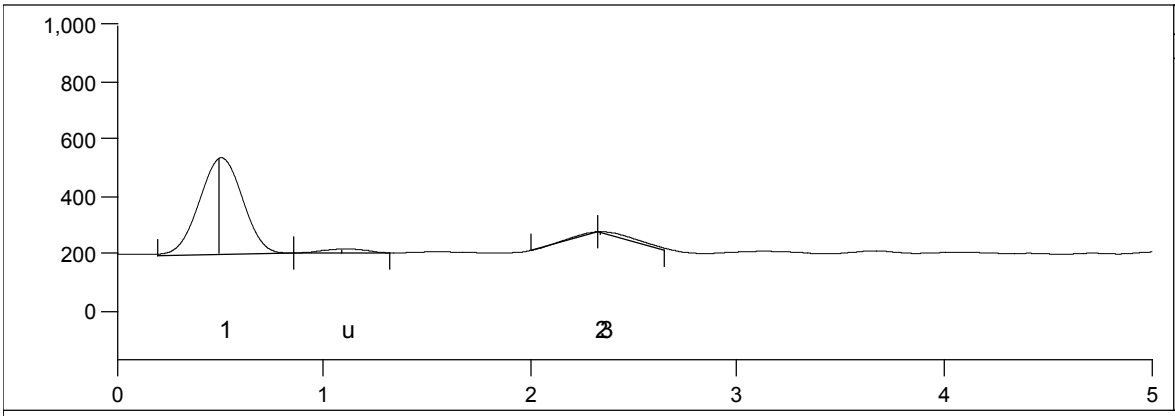
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

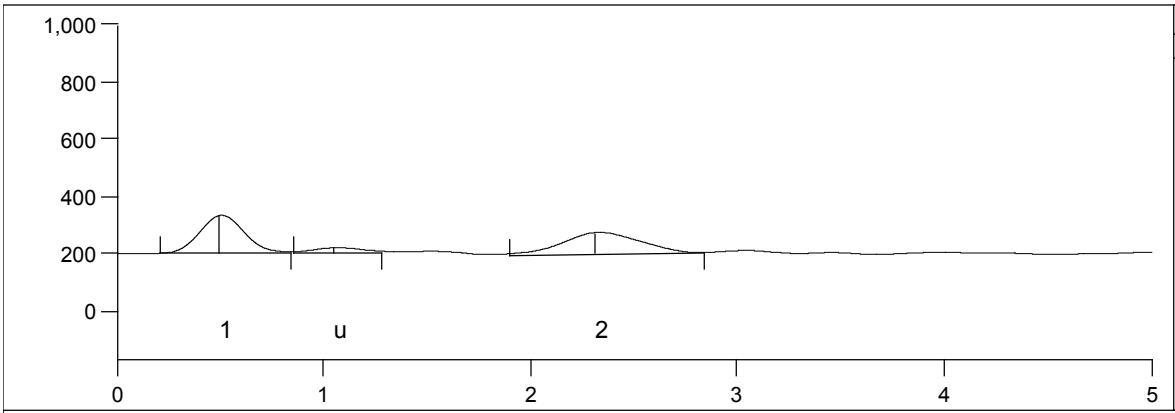
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/27/14
Time: 12:08 AM

Peak	rt	Height
1	0.50	337
2	2.32	2
3	2.33	3
u	1.08	15

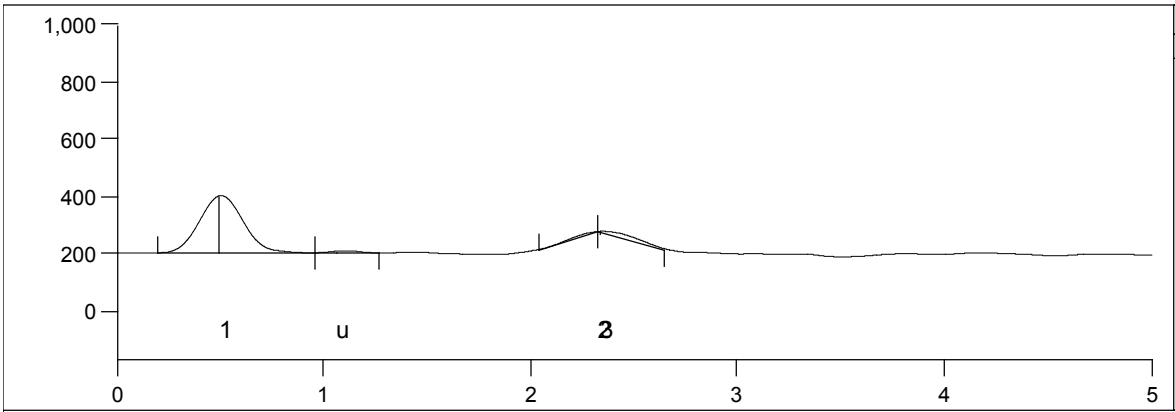
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
124	A	S	B140436-BLK1		u	15	0.0514	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 12:14 AM

Peak	rt	Height
1	0.50	131
2	2.31	73
u	1.05	15

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
125	B	S	B140436-BLK2		u	15	0.0514	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 12:21 AM

Peak	rt	Height
1	0.50	201
2	2.32	1
3	2.34	4
u	1.06	7

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
126	C	S	B140436-BLK3		u	7	0.00206	0.00		< HS	accept
Notes											

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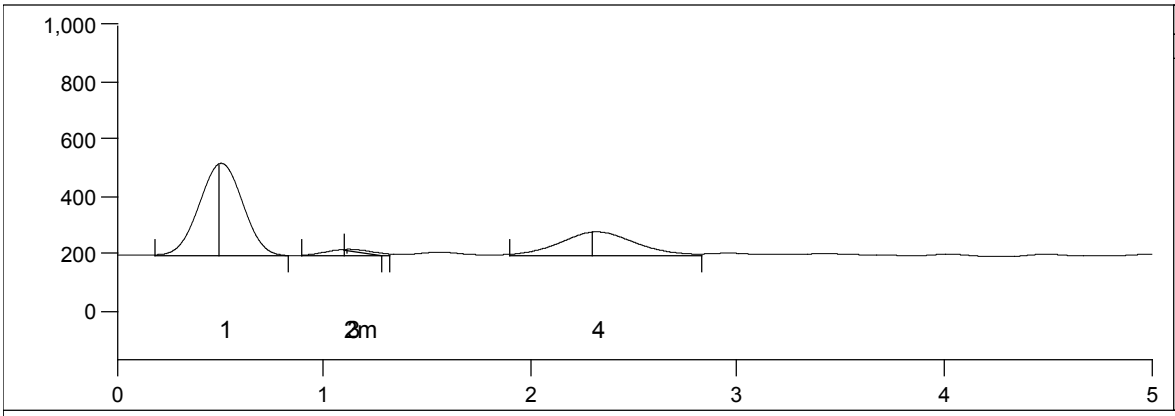
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

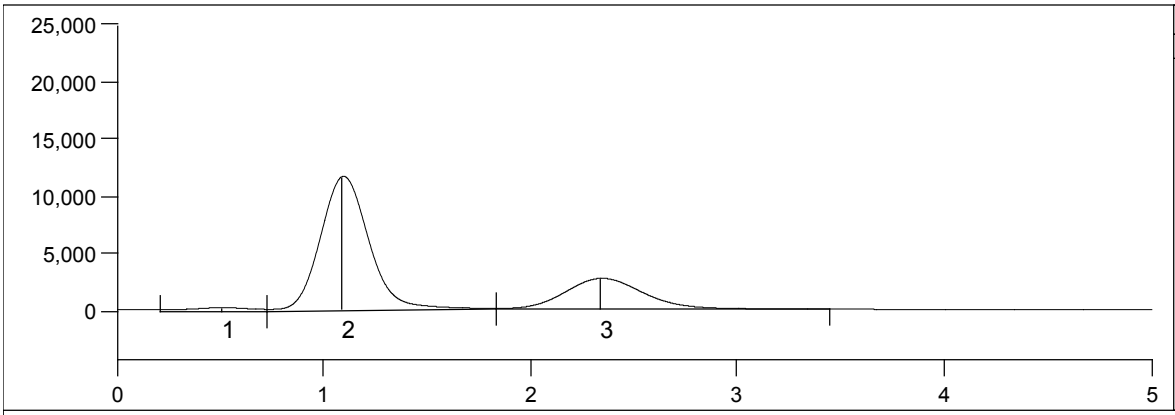
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/27/14
Time: 12:28 AM

Peak	rt	Height
1	0.50	323
2m	1.11	20
3	1.11	2
4	2.30	79

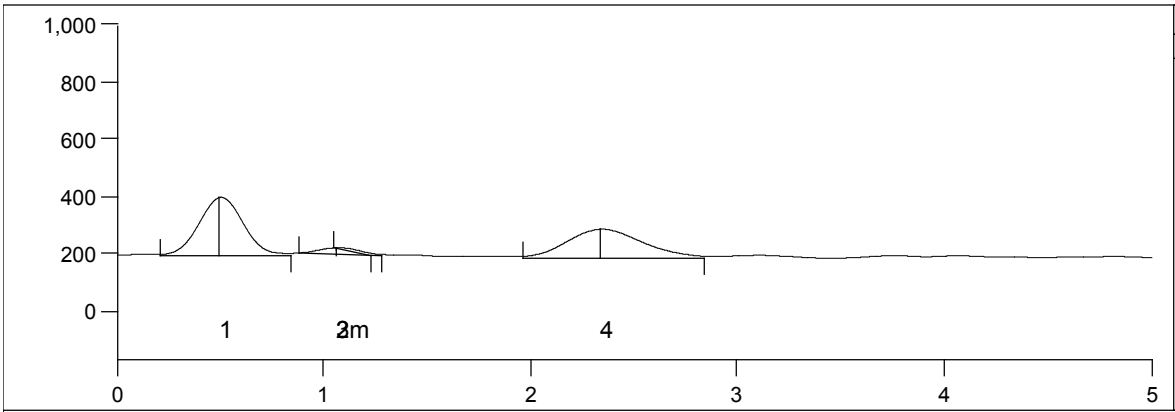
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
127	A	S	B140436-BLK4		2m	20	0.0823	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 12:34 AM

Peak	rt	Height
1	0.50	174
2	1.09	11,634
3	2.34	2,659

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
128	B	S	B140436-SRM1		2	11,634	71.8	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 12:41 AM

Peak	rt	Height
1	0.50	199
2m	1.06	21
3	1.06	2
4	2.33	94

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
129	C	S	1411043-01		2m	21	0.0885	0.00		< HS	accept
Notes											

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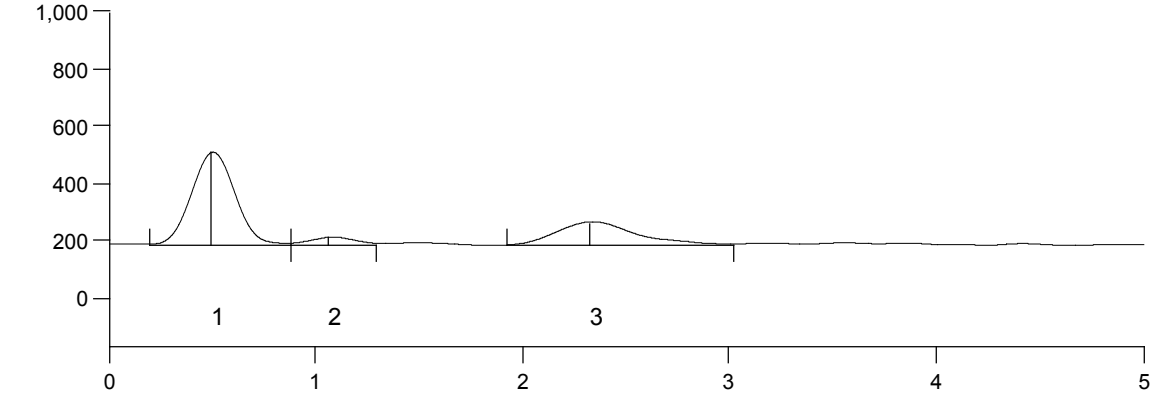
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

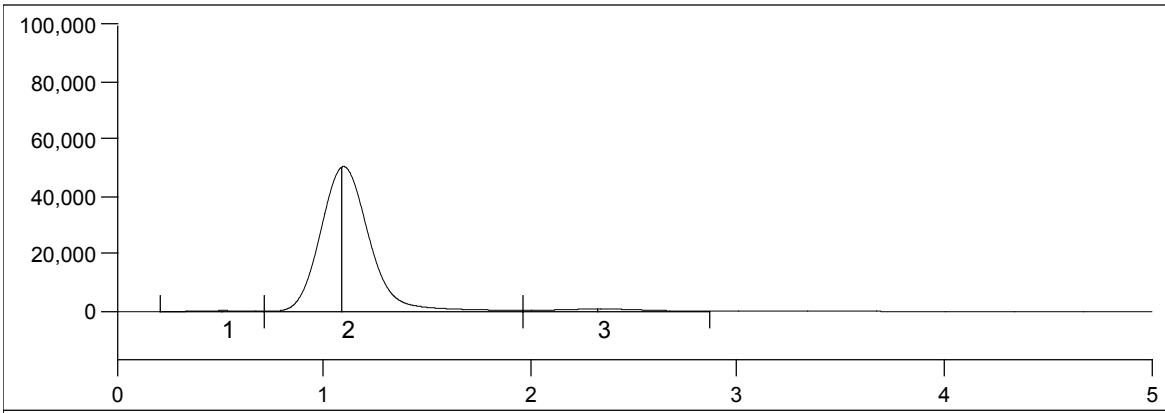
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/27/14
Time: 12:48 AM

Peak	rt	Height
1	0.50	322
2	1.06	20
3	2.32	81

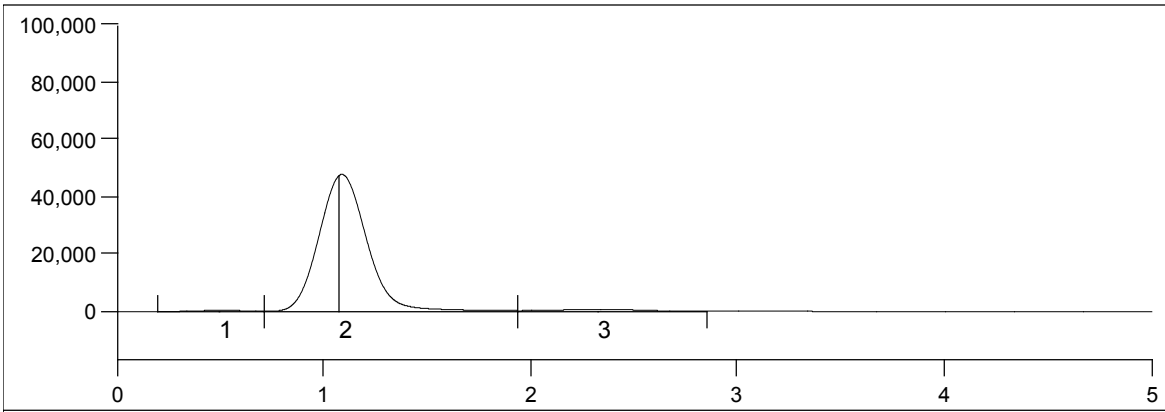
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
130	A	S	B140436-DUP1		2	20	0.0823	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 12:54 AM

Peak	rt	Height
1	0.51	251
2	1.09	50,636
3	2.33	586

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
131	B	S	B140436-MS1		2	50,636	313	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 1:01 AM

Peak	rt	Height
1	0.50	363
2	1.08	47,906
3	2.32	543

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
132	C	S	B140436-MSD1		2	47,906	296	0.00		< HS	accept
Notes											

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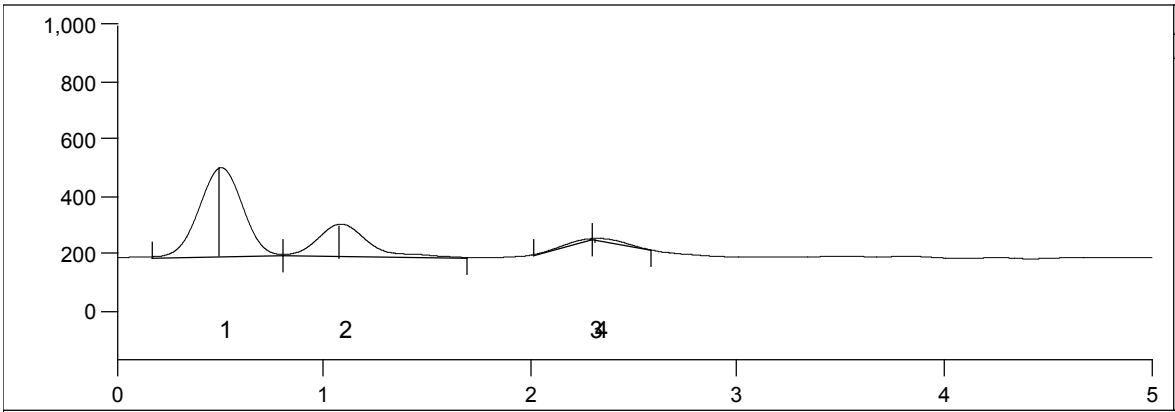
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

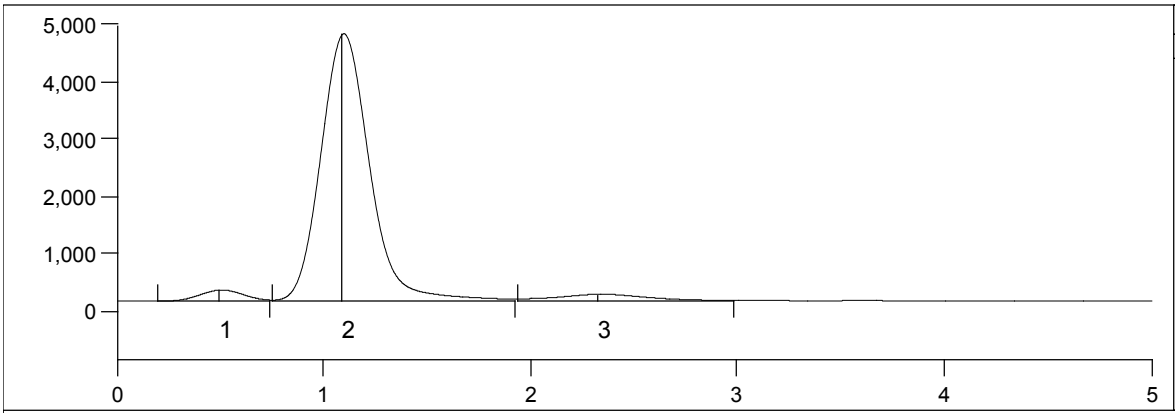
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/27/14
Time: 1:08 AM

Peak	rt	Height
1	0.50	308
2	1.07	109
3	2.29	1
4	2.32	3

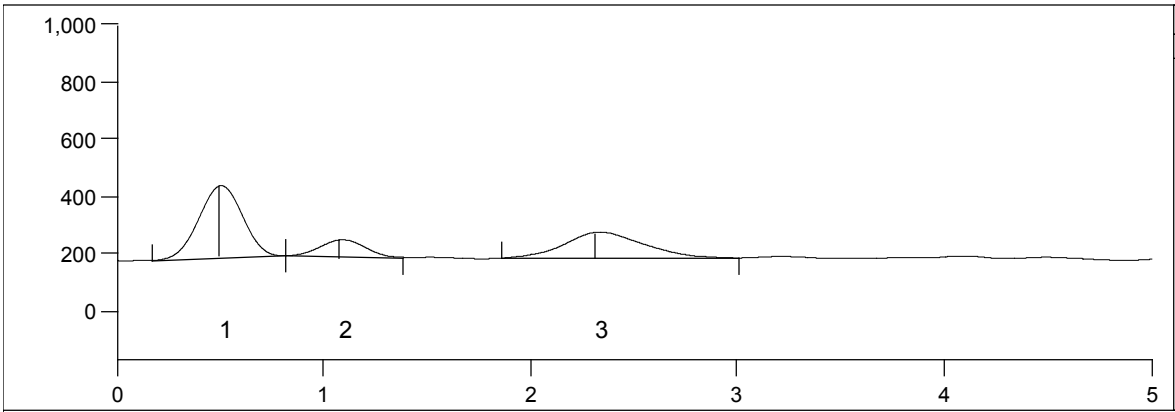
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
133	A	S	1411043-02		2	109	0.632	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 1:14 AM

Peak	rt	Height
1	0.50	185
2	1.09	4,661
3	2.33	91

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
134	B	CCV	SEQ-CCV		2	4,661	28.7		115	67-133	accept
Notes											



Date: 3/27/14
Time: 1:21 AM

Peak	rt	Height
1	0.50	254
2	1.08	58
3	2.32	91

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
135	C	CCB	SEQ-CCB		2	58	0.358		0.358	< 1.15	accept
Notes											

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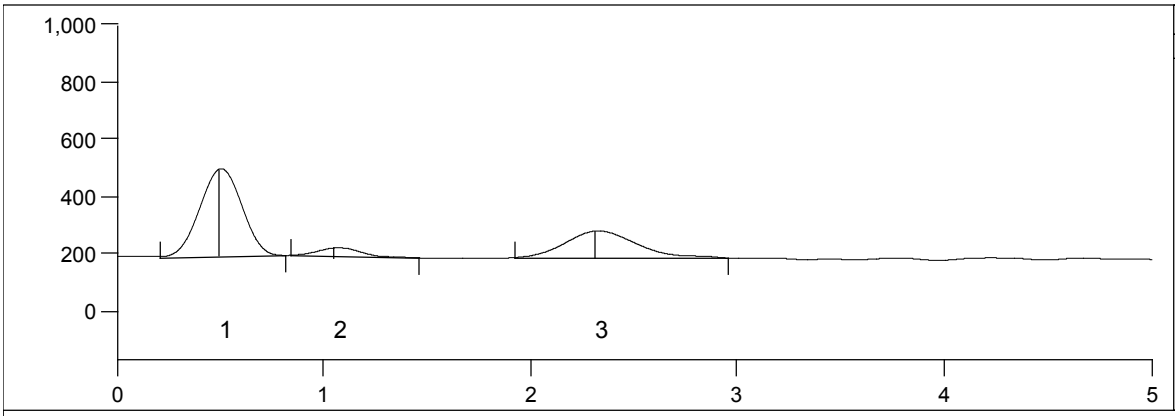
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

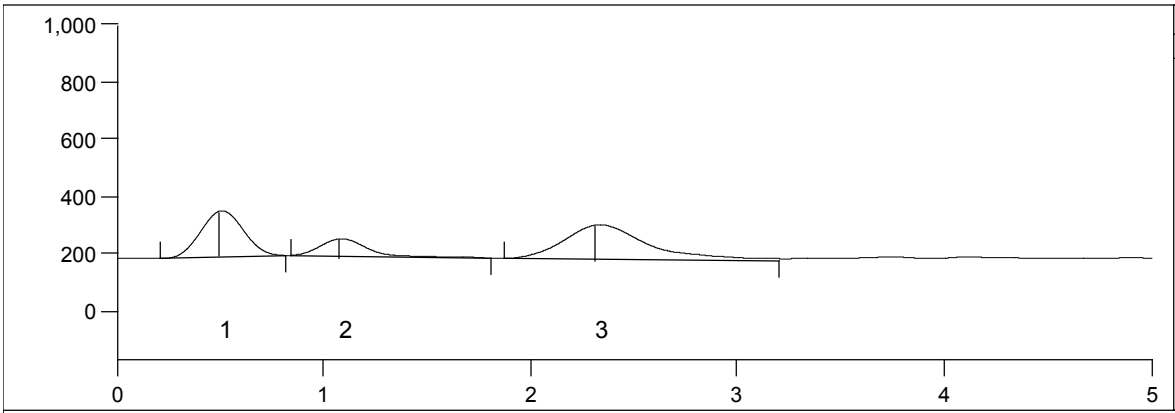
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/27/14
Time: 1:28 AM

Peak	rt	Height
1	0.50	307
2	1.05	29
3	2.31	94

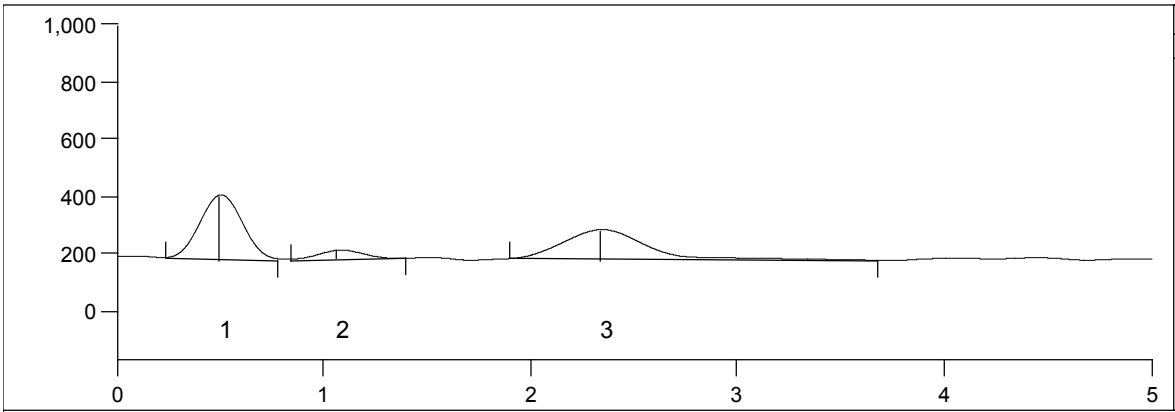
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
136	A	S	1411043-03		2	29	0.138	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 1:34 AM

Peak	rt	Height
1	0.50	163
2	1.07	59
3	2.32	118

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
137	B	S	1411043-04		2	59	0.323	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 1:41 AM

Peak	rt	Height
1	0.50	222
2	1.06	30
3	2.34	103

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
138	C	S	1411043-05		2	30	0.144	0.00		< HS	accept
Notes											

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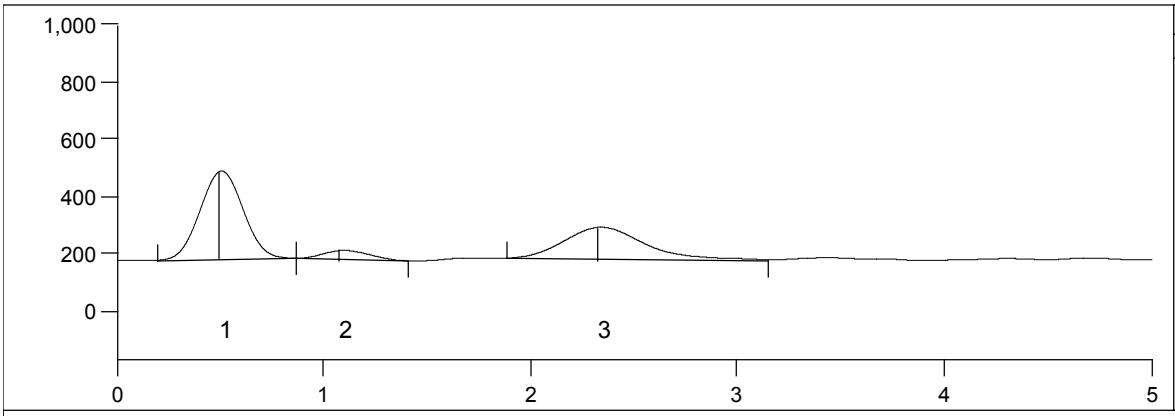
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

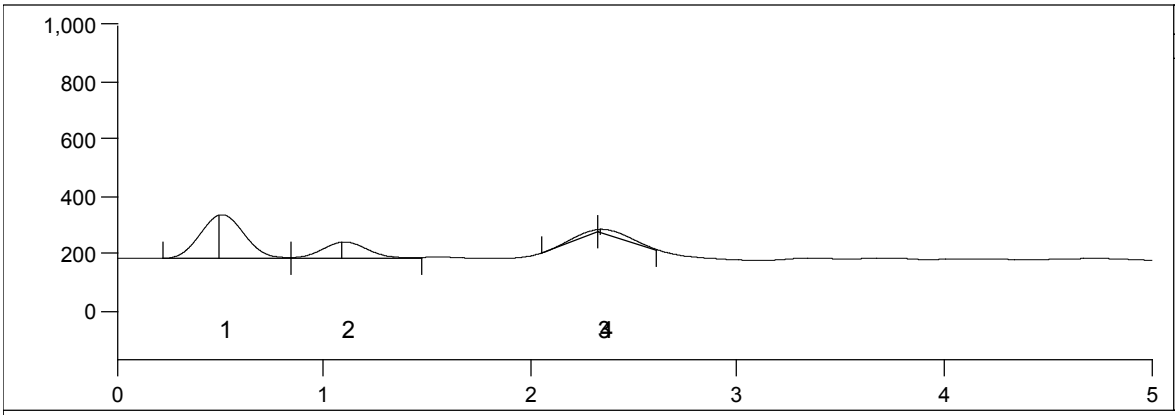
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/27/14
Time: 1:48 AM

Peak	rt	Height
1	0.50	310
2	1.08	30
3	2.32	110

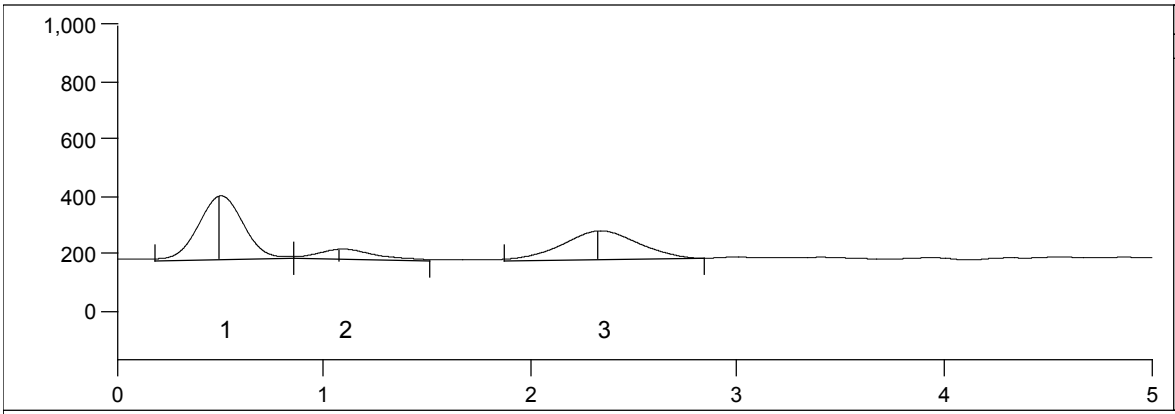
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
139	A	S	1411043-06		2	30	0.144	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 1:54 AM

Peak	rt	Height
1	0.50	152
2	1.09	54
3	2.32	1
4	2.34	3

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
140	B	S	1411043-07		2	54	0.292	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 2:01 AM

Peak	rt	Height
1	0.50	218
2	1.07	29
3	2.33	99

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
141	C	S	1411043-08		2	29	0.138	0.00		< HS	accept
Notes											

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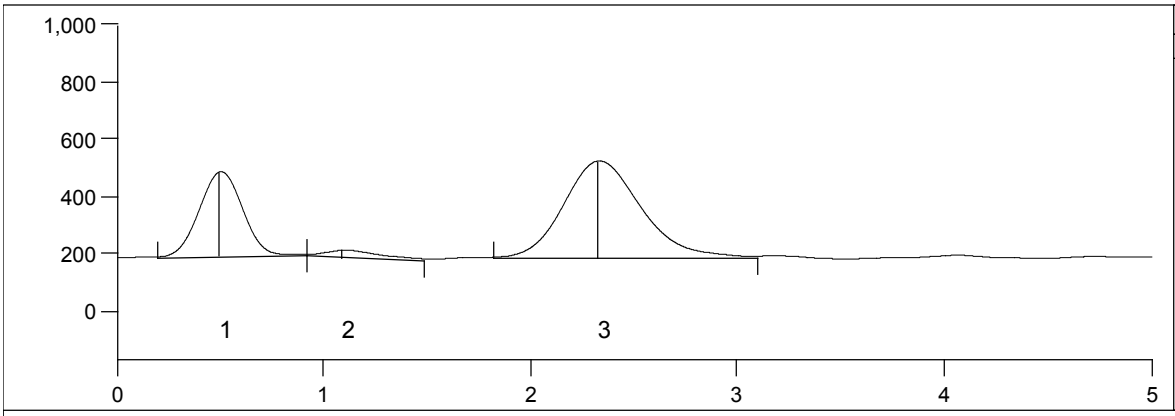
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

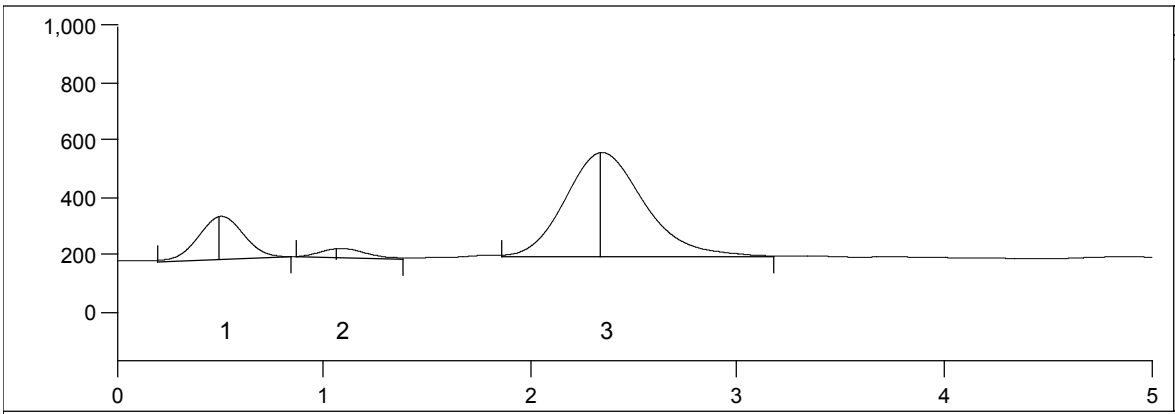
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/27/14
Time: 2:08 AM

Peak	rt	Height
1	0.50	296
2	1.08	19
3	2.32	337

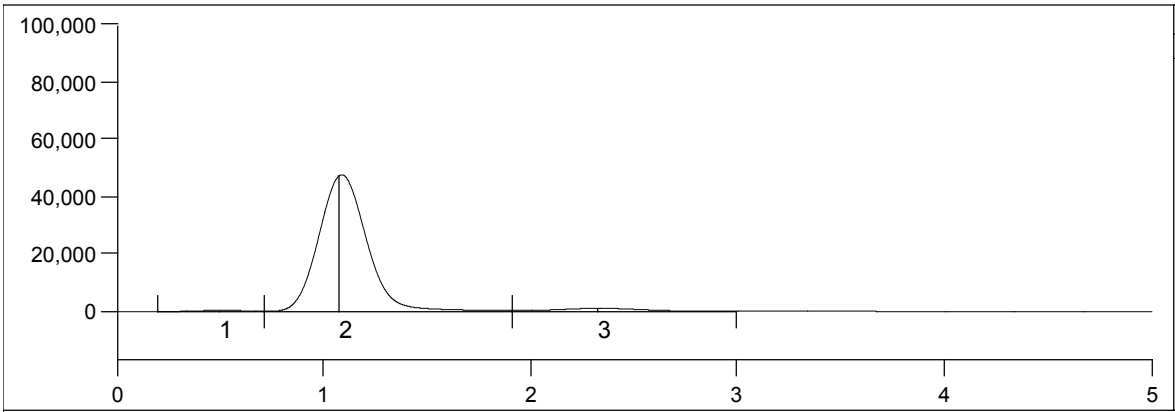
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
142	A	S	1411043-09		2	19	0.0761	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 2:14 AM

Peak	rt	Height
1	0.50	149
2	1.06	30
3	2.34	361

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
143	B	S	B140436-DUP2		2	30	0.144	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 2:21 AM

Peak	rt	Height
1	0.50	374
2	1.08	47,795
3	2.32	893

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
144	C	S	B140436-MS2		2	47,795	295	0.00		< HS	accept
Notes											

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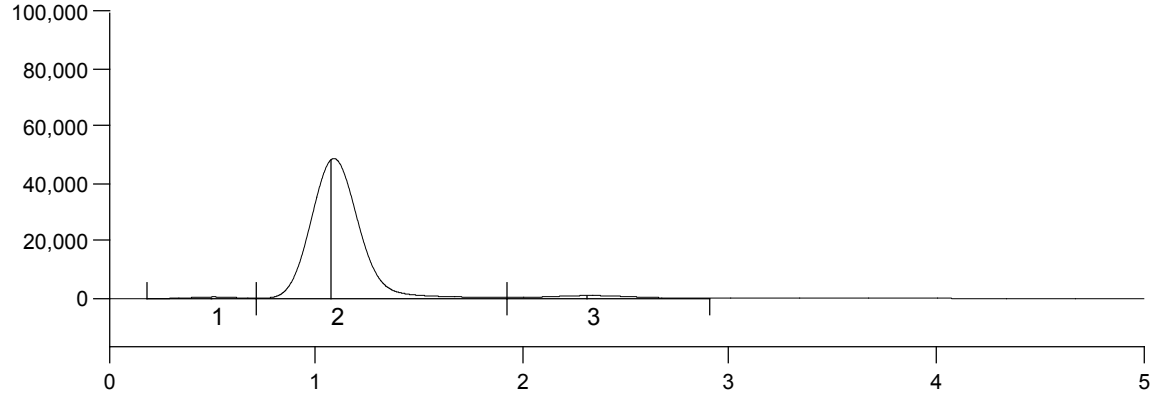
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

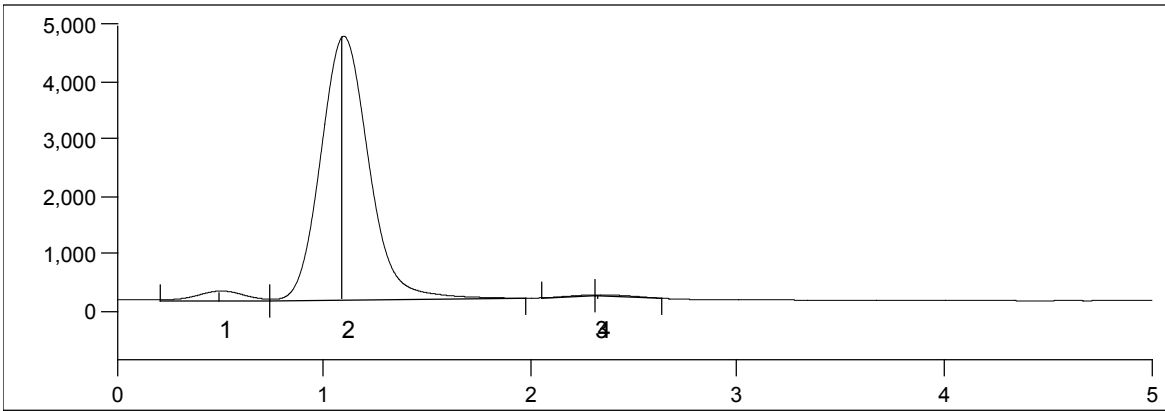
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/27/14
Time: 2:28 AM

Peak	rt	Height
1	0.50	465
2	1.08	48,903
3	2.32	775

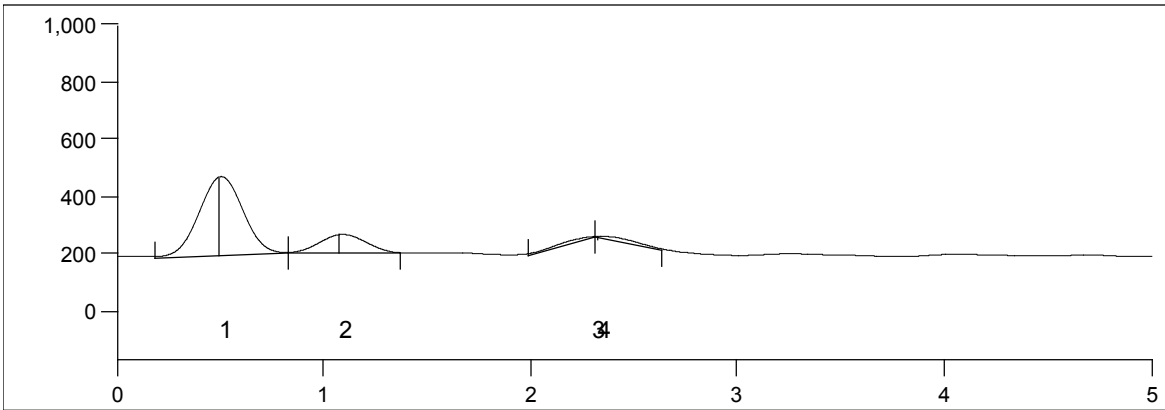
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
145	A	S	B140436-MSD2		2	48,903	302	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 2:34 AM

Peak	rt	Height
1	0.50	151
2	1.09	4,607
3	2.31	2
4	2.33	3

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
146	B	CCV	SEQ-CCV		2	4,607	28.4		114	67-133	accept
Notes											



Date: 3/27/14
Time: 2:41 AM

Peak	rt	Height
1	0.50	274
2	1.08	64
3	2.31	2
4	2.33	3

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
147	C	CCB	SEQ-CCB		2	64	0.395		0.395	< 1.15	accept
Notes											

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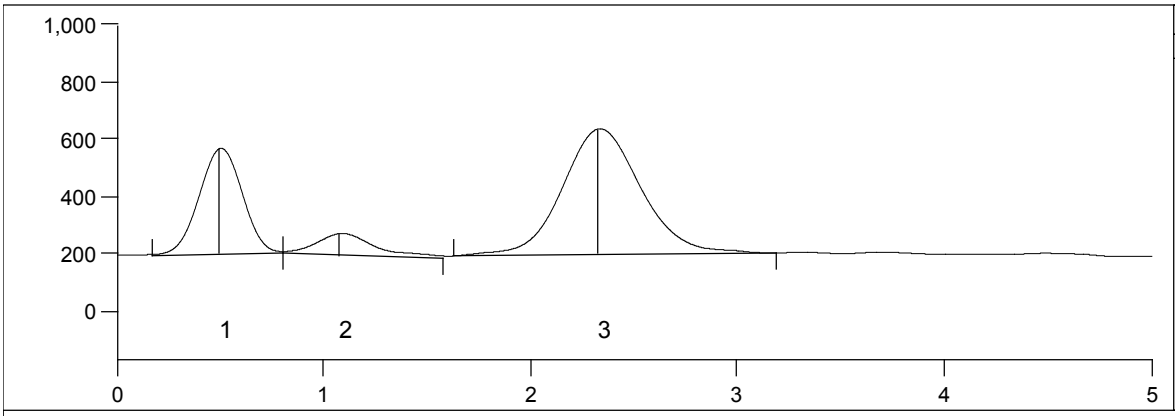
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

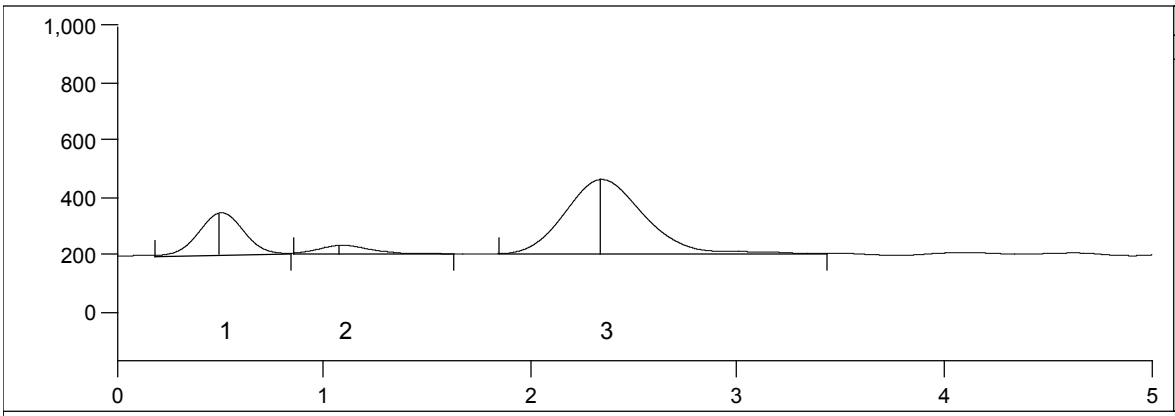
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/27/14
Time: 2:48 AM

Peak	rt	Height
1	0.50	367
2	1.08	68
3	2.33	441

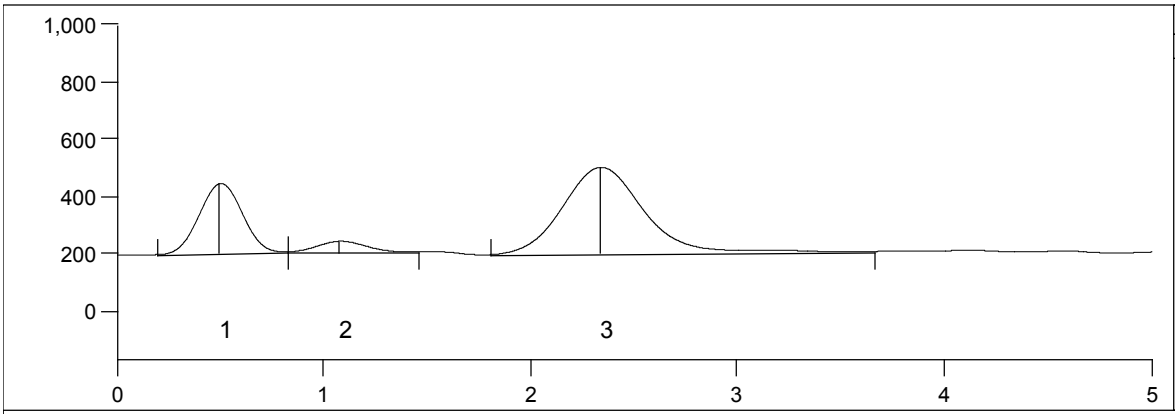
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
148	A	S	1411043-10		2	68	0.379	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 2:54 AM

Peak	rt	Height
1	0.50	147
2	1.07	27
3	2.34	260

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
149	B	S	1411043-11		2	27	0.126	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 3:01 AM

Peak	rt	Height
1	0.50	245
2	1.07	37
3	2.33	303

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
150	C	S	1411043-12		2	37	0.187	0.00		< HS	accept
Notes											

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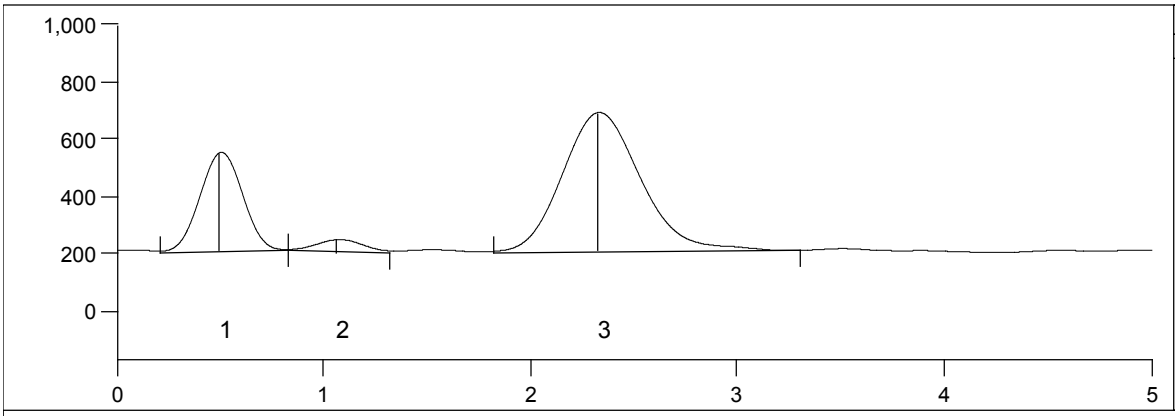
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

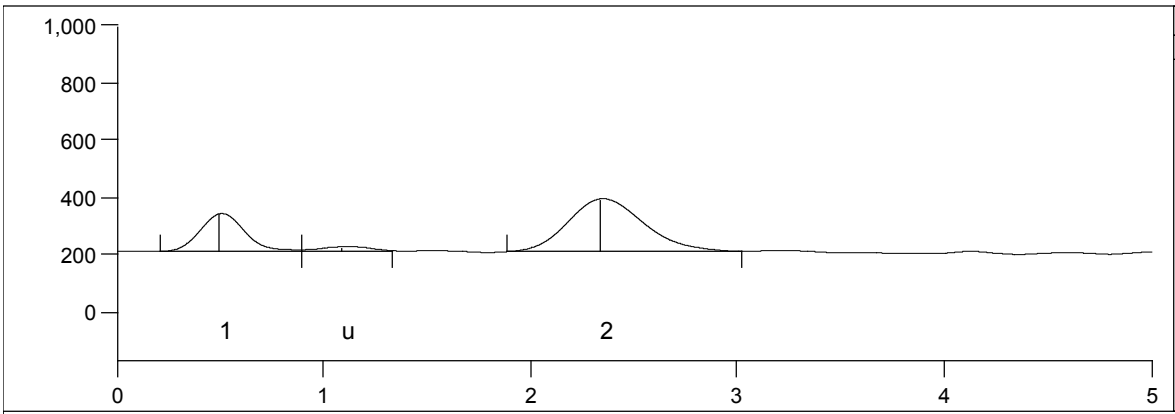
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/27/14
Time: 3:08 AM

Peak	rt	Height
1	0.50	345
2	1.06	37
3	2.32	485

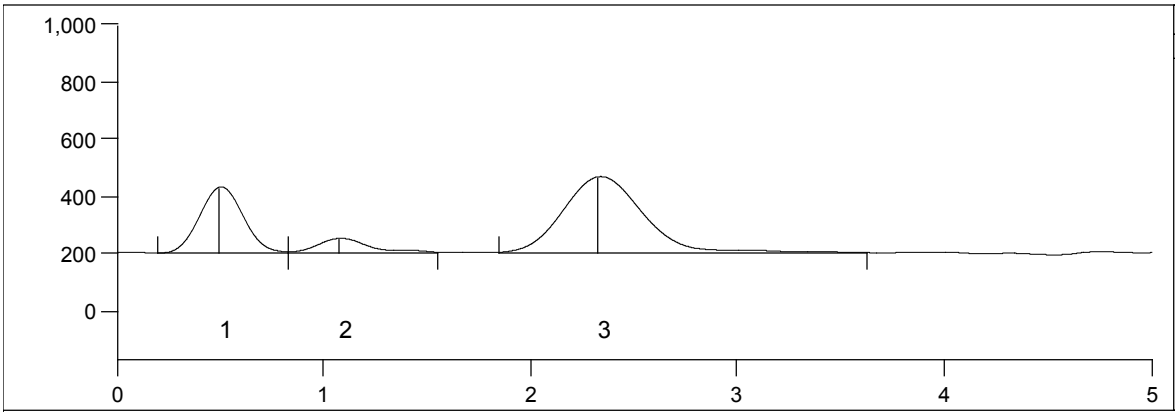
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
151	A	S	1411043-13		2	37	0.187	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 3:14 AM

Peak	rt	Height
1	0.50	131
2	2.34	185
u	1.09	13

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
152	B	S	1411043-14		u	13	0.0391	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 3:21 AM

Peak	rt	Height
1	0.50	230
2	1.08	48
3	2.33	265

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
153	C	S	1411043-15		2	48	0.255	0.00		< HS	accept
Notes											

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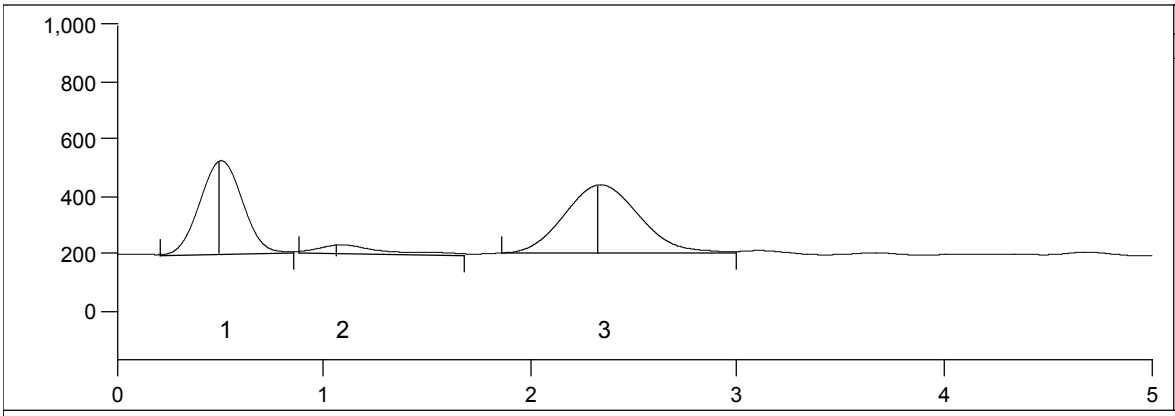
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

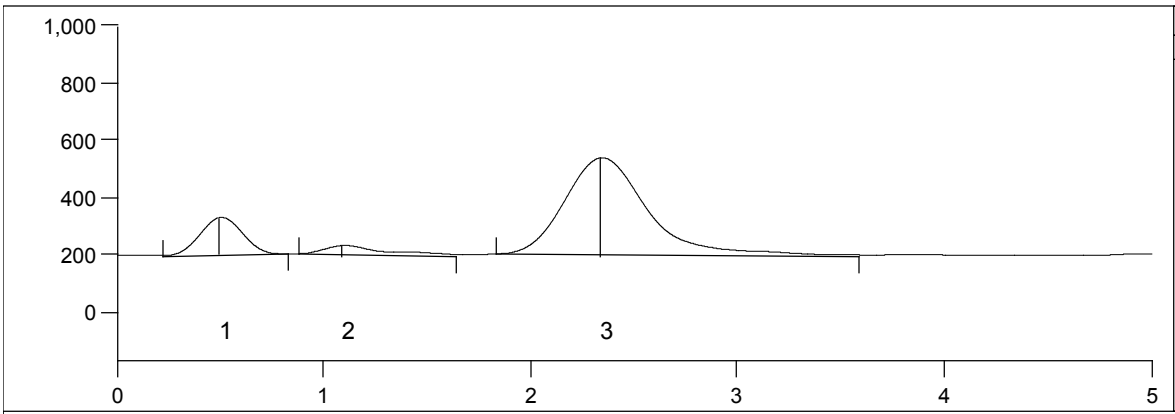
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/27/14
Time: 3:28 AM

Peak	rt	Height
1	0.50	326
2	1.07	24
3	2.33	237

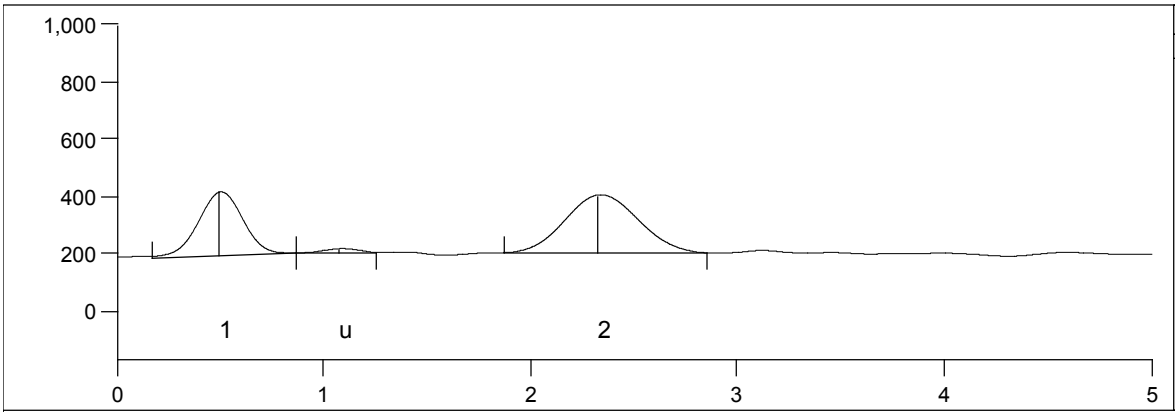
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
154	A	S	1411043-16		2	24	0.107	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 3:34 AM

Peak	rt	Height
1	0.50	132
2	1.08	29
3	2.34	338

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
155	B	S	1411043-17		2	29	0.138	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 3:41 AM

Peak	rt	Height
1	0.50	221
2	2.33	203
u	1.07	15

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
156	C	S	1411043-18		u	15	0.0514	0.00		< HS	accept
Notes											

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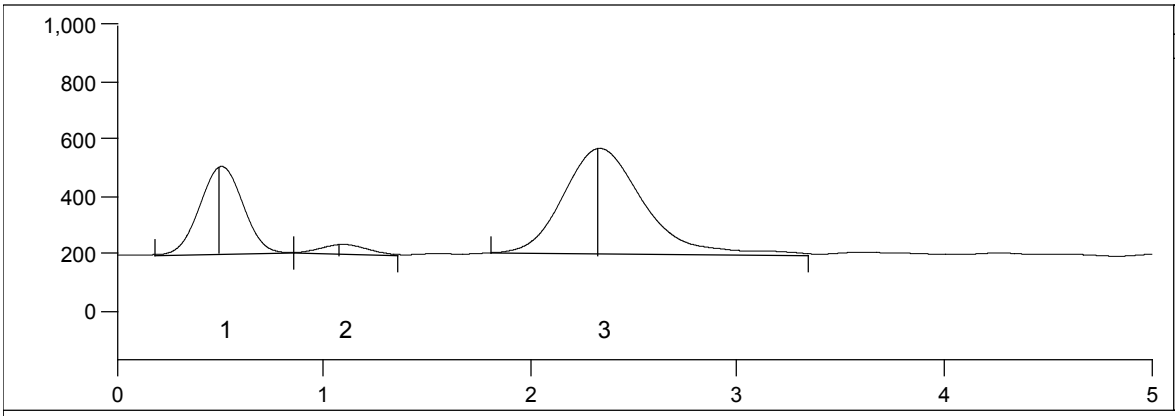
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

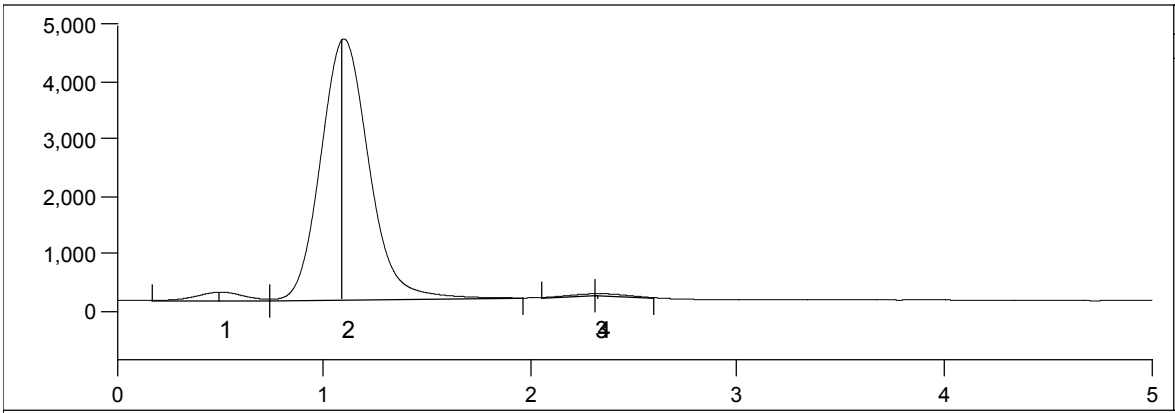
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/27/14
Time: 3:48 AM

Peak	rt	Height
1	0.50	306
2	1.07	30
3	2.33	367

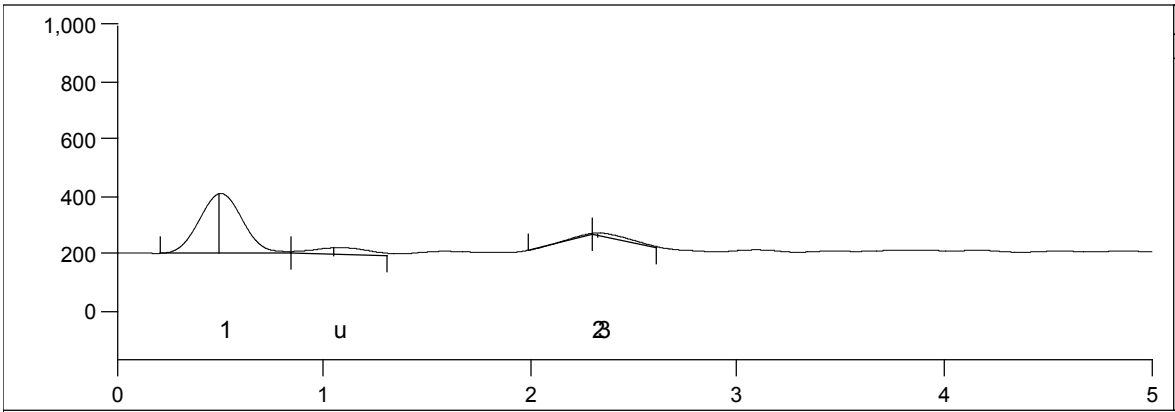
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
157	A	S	1411043-19		2	30	0.144	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 3:54 AM

Peak	rt	Height
1	0.50	134
2	1.09	4,559
3	2.31	1
4	2.32	3

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
158	B	CCV	SEQ-CCV		2	4,559	28.1		112	67-133	accept
Notes											



Date: 3/27/14
Time: 4:01 AM

Peak	rt	Height
1	0.50	207
2	2.30	1
3	2.32	3
u	1.05	17

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
159	C	CCB	SEQ-CCB		u	17	0.105		0.105	< 1.15	accept
Notes											

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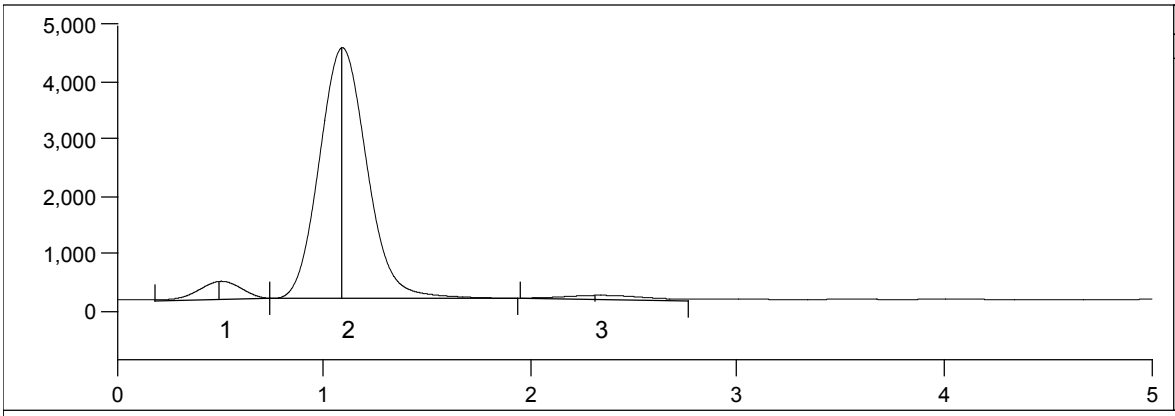
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

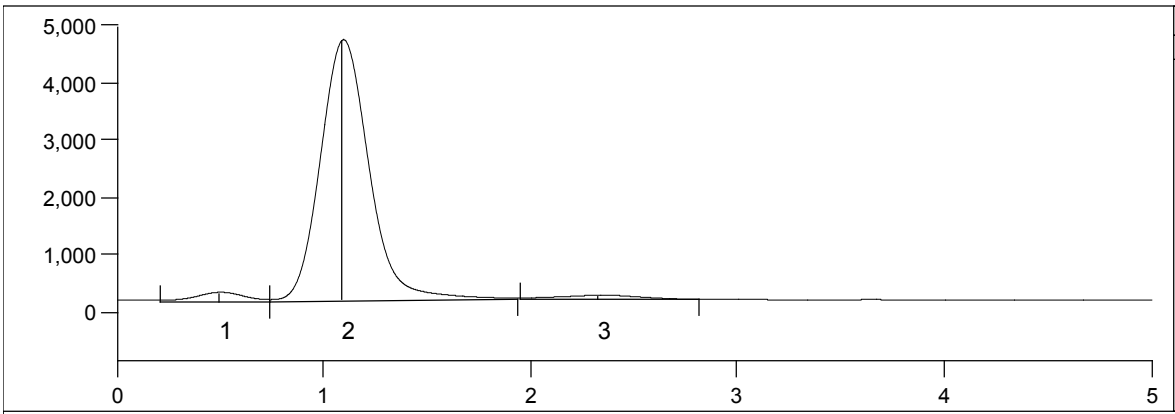
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/27/14
Time: 4:08 AM

Peak	rt	Height
1	0.50	312
2	1.08	4,397
3	2.31	58

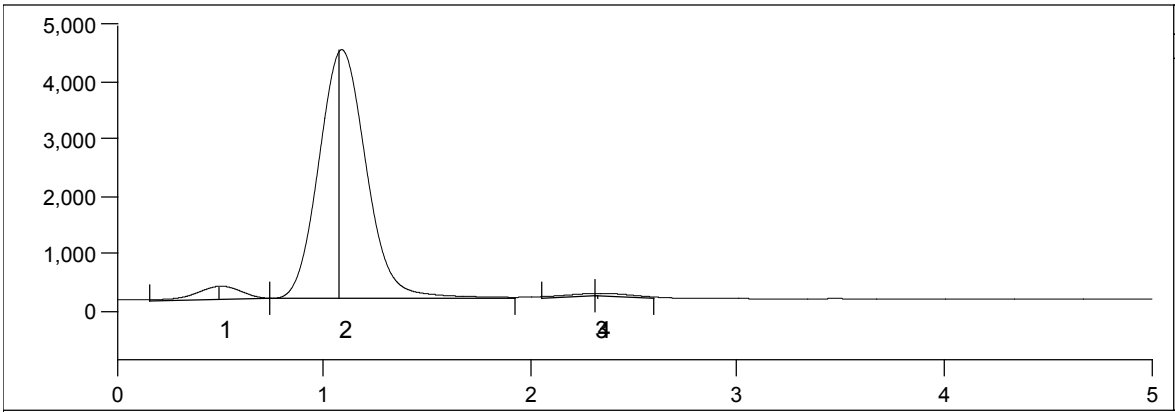
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
160	A	CCV	1ng\mLOLD		2	4,397	27.1		108	67-133	accept
Notes											



Date: 3/27/14
Time: 4:14 AM

Peak	rt	Height
1	0.49	135
2	1.09	4,549
3	2.32	60

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
161	B	CCV	1ng\mLOLD		2	4,549	28.0		112	67-133	accept
Notes											



Date: 3/27/14
Time: 4:21 AM

Peak	rt	Height
1	0.50	224
2	1.08	4,353
3	2.31	1
4	2.33	4

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
162	C	CCV	1ng\mLOLD		2	4,353	26.8		107	67-133	accept
Notes											

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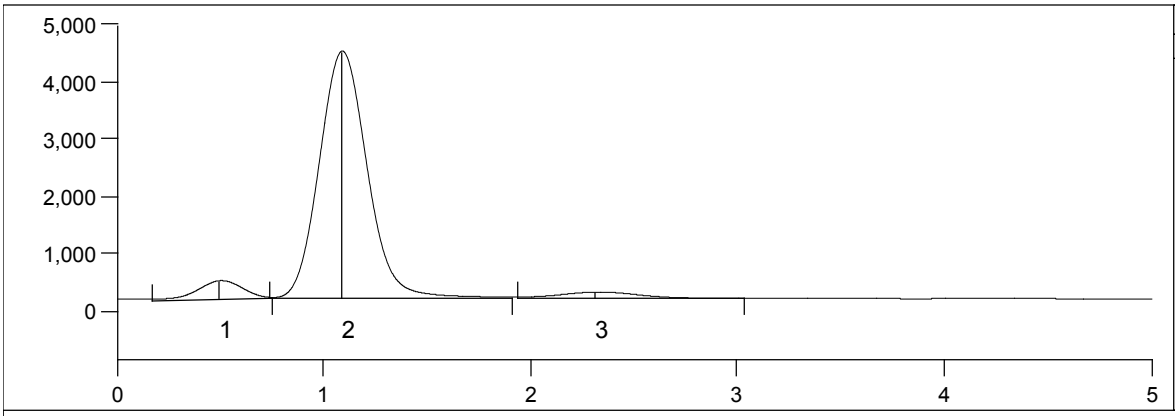
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

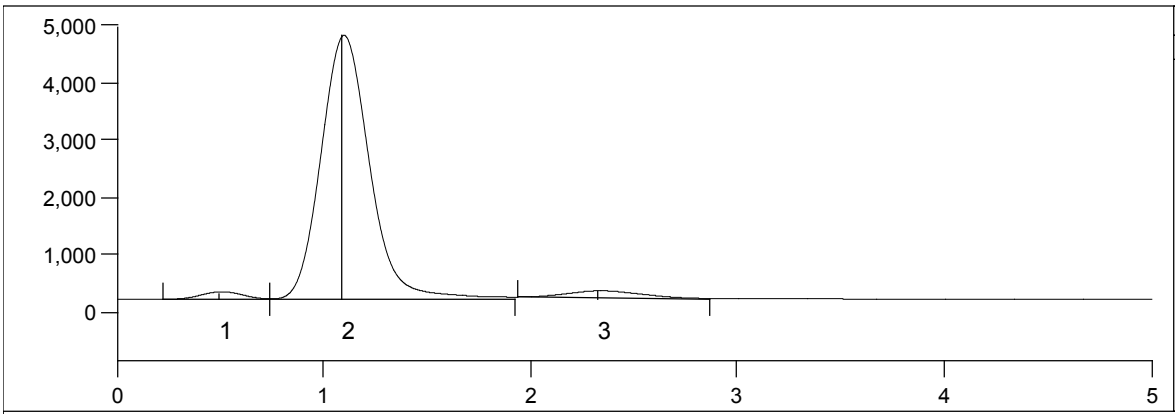
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/27/14
Time: 4:28 AM

Peak	rt	Height
1	0.50	308
2	1.08	4,318
3	2.31	97

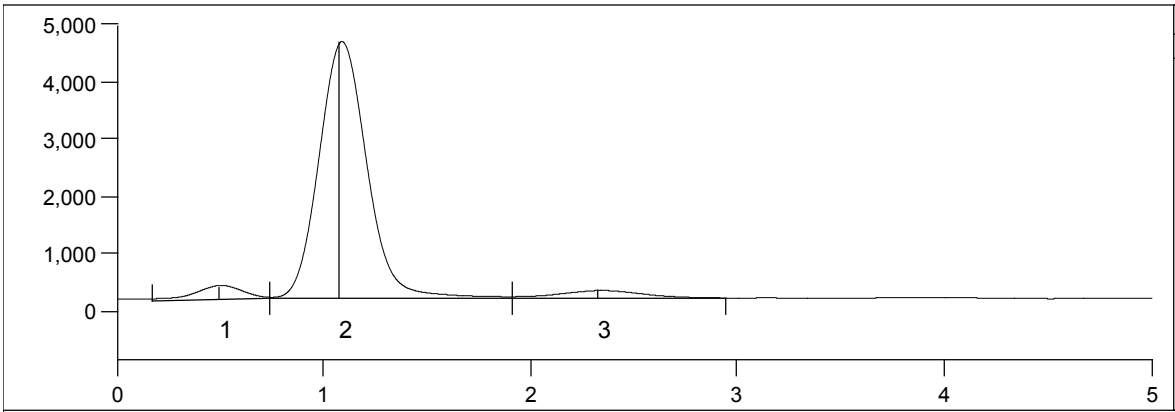
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
163	A	CCV	1ng\mLNEW		2	4,318	26.6		106	67-133	accept
Notes											



Date: 3/27/14
Time: 4:34 AM

Peak	rt	Height
1	0.50	130
2	1.09	4,609
3	2.32	117

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
164	B	CCV	1ng\mLNEW		2	4,609	28.4		114	67-133	accept
Notes											



Date: 3/27/14
Time: 4:41 AM

Peak	rt	Height
1	0.50	218
2	1.08	4,479
3	2.33	117

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
165	C	CCV	1ng\mLNEW		2	4,479	27.6		110.	67-133	accept
Notes											

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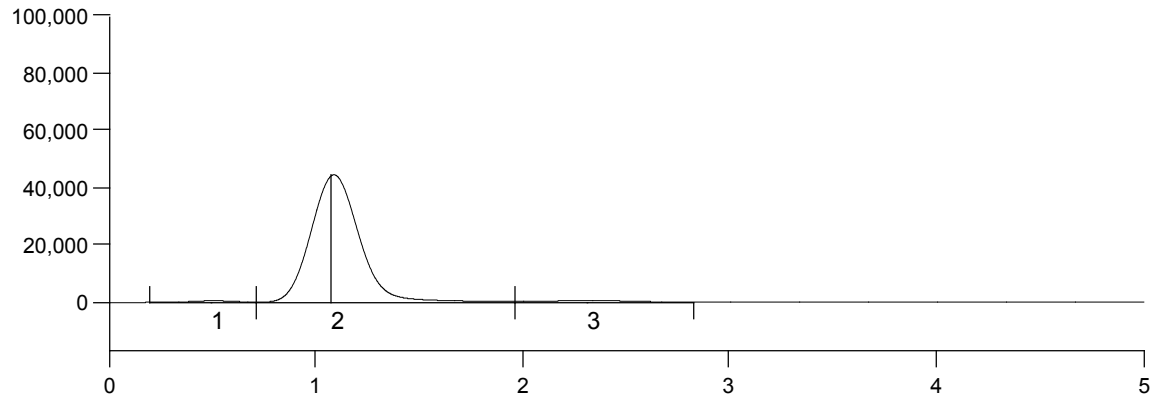
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

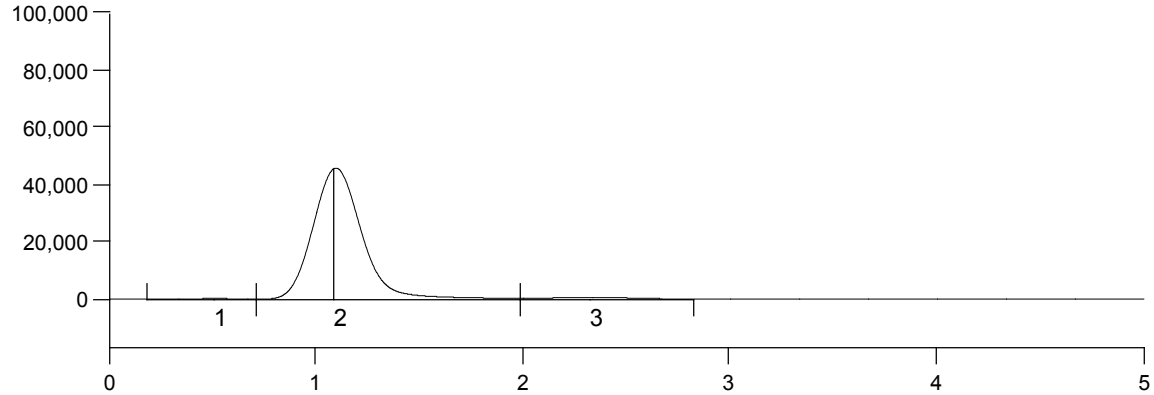
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/27/14
Time: 4:48 AM

Peak	rt	Height
1	0.50	477
2	1.08	44,546
3	2.32	414

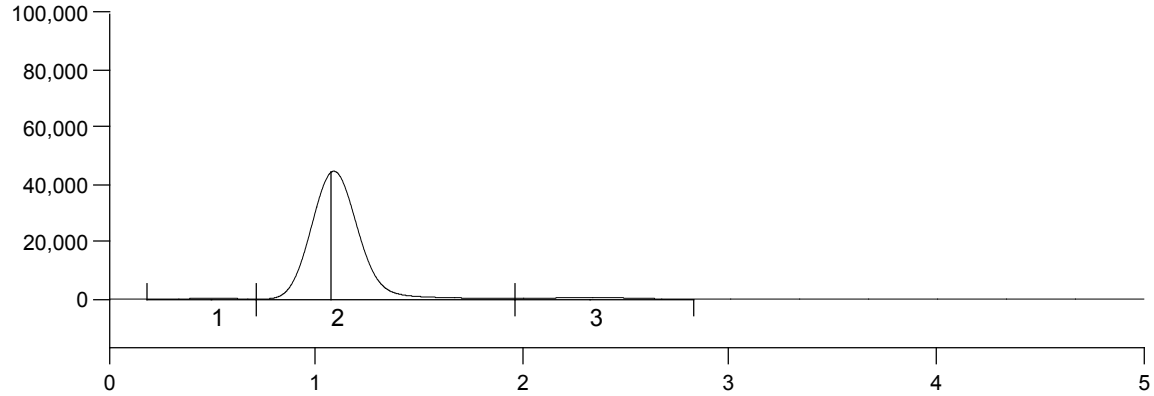
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
166	A	CCV	10ng/mLOLD		2	44,546	275		110.	67-133	accept
Notes											



Date: 3/27/14
Time: 4:54 AM

Peak	rt	Height
1	0.50	229
2	1.09	45,871
3	2.32	401

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
167	B	CCV	10ng/mLOLD		2	45,871	283		113	67-133	accept
Notes											



Date: 3/27/14
Time: 5:01 AM

Peak	rt	Height
1	0.50	391
2	1.08	44,777
3	2.32	431

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
168	C	CCV	10ng/mLOLD		2	44,777	276		111	67-133	accept
Notes											

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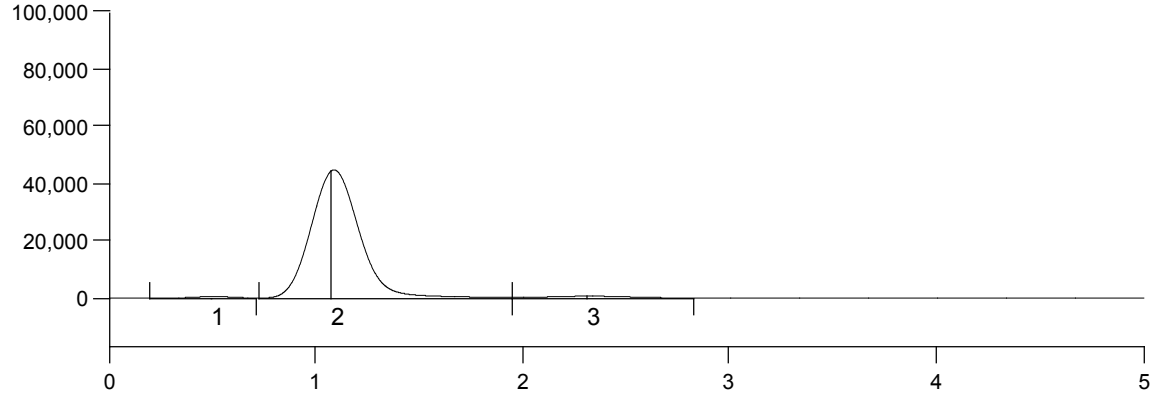
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

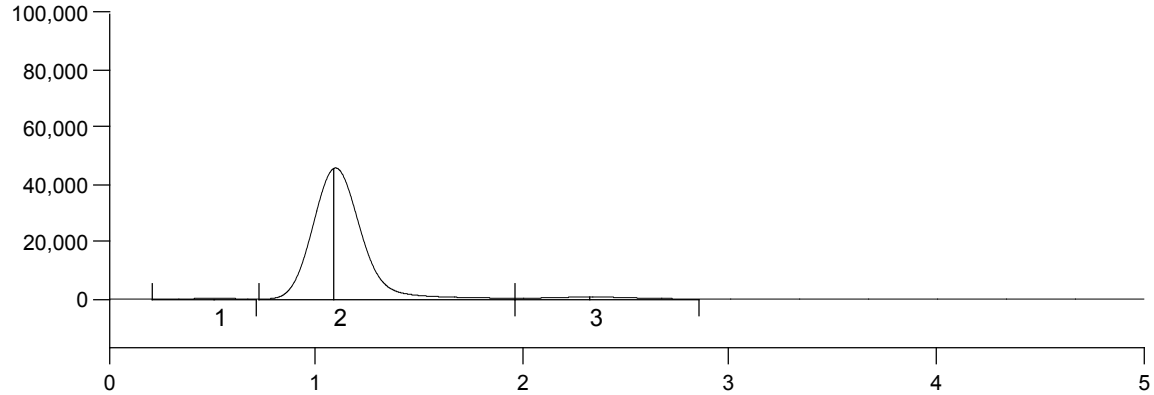
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/27/14
Time: 5:08 AM

Peak	rt	Height
1	0.50	497
2	1.08	44,853
3	2.32	502

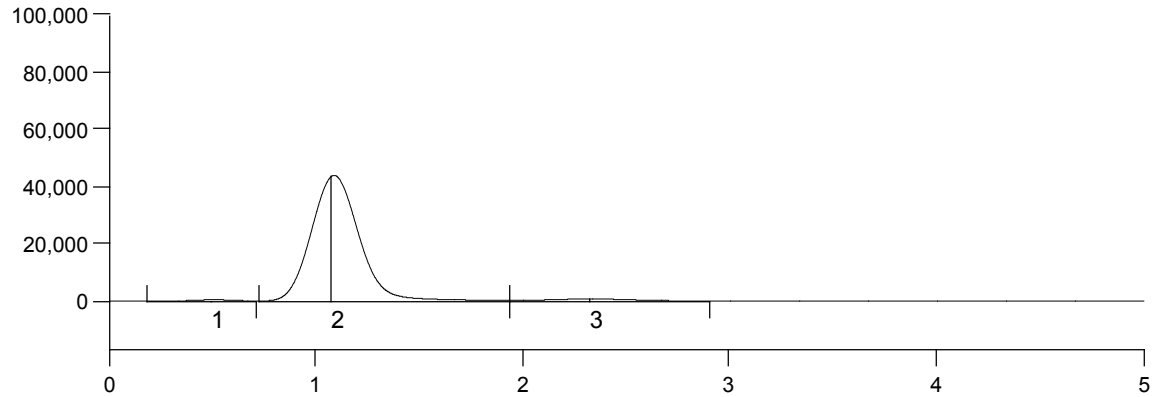
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
169	A	CCV	10ng/mLNEW		2	44,853	277		111	67-133	accept
Notes											



Date: 3/27/14
Time: 5:14 AM

Peak	rt	Height
1	0.50	260
2	1.09	45,855
3	2.32	509

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
170	B	CCV	10ng/mLNEW		2	45,855	283		113	67-133	accept
Notes											



Date: 3/27/14
Time: 5:21 AM

Peak	rt	Height
1	0.50	415
2	1.08	43,956
3	2.32	577

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
171	C	CCV	10ng/mLNEW		2	43,956	271		109	67-133	accept
Notes											

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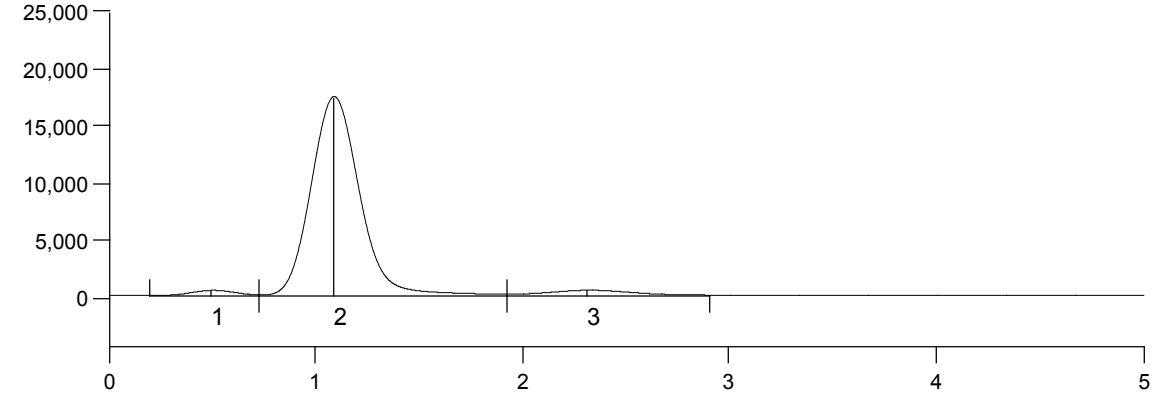
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

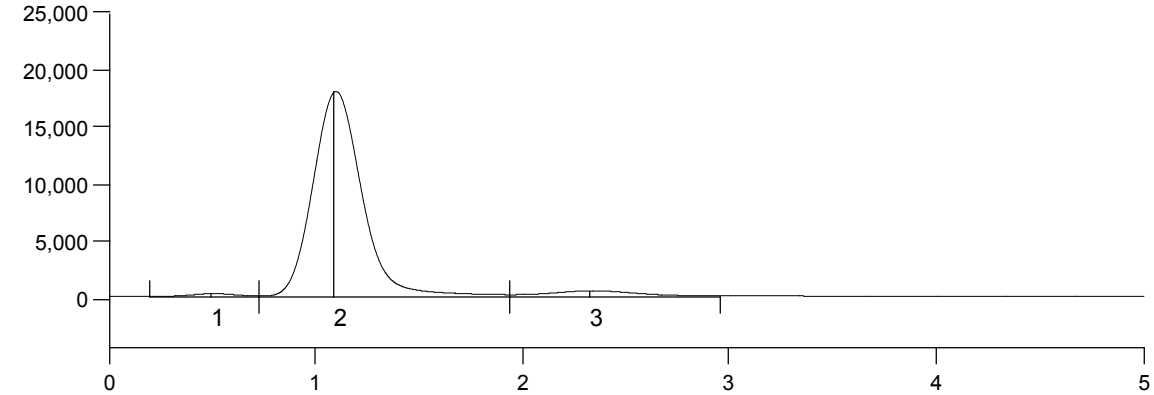
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/27/14
Time: 5:28 AM

Peak	rt	Height
1	0.50	426
2	1.08	17,361
3	2.32	375

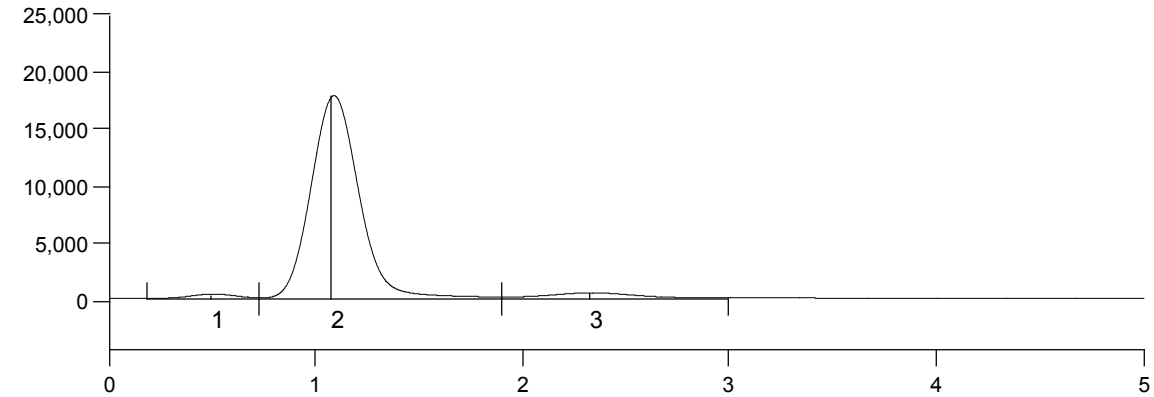
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
172	A	ICV	ICV OLD		2	17,361	107		107	80-120	accept
Notes											



Date: 3/27/14
Time: 5:34 AM

Peak	rt	Height
1	0.50	215
2	1.09	17,895
3	2.33	384

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
173	B	ICV	ICV OLD		2	17,895	110.		110.	80-120	accept
Notes											



Date: 3/27/14
Time: 5:41 AM

Peak	rt	Height
1	0.50	350
2	1.08	17,695
3	2.33	398

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
174	C	ICV	ICV OLD		2	17,695	109		109	80-120	accept
Notes											

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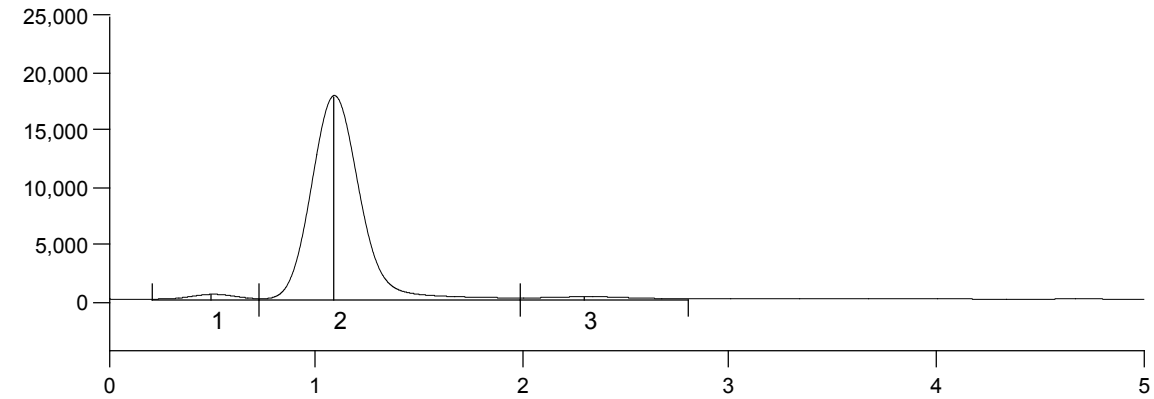
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

Project Number(s): 1400248
Instrument ID: MMHG-09

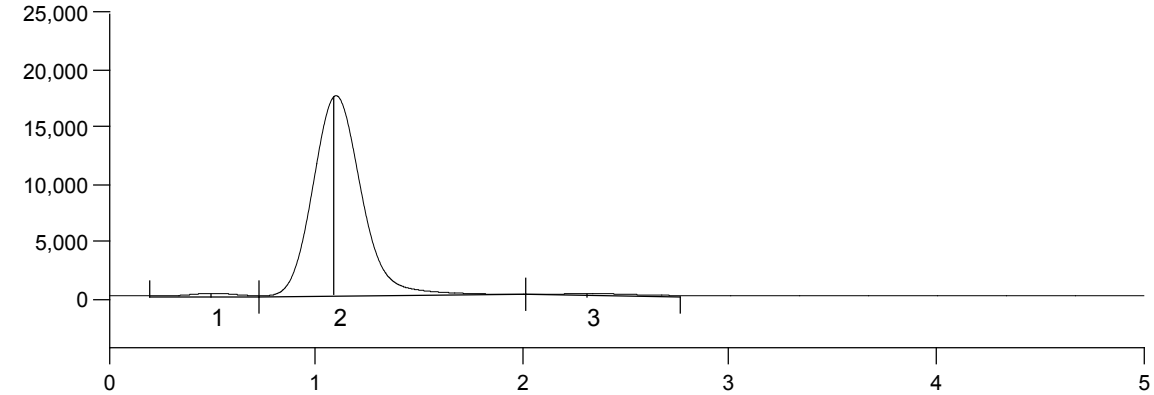
Date Analyzed: 3/26/14
Analyst Name: AAP



Date: 3/27/14
Time: 5:48 AM

Peak	rt	Height
1	0.50	402
2	1.08	17,781
3	2.30	124

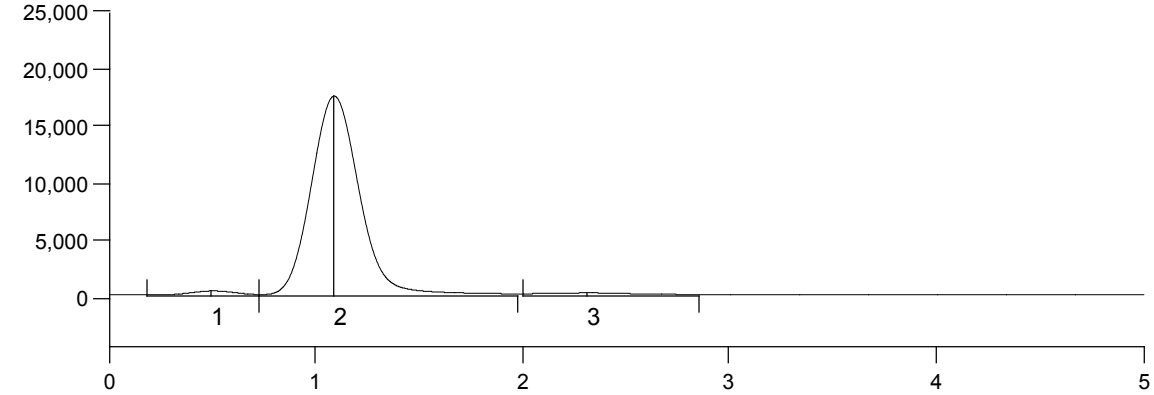
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
175	A	ICV	ICV NEW		2	17,781	110.		110.	80-120	accept
Notes											



Date: 3/27/14
Time: 5:54 AM

Peak	rt	Height
1	0.50	215
2	1.09	17,503
3	2.32	111

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
176	B	ICV	ICV NEW		2	17,503	108		108	80-120	accept
Notes											



Date: 3/27/14
Time: 6:01 AM

Peak	rt	Height
1	0.50	329
2	1.08	17,368
3	2.31	92

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
177	C	ICV	ICV NEW		2	17,368	107		107	80-120	accept
Notes											

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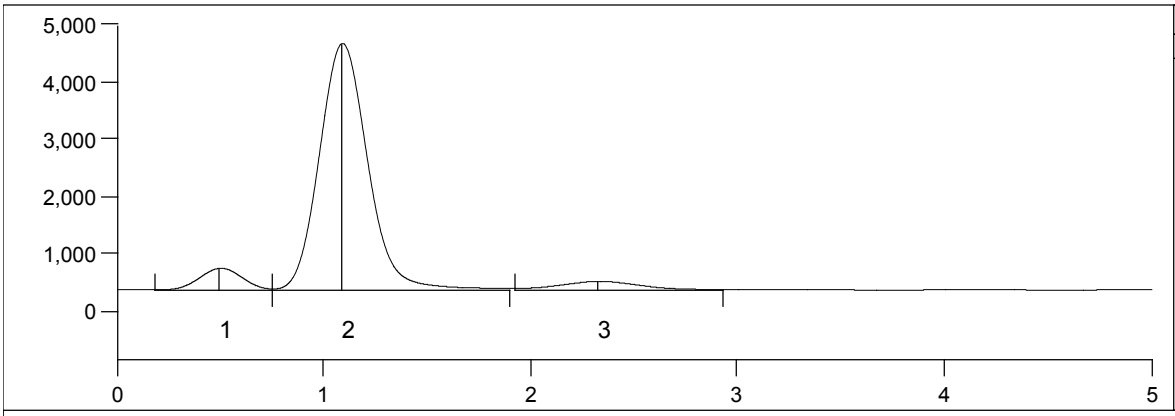
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

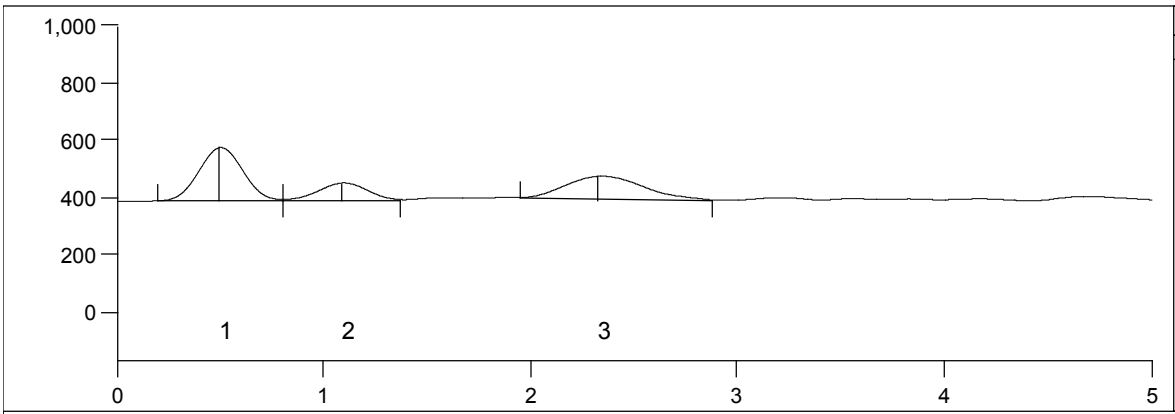
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/27/14
Time: 6:08 AM

Peak	rt	Height
1	0.50	371
2	1.08	4,302
3	2.32	130

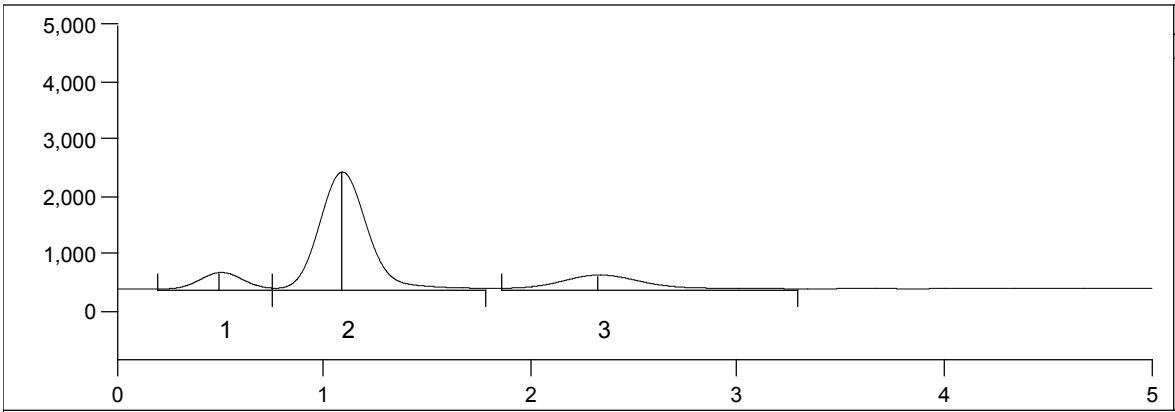
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
178	A	CCV	SEQ-CCV		2	4,302	26.5		106	67-133	accept
Notes											



Date: 3/27/14
Time: 6:14 AM

Peak	rt	Height
1	0.50	185
2	1.09	58
3	2.32	77

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
179	B	CCB	SEQ-CCB		2	58	0.358		0.358	< 1.15	accept
Notes											



Date: 3/27/14
Time: 6:21 AM

Peak	rt	Height
1	0.50	283
2	1.08	2,036
3	2.33	235

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
180	C	S	B140488-BS3		2	2,036	12.5	0.00		< HS	accept
Notes											

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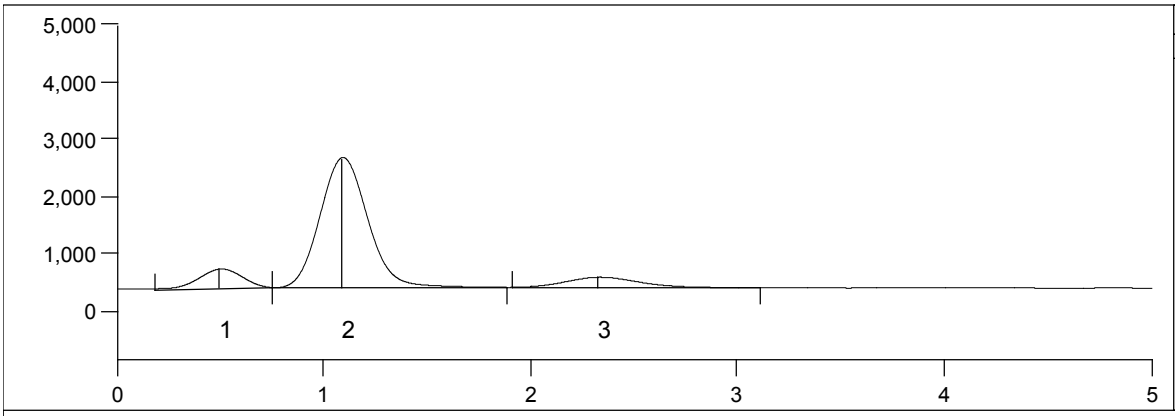
Peak Report

Batch Number: B140488, 505, 415, 436
Method Number: CVAFS BR-0011

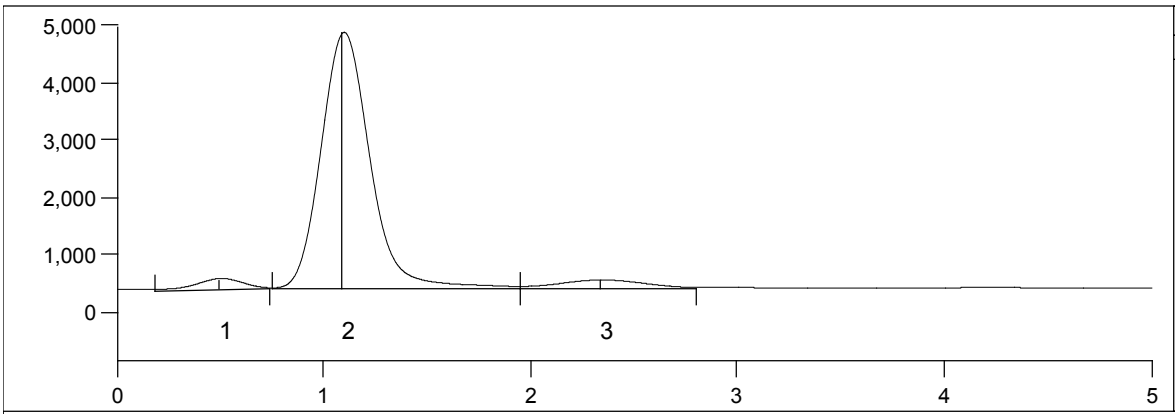
Project Number(s): 1400248 **Date Analyzed:** 3/26/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/27/14
Time: 6:28 AM

Peak	rt	Height
1	0.50	334
2	1.09	2,279
3	2.33	178

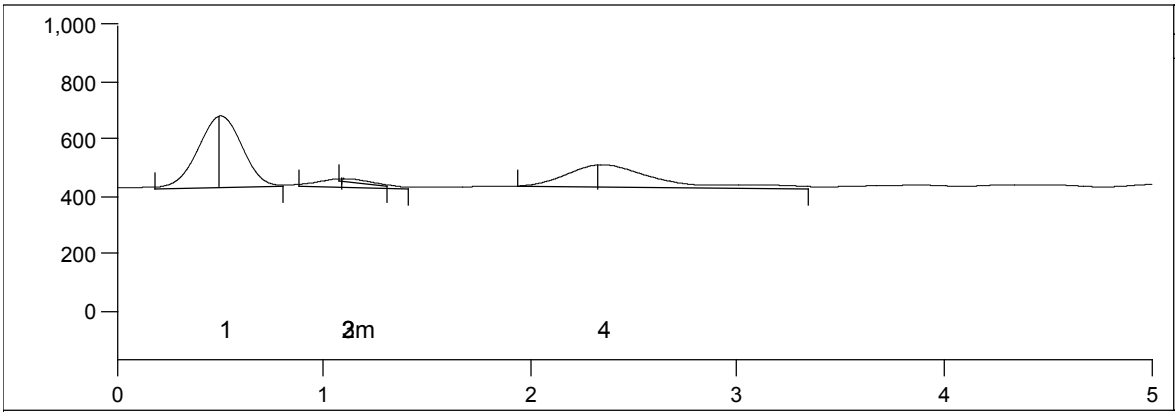
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
181	A	S	B140488-BS4		2	2,279	14.0	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 6:34 AM

Peak	rt	Height
1	0.50	175
2	1.09	4,472
3	2.33	124

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
182	B	CCV	SEQ-CCV		2	4,472	27.6		110.	67-133	accept
Notes											



Date: 3/27/14
Time: 6:41 AM

Peak	rt	Height
1	0.50	246
2m	1.09	24
3	1.09	1
4	2.32	75

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
183	C	CCB	SEQ-CCB		2m	24	0.148		0.148	< 1.15	accept
Notes											

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ANALYSIS SEQUENCE

1400254

Brooks Rand Labs

Instrument: HGAAS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400254-IBL1	1400254	QC	1		-			
1400254-IBL2	1400254	QC	2		-			
1400254-IBL3	1400254	QC	3		-			
1400254-CAL1	1400254	QC	4	1410027	-			
1400254-CAL2	1400254	QC	5	1410028	-			
1400254-CAL3	1400254	QC	6	1410029	-			
1400254-CAL4	1400254	QC	7	1410030	-			
1400254-CAL5	1400254	QC	8	1410031	-			
1400254-ICV1	1400254	QC	9	1410008	-			
1400254-CCV1	1400254	QC	10	1410007	-			
1400254-CCB1	1400254	QC	11		-			
B140447-MS5	B140447	QC	12		1411051-05			
1400254-CCV2	1400254	QC	13	1410007	-			
1400254-CCB2	1400254	QC	14		-			
B140443-BLK1	B140443	QC	15		-			
B140443-BLK2	B140443	QC	16		-			
B140443-BLK3	B140443	QC	17		-			
B140443-BLK4	B140443	QC	18		-			
B140443-BS1	B140443	QC	19		-			
B140443-SRM1	B140443	QC	20		-			
B140443-SRM2	B140443	QC	21		-			
1411043-01	B140443	As(Inorg)-B-HClExt-HGAAS	22			ARD-MV1302	4/7/2014	
1411043-01	B140443	s(Inorg)-B-HClExt-HGAAS-Foo	23			ARD-MV1302	1/1/1980	BatchQC
B140443-DUP1	B140443	QC	24		1411043-01			
B140443-MS1	B140443	QC	25		1411043-01			
B140443-MSD1	B140443	QC	26		1411043-01			

ANALYSIS SEQUENCE

1400254

Brooks Rand Labs

Instrument: HGAAS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-02	B140443	As(Inorg)-B-HClExt-HGAAS	27			ARD-MV1302	4/7/2014	
1411043-03	B140443	As(Inorg)-B-HClExt-HGAAS	28			ARD-MV1302	4/7/2014	
1411043-04	B140443	As(Inorg)-B-HClExt-HGAAS	29			ARD-MV1302	4/7/2014	
1411043-05	B140443	As(Inorg)-B-HClExt-HGAAS	30			ARD-MV1302	4/7/2014	
1411043-06	B140443	As(Inorg)-B-HClExt-HGAAS	31			ARD-MV1302	4/7/2014	
1411043-07	B140443	As(Inorg)-B-HClExt-HGAAS	32			ARD-MV1302	4/7/2014	
1411043-08	B140443	As(Inorg)-B-HClExt-HGAAS	33			ARD-MV1302	4/7/2014	
1411043-09	B140443	As(Inorg)-B-HClExt-HGAAS	34			ARD-MV1302	4/7/2014	
1411043-09	B140443	s(Inorg)-B-HClExt-HGAAS-Foo	35			ARD-MV1302	1/1/1980	BatchQC
B140443-DUP2	B140443	QC	36		1411043-09			
B140443-MS2	B140443	QC	37		1411043-09			
B140443-MSD2	B140443	QC	38		1411043-09			
B140443-PS1	B140443	QC	39		1411043-09			
1411043-09RE1	B140443	As(Inorg)-B-HClExt-HGAAS	40			ARD-MV1302	4/7/2014	Added 3/27/2014 by IRJ
1411043-09RE1	B140443	s(Inorg)-B-HClExt-HGAAS-Foo	41			ARD-MV1302	1/1/1980	Added 3/27/2014 by IRJ
1400254-CCV3	1400254	QC	42	1410007	-			
1400254-CCB3	1400254	QC	43		-			
1411043-10	B140443	As(Inorg)-B-HClExt-HGAAS	44			ARD-MV1302	4/7/2014	
1411043-11	B140443	As(Inorg)-B-HClExt-HGAAS	45			ARD-MV1302	4/7/2014	
1411043-12	B140443	As(Inorg)-B-HClExt-HGAAS	46			ARD-MV1302	4/7/2014	
1411043-13	B140443	As(Inorg)-B-HClExt-HGAAS	47			ARD-MV1302	4/7/2014	
1411043-14	B140443	As(Inorg)-B-HClExt-HGAAS	48			ARD-MV1302	4/7/2014	
1411043-15	B140443	As(Inorg)-B-HClExt-HGAAS	49			ARD-MV1302	4/7/2014	
1411043-16	B140443	As(Inorg)-B-HClExt-HGAAS	50			ARD-MV1302	4/7/2014	
1411043-17	B140443	As(Inorg)-B-HClExt-HGAAS	51			ARD-MV1302	4/7/2014	
1411043-18	B140443	As(Inorg)-B-HClExt-HGAAS	52			ARD-MV1302	4/7/2014	

ANALYSIS SEQUENCE

1400254

Brooks Rand Labs

Instrument: HGAAS-2

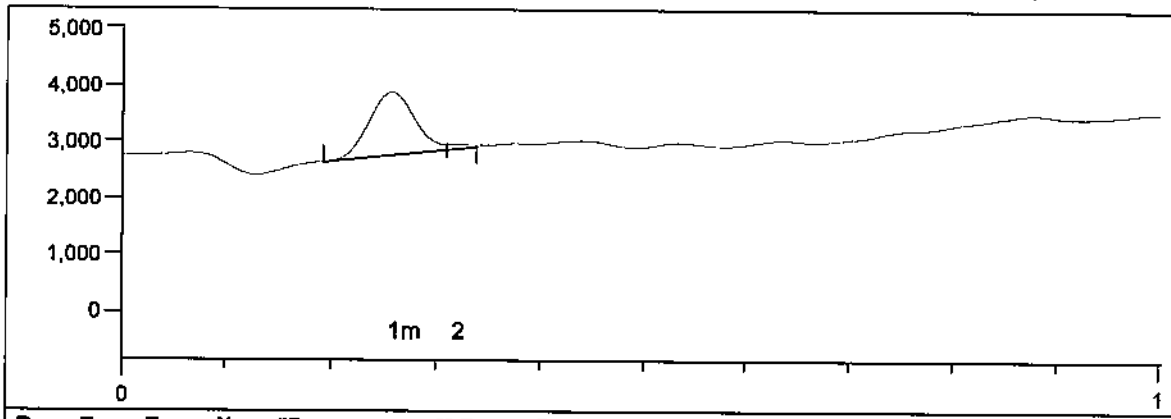
Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-19	B140443	As(Inorg)-B-HClExt-HGAAS	53			ARD-MV1302	4/7/2014	
1400254-CCV4	1400254	QC	54	1410007	-			
1400254-CCB4	1400254	QC	55		-			
1411038-01	B140443	As(Inorg)-B-HClExt-HGAAS	56			EHM-CI1001	4/7/2014	
1411038-01RE1	B140443	As(Inorg)-B-HClExt-HGAAS	57			EHM-CI1001	4/7/2014	Added 3/27/2014 by IRJ
1411038-01RE1	B140443	s(Inorg)-B-HClExt-HGAAS-Foo	58			EHM-CI1001	1/1/1980	BatchQC
B140443-DUP3	B140443	QC	59		1411038-01RE1			
B140443-MS3	B140443	QC	60		1411038-01RE1			
B140443-MSD3	B140443	QC	61		1411038-01RE1			
1411038-02	B140443	As(Inorg)-B-HClExt-HGAAS	62			EHM-CI1001	4/7/2014	
1412014-01	B140443	s(Inorg)-B-HClExt-HGAAS-Foo	63			BFF-BR1201	3/27/2014	
1412026-01	B140443	As(Inorg)-B-HClExt-HGAAS	64			ENZ-MH1201	4/10/2014	
1412026-02	B140443	As(Inorg)-B-HClExt-HGAAS	65			ENZ-MH1201	4/10/2014	
1412036-01	B140443	As(Inorg)-B-HClExt-HGAAS	66			CFI-WD1201	3/26/2014	
1412042-01	B140443	s(Inorg)-B-HClExt-HGAAS-Foo	67			BFF-BR1201	4/2/2014	
1412045-01	B140443	s(Inorg)-B-HClExt-HGAAS-Foo	68			BFF-BR1201	4/2/2014	
1400254-CCV5	1400254	QC	69	1410007	-			
1400254-CCB5	1400254	QC	70		-			

Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

Date Analyzed: 3/27/14
Analyst Name: IRJ

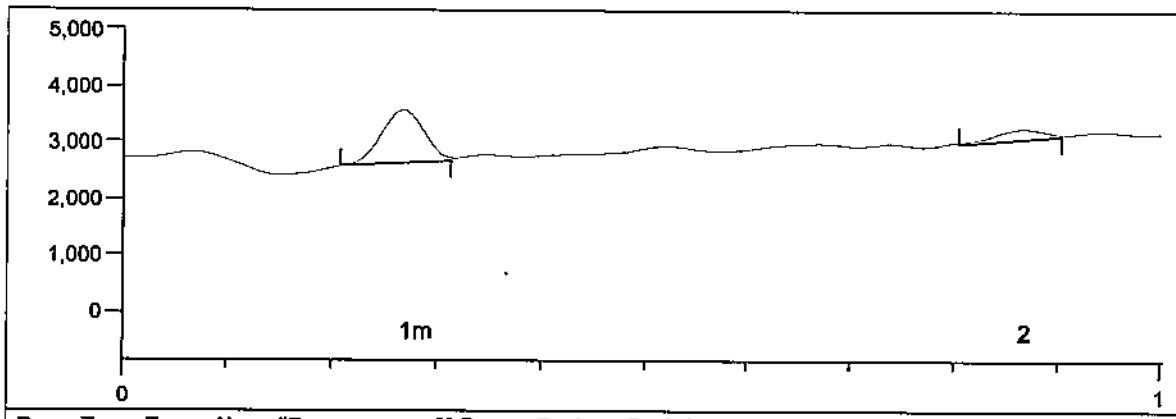


Date: 3/27/14
Time: 10:53 AM

Peak	rt	Area
1m	0.25	33,116
2	0.32	657

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1		CB	SEQ-IBL1		1m	33,116	0.162		0.162	< 0.4	accept
Notes											

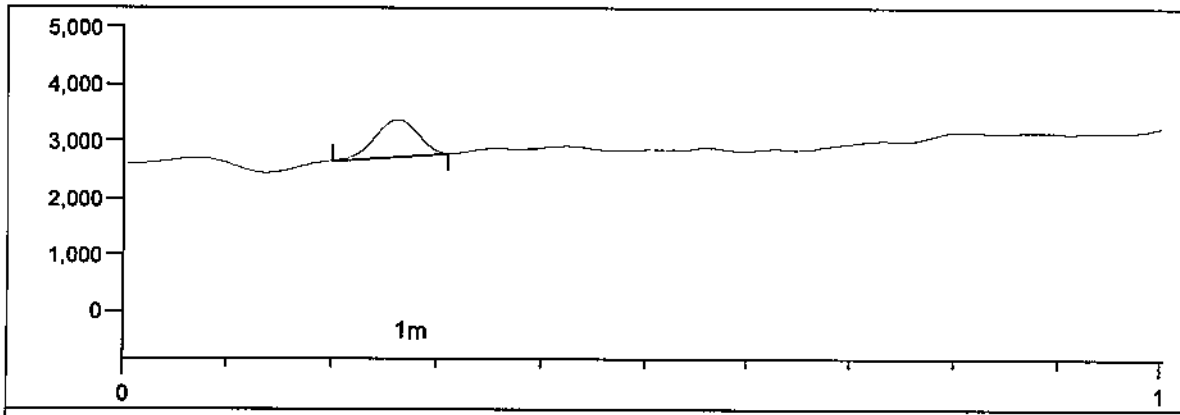


Date: 3/27/14
Time: 10:57 AM

Peak	rt	Area
1m	0.26	25,261
2	0.86	4,482

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2		CB	SEQ-IBL2		1m	25,261	0.123		0.123	< 0.4	accept
Notes											



Date: 3/27/14
Time: 11:01 AM

Peak	rt	Area
1m	0.26	18,259

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3		CB	SEQ-IBL3		1m	18,259	0.0891		0.0891	< 0.4	accept
Notes											

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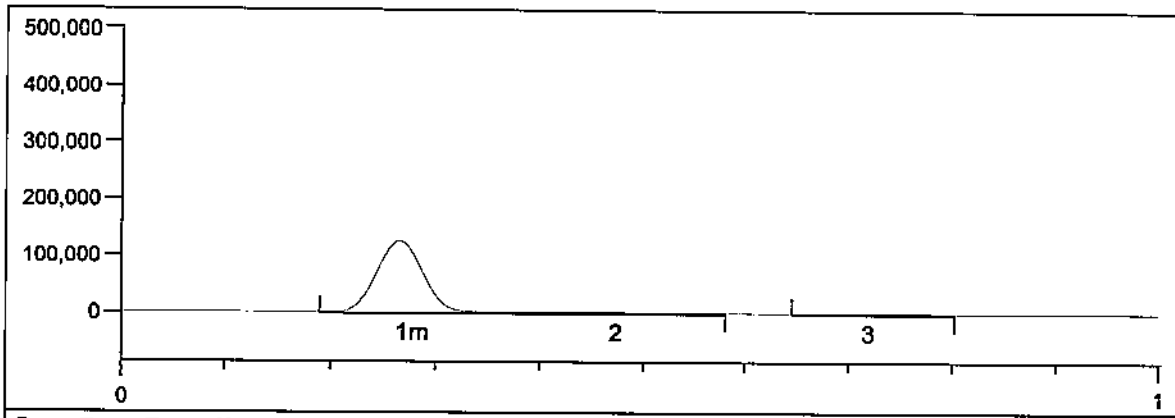
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

Date Analyzed: 3/27/14
Analyst Name: IRJ

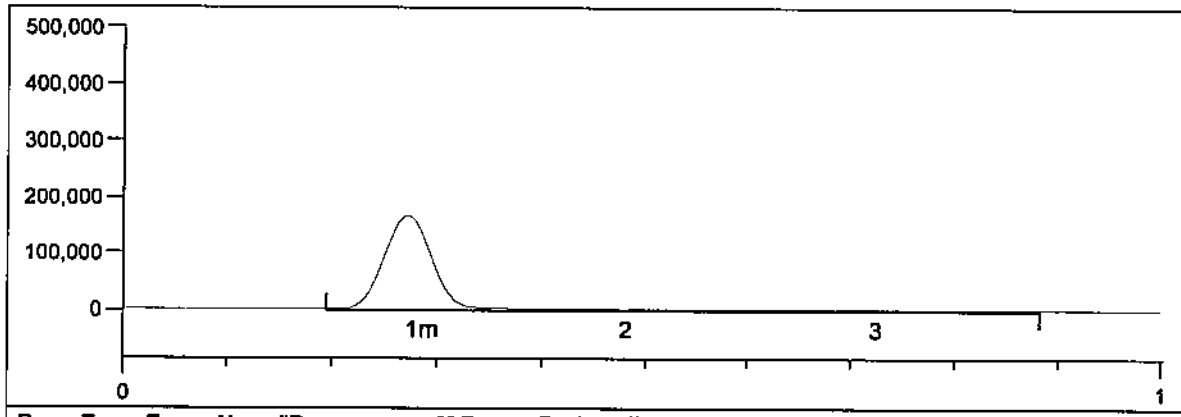


Date: 3/27/14
Time: 11:17 AM

Peak	rt	Area
1m	0.26	3,827,818
2	0.47	61,279
3	0.71	24,634

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7		STD	SEQ-CAL4		1m	3,827,818	18.6		92.8	80-120	accept
Notes											

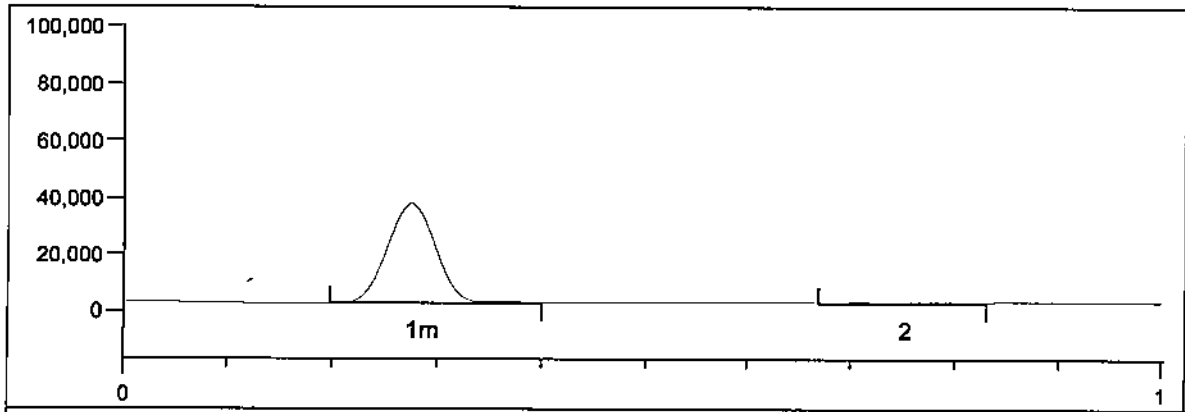


Date: 3/27/14
Time: 11:22 AM

Peak	rt	Area
1m	0.27	5,263,187
2	0.48	146,245
3	0.72	82,356

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8		STD	SEQ-CAL5		1m	5,263,187	25.6		85.2	80-120	accept
Notes											



Date: 3/27/14
Time: 11:26 AM

Peak	rt	Area
1m	0.27	1,129,549
2	0.75	27,942

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9		OPR	SEQ-ICV		1m	1,129,549	5.39		108	80-120	accept
Notes											

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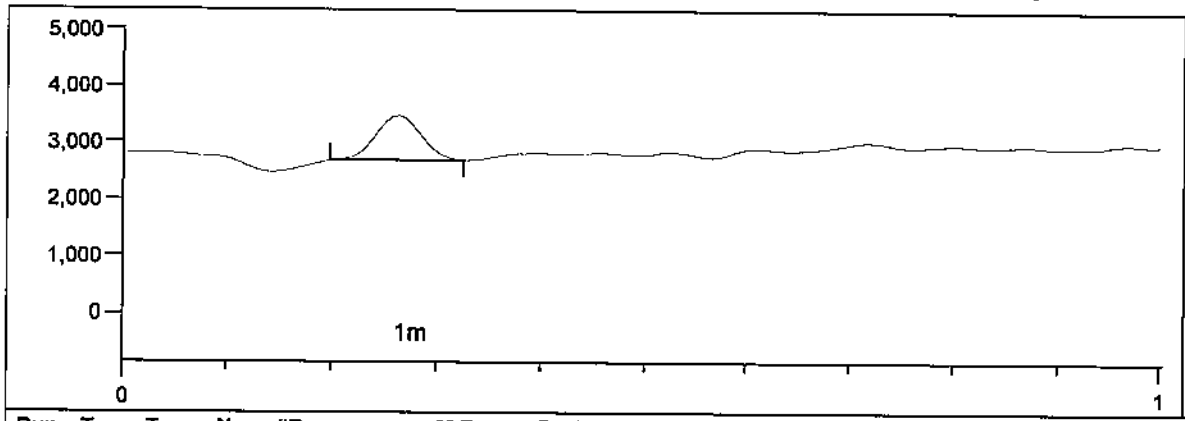
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

Date Analyzed: 3/27/14
Analyst Name: IRJ

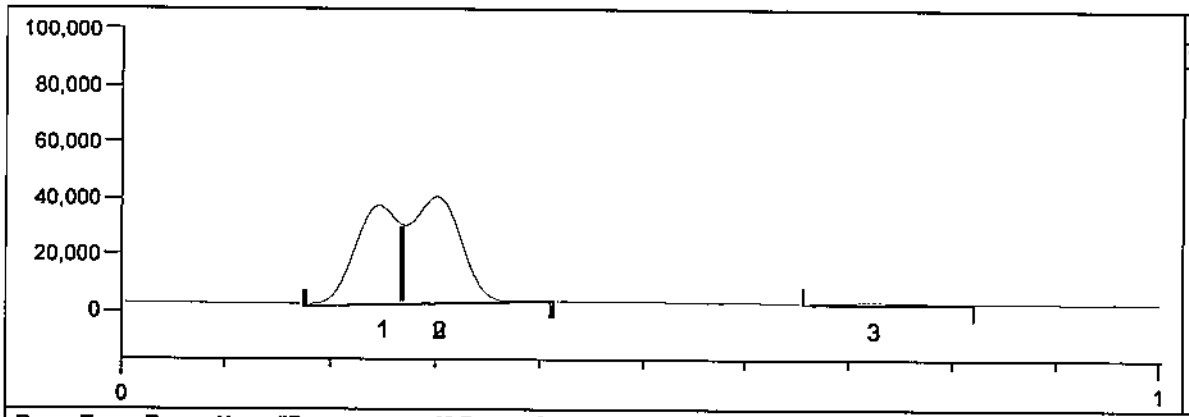


Date: 3/27/14
Time: 11:34 AM

Peak	rt	Area
1m	0.26	23,837

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11		CCB	SEQ-CCB		1m	23,837	0.116		0.116	< 0.4	accept
Notes											

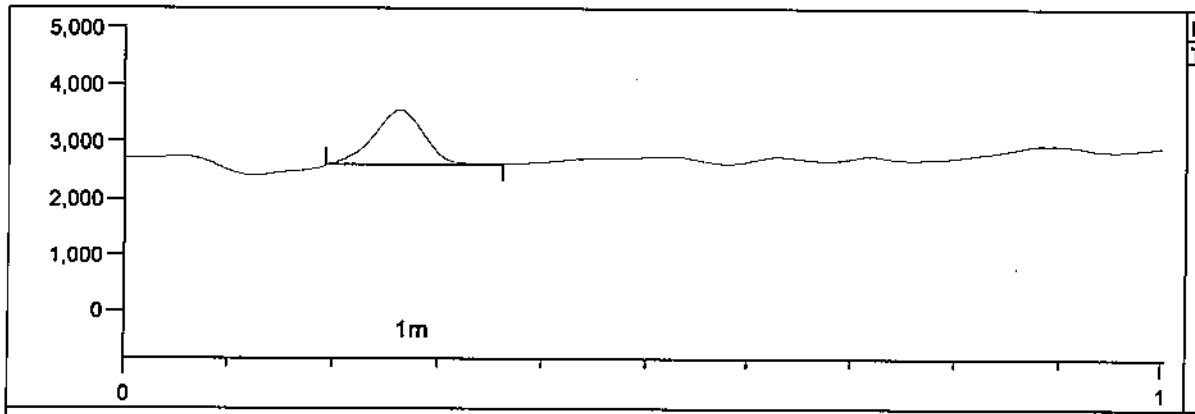


Date: 3/27/14
Time: 12:22 PM

Peak	rt	Area
1	0.24	1,013,249
2	0.30	1,209,996
3	0.72	29,260
u	0.30	2,222,605

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16		S	B140447-MS5		u	2,222,605	10.7	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 12:31 PM

Peak	rt	Area
1m	0.26	31,353

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18		CCB	SEQ-CCB		1m	31,353	0.153		0.153	< 0.4	accept
Notes											

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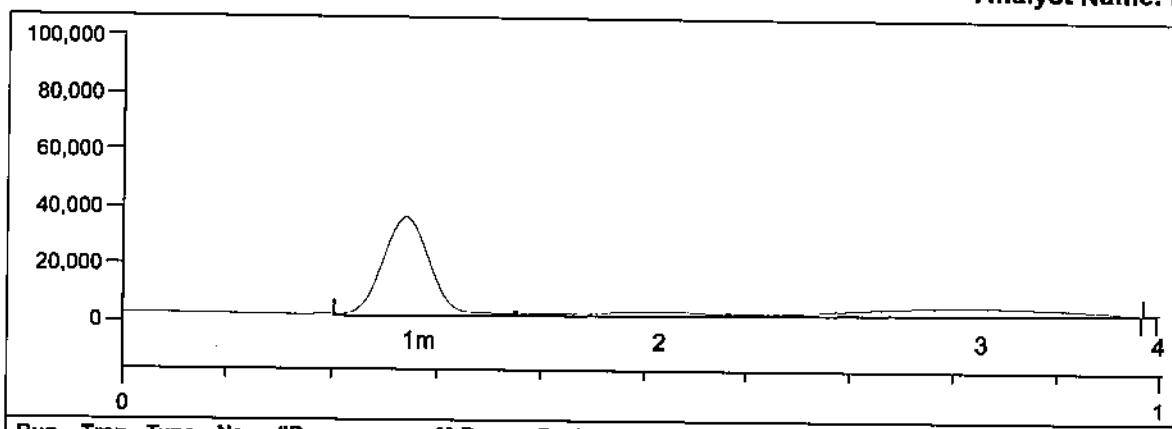
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

Date Analyzed: 3/27/14
Analyst Name: IRJ

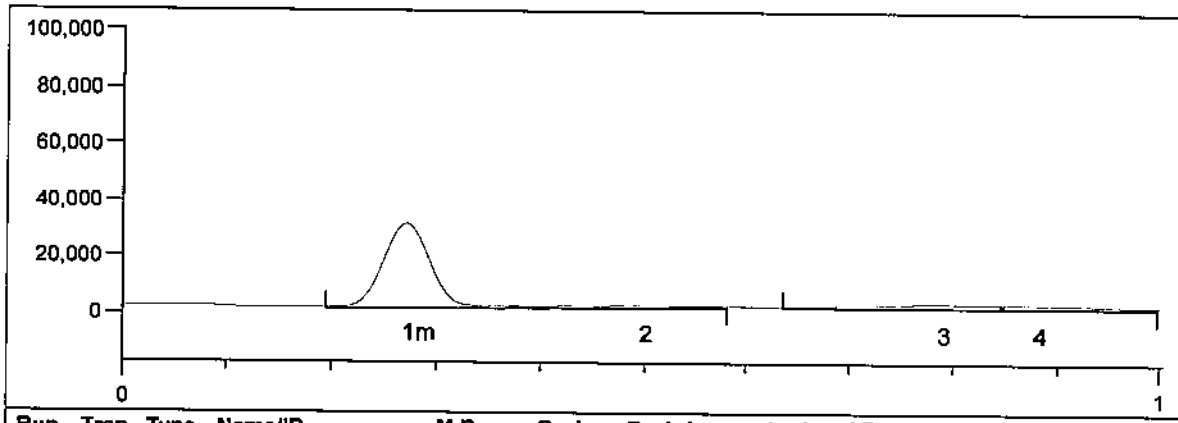


Date: 3/27/14
Time: 1:03 PM

Peak	rt	Area
1m	0.27	1,042,762
2	0.51	65,958
3	0.82	303,134
4	0.99	-68

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
26		S	1411043-01		1m	1,042,762	4.96	0.00		< HS	accept
Notes											

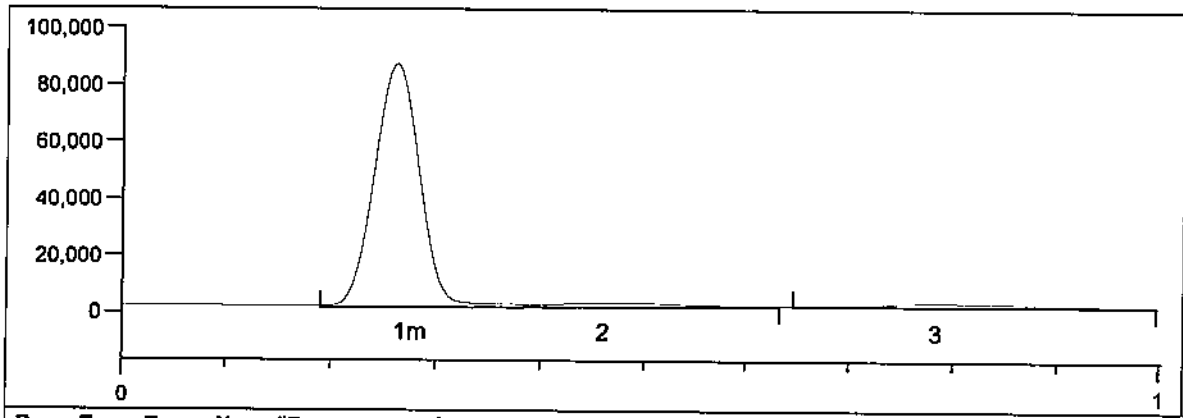


Date: 3/27/14
Time: 1:07 PM

Peak	rt	Area
1m	0.27	889,365
2	0.50	36,635
3	0.78	87,460
4	0.88	43,370

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
27		S	B140443-DUP1		1m	889,365	4.22	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 1:15 PM

Peak	rt	Area
1m	0.26	2,539,659
2	0.46	74,723
3	0.78	127,071

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29		S	B140443-MSD1		1m	2,539,659	12.3	0.00		< HS	accept
Notes											

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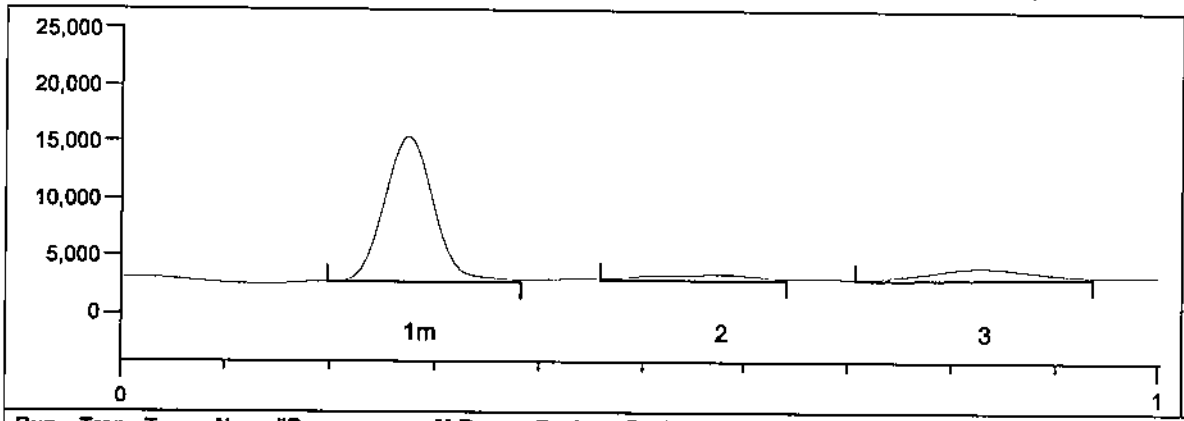
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

Date Analyzed: 3/27/14
Analyst Name: IRJ

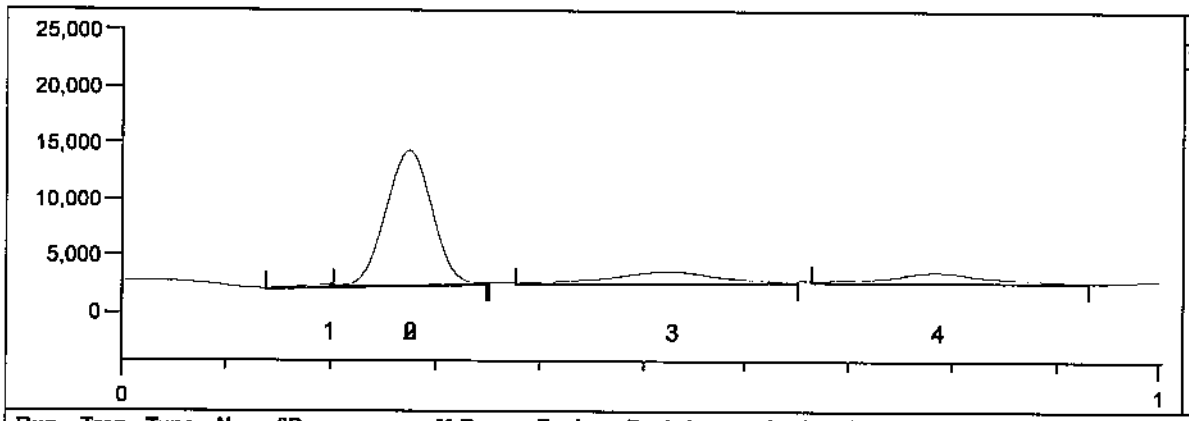


Date: 3/27/14
Time: 1:25 PM

Peak	rt	Area
1m	0.27	408,614
2	0.57	23,896
3	0.82	60,244

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
30		S	1411043-02		1m	408,614	1.87	0.00		< HS	accept
Notes											

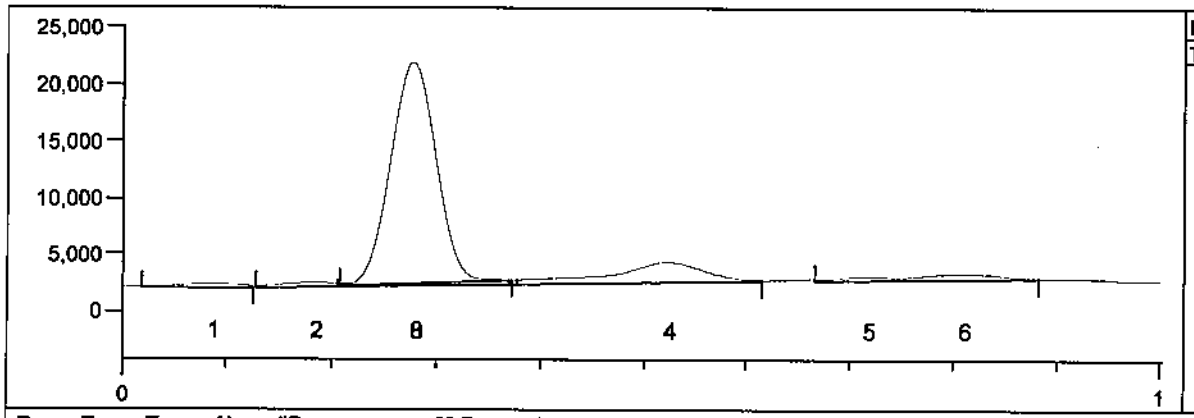


Date: 3/27/14
Time: 1:29 PM

Peak	rt	Area
1	0.19	4,236
2	0.27	364,065
3	0.52	57,036
4	0.78	49,966
u	0.27	357,668

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31		S	1411043-03		u	357,668	1.62	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 2:05 PM

Peak	rt	Area
1	0.08	6,602
2	0.16	6,900
3	0.27	603,730
4	0.52	103,532
5	0.71	6,355
6	0.60	23,296
u	0.27	585,251

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
34		S	1411043-06		u	585,251	2.73	0.00		< HS	accept
Notes											

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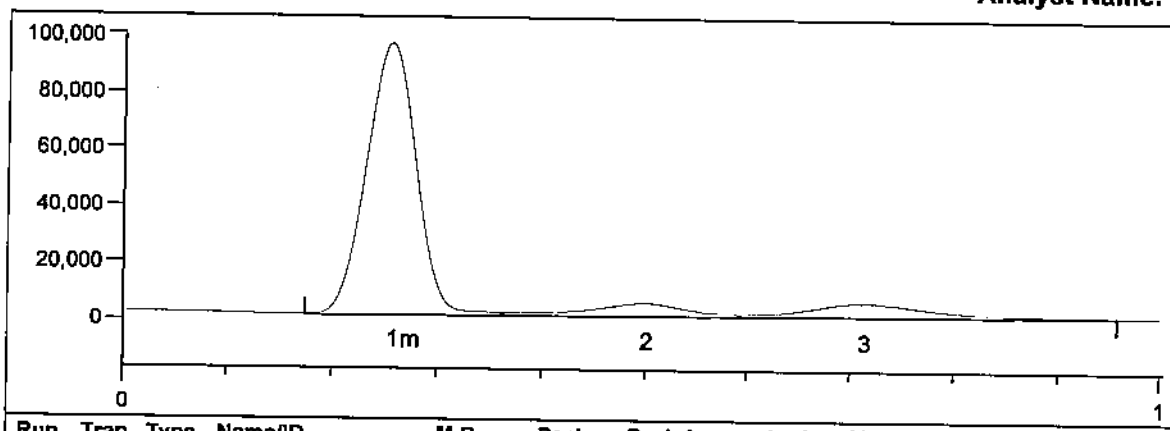
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

Date Analyzed: 3/27/14
Analyst Name: IRJ

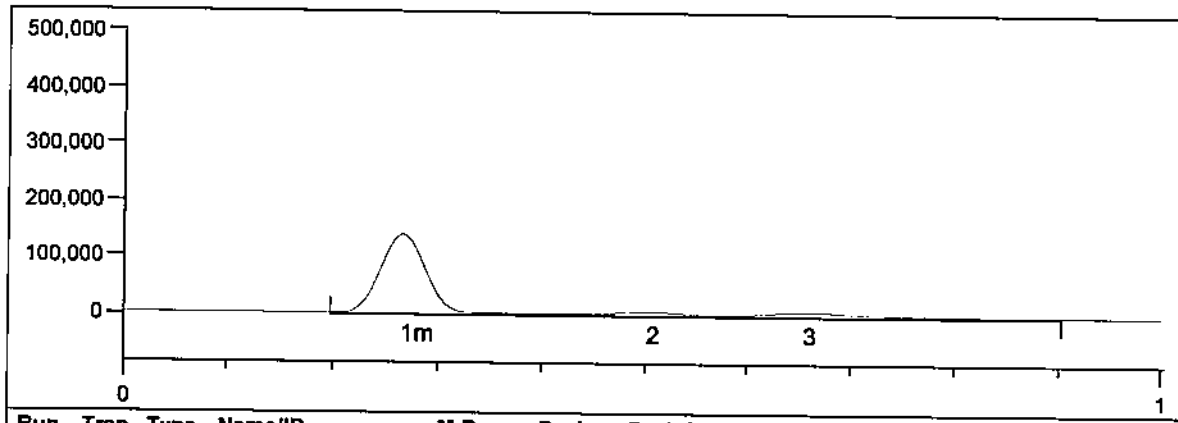


Date: 3/27/14
Time: 2:18 PM

Peak	rt	Area
1m	0.25	3,146,065
2	0.50	293,688
3	0.71	400,511

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
37		S	1411043-09		1m	3,146,065	15.2	0.00		< HS	accept
Notes											

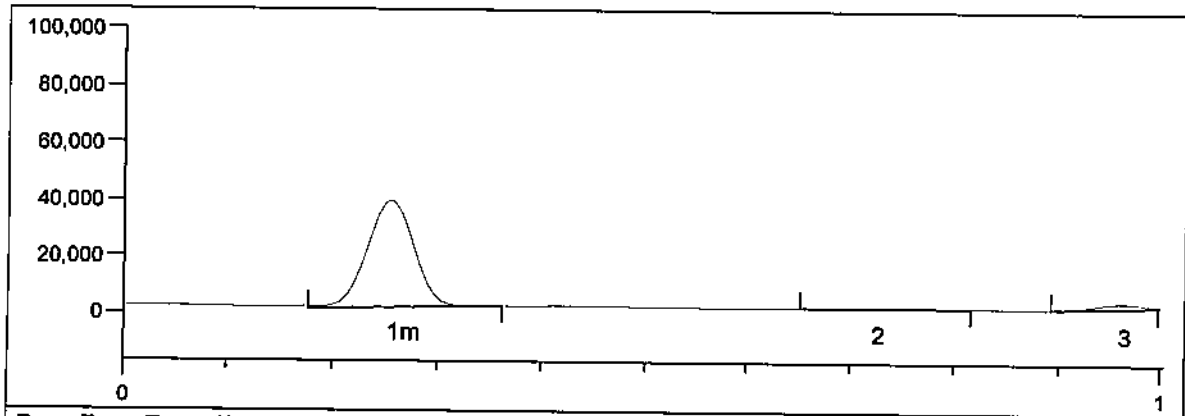


Date: 3/27/14
Time: 2:27 PM

Peak	rt	Area
1m	0.26	4,163,914
2	0.50	300,310
3	0.65	445,060

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
39		S	B140443-MS2		1m	4,163,914	20.2	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 2:43 PM

Peak	rt	Area
1m	0.25	1,143,001
2	0.72	22,352
3	0.96	52,420

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
43		OPR	SEQ-CCV		1m	1,143,001	5.45		109	80-120	accept
Notes											

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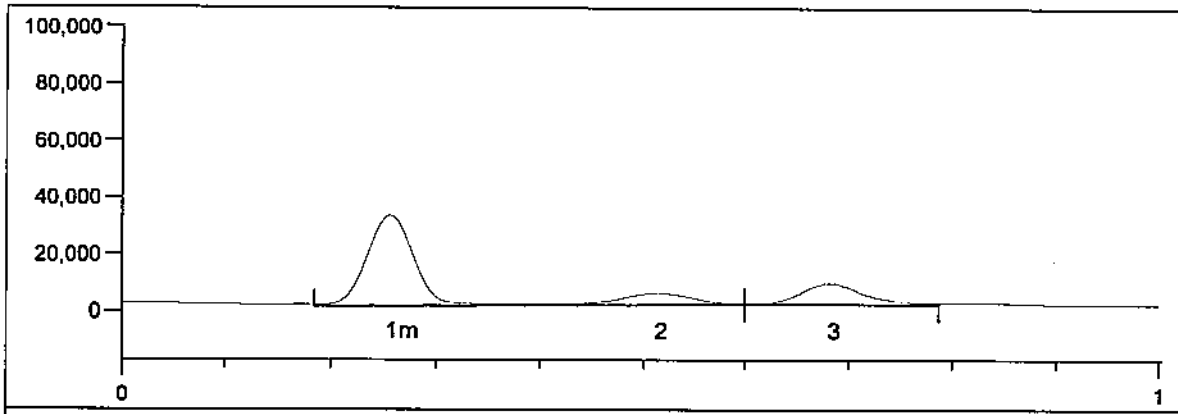
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

Date Analyzed: 3/27/14
Analyst Name: IRJ

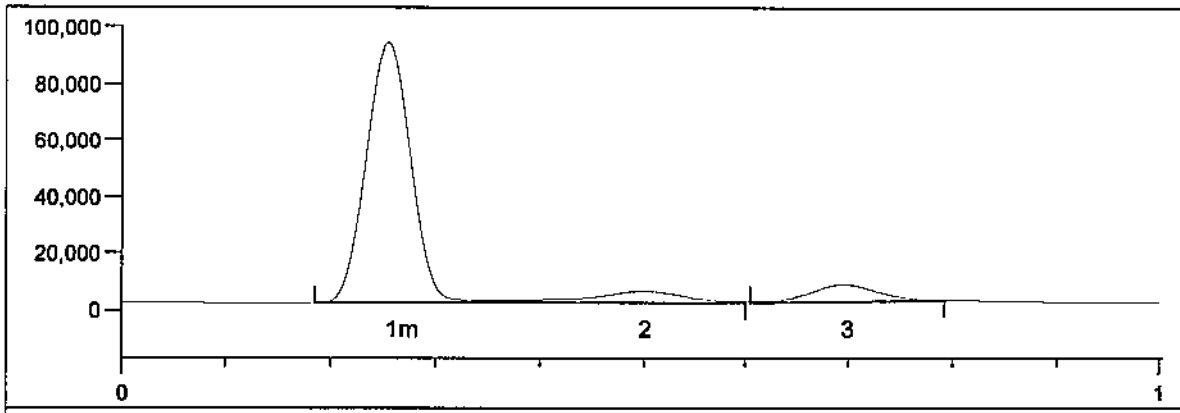


Date: 3/27/14
Time: 2:55 PM

Peak	rt	Area
1m	0.25	937,411
2	0.51	165,664
3	0.66	293,984

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
46		S	1411043-11		1m	937,411	4.45	0.00		< HS	accept
Notes											

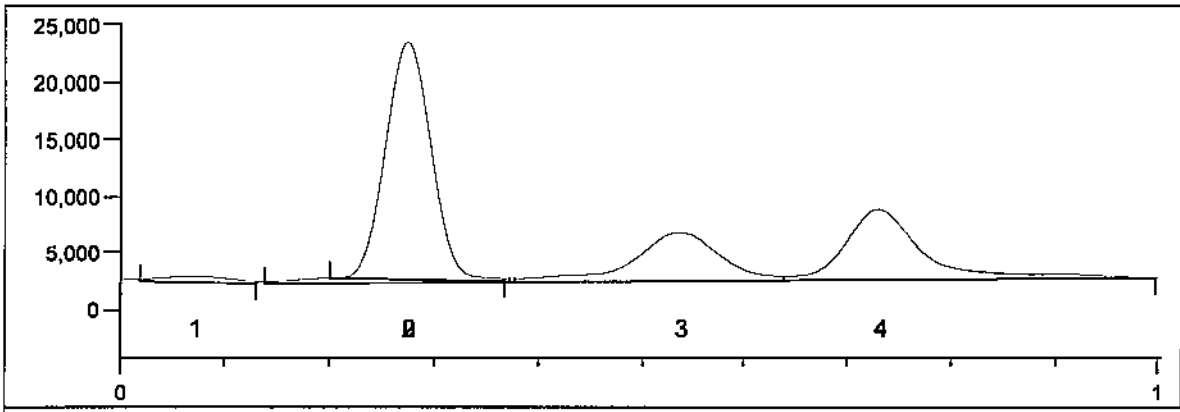


Date: 3/27/14
Time: 3:03 PM

Peak	rt	Area
1m	0.25	2,726,455
2	0.50	227,500
3	0.69	258,654

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
48		S	1411043-13		1m	2,726,455	13.2	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 3:07 PM

Peak	rt	Area
1	0.07	11,732
2	0.27	655,145
3	0.53	234,266
4	0.72	310,452
u	0.27	626,962

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
49		S	1411043-14		u	626,962	2.93	0.00		< HS	accept
Notes											

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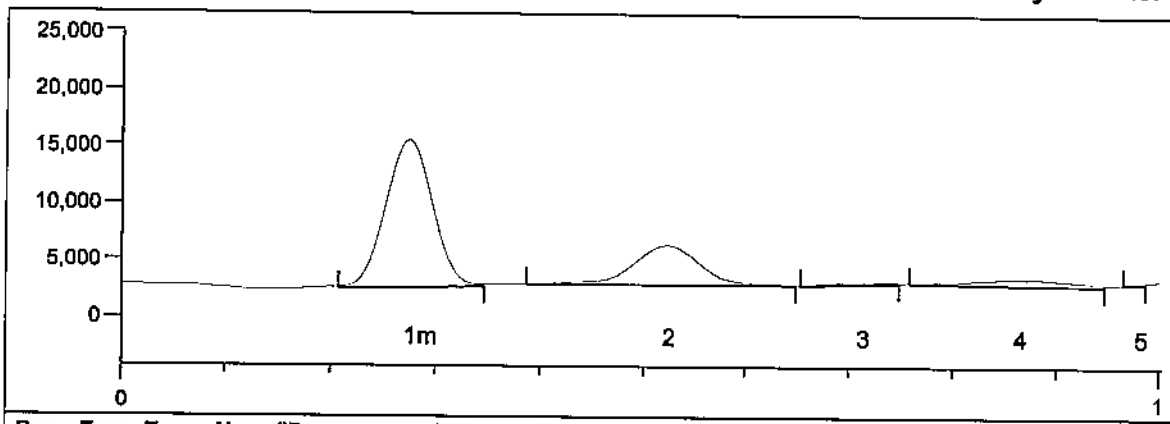
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

Date Analyzed: 3/27/14
Analyst Name: IRJ

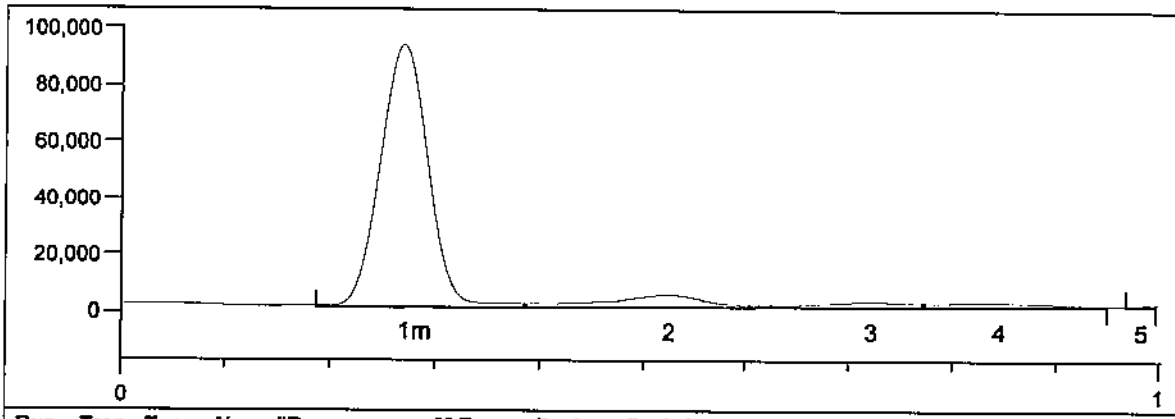


Date: 3/27/14
Time: 3:25 PM

Peak	rt	Area
1m	0.27	392,235
2	0.52	158,323
3	0.71	6,414
4	0.86	25,023
5	0.98	-76

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
53		S	1411043-18		1m	392,235	1.79	0.00		< HS	accept
Notes											

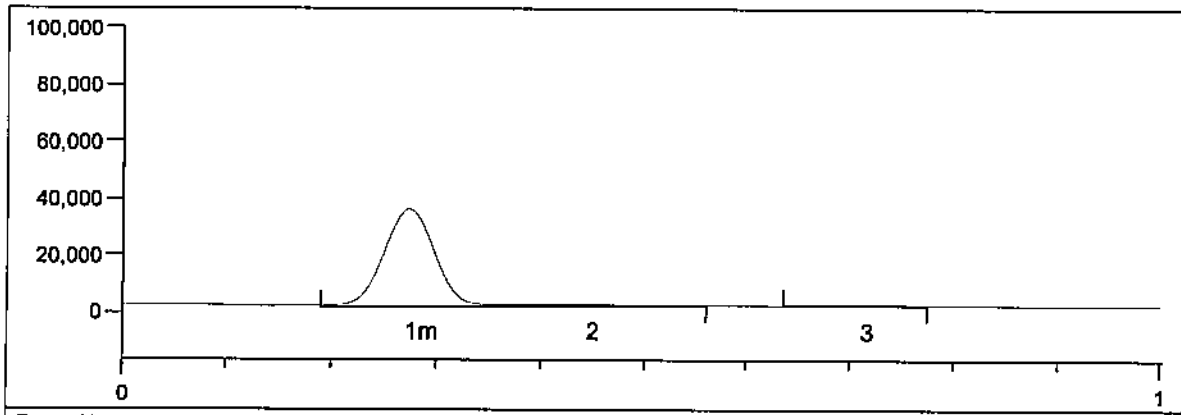


Date: 3/27/14
Time: 3:29 PM

Peak	rt	Area
1m	0.26	2,906,648
2	0.52	226,907
3	0.72	64,616
4	0.84	63,478
5	0.98	-11

CWB 3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
54		S	1411043-19		1m	2,906,648	14.1	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 3:33 PM

Peak	rt	Area
1m	0.27	1,128,829
2	0.44	22,671
3	0.71	22,353

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
55		OPR	SEQ-CCV		1m	1,128,829	5.38		108	80-120	accept
Notes											

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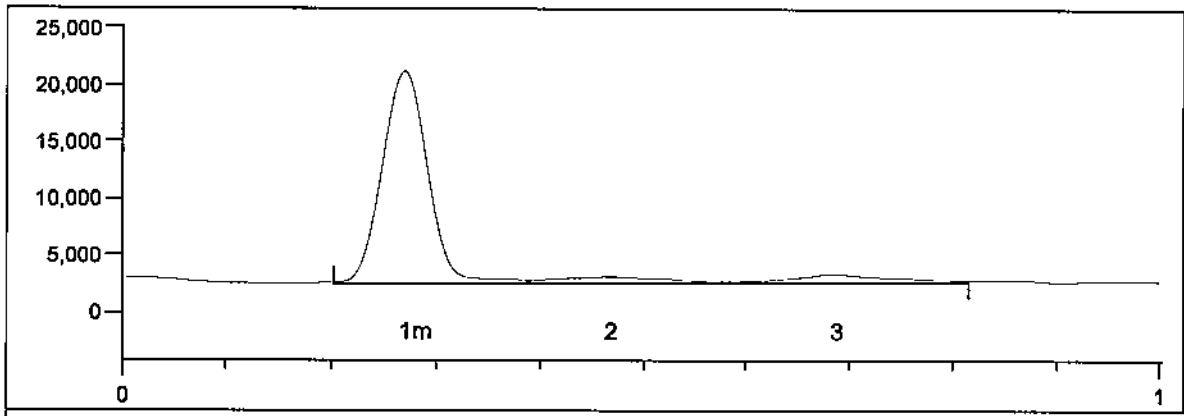
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

Date Analyzed: 3/27/14
Analyst Name: IRJ

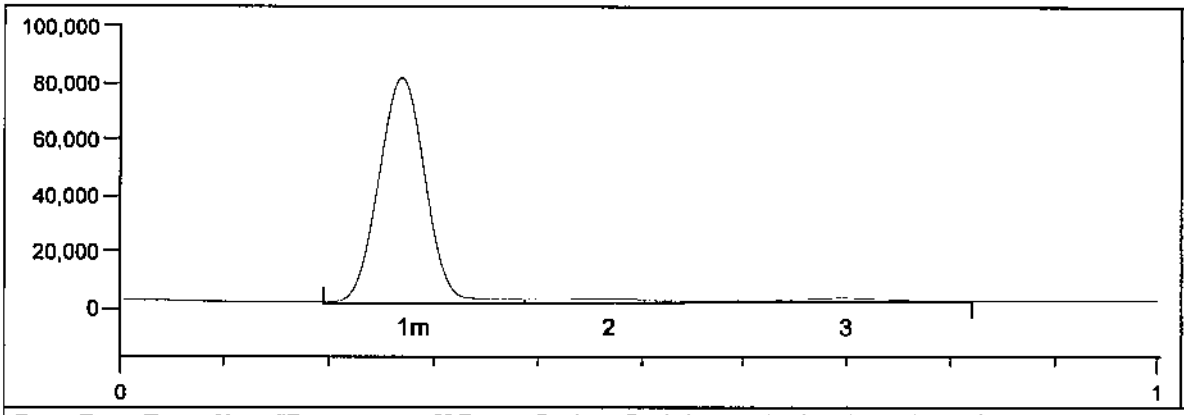


Date: 3/27/14
Time: 3:49 PM

Peak	rt	Area
1m	0.26	554,096
2	0.46	24,527
3	0.68	30,891

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
59		S	B140443-DUP3		1m	554,096	2.58	0.00		< HS	accept
Notes											

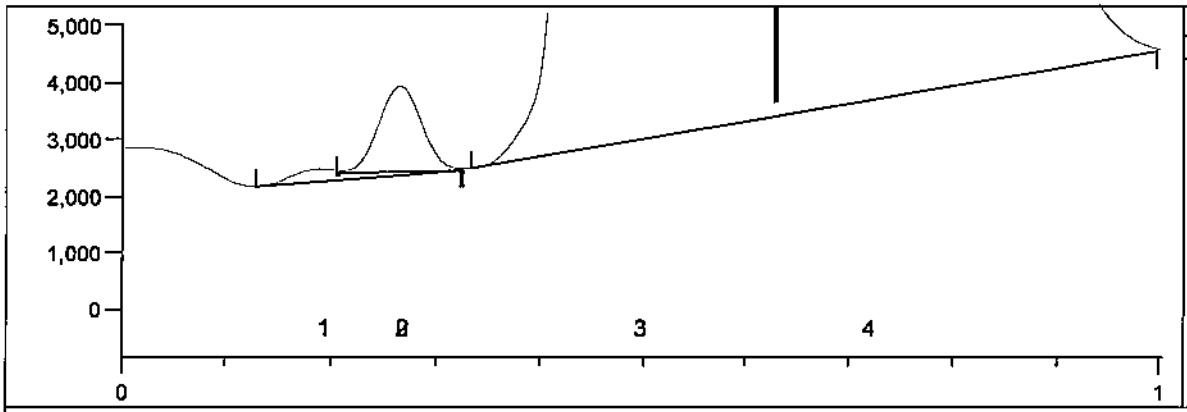


Date: 3/27/14
Time: 3:53 PM

Peak	rt	Area
1m	0.26	2,439,518
2	0.46	59,455
3	0.69	58,308

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
60		S	B140443-MS3		1m	2,439,518	11.8	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 4:04 PM

Peak	rt	Area
1	0.19	6,173
2	0.26	45,982
3	0.49	11,718,487
4	0.71	1,745,138
u	0.26	40,758

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
63		S	1412014-01		u	40,758	0.0742	0.00		< HS	accept
Notes											

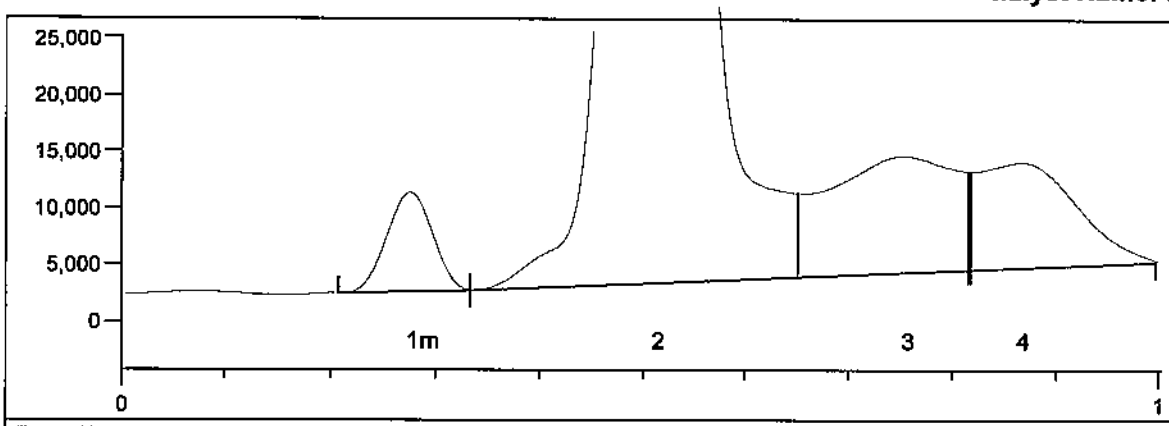
Mercury Guru ver 4.63.1995-2011 Brooks Rand LLC

Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

Date Analyzed: 3/27/14
Analyst Name: IRJ

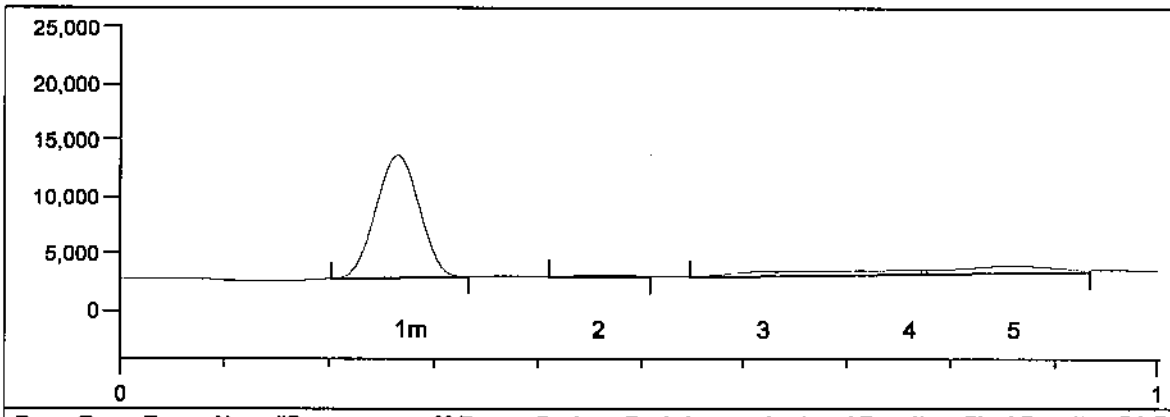


Date: 3/27/14
Time: 4:08 PM

Peak	rt	Area
1m	0.27	266,839
2	0.51	8,310,173
3	0.75	900,754
4	0.86	594,571

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
64		S	1412026-01		1m	266,839	1.18	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 4:16 PM

Peak	rt	Area
1m	0.26	312,975
2	0.45	4,452
3	0.61	8,535
4	0.75	20,922
5	0.86	29,097

CWB
3/27/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
66		S	1412036-01		1m	312,975	1.40	0.00		< HS	accept
Notes											

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Manual Integration Abbreviation Sheet

m. Modified peak shape due to split peak in Guru software

u. Unidentified peak. No peak called out in the appropriate retention time window

m1. Modified peak due to dip in hydride baseline. Peak integrated from the new baseline

m2. Modified peak due to dip in hydride baseline. Peak integrated from old baseline

dp. Double peak called out by software.

g. Analysis volume value is a mass, assumed to be equal to a volume based on an assumed density of 1.00 +/- 0.03g/mL.

SOP(s) / Rev#(s): 0021 - Rev 004c

As(In) ☑ As(III) ☐ MMA ☐ DMA ☐ Analysis Sheet

Sequence: 1400254	Batch(es): B140443	Matrix: Biota
Analyst: TRJ	Date: 03-27-14	Pump purge time: 2:30
Cal. blank (average): 0.006 µg/L	Cal. coefficient: 0.00488	RSD: 13.1 %
Method blank (average): 0.0004 µg/g	Noise: 1996	Trap(s) #: 53
Cal. Std. 10ng/mL: 1410004	ICV Std. 100ng/mL: 1410006	4% NaBH4: 1404005
6M HCl: 1409006	2.5M Tris-HCl:	

	Run #	Sample ID	Analyzed volume (mL)	Dilution Factor	Analysis comments / For QC: Source sample, standard ID, and spiked amount
m2	1	SEQ-IBL1	–		
	2	-IBL2	–		
	3	-IBL3	–		
	4	-CAL1	0.050		10 ng/mL Cal.
	5	-CAL2	0.200		
	6	-CAL3	1.00		
m2	7	-CAL4	2.00		
	8	-CAL5	3.00		
	9	-ICV1	0.050		100 ng/mL ICV
	10	-CCV1	0.500		10 ng/mL Cal.
m2	11	-CCB1	–		
	12	1408034-03RE3	0.100		
	13	-03RE4	0.025		
	14	-03RE5	0.050	10x	N.D.
	15	-03RE6	0.500		~~N~~ TRJ 3-27-14
m1	16	B140447-MS5			1408034-03RE6 @ 10 ng/100 mL Cal.
	17	SEQ-CCV2	0.500		10 ng/mL Cal.
m2	18	-CCB2	–		
	19	B140443-BLK1	2.00		
	20	-BLK2			
	21	-BLK3			
	22	-BLK4			
	23	-BS1			
	24	-SRM1			

Comments:

As(In) ☑ As(III) ☐ MMA ☐ DMA ☐ Analysis Sheet

Page 2 of 3

Sequence: 1400254 Batch: B140443 Analyst: DRJ Date: 03-27-14

	Run #	Sample ID	Analyzed Volume (mL)	Dilution Factor	Analysis comments / For QC: Source sample, standard ID, and spiked amount
	25	B140443-SRM2	2.00		
m2	26	1411043-01			
	27	B140443-DUP1			1411043-01 (native)
	28	-MS1			
m2	29	-MSD1			
	30	1411043-02			
m1	31	-03			
	32	-04			
	33	-05			
m1	34	-06			
	35	-07			
	36	-08			
m2	37	-09	0.200		
	38	B140443-DUP2			native: 1411043-09
m2	39	-MS2			native:
	40	-MSD2			
	41	-PS1	DRJ 03-27-14 0.100		native: 1411043-09RE1 @ 10ng - 1.00mL Cal.
	42	1411043-09RE1	0.101		
m2	43	SEQ-CCV3	0.500		10ng/mL Cal.
	44	-CCB3	-		
	45	1411043-10	0.200		
m2	46	-11			
	47	-12			
m2	48	-13			
m1	49	-14			
	50	-15			
	51	-16			
	52	-17			

Comments:

As(In) ☑ As(III) ☐ MMA ☐ DMA ☐ Analysis Sheet

Page 3 of 3

Sequence: 1400254 Batch: B140443 Analyst: TRJ Date: 03-27-14

	Run #	Sample ID	Analyzed Volume (mL)	Dilution Factor	Analysis comments / For QC: Source sample, standard ID, and spiked amount
m2	53	1411043-18	0.200		
	54	↓ -19	↓		
	55	JEQ-CCV4	0.500		10ng/mL Cal.
	56	↓ -CCB4	-		
	57	1411038-01	0.025		<CAL
	58	↓ -01RE1	0.100		
m2	59	B140443-DUP3			native: 1411038-01RE1
↓	60	-MS3			
	61	-MSD3			
	62	1411038-02			
m1	63	1412014-01	2.00		
m2	64	1412026-01			
	65	↓ -02			
m2	66	1412036-01			
	67	1412042-01			
	68	1412045-01			
	69	JEQ-CCV5	0.500		10ng/mL Cal.
	70	↓ -CCB5	-		

TRJ 03-27-14

Comments:

Total As / Total Se / As Species Ing, III, MMA/DMA (circle)

Methods BR-0020 Rev _____ (HGAAS) & BR-0021 Rev _____ Mod. of EPA 1632 (HGAAS) - circle

Matrix: Water / Sediment / Biota / Other_____ (circle one)

Batch #(s): B140443,4,5,6 Preparation Start Date/Time*: 03-26-14 / 1535 Page 1 of 2

* Time is when the first reagents are added.

Prepared By: JRJ

Balance ID: BL-08

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
1411043-01	0.5015	
1411043-02	0.5133	
1411043-03	0.5291	
1411043-04	0.5001	
1411043-05	0.5280	
1411043-06	0.4647	
1411043-07	0.4862	
1411043-08	0.5728	
1411043-09	0.5360	
1411043-10	0.5277	
1411043-11	0.5174	
1411043-12	0.5276	
1411043-13	0.5134	
1411043-14	0.5406	
1411043-15	0.5180	
1411043-16	0.4986	
1411043-17	0.5613	

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
1411043-18	0.4860	
1411043-19	0.5087	
B140443-DUP1	0.4913	Ing/III/MMA/DMA
B140443-DUP2	0.4939	Ing/III/MMA/DMA
B140443-MS1	0.4981	Ing/III
B140443-MSD1	0.5512	Ing/III
B140443-MS2	0.5550	Ing/III
B140443-MSD2	0.5214	Ing/III
B140445-MS1	0.5348	MMA/DMA
B140445-MSD1	0.5518	MMA/DMA
B140445-MS2	0.5240	MMA/DMA
B140445-MSD2	0.5609	MMA/DMA
B140445-SRM1	0.2796	Ing/III/MMA/DMA
JRJ 03-26-14		

Batch QC ID	Sample Source	Spike Added (mL)	Spike Concentration (ug/mL)	Spike ID	Spike Witness Initials/Date
B140443/~~444~~ BS1	–	0.500	0.10	1410002 ✓	JRJ 3/26/14
B140444 - BS2	–	↓	↓	1410006 ✓	
B140445/446 ~~BS3~~ JRJ 03-26-14 BS1	–	0.5/0.5	0.10/0.10	1410037/1410038 ✓	
B140443 MS/MSD1	43-01	0.500	0.10	1410006 ✓	
B140443 MS/MSD2	43-09	0.050	10	~~↓~~ 1410005 ✓	
B140445 MS/MSD1	43-01	0.50/~~0.05~~ 0.50	0.10/0.10	1410037/1410038	
B140445 MS/MSD2	43-09	↓/0.050	↓/10	↓ ✓/1410035 ✓	

Reagents Added (ID/Amount Added)
2 M HCl (1409005/10mL)
or 10 M HCl (1409006/10mL)

JRJ 03-26-14
Target Digestion Temperature = 75-85 °C
Measured Temperature*, Time On / Time Off, Date
82, 82°C 03-26-14 1600
16 hour timer (03-27-14 @ 0800)

Thermometer ID: 82-02

* Both measured and corrected temperatures must be recorded

Final Volume of Preparation: 10mL
~~Volume of Prep Subsampled:~~
~~Dilution Media:~~ ~~JRJ 03-26-14~~
Final Dilution Volume:

CRM, Matrix, Certified Values
SRM1 1337024 NIST 1568b
SRM2 ↓ ↓

Comments: Samples washed out 3.20.14 by BJT. Stored in walk in Freezer.

Total As / Total Se / As Species Inorg (circle)
Methods BR-0020 Rev _____ (HGAAS) & BR-0021 Rev 004c Mod. of EPA 1632 (HGAAS) - circle

Matrix: Water / Sediment / Biota / Other_____ (circle one)

Batch #(s): B140443 Preparation Start Date/Time*: 03-26-14 / 1535 Page 2 of 2

* Time is when the first reagents are added.

Prepared By: IRJ

Balance ID: BL-08

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
(2) 1411038-01 QC1	0.2056	fine brown powder
1411038-02	0.2725	↓
1412014-01 (1)	0.2466	thick red oil 6m
1412026-01	0.4705	viscous red/brown oil
1412026-02	0.3146	↓
1412036-01	0.2570	ground millet
1412042-01	0.2628	orange flakes (carrot)
1412045-01	0.2338	green flakes (spinach)
DUP3	0.2193	
MS3	0.1971	
MSD3	0.2056	
SRM2	0.3450	

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
	IRJ	
	03-26-14	

Batch QC ID	Sample Source	Spike Added (mL)	Spike Concentration (ug/mL)	Spike ID	Spike Witness Initials/Date
B140433-MS3/D3	1411038-01	0.10	10	1410005 ✓	
		IRJ 03-26-14			3/26/14

Reagents Added (ID/Amount Added)

See pg. 1

IRJ 03-26-14

Target Digestion Temperature = 75-85°C

Measured Temperature*, Time On / Time Off, Date

See pg. 1

Thermometer ID: IRJ

* Both measured and corrected temperatures must be recorded

3-26-14

Final Volume of Preparation: 10mL

Volume of Prep Subsampled:

Dilution Media: IRJ 03-26-14

Final Dilution Volume:

CRM, Matrix, Certified Values

Comments: (1) pipetted, but mass recorded and no volume measured.

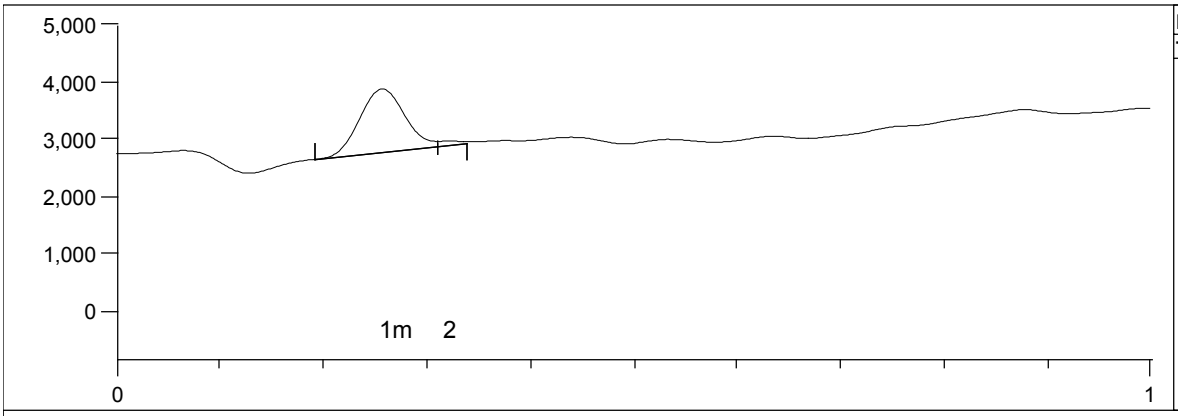
(2) w/o on 3-26-14 by IRJ

Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

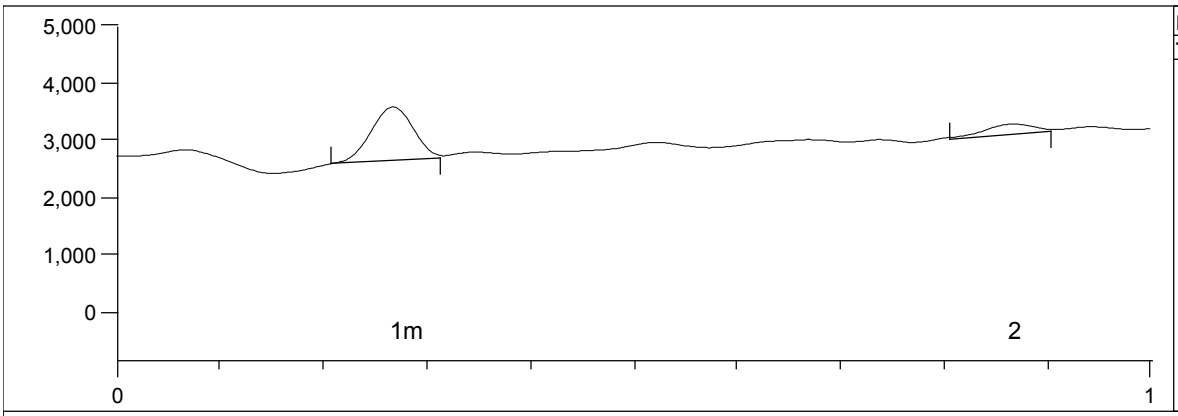
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 10:53 AM

Peak	rt	Area
1m	0.25	33,116
2	0.32	657

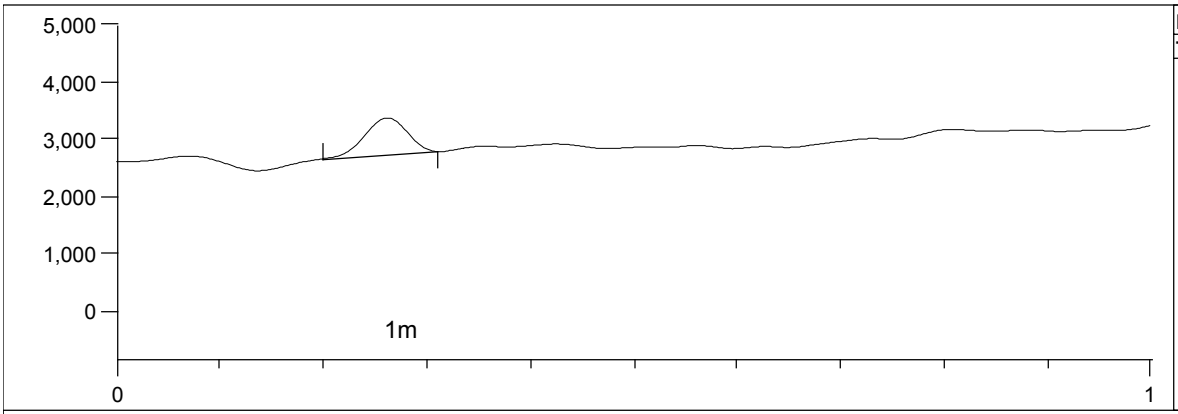
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1		CB	SEQ-IBL1		1m	33,116	0.162		0.162	< 0.4	accept
Notes											



Date: 3/27/14
Time: 10:57 AM

Peak	rt	Area
1m	0.26	25,261
2	0.86	4,482

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2		CB	SEQ-IBL2		1m	25,261	0.123		0.123	< 0.4	accept
Notes											



Date: 3/27/14
Time: 11:01 AM

Peak	rt	Area
1m	0.26	18,259

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3		CB	SEQ-IBL3		1m	18,259	0.0891		0.0891	< 0.4	accept
Notes											

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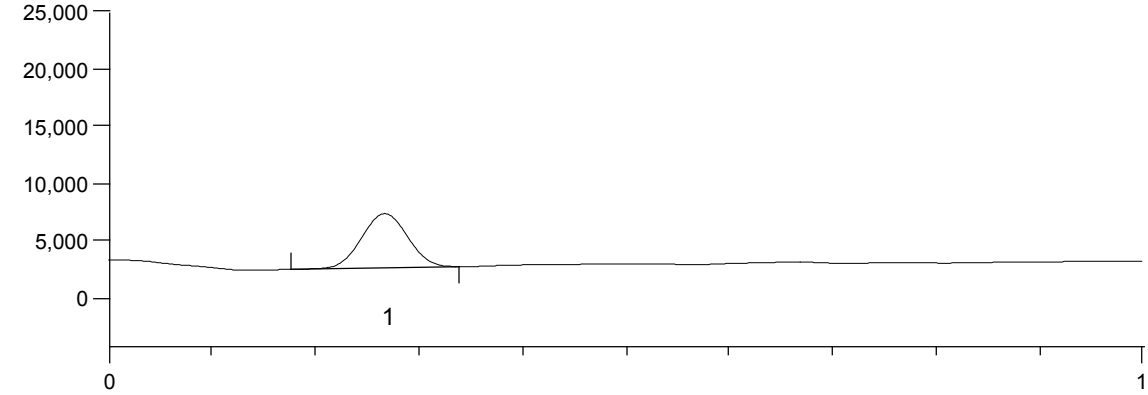
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

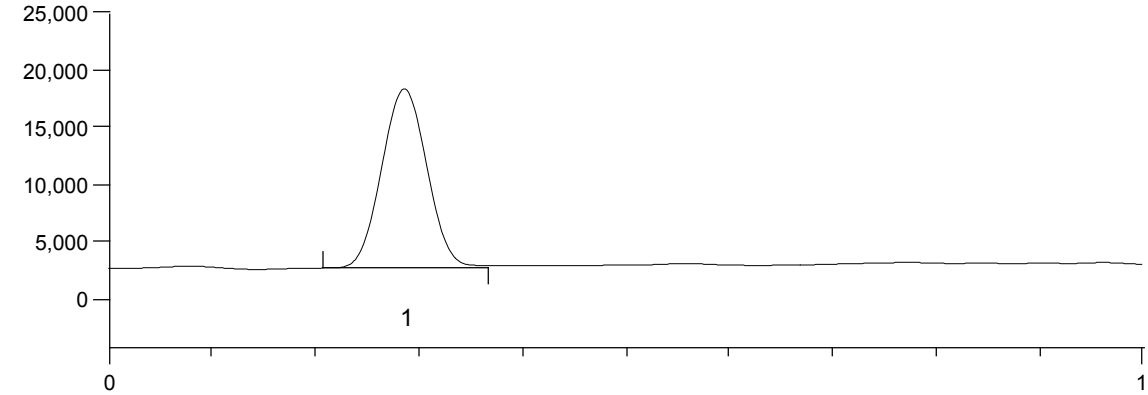
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 11:05 AM

Peak	rt	Area
1	0.26	147,680

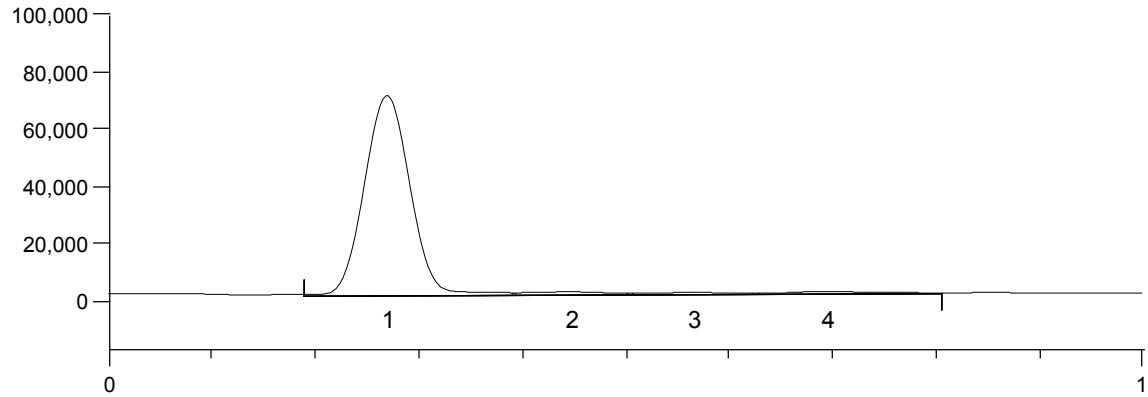
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4		STD	SEQ-CAL1		1	147,680	0.596		119	80-120	accept
Notes											



Date: 3/27/14
Time: 11:09 AM

Peak	rt	Area
1	0.28	469,405

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5		STD	SEQ-CAL2		1	469,405	2.17		108	80-120	accept
Notes											



Date: 3/27/14
Time: 11:13 AM

Peak	rt	Area
1	0.26	2,103,270
2	0.44	29,783
3	0.56	15,098
4	0.69	28,945

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6		STD	SEQ-CAL3		1	2,103,270	10.1		101	80-120	accept
Notes											

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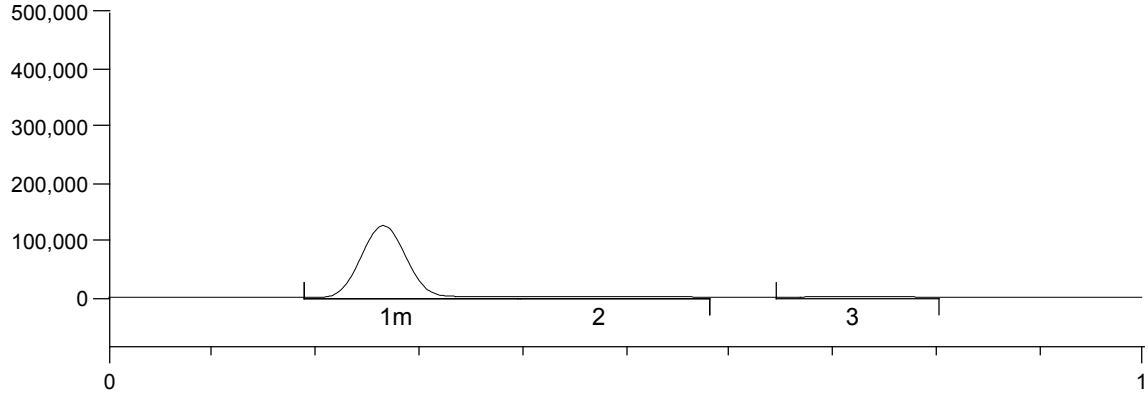
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

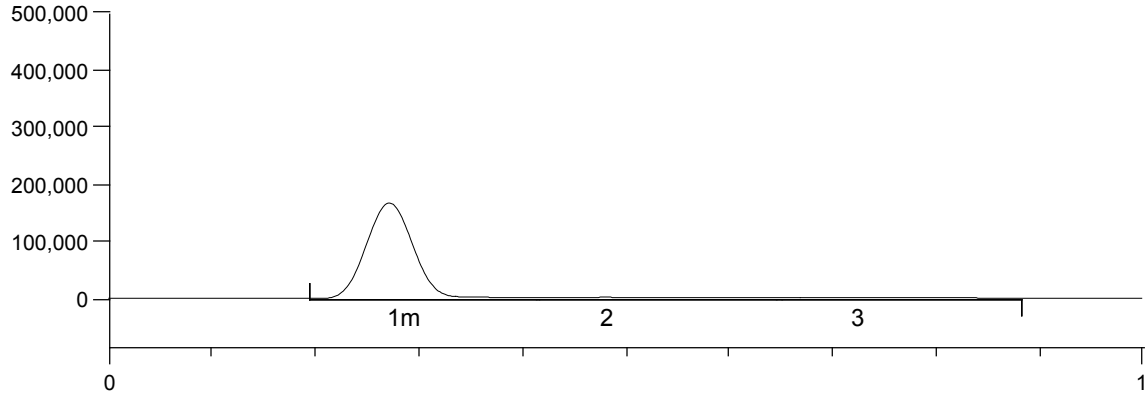
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 11:17 AM

Peak	rt	Area
1m	0.26	3,827,818
2	0.47	61,279
3	0.71	24,634

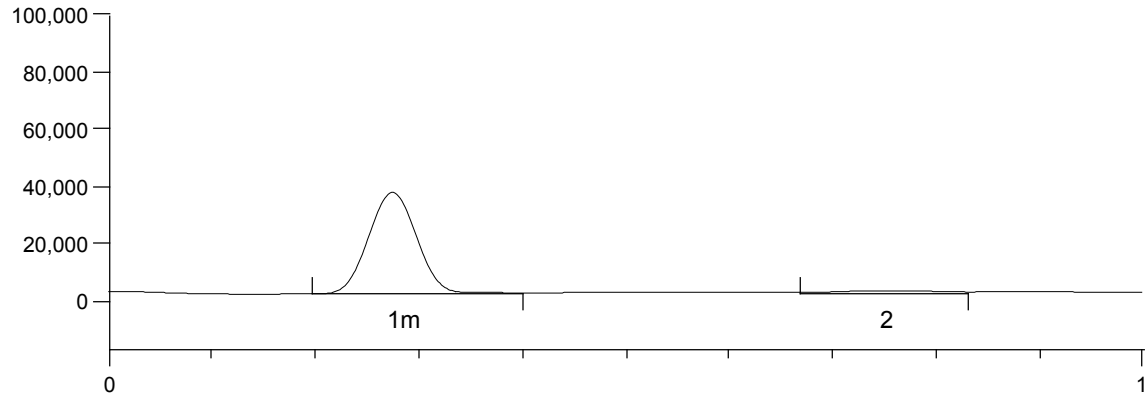
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7		STD	SEQ-CAL4		1m	3,827,818	18.6		92.8	80-120	accept
Notes											



Date: 3/27/14
Time: 11:22 AM

Peak	rt	Area
1m	0.27	5,263,187
2	0.48	146,245
3	0.72	82,356

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8		STD	SEQ-CAL5		1m	5,263,187	25.6		85.2	80-120	accept
Notes											



Date: 3/27/14
Time: 11:26 AM

Peak	rt	Area
1m	0.27	1,129,549
2	0.75	27,942

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9		OPR	SEQ-ICV		1m	1,129,549	5.39		108	80-120	accept
Notes											

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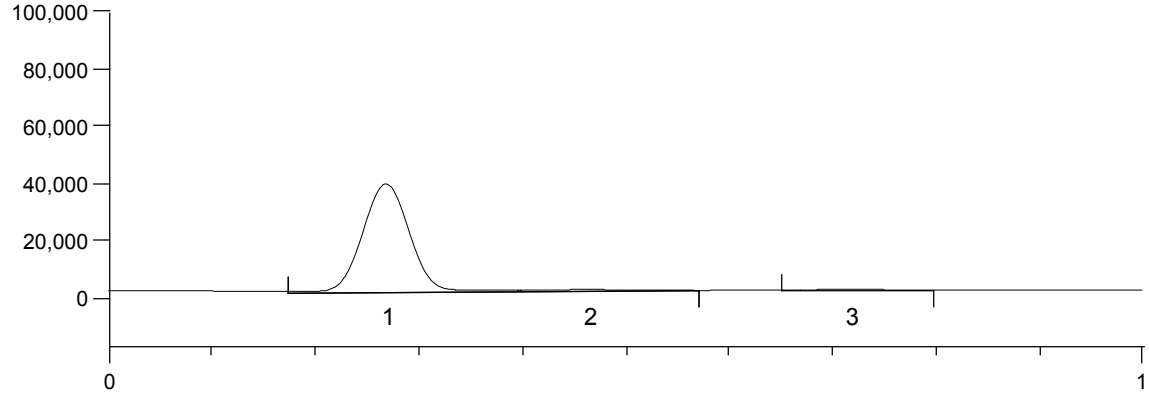
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

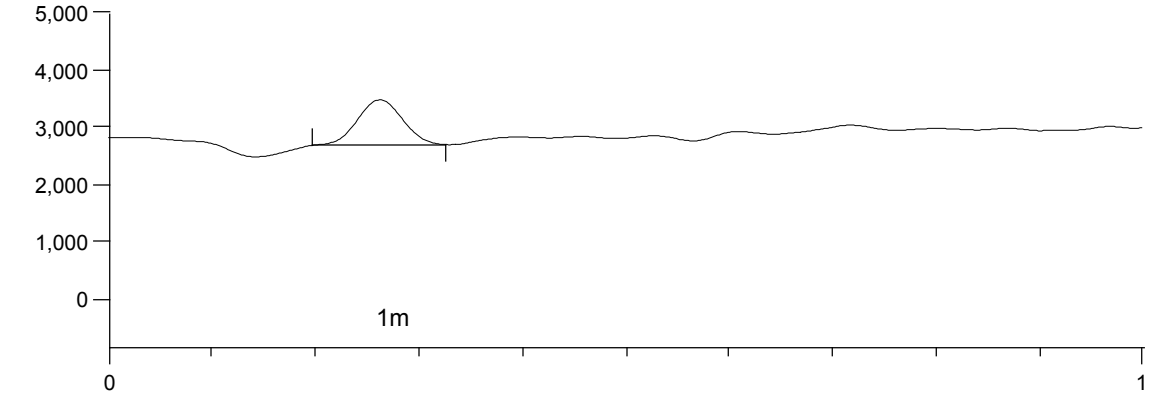
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 11:30 AM

Peak	rt	Area
1	0.26	1,163,367
2	0.46	23,898
3	0.71	16,123

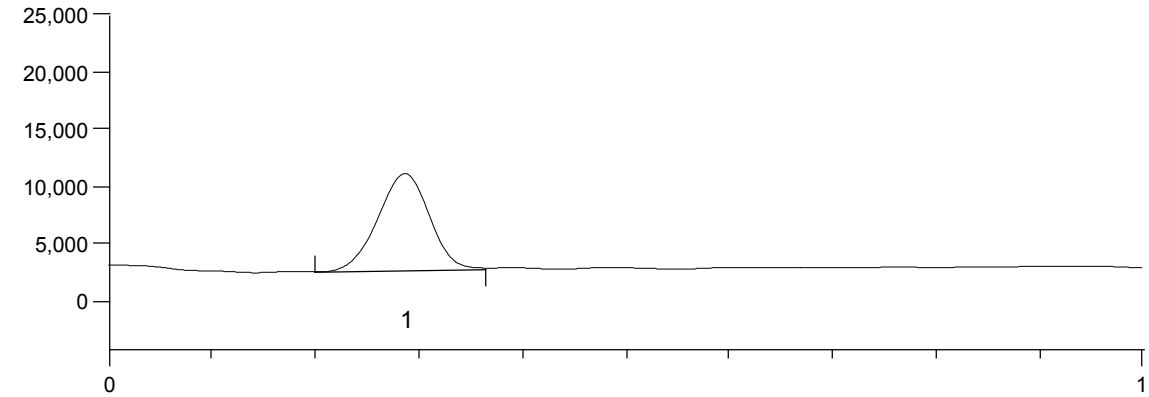
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10		OPR	SEQ-CCV		1	1,163,367	5.55		111	80-120	accept
Notes											



Date: 3/27/14
Time: 11:34 AM

Peak	rt	Area
1m	0.26	23,837

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11		CCB	SEQ-CCB		1m	23,837	0.116		0.116	< 0.4	accept
Notes											



Date: 3/27/14
Time: 12:06 PM

Peak	rt	Area
1	0.28	289,490

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12		S	1408034-03RE3		1	289,490	1.29	0.00		< HS	accept
Notes											

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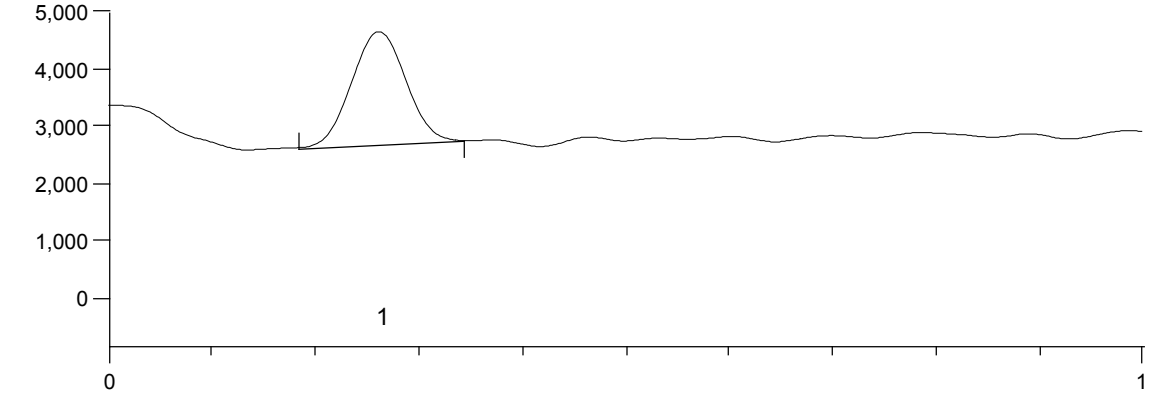
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

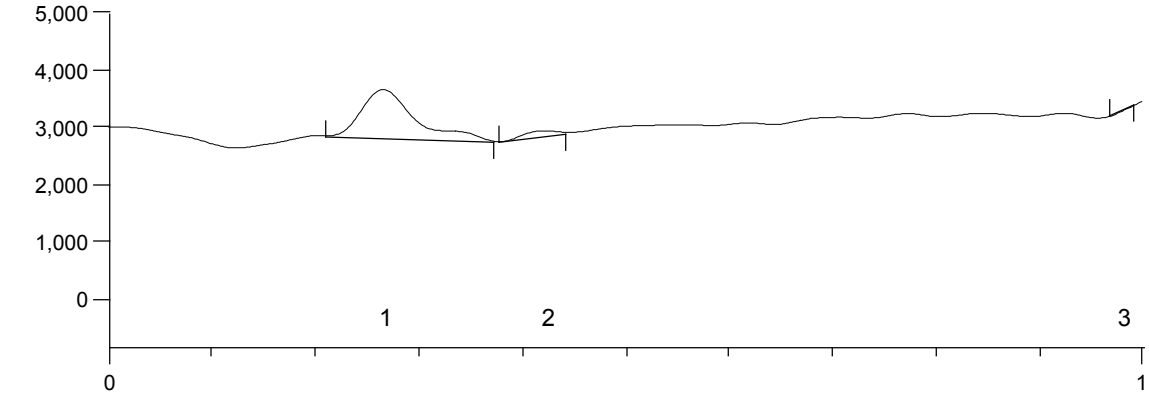
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 12:10 PM

Peak	rt	Area
1	0.26	71,653

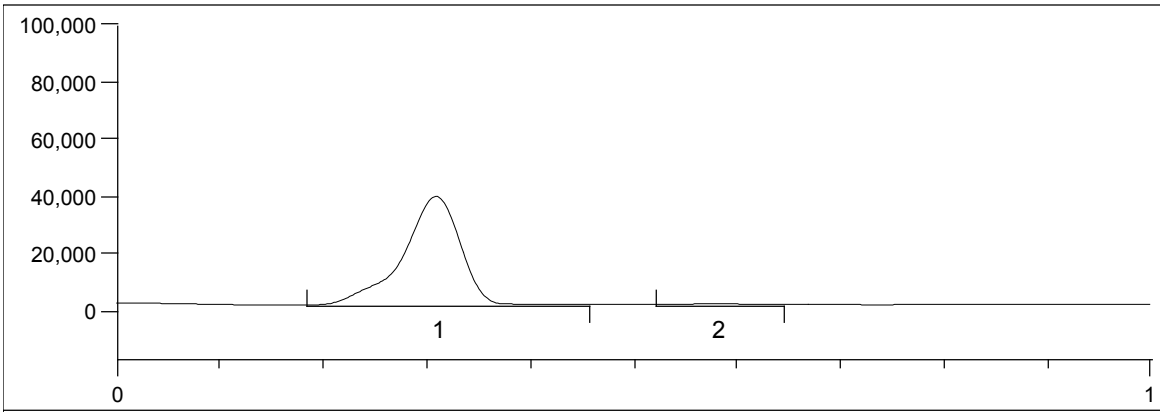
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
13		S	1408034-03RE4		1	71,653	0.225	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 12:13 PM

Peak	rt	Area
1	0.26	30,099
2	0.42	2,130
3	0.98	-23

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
14		S	1408034-03RE5		1	30,099	0.0222	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 12:17 PM

Peak	rt	Area
1	0.30	1,445,671
2	0.58	10,103

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
15		S	1408034-03RE6		1	1,445,671	6.93	0.00		< HS	accept
Notes											

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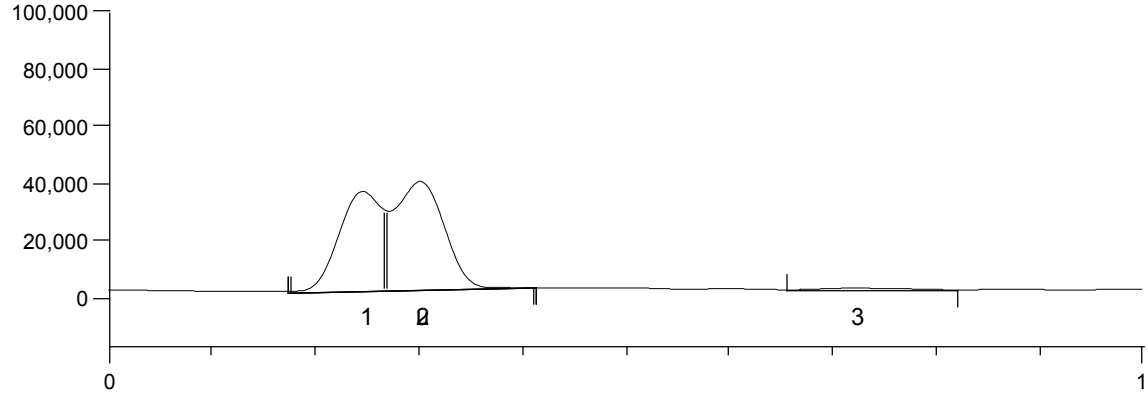
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

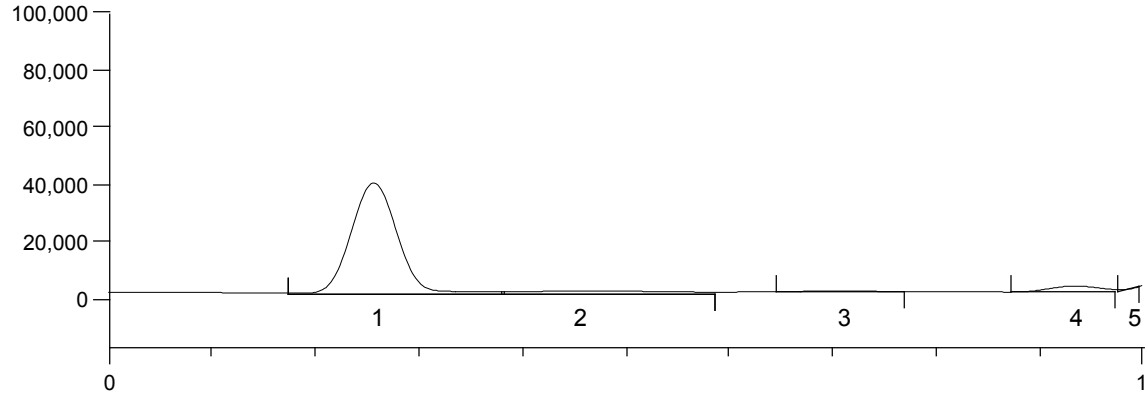
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 12:22 PM

Peak	rt	Area
1	0.24	1,013,249
2	0.30	1,209,996
3	0.72	29,260
u	0.30	2,222,605

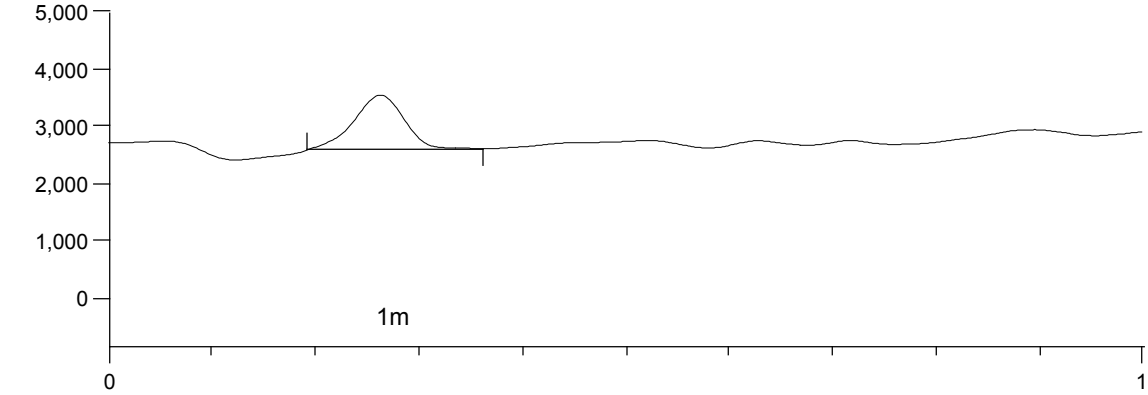
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16		S	B140447-MS5		u	2,222,605	10.7	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 12:27 PM

Peak	rt	Area
1	0.25	1,173,823
2	0.45	36,593
3	0.70	13,537
4	0.93	47,935
5	0.99	-3,191

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17		OPR	SEQ-CCV		1	1,173,823	5.60		112	80-120	accept
Notes											



Date: 3/27/14
Time: 12:31 PM

Peak	rt	Area
1m	0.26	31,353

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18		CCB	SEQ-CCB		1m	31,353	0.153		0.153	< 0.4	accept
Notes											

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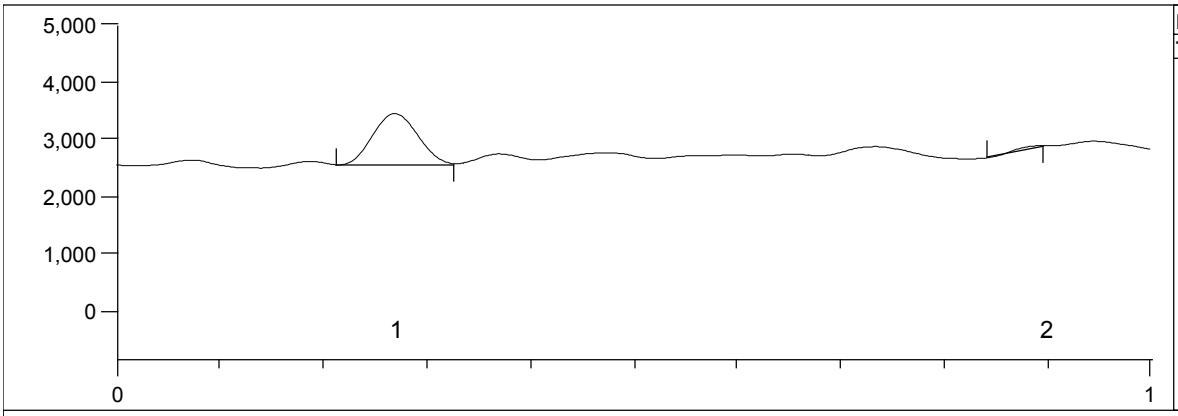
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

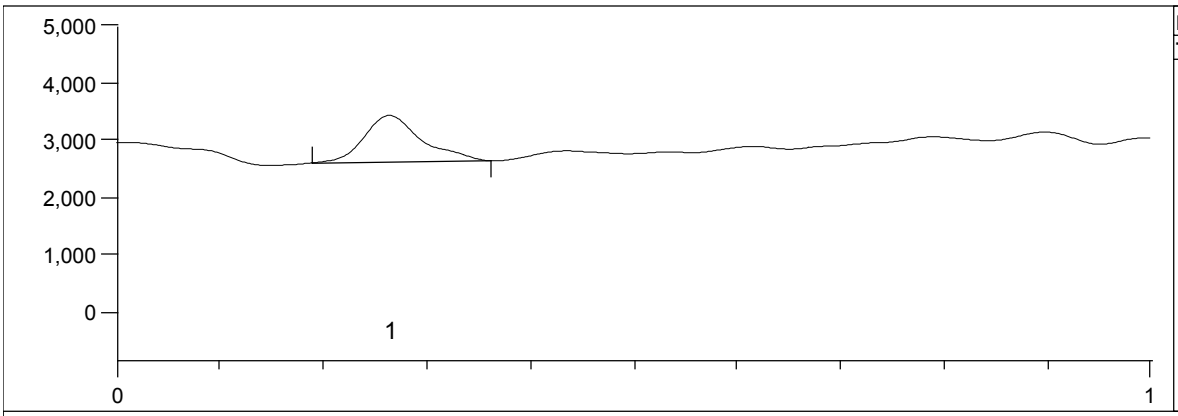
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 12:35 PM

Peak	rt	Area
1	0.26	26,560
2	0.89	1,024

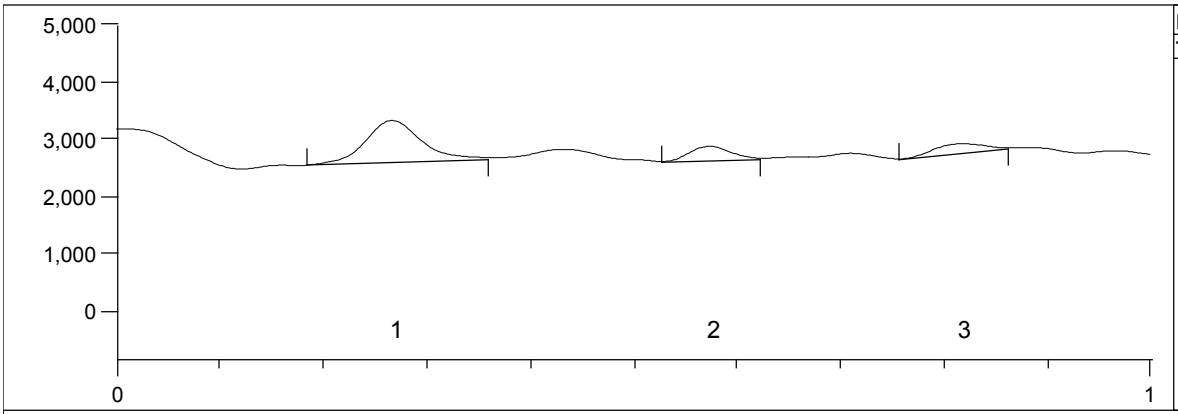
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
19		S	B140443-BLK1		1	26,560	0.00495	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 12:39 PM

Peak	rt	Area
1	0.26	31,408

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
20		S	B140443-BLK2		1	31,408	0.0286	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 12:42 PM

Peak	rt	Area
1	0.26	25,927
2	0.57	6,341
3	0.81	5,628

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
21		S	B140443-BLK3		1	25,927	0.00186	0.00		< HS	accept
Notes											

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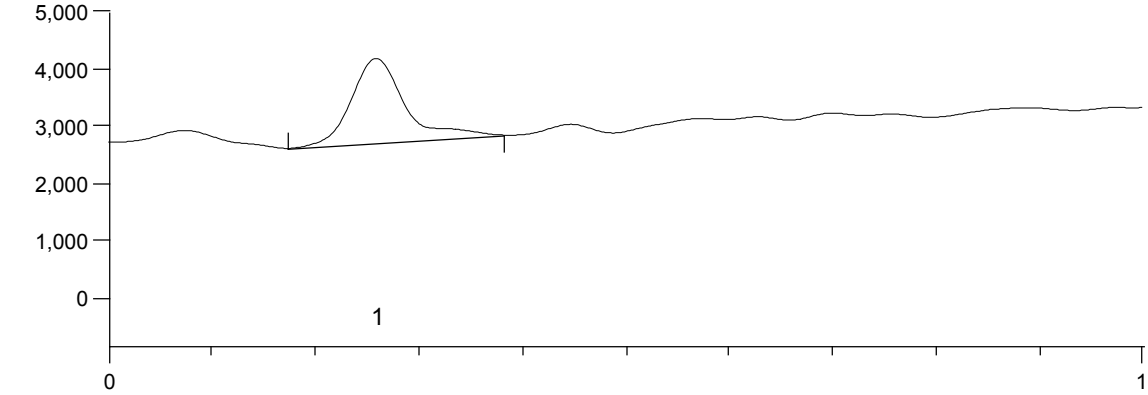
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

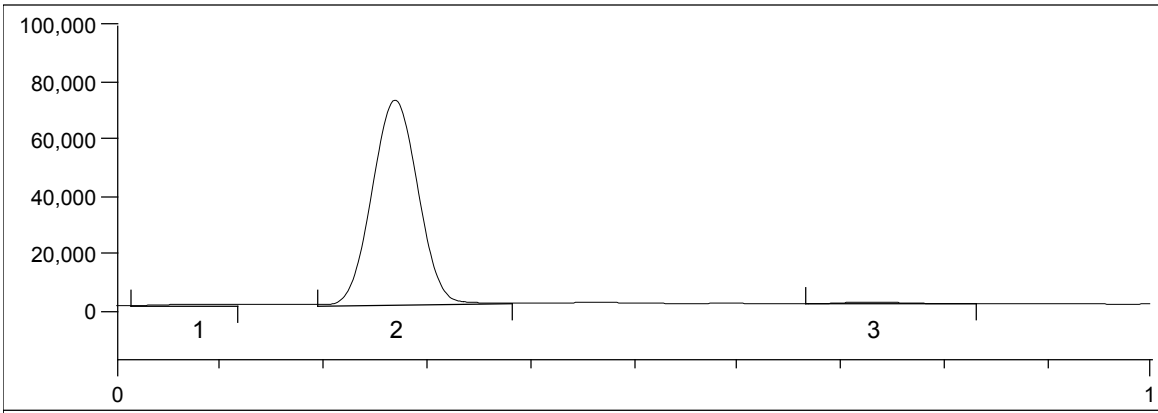
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 12:47 PM

Peak	rt	Area
1	0.26	53,695

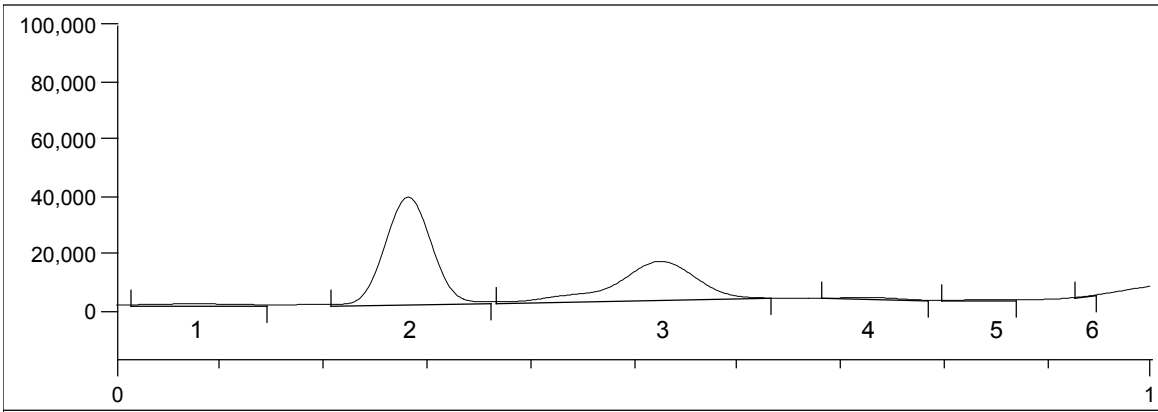
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
22		S	B140443-BLK4		1	53,695	0.137	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 12:51 PM

Peak	rt	Area
1	0.07	9,875
2	0.26	2,184,407
3	0.73	26,301

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
23		S	B140443-BS1		2	2,184,407	10.5	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 12:55 PM

Peak	rt	Area
1	0.07	12,862
2	0.28	1,138,667
3	0.52	709,383
4	0.72	16,884
5	0.84	3,676
6	0.94	-295

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24		S	B140443-SRM1		2	1,138,667	5.43	0.00		< HS	accept
Notes											

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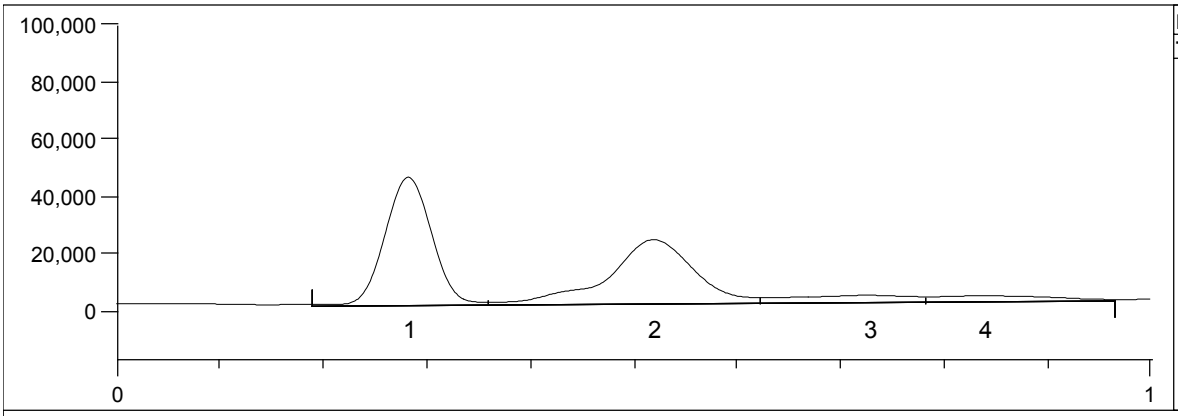
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

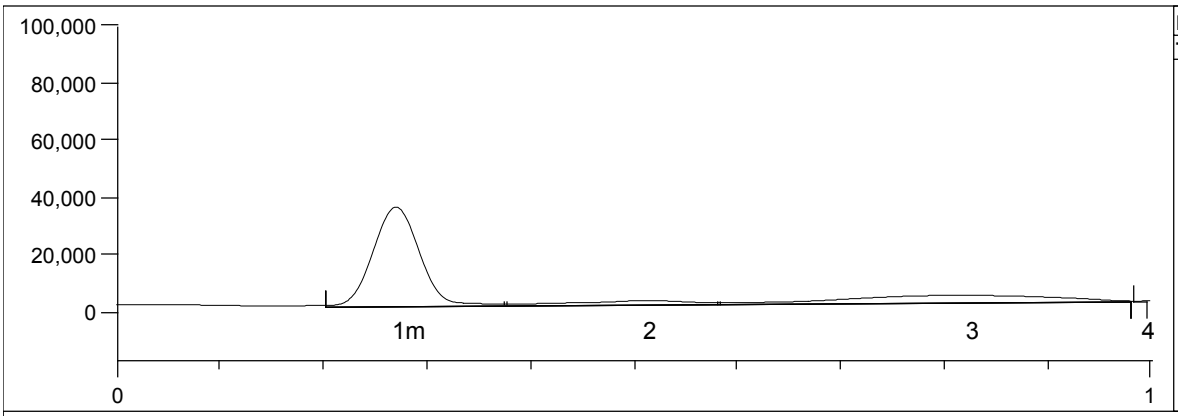
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 12:59 PM

Peak	rt	Area
1	0.28	1,369,327
2	0.52	1,224,988
3	0.72	159,621
4	0.83	109,934

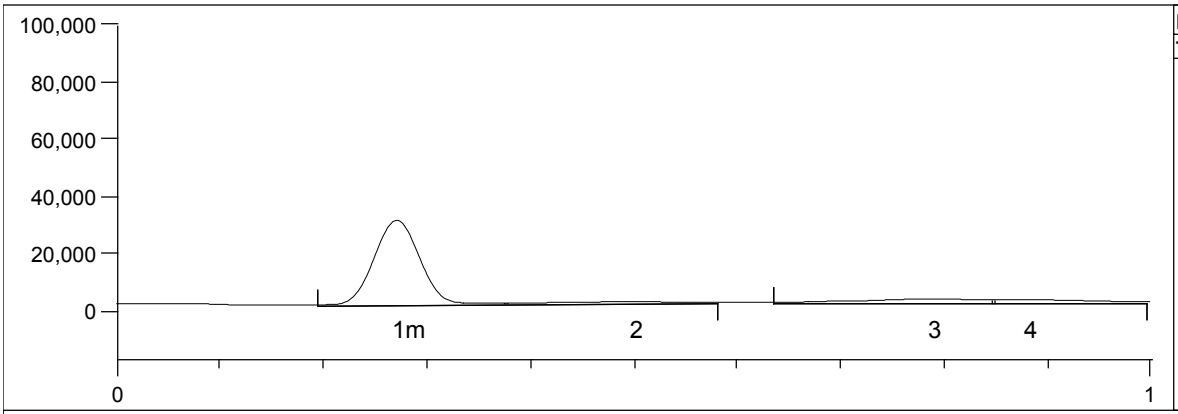
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
25		S	B140443-SRM2		1	1,369,327	6.56	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 1:03 PM

Peak	rt	Area
1m	0.27	1,042,762
2	0.51	65,958
3	0.82	303,134
4	0.99	-68

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
26		S	1411043-01		1m	1,042,762	4.96	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 1:07 PM

Peak	rt	Area
1m	0.27	889,365
2	0.50	36,635
3	0.78	87,460
4	0.88	43,370

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
27		S	B140443-DUP1		1m	889,365	4.22	0.00		< HS	accept
Notes											

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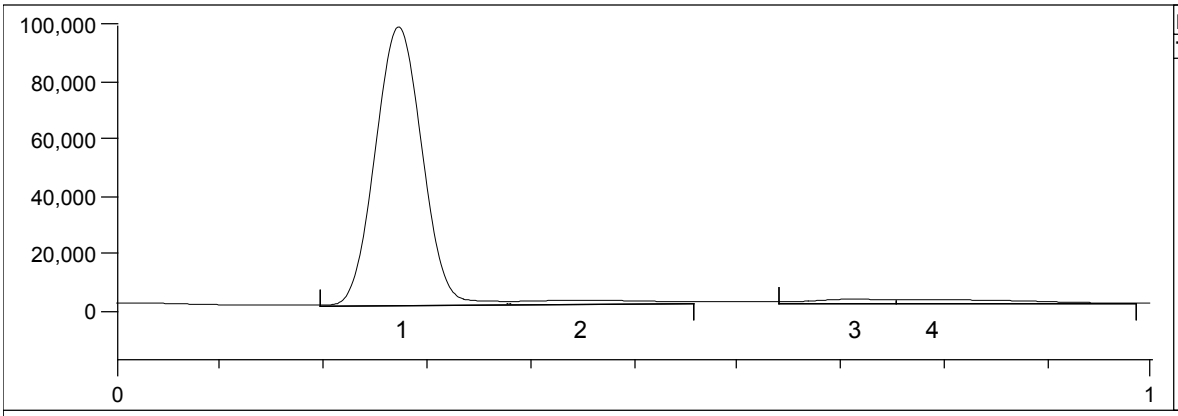
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

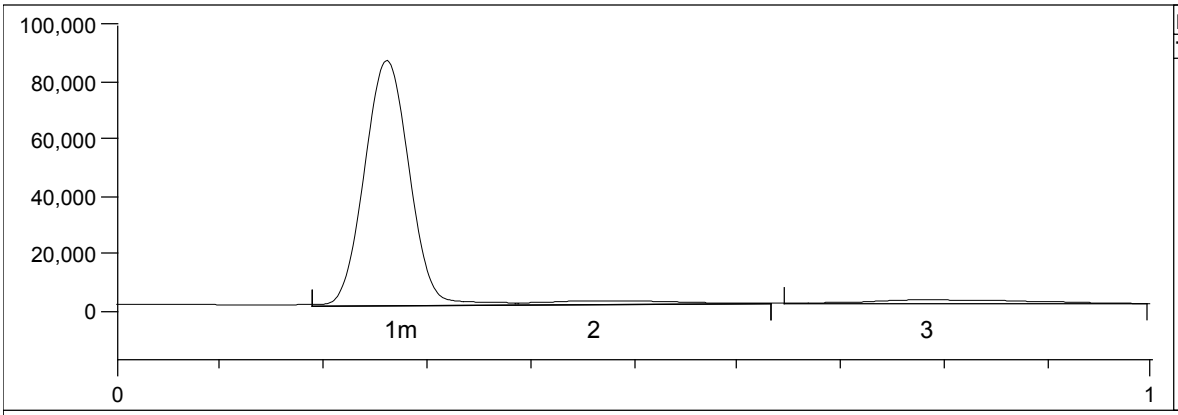
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 1:11 PM

Peak	rt	Area
1	0.27	3,032,091
2	0.44	57,659
3	0.71	45,730
4	0.78	71,569

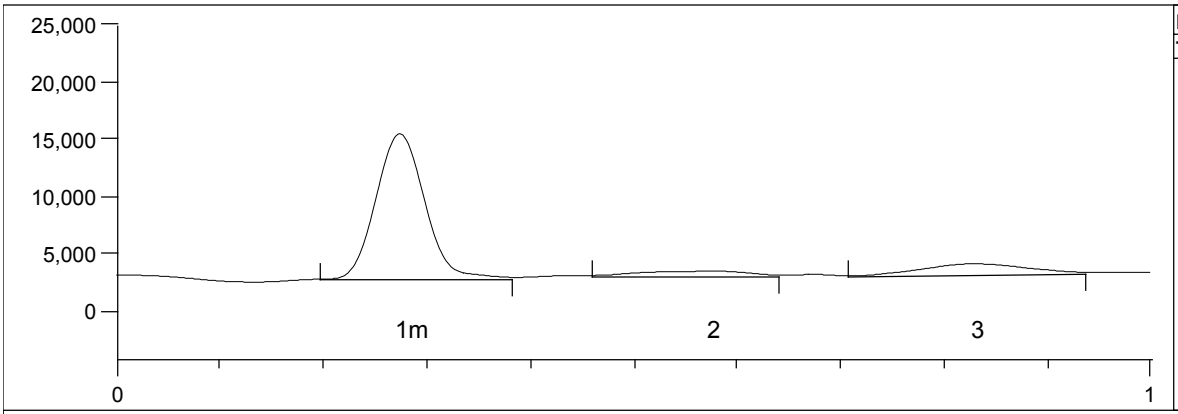
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
28		S	B140443-MS1		1	3,032,091	14.7	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 1:15 PM

Peak	rt	Area
1m	0.26	2,539,659
2	0.46	74,723
3	0.78	127,071

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29		S	B140443-MSD1		1m	2,539,659	12.3	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 1:25 PM

Peak	rt	Area
1m	0.27	408,614
2	0.57	23,896
3	0.82	60,244

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
30		S	1411043-02		1m	408,614	1.87	0.00		< HS	accept
Notes											

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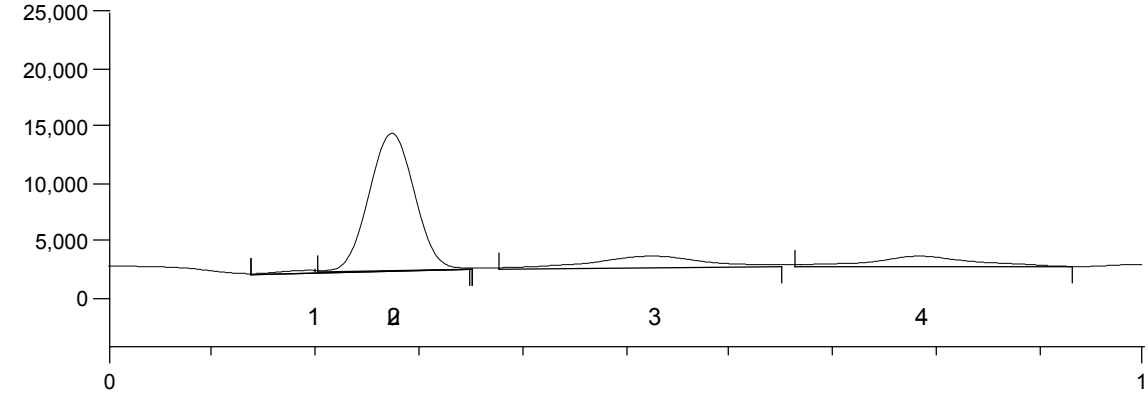
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

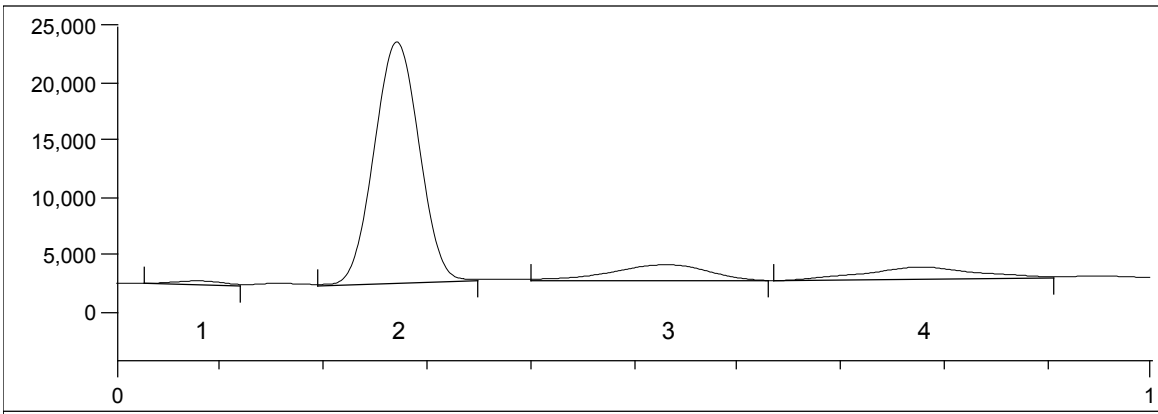
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 1:29 PM

Peak	rt	Area
1	0.19	4,236
2	0.27	364,065
3	0.52	57,036
4	0.78	49,966
u	0.27	357,668

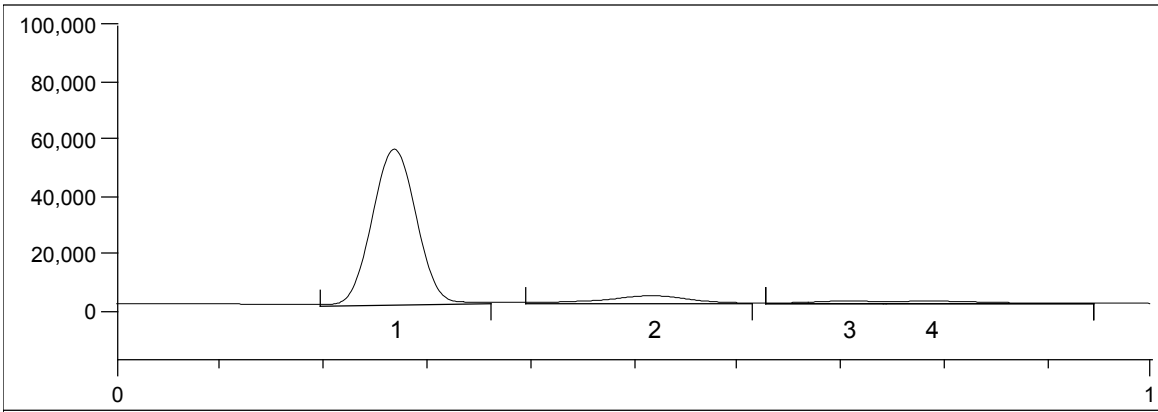
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31		S	1411043-03		u	357,668	1.62	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 1:57 PM

Peak	rt	Area
1	0.08	7,694
2	0.27	630,852
3	0.53	81,806
4	0.77	72,744

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
32		S	1411043-04		2	630,852	2.95	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 2:01 PM

Peak	rt	Area
1	0.26	1,585,346
2	0.51	124,250
3	0.70	27,794
4	0.78	37,384

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
33		S	1411043-05		1	1,585,346	7.61	0.00		< HS	accept
Notes											

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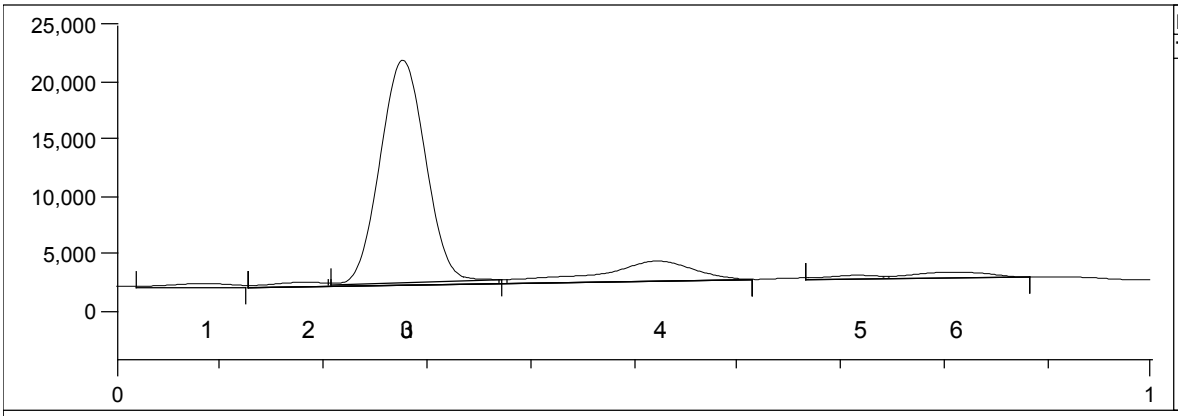
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

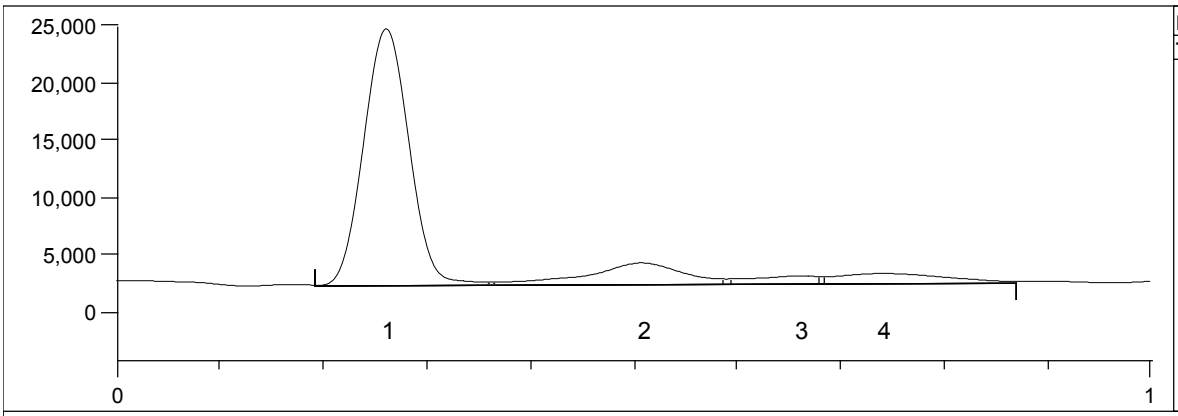
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 2:05 PM

Peak	rt	Area
1	0.08	6,802
2	0.18	6,900
3	0.27	603,730
4	0.52	103,532
5	0.71	6,355
6	0.80	23,296
u	0.27	585,251

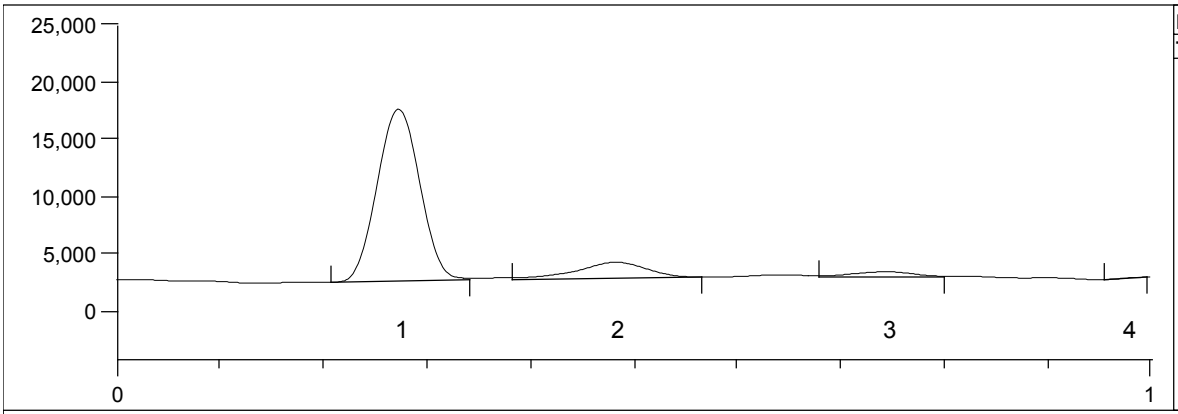
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
34		S	1411043-06		u	585,251	2.73	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 2:09 PM

Peak	rt	Area
1	0.26	680,877
2	0.50	110,801
3	0.66	25,996
4	0.74	51,725

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
35		S	1411043-07		1	680,877	3.20	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 2:13 PM

Peak	rt	Area
1	0.27	427,313
2	0.48	58,249
3	0.74	13,348
4	0.97	604

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
36		S	1411043-08		1	427,313	1.96	0.00		< HS	accept
Notes											

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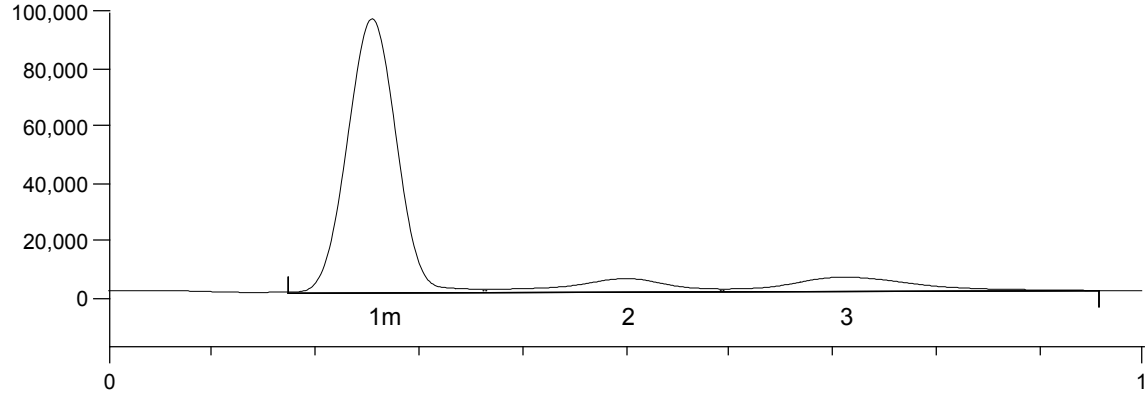
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

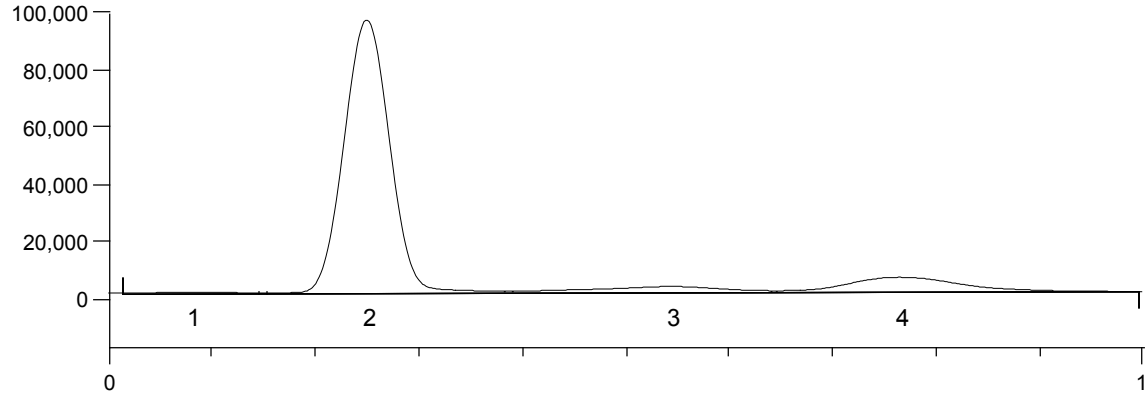
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 2:18 PM

Peak	rt	Area
1m	0.25	3,146,065
2	0.50	293,688
3	0.71	400,511

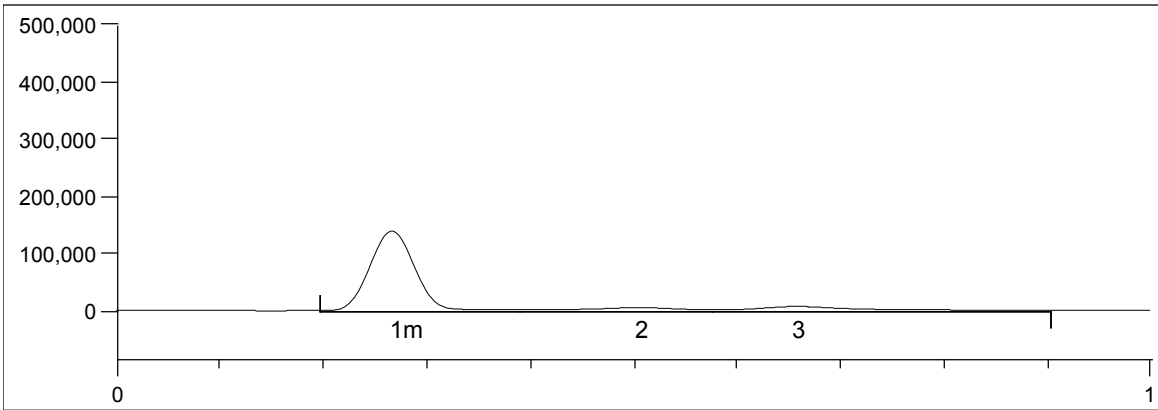
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
37		S	1411043-09		1m	3,146,065	15.2	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 2:23 PM

Peak	rt	Area
1	0.08	13,230
2	0.25	2,922,950
3	0.54	182,237
4	0.76	408,611

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
38		S	B140443-DUP2		2	2,922,950	14.1	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 2:27 PM

Peak	rt	Area
1m	0.26	4,163,914
2	0.50	300,310
3	0.65	445,060

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
39		S	B140443-MS2		1m	4,163,914	20.2	0.00		< HS	accept
Notes											

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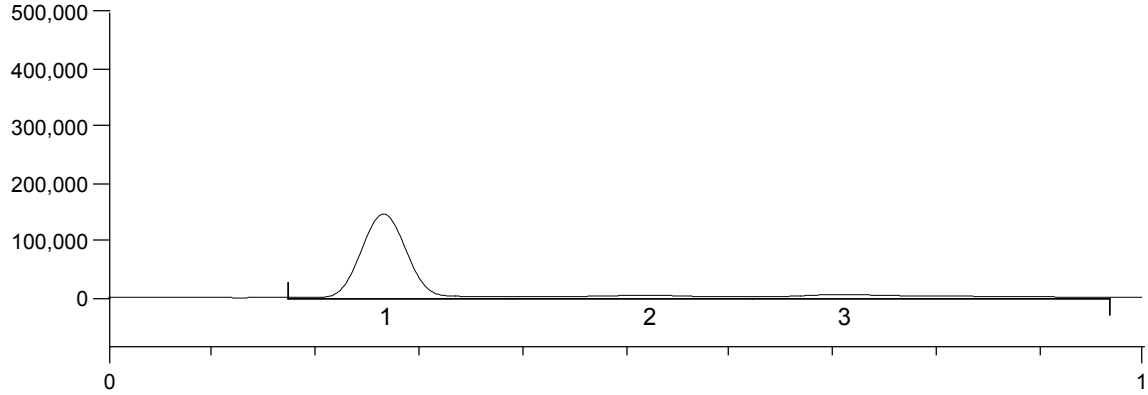
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

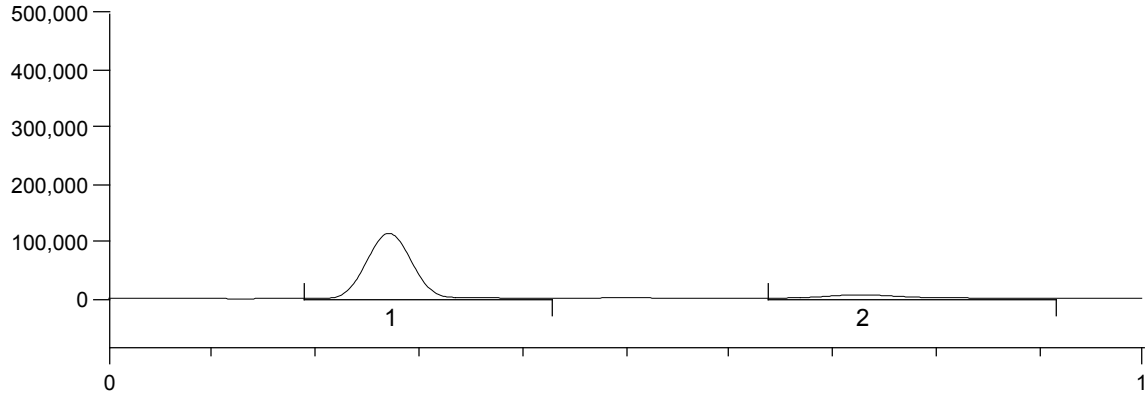
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 2:31 PM

Peak	rt	Area
1	0.26	4,464,414
2	0.52	309,886
3	0.70	433,259

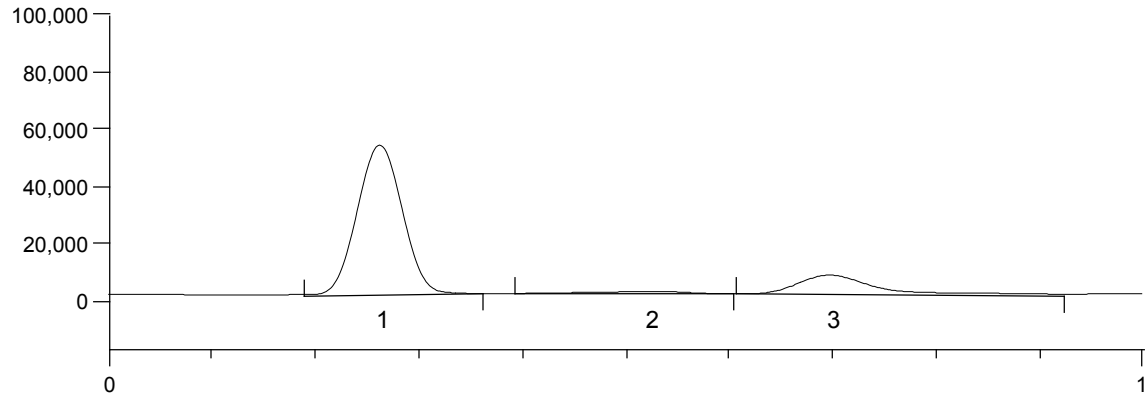
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
40		S	B140443-MSD2		1	4,464,414	21.7	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 2:35 PM

Peak	rt	Area
1	0.27	3,464,894
2	0.72	300,565

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
41		S	B140443-PS1		1	3,464,894	16.8	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 2:39 PM

Peak	rt	Area
1	0.26	1,575,294
2	0.52	47,863
3	0.69	321,283

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
42		S	1411043-09RE1		1	1,575,294	7.56	0.00		< HS	accept
Notes											

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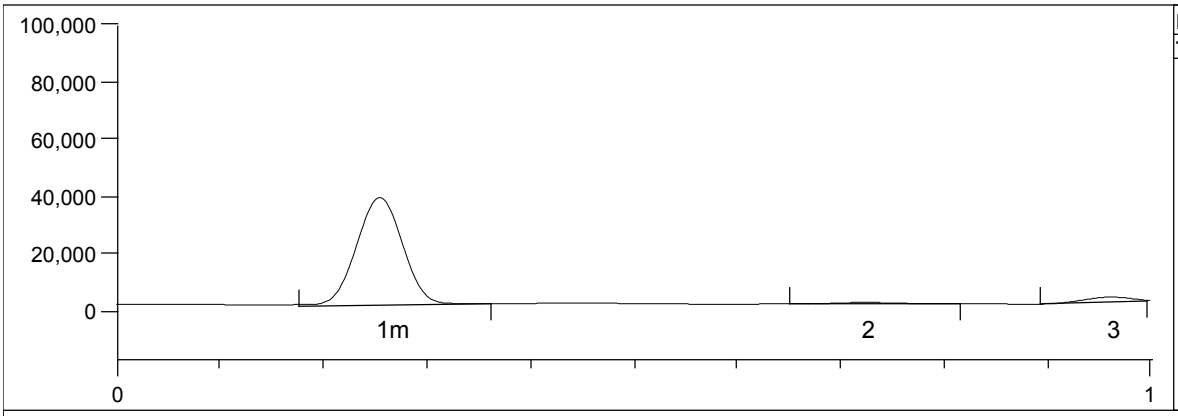
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

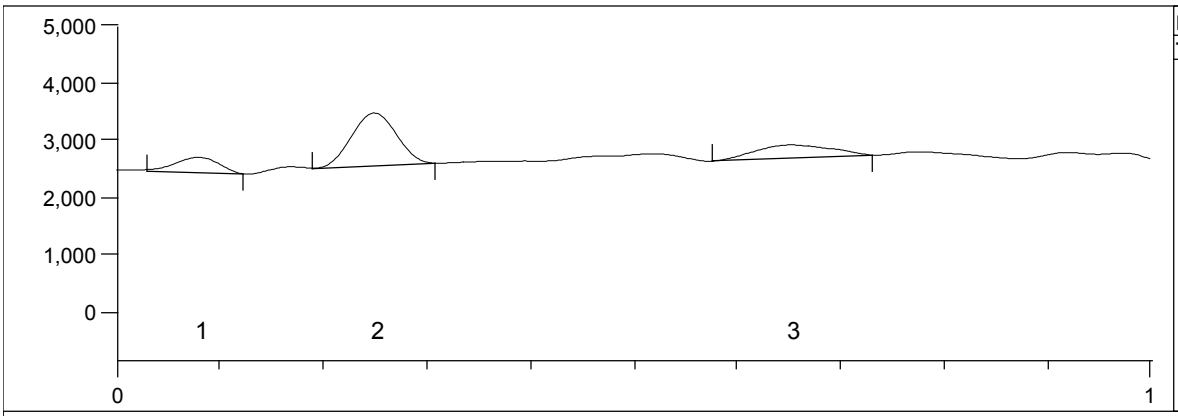
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 2:43 PM

Peak	rt	Area
1m	0.25	1,143,001
2	0.72	22,352
3	0.96	52,420

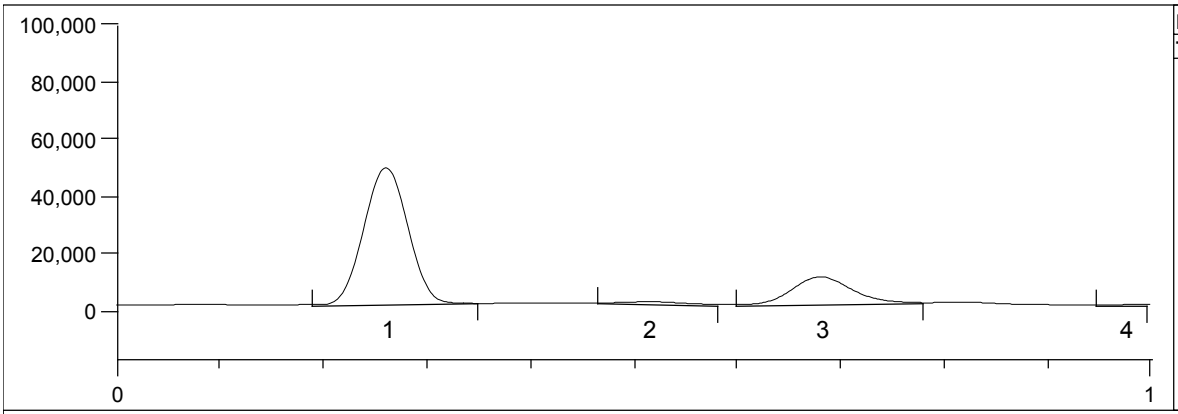
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
43		OPR	SEQ-CCV		1m	1,143,001	5.45		109	80-120	accept
Notes											



Date: 3/27/14
Time: 2:47 PM

Peak	rt	Area
1	0.08	6,894
2	0.24	27,893
3	0.65	12,077

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
44		CCB	SEQ-CCB		2	27,893	0.136		0.136	< 0.4	accept
Notes											



Date: 3/27/14
Time: 2:51 PM

Peak	rt	Area
1	0.26	1,408,096
2	0.51	18,728
3	0.68	367,986
4	0.97	744

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
45		S	1411043-10		1	1,408,096	6.75	0.00		< HS	accept
Notes											

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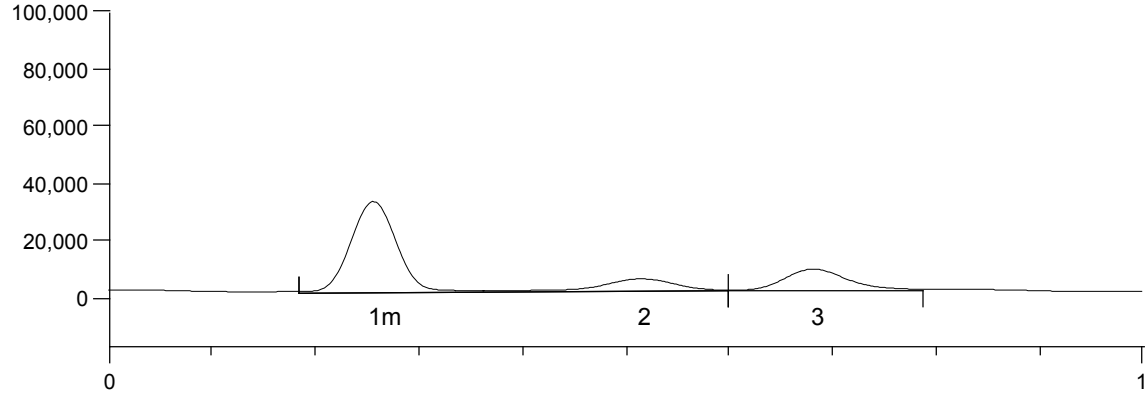
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

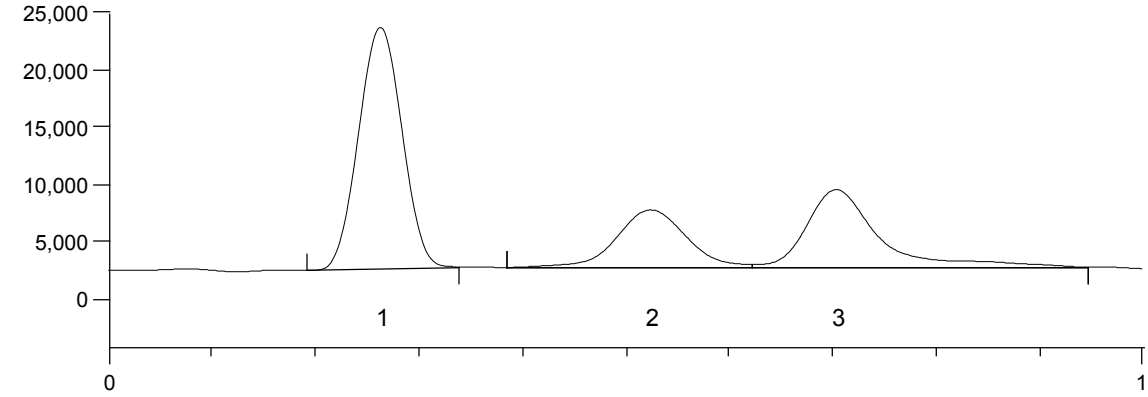
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 2:55 PM

Peak	rt	Area
1m	0.25	937,411
2	0.51	185,664
3	0.68	293,984

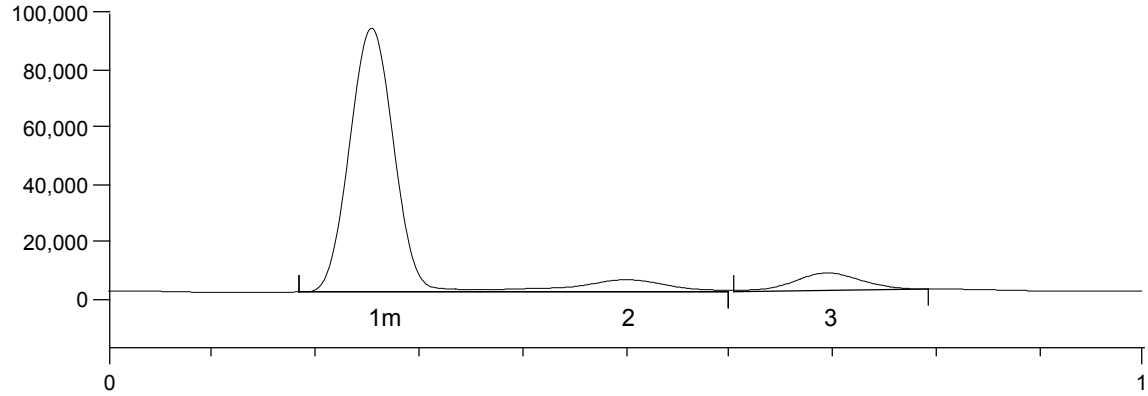
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
46		S	1411043-11		1m	937,411	4.45	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 2:59 PM

Peak	rt	Area
1	0.26	616,285
2	0.52	234,940
3	0.70	326,002

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
47		S	1411043-12		1	616,285	2.88	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 3:03 PM

Peak	rt	Area
1m	0.25	2,726,455
2	0.50	227,500
3	0.69	258,654

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
48		S	1411043-13		1m	2,726,455	13.2	0.00		< HS	accept
Notes											

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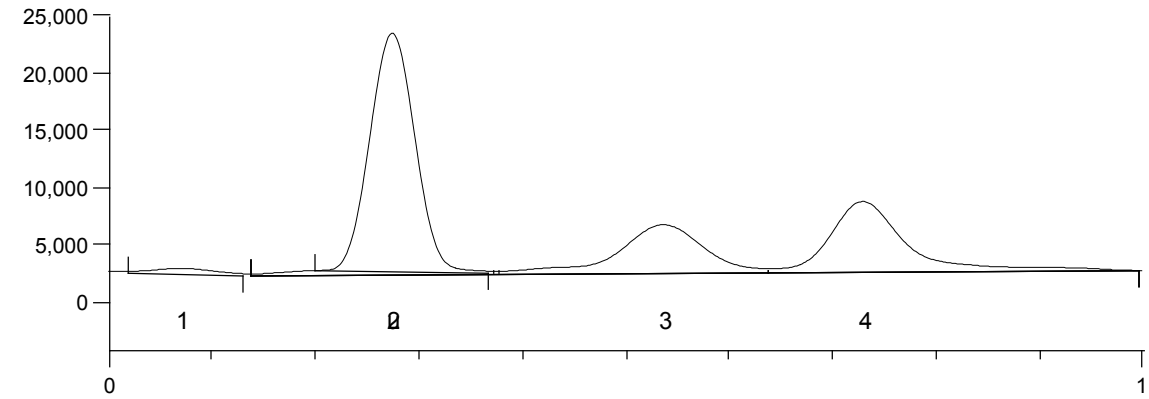
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

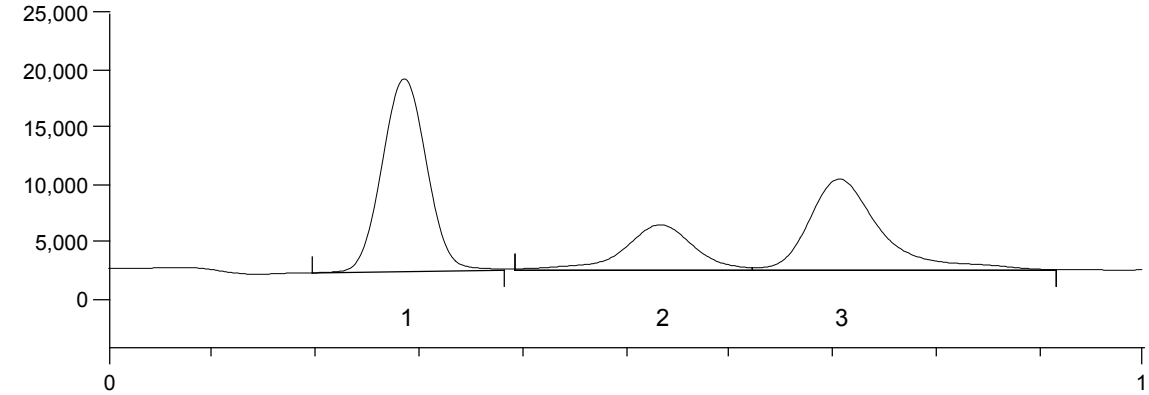
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 3:07 PM

Peak	rt	Area
1	0.07	11,732
2	0.27	655,145
3	0.53	234,266
4	0.72	310,452
u	0.27	626,962

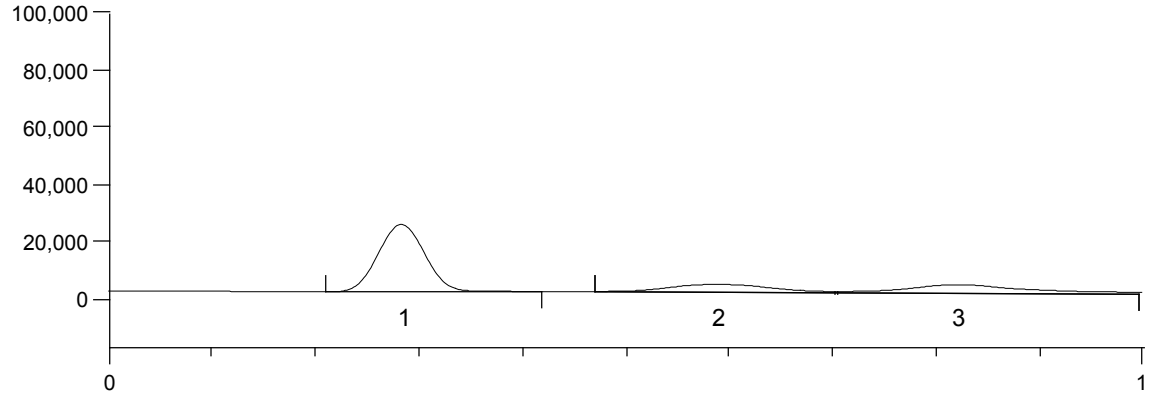
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
49		S	1411043-14		u	626,962	2.93	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 3:11 PM

Peak	rt	Area
1	0.28	501,892
2	0.53	174,352
3	0.70	374,870

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
50		S	1411043-15		1	501,892	2.32	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 3:17 PM

Peak	rt	Area
1	0.28	741,710
2	0.58	160,103
3	0.82	166,329

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
51		S	1411043-16		1	741,710	3.49	0.00		< HS	accept
Notes											

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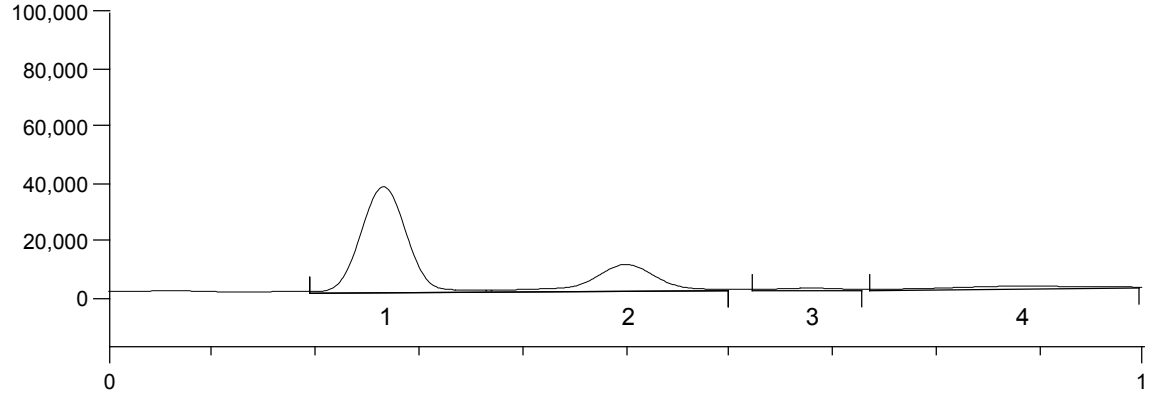
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

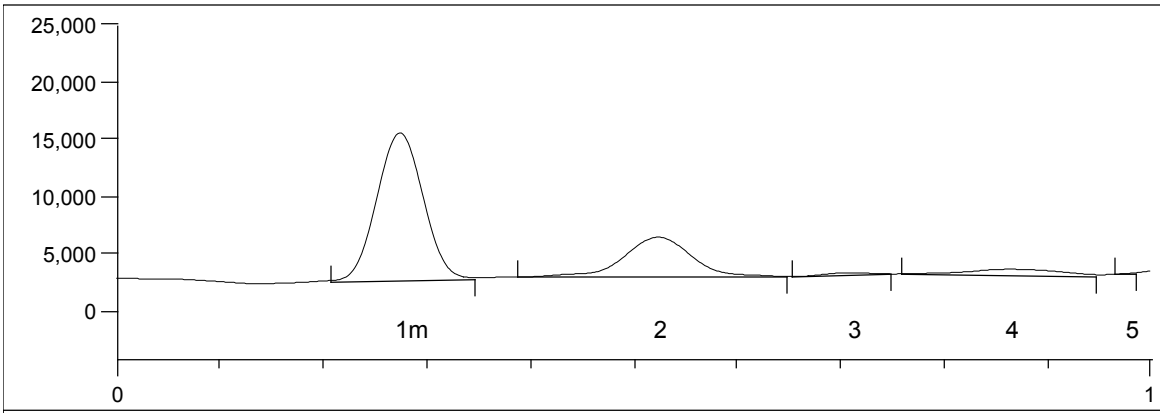
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 3:21 PM

Peak	rt	Area
1	0.26	1,102,707
2	0.50	352,925
3	0.68	12,441
4	0.88	57,407

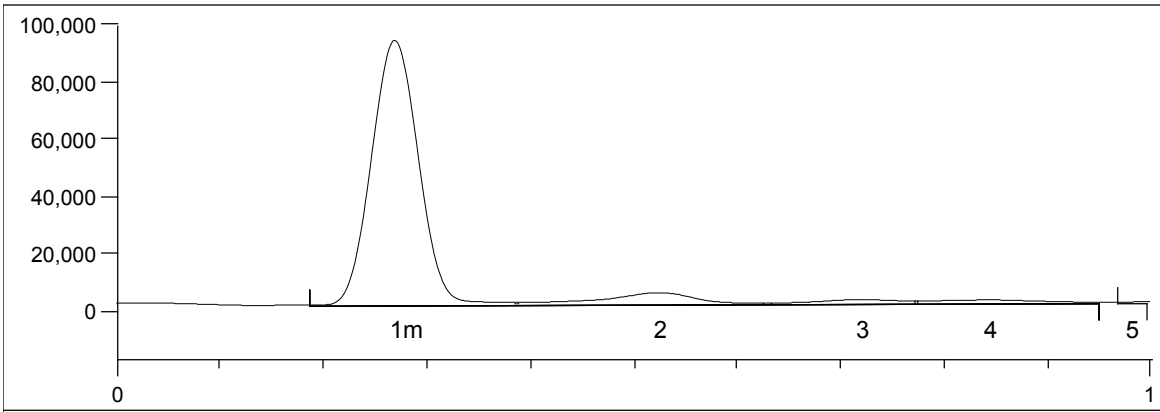
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
52		S	1411043-17		1	1,102,707	5.26	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 3:25 PM

Peak	rt	Area
1m	0.27	392,235
2	0.52	158,323
3	0.71	6,414
4	0.86	25,023
5	0.98	-76

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
53		S	1411043-18		1m	392,235	1.79	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 3:29 PM

Peak	rt	Area
1m	0.26	2,906,648
2	0.52	226,907
3	0.72	64,616
4	0.84	63,478
5	0.98	-11

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
54		S	1411043-19		1m	2,906,648	14.1	0.00		< HS	accept
Notes											

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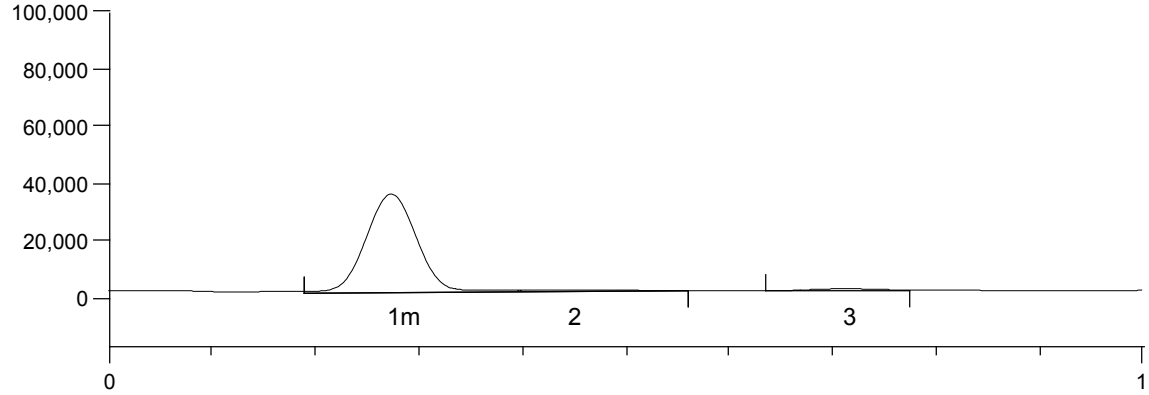
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

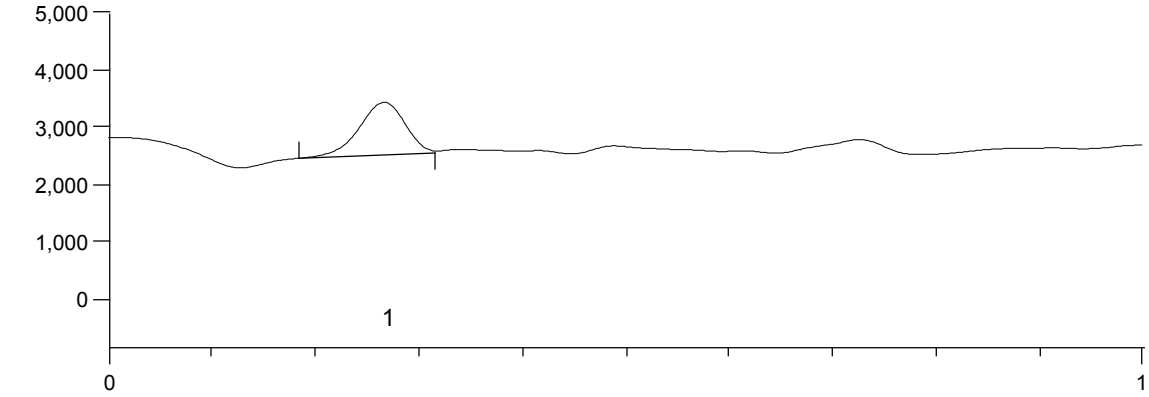
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 3:33 PM

Peak	rt	Area
1m	0.27	1,128,829
2	0.44	22,671
3	0.71	22,353

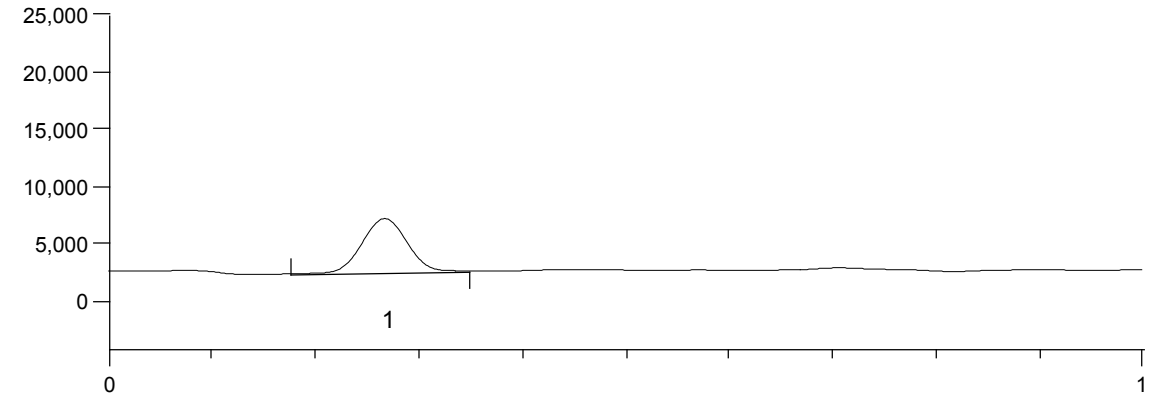
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
55		OPR	SEQ-CCV		1m	1,128,829	5.38		108	80-120	accept
Notes											



Date: 3/27/14
Time: 3:37 PM

Peak	rt	Area
1	0.26	27,234

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
56		CCB	SEQ-CCB		1	27,234	0.133		0.133	< 0.4	accept
Notes											



Date: 3/27/14
Time: 3:41 PM

Peak	rt	Area
1	0.26	140,287

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
57		S	1411038-01		1	140,287	0.560	0.00		< HS	accept
Notes											

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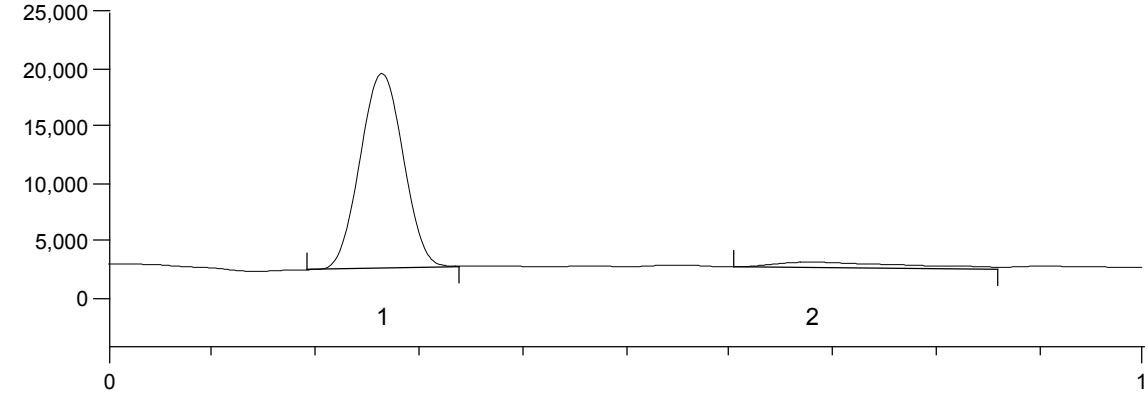
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

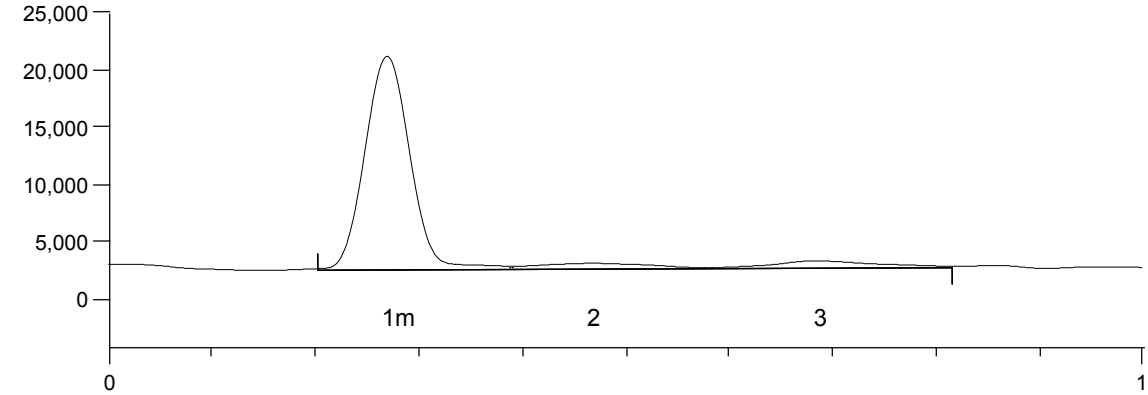
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 3:45 PM

Peak	rt	Area
1	0.26	494,634
2	0.68	31,491

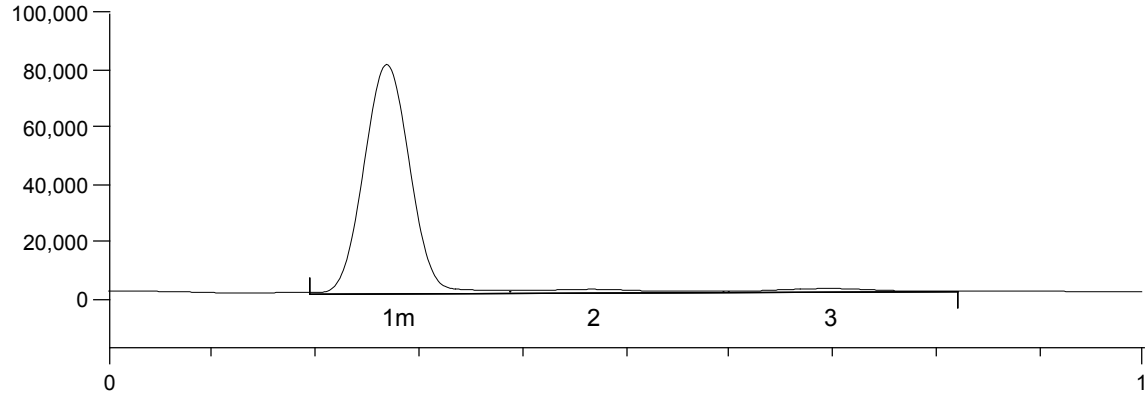
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
58		S	1411038-01RE1		1	494,634	2.29	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 3:49 PM

Peak	rt	Area
1m	0.26	554,096
2	0.46	24,527
3	0.68	30,891

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
59		S	B140443-DUP3		1m	554,096	2.58	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 3:53 PM

Peak	rt	Area
1m	0.26	2,439,518
2	0.46	59,455
3	0.69	58,308

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
60		S	B140443-MS3		1m	2,439,518	11.8	0.00		< HS	accept
Notes											

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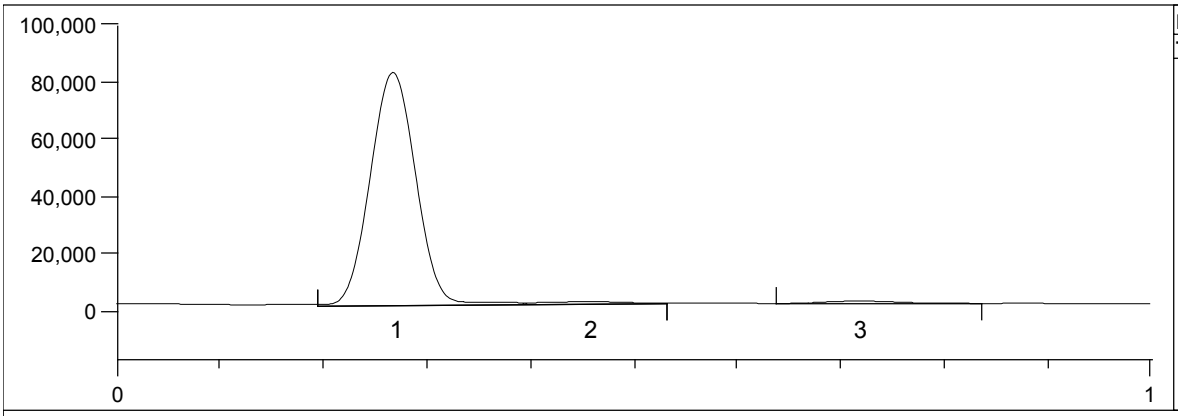
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

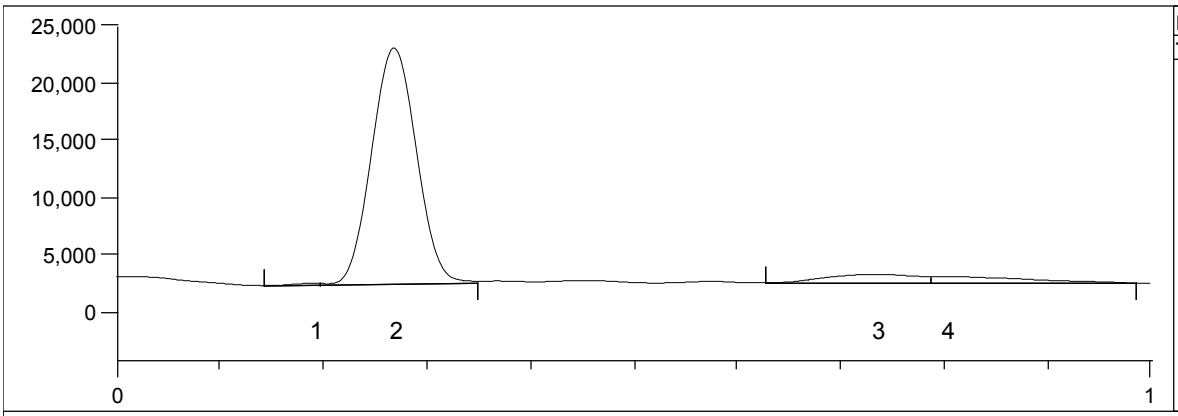
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 3:56 PM

Peak	rt	Area
1	0.26	2,455,614
2	0.45	32,613
3	0.71	39,876

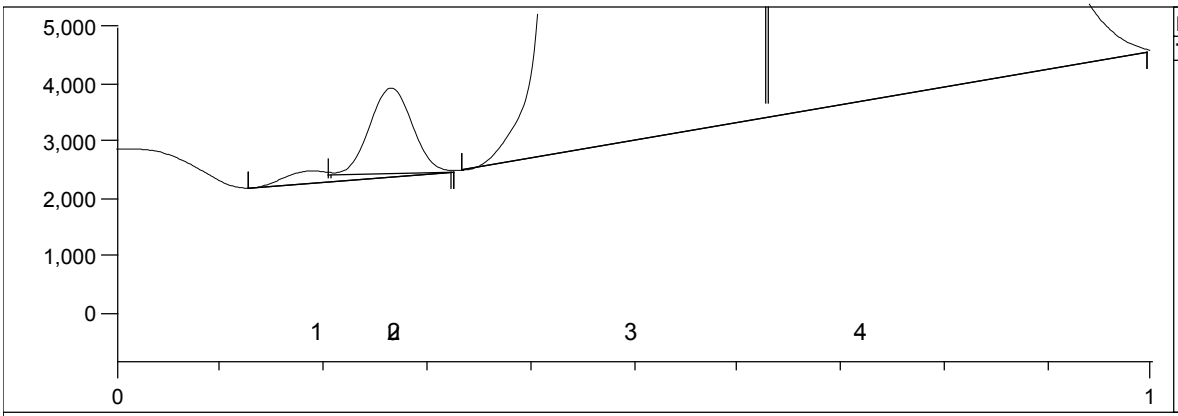
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
61		S	B140443-MSD3		1	2,455,614	11.9	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 4:00 PM

Peak	rt	Area
1	0.19	2,267
2	0.26	613,788
3	0.73	47,632
4	0.80	36,849

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
62		S	1411038-02		2	613,788	2.87	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 4:04 PM

Peak	rt	Area
1	0.19	6,173
2	0.26	45,982
3	0.49	11,718,467
4	0.71	1,745,138
u	0.26	40,758

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
63		S	1412014-01		u	40,758	0.0742	0.00		< HS	accept
Notes											

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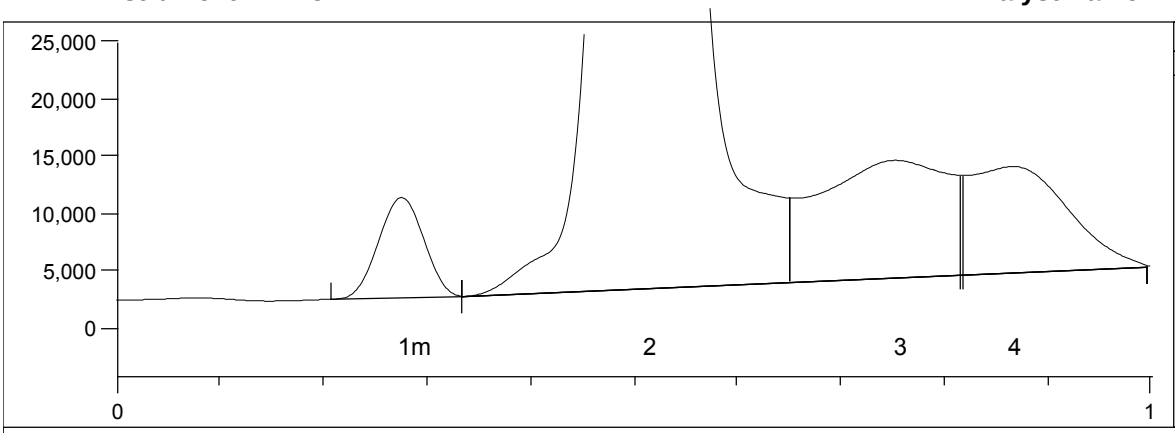
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

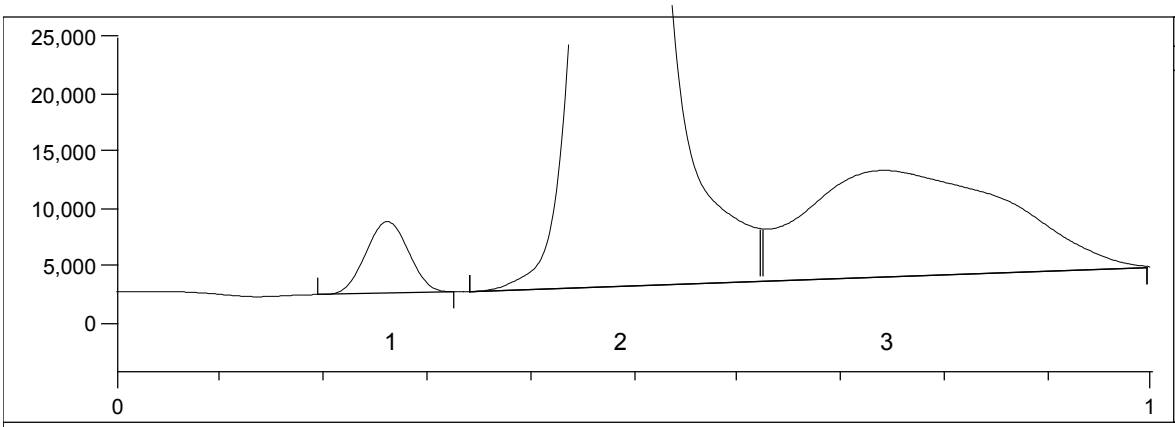
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 4:08 PM

Peak	rt	Area
1m	0.27	266,839
2	0.51	8,310,173
3	0.75	900,754
4	0.86	594,571

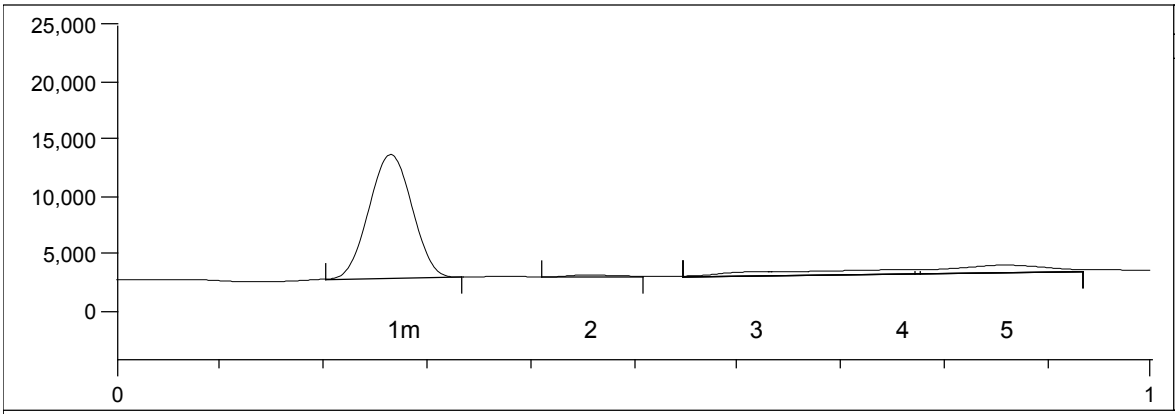
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
64		S	1412026-01		1m	266,839	1.18	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 4:12 PM

Peak	rt	Area
1	0.26	179,800
2	0.48	4,819,448
3	0.74	1,271,531

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
65		S	1412026-02		1	179,800	0.753	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 4:16 PM

Peak	rt	Area
1m	0.26	312,975
2	0.45	4,452
3	0.61	8,535
4	0.75	20,922
5	0.86	29,097

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
66		S	1412036-01		1m	312,975	1.40	0.00		< HS	accept
Notes											

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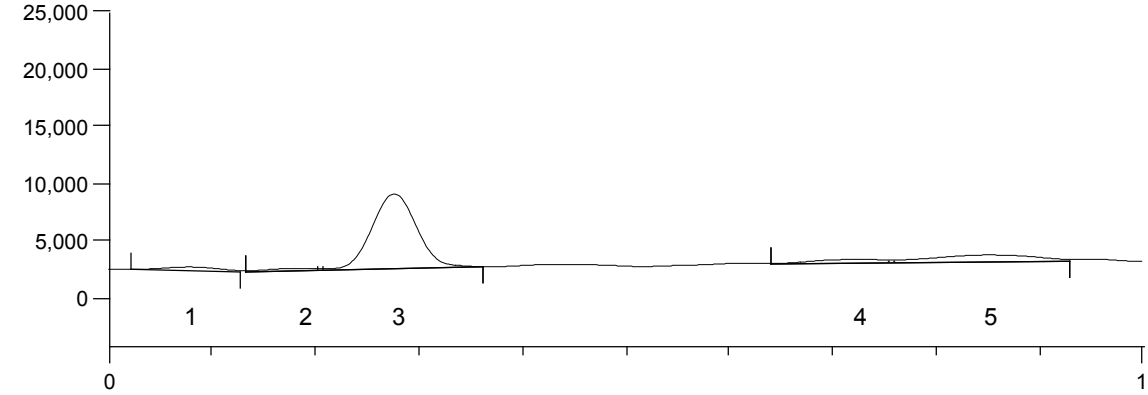
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

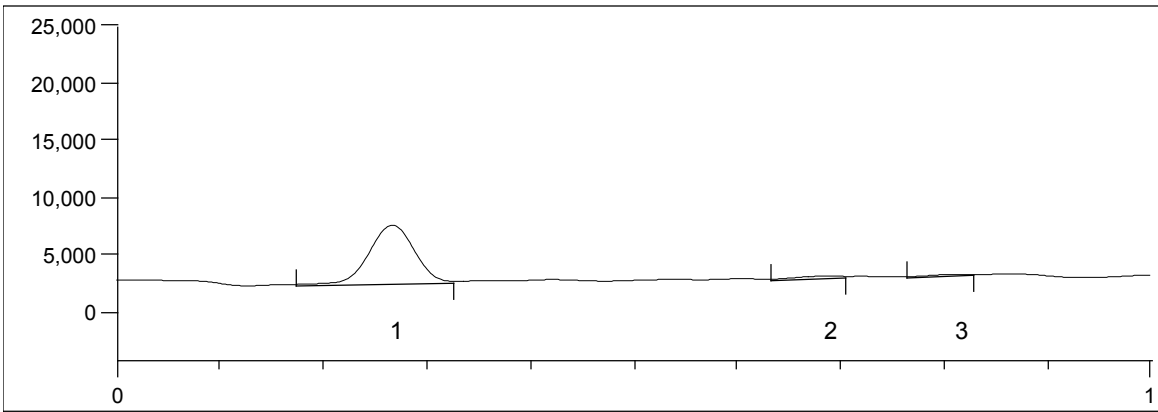
Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 4:20 PM

Peak	rt	Area
1	0.07	8,887
2	0.18	3,628
3	0.27	194,559
4	0.72	11,715
5	0.85	30,811

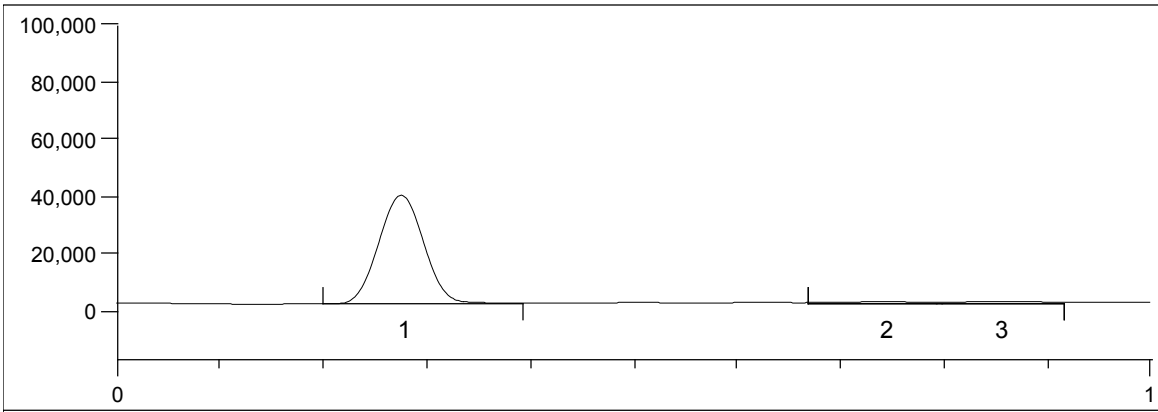
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
67		S	1412042-01		3	194,559	0.825	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 4:24 PM

Peak	rt	Area
1	0.26	146,893
2	0.68	2,707
3	0.81	1,572

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
68		S	1412045-01		1	146,893	0.592	0.00		< HS	accept
Notes											



Date: 3/27/14
Time: 4:28 PM

Peak	rt	Area
1	0.27	1,143,760
2	0.74	9,682
3	0.85	11,105

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
69		OPR	SEQ-CCV		1	1,143,760	5.46		109	80-120	accept
Notes											

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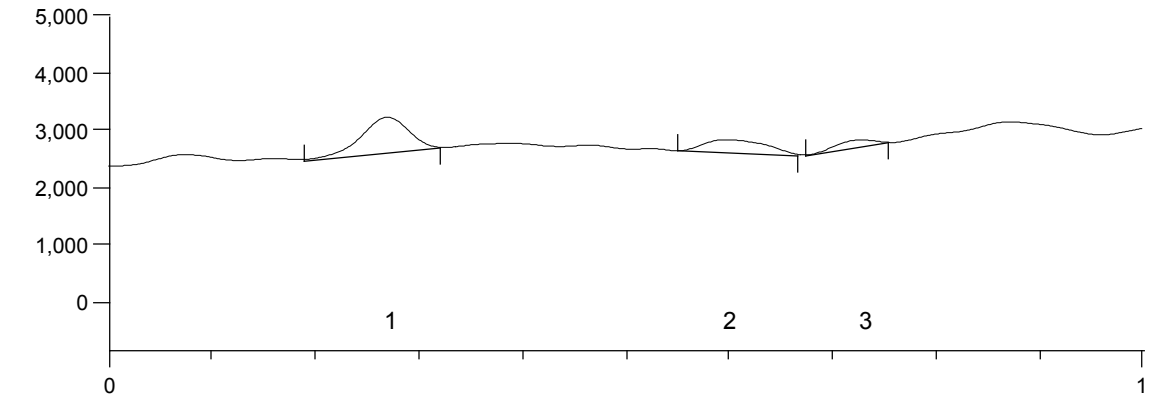
Peak Report

Batch Number: B140443
Method Number: BR-0021

Project Number(s): 1400254
Instrument ID: HGAA2

Date Analyzed: 3/27/14
Analyst Name: IRJ



Date: 3/27/14
Time: 4:32 PM

Peak	rt	Area
1	0.27	19,283
2	0.59	9,112
3	0.72	3,419

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
70		CCB	SEQ-CCB		1	19,283	0.0941		0.0941	< 0.4	accept
Notes											

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ANALYSIS SEQUENCE

1400255

Brooks Rand Labs

Instrument: THG-11

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400255-IBL1	1400255	QC	1		-			
1400255-IBL2	1400255	QC	2		-			
1400255-IBL3	1400255	QC	3		-			
1400255-IBL4	1400255	QC	4		-			
1400255-CAL1	1400255	QC	5	1411004	-			
1400255-CAL2	1400255	QC	6	1411005	-			
1400255-CAL3	1400255	QC	7	1411006	-			
1400255-CAL4	1400255	QC	8	1411007	-			
1400255-CAL5	1400255	QC	9	1411008	-			
1400255-CAL6	1400255	QC	10	1411009	-			
1400255-ICV1	1400255	QC	11	1411010	-			
B140493-SRM1	B140493	QC	12		-			
B140472-SRM1	B140472	QC	13		-			
1400255-CCB1	1400255	QC	14		-			
1400255-CCV1	1400255	QC	15	1411011	-			
1400255-CCB3	1400255	QC	16		-			
1400255-CCB2	1400255	QC	17		-			
1400255-CCB4	1400255	QC	18		-			
1410034-43RE2	B140380	Hg-W-BrCl-MERX-TR-old	19			SFE-OA1202	4/14/2014	Added 3/31/2014 by AAP
1410034-43RE3	B140380	Hg-W-BrCl-MERX-TR-old	20			SFE-OA1202	4/14/2014	Added 3/31/2014 by AAP
1411052-02RE1	B140442	Hg-W-BrCl-MERX-TR-old	21			TRC-WD1201	3/26/2014	Added 3/31/2014 by AAP
1411052-03RE1	B140442	Hg-W-BrCl-MERX-TR-old	22			TRC-WD1201	3/26/2014	Added 3/31/2014 by AAP
1400255-CCV2	1400255	QC	23	1411011	-			
1400255-CCB5	1400255	QC	24		-			
B140386-BSE	B140386	QC	25		-			
B140386-BSF	B140386	QC	26		-			

ANALYSIS SEQUENCE

1400255

Brooks Rand Labs

Instrument: THG-11

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400255-CCV3	1400255	QC	27	1411011	-			
1400255-CCB6	1400255	QC	28		-			
B140493-BLK1	B140493	QC	29		-			
B140493-BLK2	B140493	QC	30		-			
B140493-BLK3	B140493	QC	31		-			
B140493-BLK4	B140493	QC	32		-			
1412033-01	B140493	Hg-W-BrCl-MERX-TR-old	33			DBE-RK1401	4/11/2014	
1412033-21	B140493	Hg-W-BrCl-MERX-Diss-old	34			DBE-RK1401	4/11/2014	
1412033-23	B140493	Hg-W-BrCl-MERX-TR-old	35			DBE-RK1401	4/11/2014	
1412033-25	B140493	Hg-W-BrCl-MERX-Diss-old	36			DBE-RK1401	4/11/2014	
1412030-02	B140493	Hg-W-BrCl-MERX-TR-old	37			KUC-MA0801	4/1/2014	
1412033-02	B140493	Hg-W-BrCl-MERX-TR-old	38			DBE-RK1401	4/11/2014	
1412033-02	B140493	Hg-W-BrCl-MERX-Diss-old	39			DBE-RK1401	1/1/1980	BatchQC
1400255-CCV4	1400255	QC	40	1411011	-			
1400255-CCB7	1400255	QC	41		-			
1412033-03	B140493	Hg-W-BrCl-MERX-TR-old	42			DBE-RK1401	4/11/2014	
1412033-07	B140493	Hg-W-BrCl-MERX-Diss-old	43			DBE-RK1401	4/11/2014	
1412033-08	B140493	Hg-W-BrCl-MERX-Diss-old	44			DBE-RK1401	4/11/2014	
1412033-09	B140493	Hg-W-BrCl-MERX-Diss-old	45			DBE-RK1401	4/11/2014	
1412033-10	B140493	Hg-W-BrCl-MERX-Diss-old	46			DBE-RK1401	4/11/2014	
1412033-11	B140493	Hg-W-BrCl-MERX-Diss-old	47			DBE-RK1401	4/11/2014	
1412033-12	B140493	Hg-W-BrCl-MERX-Diss-old	48			DBE-RK1401	4/11/2014	
1412033-13	B140493	Hg-W-BrCl-MERX-Diss-old	49			DBE-RK1401	4/11/2014	
1412033-24	B140493	Hg-W-BrCl-MERX-TR-old	50			DBE-RK1401	4/11/2014	
B140493-MS1	B140493	QC	51		1412033-02			
1400255-CCV5	1400255	QC	52	1411011	-			

ANALYSIS SEQUENCE

1400255

Brooks Rand Labs

Instrument: THG-11

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400255-CCB8	1400255	QC	53		-			
B140493-MSD1	B140493	QC	54		1412033-02			
1412033-26	B140493	Hg-W-BrCl-MERX-Diss-old	55			DBE-RK1401	4/11/2014	
1412033-27	B140493	Hg-W-BrCl-MERX-Diss-old	56			DBE-RK1401	4/11/2014	
1412033-28	B140493	Hg-W-BrCl-MERX-Diss-old	57			DBE-RK1401	4/11/2014	
1412033-29	B140493	Hg-W-BrCl-MERX-Diss-old	58			DBE-RK1401	4/11/2014	
1412024-01	B140493	Hg-W-BrCl-MERX-TR-old	59			ICI-SE1301 RMT	4/10/2014	
1412024-02	B140493	Hg-W-BrCl-MERX-TR-old	60			ICI-SE1301 RMT	4/10/2014	
1412024-03	B140493	Hg-W-BrCl-MERX-TR-old	61			ICI-SE1301 RMT	4/10/2014	
1412024-05	B140493	Hg-W-BrCl-MERX-TR-old	62			ICI-SE1301 RMT	4/10/2014	
1412024-07	B140493	Hg-W-BrCl-MERX-TR-old	63			ICI-SE1301 RMT	4/10/2014	
1400255-CCV6	1400255	QC	64	1411011	-			
1400255-CCB9	1400255	QC	65		-			
1412024-09	B140493	Hg-W-BrCl-MERX-TR-old	66			ICI-SE1301 RMT	4/10/2014	
1412024-11	B140493	Hg-W-BrCl-MERX-TR-old	67			ICI-SE1301 RMT	4/10/2014	
1412030-01	B140493	Hg-W-BrCl-MERX-TR-old	68			KUC-MA0801	4/1/2014	
1412030-01	B140493	Hg-W-BrCl-MERX-Diss-old	69			KUC-MA0801	1/1/1980	BatchQC
B140493-MS2	B140493	QC	70		1412030-01			
B140493-MSD2	B140493	QC	71		1412030-01			
1412031-01	B140493	Hg-W-BrCl-MERX-Diss-old	72			MAX-CA1202	4/1/2014	
1412031-02	B140493	Hg-W-BrCl-MERX-TR-old	73			MAX-CA1202	4/1/2014	
1412031-02	B140493	Hg-W-BrCl-MERX-Diss-old	74			MAX-CA1202	1/1/1980	BatchQC
B140493-MS3	B140493	QC	75		1412031-02			
B140493-MSD3	B140493	QC	76		1412031-02			
1412034-01	B140493	Hg-W-BrCl-MERX-TR-old	77			JCOR-EWQP-201	4/1/2014	
1400255-CCV7	1400255	QC	78	1411011	-			

ANALYSIS SEQUENCE

1400255

Brooks Rand Labs

Instrument: THG-11

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400255-CCBA	1400255	QC	79		-			
B140493-MS4	B140493	QC	80		1412034-01			
B140493-MSD4	B140493	QC	81		1412034-01			
1412034-02	B140493	Hg-W-BrCl-MERX-TR-old	82			JCOR-EWQP-201	4/1/2014	
1412034-03	B140493	Hg-W-BrCl-MERX-TR-old	83			JCOR-EWQP-201	4/1/2014	
1412034-04	B140493	Hg-W-BrCl-MERX-TR-old	84			JCOR-EWQP-201	4/1/2014	
1412034-05	B140493	Hg-W-BrCl-MERX-TR-old	85			JCOR-EWQP-201	4/1/2014	
1412034-06	B140493	Hg-W-BrCl-MERX-TR-old	86			JCOR-EWQP-201	4/1/2014	
1412034-07	B140493	Hg-W-BrCl-MERX-TR-old	87			JCOR-EWQP-201	4/1/2014	
1412035-01	B140493	Hg-W-BrCl-MERX-TR-old	88			YWQP-2014(Y12	4/4/2014	
1412035-03	B140493	Hg-W-BrCl-MERX-TR-old	89			YWQP-2014(Y12	4/4/2014	
1400255-CCV8	1400255	QC	90	1411011	-			
1400255-CCBB	1400255	QC	91		-			
B140472-BLK1	B140472	QC	92		-			
B140472-BLK2	B140472	QC	93		-			
B140472-BLK3	B140472	QC	94		-			
B140472-BLK4	B140472	QC	95		-			
1412016-04	B140472	Hg-W-BrCl-MERX-TR-old	96			EPR-PA1401	3/31/2014	
1412015-01	B140472	Hg-W-BrCl-MERX-TR-old	97			MAX-CA1202	3/31/2014	
1412015-02	B140472	Hg-W-BrCl-MERX-Diss-old	98			MAX-CA1202	3/31/2014	
1412016-02	B140472	Hg-W-BrCl-MERX-TR-old	99			EPR-PA1401	3/31/2014	
1412016-03	B140472	Hg-W-BrCl-MERX-Diss-old	100			EPR-PA1401	3/31/2014	
1412016-09	B140472	Hg-W-BrCl-MERX-TR-old	101			EPR-PA1401	3/31/2014	
1400255-CCV9	1400255	QC	102	1411011	-			
1400255-CCBC	1400255	QC	103		-			
1412016-10	B140472	Hg-W-BrCl-MERX-Diss-old	104			EPR-PA1401	3/31/2014	

ANALYSIS SEQUENCE

1400255

Brooks Rand Labs

Instrument: THG-11

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412016-14	B140472	Hg-W-BrCl-MERX-TR-old	105			EPR-PA1401	3/31/2014	
1412016-15	B140472	Hg-W-BrCl-MERX-Diss-old	106			EPR-PA1401	3/31/2014	
1412016-18	B140472	Hg-W-BrCl-MERX-TR-old	107			EPR-PA1401	3/31/2014	
1412016-19	B140472	Hg-W-BrCl-MERX-Diss-old	108			EPR-PA1401	3/31/2014	
1412016-22	B140472	Hg-W-BrCl-MERX-TR-old	109			EPR-PA1401	3/31/2014	
1412016-23	B140472	Hg-W-BrCl-MERX-Diss-old	110			EPR-PA1401	3/31/2014	
1412016-26	B140472	Hg-W-BrCl-MERX-TR-old	111			EPR-PA1401	3/31/2014	
1412016-27	B140472	Hg-W-BrCl-MERX-Diss-old	112			EPR-PA1401	3/31/2014	
1412016-30	B140472	Hg-W-BrCl-MERX-Diss-old	113			EPR-PA1401	3/31/2014	
1400255-CCVA	1400255	QC	114	1411011	-			
1400255-CCBD	1400255	QC	115		-			
1412016-32	B140472	Hg-W-BrCl-MERX-Diss-old	116			EPR-PA1401	3/31/2014	
1412016-35	B140472	Hg-W-BrCl-MERX-TR-old	117			EPR-PA1401	3/31/2014	
1412016-37	B140472	Hg-W-BrCl-MERX-TR-old	118			EPR-PA1401	3/31/2014	
1412016-39	B140472	Hg-W-BrCl-MERX-TR-old	119			EPR-PA1401	3/31/2014	
1412016-41	B140472	Hg-W-BrCl-MERX-TR-old	120			EPR-PA1401	3/31/2014	
1412016-43	B140472	Hg-W-BrCl-MERX-TR-old	121			EPR-PA1401	3/31/2014	
1412016-45	B140472	Hg-W-BrCl-MERX-TR-old	122			EPR-PA1401	3/31/2014	
1412017-01	B140472	Hg-W-BrCl-MERX-TR-old	123			MAX-CA1202	3/31/2014	
1412017-01RE3	B140472	Hg-W-BrCl-MERX-Diss-old	124			MAX-CA1202	1/1/1980	Added 4/8/2014 by BJT
1412017-01	B140472	Hg-W-BrCl-MERX-Diss-old	125			MAX-CA1202	1/1/1980	BatchQC
B140472-MS1	B140472	QC	126		1412017-01			
B140472-MSD1	B140472	QC	127		1412017-01			
1400255-CCVB	1400255	QC	128	1411011	-			
1400255-CCBE	1400255	QC	129		-			
1412017-02	B140472	Hg-W-BrCl-MERX-Diss-old	130			MAX-CA1202	3/31/2014	

ANALYSIS SEQUENCE

1400255

Brooks Rand Labs

Instrument: THG-11

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412018-01	B140472	Hg-W-BrCl-MERX-TR-old	131			MAX-CA1202	3/31/2014	
1412018-02	B140472	Hg-W-BrCl-MERX-Diss-old	132			MAX-CA1202	3/31/2014	
1412019-01	B140472	Hg-W-BrCl-MERX-TR-old	133			MAX-CA1202	3/31/2014	
1412019-01	B140472	Hg-W-BrCl-MERX-Diss-old	134			MAX-CA1202	1/1/1980	BatchQC
B140472-MS2	B140472	QC	135		1412019-01			
B140472-MSD2	B140472	QC	136		1412019-01			
1412019-02	B140472	Hg-W-BrCl-MERX-Diss-old	137			MAX-CA1202	3/31/2014	
1412020-01	B140472	Hg-W-BrCl-MERX-TR-old	138			MAX-CA1202	3/31/2014	
1412020-02	B140472	Hg-W-BrCl-MERX-Diss-old	139			MAX-CA1202	3/31/2014	
1412029-01	B140472	Hg-W-BrCl-MERX-TR-old	140			R-XWQP-2014--3	4/3/2014	
1400255-CCVC	1400255	QC	141	1411011	-			
1400255-CCBF	1400255	QC	142		-			
1412029-02	B140472	Hg-W-BrCl-MERX-TR-old	143			R-XWQP-2014--3	4/3/2014	
1412029-03	B140472	Hg-W-BrCl-MERX-TR-old	144			R-XWQP-2014--3	4/3/2014	
1412029-03	B140472	Hg-W-BrCl-MERX-Diss-old	145			R-XWQP-2014--3	1/1/1980	BatchQC
B140472-MS3	B140472	QC	146		1412029-03			
B140472-MSD3	B140472	QC	147		1412029-03			
1412029-04	B140472	Hg-W-BrCl-MERX-TR-old	148			R-XWQP-2014--3	4/3/2014	
1412029-05	B140472	Hg-W-BrCl-MERX-TR-old	149			R-XWQP-2014--3	4/3/2014	
1412029-06	B140472	Hg-W-BrCl-MERX-TR-old	150			R-XWQP-2014--3	4/3/2014	
1412029-07	B140472	Hg-W-BrCl-MERX-TR-old	151			R-XWQP-2014--3	4/3/2014	
1412029-07	B140472	Hg-W-BrCl-MERX-Diss-old	152			R-XWQP-2014--3	1/1/1980	BatchQC
B140472-MS4	B140472	QC	153		1412029-07			
B140472-MSD4	B140472	QC	154		1412029-07			
1400255-CCVD	1400255	QC	155	1411011	-			
1400255-CCBG	1400255	QC	156		-			

ANALYSIS SEQUENCE

1400255

Brooks Rand Labs

Instrument: THG-11

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412029-08	B140472	Hg-W-BrCl-MERX-TR-old	157			R-XWQP-2014--3	4/3/2014	
1400255-CCVE	1400255	QC	158	1411011	-			
1400255-CCBH	1400255	QC	159		-			
B140435-BLK1	B140435	QC	160		-			
B140435-BLK2	B140435	QC	161		-			
B140435-BLK3	B140435	QC	162		-			
B140435-BLK4	B140435	QC	163		-			
B140435-SRM1	B140435	QC	164		-			
1411043-01	B140435	Hg-B-70:30-MERX-CVAFS	165			ARD-MV1302	4/7/2014	
B140435-DUP1	B140435	QC	166		1411043-01			
B140435-MS1	B140435	QC	167		1411043-01			
B140435-MSD1	B140435	QC	168		1411043-01			
1411043-02	B140435	Hg-B-70:30-MERX-CVAFS	169			ARD-MV1302	4/7/2014	
1400255-CCVF	1400255	QC	170	1411011	-			
1400255-CCBI	1400255	QC	171		-			
1411043-03	B140435	Hg-B-70:30-MERX-CVAFS	172			ARD-MV1302	4/7/2014	
1411043-04	B140435	Hg-B-70:30-MERX-CVAFS	173			ARD-MV1302	4/7/2014	
1411043-05	B140435	Hg-B-70:30-MERX-CVAFS	174			ARD-MV1302	4/7/2014	
1411043-06	B140435	Hg-B-70:30-MERX-CVAFS	175			ARD-MV1302	4/7/2014	
1411043-07	B140435	Hg-B-70:30-MERX-CVAFS	176			ARD-MV1302	4/7/2014	
1411043-08	B140435	Hg-B-70:30-MERX-CVAFS	177			ARD-MV1302	4/7/2014	
1411043-09	B140435	Hg-B-70:30-MERX-CVAFS	178			ARD-MV1302	4/7/2014	
B140435-DUP2	B140435	QC	179		1411043-09			
B140435-MS2	B140435	QC	180		1411043-09			
B140435-MSD2	B140435	QC	181		1411043-09			
1400255-CCVG	1400255	QC	182	1411011	-			

ANALYSIS SEQUENCE

1400255

Brooks Rand Labs

Instrument: THG-11

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400255-CCBJ	1400255	QC	183		-			
1411043-10	B140435	Hg-B-70:30-MERX-CVAFS	184			ARD-MV1302	4/7/2014	
1411043-11	B140435	Hg-B-70:30-MERX-CVAFS	185			ARD-MV1302	4/7/2014	
1411043-12	B140435	Hg-B-70:30-MERX-CVAFS	186			ARD-MV1302	4/7/2014	
1411043-13	B140435	Hg-B-70:30-MERX-CVAFS	187			ARD-MV1302	4/7/2014	
1411043-14	B140435	Hg-B-70:30-MERX-CVAFS	188			ARD-MV1302	4/7/2014	
1411043-15	B140435	Hg-B-70:30-MERX-CVAFS	189			ARD-MV1302	4/7/2014	
1411043-16	B140435	Hg-B-70:30-MERX-CVAFS	190			ARD-MV1302	4/7/2014	
1411043-17	B140435	Hg-B-70:30-MERX-CVAFS	191			ARD-MV1302	4/7/2014	
1411043-18	B140435	Hg-B-70:30-MERX-CVAFS	192			ARD-MV1302	4/7/2014	
1411043-19	B140435	Hg-B-70:30-MERX-CVAFS	193			ARD-MV1302	4/7/2014	
1400255-CCVH	1400255	QC	194	1411011	-			
1400255-CCBK	1400255	QC	195		-			
B140461-BLK1	B140461	QC	196		-			
B140461-BLK2	B140461	QC	197		-			
B140461-BLK3	B140461	QC	198		-			
B140461-BLK4	B140461	QC	199		-			
B140461-SRM1	B140461	QC	200		-			
1412013-01	B140461	Hg-B-70:30-MERX-CVAFS	201			UAF-FB1401	4/9/2014	
B140461-DUP1	B140461	QC	202		1412013-01			
B140461-MS1	B140461	QC	203		1412013-01			
B140461-MSD1	B140461	QC	204		1412013-01			
1412013-02	B140461	Hg-B-70:30-MERX-CVAFS	205			UAF-FB1401	4/9/2014	
1400255-CCVI	1400255	QC	206	1411011	-			
1400255-CCBL	1400255	QC	207		-			
1412013-03	B140461	Hg-B-70:30-MERX-CVAFS	208			UAF-FB1401	4/9/2014	

ANALYSIS SEQUENCE

1400255

Brooks Rand Labs

Instrument: THG-11

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412013-04	B140461	Hg-B-70:30-MERX-CVAFS	209			UAF-FB1401	4/9/2014	
1412013-05	B140461	Hg-B-70:30-MERX-CVAFS	210			UAF-FB1401	4/9/2014	
1412013-06	B140461	Hg-B-70:30-MERX-CVAFS	211			UAF-FB1401	4/9/2014	
1412013-07	B140461	Hg-B-70:30-MERX-CVAFS	212			UAF-FB1401	4/9/2014	
1412013-08	B140461	Hg-B-70:30-MERX-CVAFS	213			UAF-FB1401	4/9/2014	
1412013-09	B140461	Hg-B-70:30-MERX-CVAFS	214			UAF-FB1401	4/9/2014	
1412013-10	B140461	Hg-B-70:30-MERX-CVAFS	215			UAF-FB1401	4/9/2014	
1412013-11	B140461	Hg-B-70:30-MERX-CVAFS	216			UAF-FB1401	4/9/2014	
1412013-12	B140461	Hg-B-70:30-MERX-CVAFS	217			UAF-FB1401	4/9/2014	
1400255-CCVJ	1400255	QC	218	1411011	-			
1400255-CCBM	1400255	QC	219		-			
1412013-13	B140461	Hg-B-70:30-MERX-CVAFS	220			UAF-FB1401	4/9/2014	
B140461-DUP2	B140461	QC	221		1412013-13			
B140461-MS2	B140461	QC	222		1412013-13			
B140461-MSD2	B140461	QC	223		1412013-13			
1412013-14	B140461	Hg-B-70:30-MERX-CVAFS	224			UAF-FB1401	4/9/2014	
1412013-15	B140461	Hg-B-70:30-MERX-CVAFS	225			UAF-FB1401	4/9/2014	
1412013-16	B140461	Hg-B-70:30-MERX-CVAFS	226			UAF-FB1401	4/9/2014	
1412013-17	B140461	Hg-B-70:30-MERX-CVAFS	227			UAF-FB1401	4/9/2014	
1412013-18	B140461	Hg-B-70:30-MERX-CVAFS	228			UAF-FB1401	4/9/2014	
1412013-19	B140461	Hg-B-70:30-MERX-CVAFS	229			UAF-FB1401	4/9/2014	
1400255-CCVK	1400255	QC	230	1411011	-			
1400255-CCBN	1400255	QC	231		-			
1410034-43RE4	B140380	Hg-W-BrCl-MERX-TR-old	232			SFE-OA1202	4/14/2014	Added 3/31/2014 by AAP
1410034-43RE5	B140380	Hg-W-BrCl-MERX-TR-old	233			SFE-OA1202	4/14/2014	Added 3/31/2014 by AAP
1411052-02RE2	B140442	Hg-W-BrCl-MERX-TR-old	234			TRC-WD1201	3/26/2014	Added 3/31/2014 by AAP

ANALYSIS SEQUENCE

1400255

Brooks Rand Labs

Instrument: THG-11

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411052-03RE2	B140442	Hg-W-BrCl-MERX-TR-old	235			TRC-WD1201	3/26/2014	Added 3/31/2014 by AAP
1400255-CCVL	1400255	QC	236	1411011	-			
1400255-CCBO	1400255	QC	237		-			

SOP(s)/Rev#(s):BR-002 Rev 01 ~~BR-006 0019~~

THg Analysis Benchsheet: THg MERX-T

Sequence: 1400255 Batches: B140380, 442, 386, 493, 472, 435, 461 CWB 4/1/14

Analyst: AAP Date: 3·28·14 Instrument ID: ~~AJHg/BR~~-11 CWB 4/1/14

3·28·14 AAP

10 ng/mL std ID: 1410072 $SnCl_2$ ID: 1405076

1 ng/mL std ID: 1410073 NH_2OH-HCl ID: 1406076

ICV std ID: 1410074 nce ID: N/A

* all sample volumes are determined volumetrically unless otherwise noted

	Run# / Pos #	BRL Sample ID	Analyze Vol *(mL)	Dilution Factor	Analysis Comments / for spiked QC: Source ID, standard ID, and
	1	Rinse	--		
	2	Rinse	--		
	3	SEQ-IBL1	--		
	4	SEQ-IBL2	--		
	5	SEQ-IBL3	--		
	6	SEQ-IBL4	--		
	7	SEQ-CAL1	0.01		1 ng/mL
	8	SEQ-CAL2	0.025		1 ng/mL
	9	SEQ-CAL3	0.1		1 ng/mL
	10	SEQ-CAL4	0.05		10 ng/mL
	11	SEQ-CAL5	0.25		10 ng/mL
	12	SEQ-CAL6	1		10 ng/mL
	13	SEQ-ICV1	1		NIST 1641d
	14	SEQ-CCB1	--		
	15	SEQ-CCV	0.05		10 ng/mL
	16	SEQ-CCB	--		
	17	SEQ-CCB	--		
	18	SEQ-CCB	--		
	19	1410034-43RE2	25		Rerun from B140380
	20	1410034-43RE3	25		Rerun from B140380
	21	1411052-02RE1	25		Rerun from ~~B~~B140442
	22	1411052-03RE1	25		Rerun from ~~B~~B140442
	23	SEQ-CCV	0.05		10 ng/mL CWB 4/1/14
	24	SEQ-CCB	--		

3·29·14 MP

	25	B140386-BSE	1		Rerun of BS2
	26	B140386-BSF	1		Rerun of BS3
	27	SEQ-CCV	0.05		10 ng/mL
	28	SEQ-CCB	--		
	29	B140493-BLK1	25		
	30	B140493-BLK2	25		
	31	B140493-BLK3	25		
	32	B140493-BLK4	25		
	33	1412033-01	25		
	34	1412033-21	25		
	35	1412033-23	25		
	36	1412033-25	25		
	37	1412030-02	25		
	38	1412033-02	25		
	39	SEQ-CCV	0.05		10 ng/mL
	40	SEQ-CCB	--		
	41	1412033-03	25		
	42	1412033-07	25		
	43	1412033-08	25		
	44	1412033-09	25		
	45	1412033-10	25		
	46	1412033-11	25		
	47	1412033-12	25		
	48	1412033-13	25		

11
2 of 9 3-28-14 AAP

	49	1412033-24	25		
	50	B140493-MS1	25		75µL 1ng/mL
	51	SEQ-CCV	0.05		10 ng/mL
	52	SEQ-CCB	--		
	53	B140493-MSD1	25		75µL 1ng/mL
	54	1412033-26	25		
	55	1412033-27	25		
	56	1412033-28	25		
	57	1412033-29	25		
	58	1412024-01	25		
	59	1412024-02	25		
	60	1412024-03	25		
	61	1412024-05	25		
	62	1412024-07	25		
	63	SEQ-CCV	0.05		10 ng/mL
	64	SEQ-CCB	--		
	65	1412024-09	25		
	66	1412024-11	25		
	67	1412030-01	25		
	68	B140493-MS2	25		180µL 1ng/mL
	69	B140493-MSD2	25		180µL 1ng/mL
	70	1412031-01	25		
	71	1412031-02	25		
	72	B140493-MS3	25		30µL 1ng/mL

	73	B140493-MSD3	25		30µL 1ng/mL
	74	1412034-01	25		
	75	SEQ-CCV	0.05		10 ng/mL
	76	SEQ-CCB	--		
	77	B140493-MS4	25		50µL 10ng/mL
	78	B140493-MSD4	25		50µL 10ng/mL
	79	1412034-02	25		
	80	1412034-03	25		
	81	1412034-04	25		
	82	1412034-05	25		
	83	1412034-06	25		
	84	1412034-07	25		
	85	1412035-01	25		
	86	1412035-03	25		
	87	SEQ-CCV	0.05		10 ng/mL
	88	SEQ-CCB	--		
	89	B140472-BLK1	25		
	90	B140472-BLK2	25		
	91	B140472-BLK3	25		
	92	B140472-BLK4	25		
	93	1412016-04	25		
	94	1412015-01	25		
	95	1412015-02	25		
	96	1412016-02	1		

	97	1412016-03	1		
	98	1412016-09	1		
	99	SEQ-CCV	0.05		10 ng/mL
	100	SEQ-CCB	--		
	101	1412016-10	1		
	102	1412016-14	1		
	103	1412016-15	25		
	104	1412016-18	1		
	105	1412016-19	1		
	106	1412016-22	1		
	107	1412016-23	1		
	108	1412016-26	25		
	109	1412016-27	25		
	110	1412016-30	1		
	111	SEQ-CCV	0.05		10 ng/mL
	112	SEQ-CCB	--		
	113	1412016-32	25		
	114	1412016-35	1		
	115	1412016-37	1		
	116	1412016-39	1		
	117	1412016-41	1		
	118	1412016-43	1		
	119	1412016-45	25		
	120	1412017-01	25		

	121	B140472-MS1	25		35µL 10ng/mL
	122	B140472-MSD1	25		35µL 10ng/mL
	123	SEQ-CCV	0.05		10 ng/mL
	124	SEQ-CCB	--		
	125	1412017-02	25		
	126	1412018-01	25		
	127	1412018-02	25		
	128	1412019-01	25		
	129	B140472-M52	25		25µL 1ng/mL
	130	B140427-MSD2	25		25µL 1ng/mL
	131	1412019-02	25		
	132	1412020-01	25		
	133	1412020-02	25		
	134	1412029-01	25		
	135	SEQ-CCV	0.05		10 ng/mL
	136	SEQ-CCB	--		
	137	1412029-02	25		
	138	1412029-03	25		
	139	B140472-MS3	25		35µL 10ng/mL
	140	B140472-MSD3	25		35µL 10ng/mL
	141	1412029-04	25		
	142	1412029-05	25		
	143	1414029-06	25		
	144	1414029-07	25		

11
6 of ~~12~~ 3·28·14 AP

	145	B140472-MS4	25		75µL 1ng/mL
	146	B140472-MSD4	25		75µL 1ng/mL
	147	SEQ-CCV	0.05		10 ng/mL
	148	SEQ-CCB	--		
	149	1412029-08	25		
	150	SEQ-CCV	0.05		10 ng/mL
	151	SEQ-CCB	--		
	152	B140435-BLK1	1		
	153	B140435-BLK2	1		
	154	B140435-BLK3	1		
	155	B140435-BLK4	1		
	156	B140435-SRM1	1		
	157	1411043-01	1		
	158	B140435-DUP1	1		
	159	B140435-MS1	1		
	160	B140435-MSD1	1		
	161	1411043-02	1		
	162	SEQ-CCV	0.05		10 ng/mL
	163	SEQ-CCB	--		
	164	1411043-03	1		
	165	1411043-04	1		
	166	1411043-05	1		
	167	1411043-06	1		
	168	1411043-07	1		

1	169	1411043-08	1		
2	170	1411043-09	1		
3	171	B140435-DUP2	1		
4	172	B140435-MS2	1		
5	173	B140435-MSD2	1		
6	174	SEQ-CCV	0.05		10 ng/mL
7	175	SEQ-CCB	--		
8	176	1411043-10	1		
9	177	1411043-11	1		
10	178	1411043-12	1		
11	179	1411043-13	1		
12	180	1411043-14	1		
13	181	1411043-15	1		
14	182	1411043-16	1		
15	183	1411043-17	1		
16	184	1411043-18	1		
17	185	1411043-19	1		
18	186	SEQ-CCV	0.05		10 ng/mL
19	187	SEQ-CCB	--		
20	188	B140461-BLK1	1		
21	189	B140461-BLK2	1		
22	190	B140461-BLK3	1		
23	191	B140461-BLK4	1		
24	192	B140461-SRM1	1		

25	193	1412013-01	1		
26	194	B140461-DUP1	1		
27	195	B140461-MS1	1		
28	196	B140461-MSD1	1		
29	197	1412013-02	1		
30	198	SEQ-CCV	0.05		10 ng/mL
31	199	SEQ-CCB	--		
32	200	1412013-03	1		
33	201	1412013-04	1		
34	202	1412013-05	1		
35	203	1412013-06	1		
36	204	1412013-07	1		
37	205	1412013-08	1		
38	206	1412013-09	1		
39	207	1412013-10	1		
40	208	1412013-11	1		
41	209	1412013-12	1		
42	210	SEQ-CCV	0.05		10 ng/mL
43	211	SEQ-CCB	--		
44	212	1412013-13	1		
45	213	B140461-DUP2	1		
46	214	B140461-MS2	1		
47	215	B140461-MSD2	1		
48	216	1412013-14	1		

25	217	1412013-15	1		
26	218	1412013-16	1		
27	219	1412013-17	1		
28	220	1412013-18	1		
29	221	1412013-19	1		
30	222	SEQ-CCV	0.05		10 ng/mL
31	223	SEQ-CCB	--		
32	224	1410034-43RE4	25		
33	225	↓ -43RE5	↓		
34	226	1411052-02RE2	↓		
35	227	↓ -03RE2	↓		
36	228	SEQ-CCV	0.05		10ng/mL
37	229	↓ -CCB	—		
38	230				
39	231				
40	232				
41	233		CWB		
42	234			4/1/14	
43	235				
44	236				
45	237				
46	238				
47	239				
48	240				

49	241				
50	242				
51	243				
52	244				
53	245				
54	246				
55	247				
56	248		CWB		
57	249		4/1/14		
58	250				
59	251				
60	252				
61	253				
62	254				
63	255				
64	256				
65	257				
66	258				
67	259				
68	260				
69	261				
70	262				
71	263				
72	264				

Brooks Rand Labs

THg Biota Prep Benchsheet

SOP / Revision #: BR-0002 Rev 01of

Prepped By: MR

Batch: B140435

Preparation Start Date/Time*: 3.24.14 / 1319

Preparation End Date/Time**: 3.25.14 / 0928

* Time is when the first reagents are added.

** Time is when the last sample is brought upto volume

Sample ID	Sample Mass (g)
1411043-01 QC1	0.9683
1411043-02	1.0258
1411043-03	0.9852
1411043-04	0.9743
1411043-05	1.0316
1411043-06	1.0300
1411043-07	1.0198
1411043-08	1.0317
1411043-09 QC2	1.0641
1411043-10	1.0284
1411043-11	1.0368
1411043-12	0.9698
1411043-13	1.0895
1411043-14	0.9939
* 1411043-15	1.0607
1411043-16	1.0363
1411043-17	1.0567
1411043-18	1.0127
1411043-19	0.9467
B140435-BLK1	—

Sample ID	Sample Mass (g)
B140435-BLK2	—
B140435-BLK3	—
B140435-BLK4	—
B140435-DUP1	1.0637
B140435-DUP2	1.0011
B140435-MS1	1.0387
B140435-MS2	0.9832
B140435-MSD1	1.0900
B140435-MSD2	1.0696
B140435-SRM1	0.2105

Sample ID	Sample Mass (g)

MR 3/24/14

Batch QC ID	Sample Source	Spike vol (uL)	Spike conc (ng/mL)	Spike/CRM ID	Spike Wt.
DUP/MS/MSD1	43-01	500	10	1410072	3/24/14 BJT
DUP/MS/MSD2	43-09	20	1000	1350014	↓
		MR 3/24/14			
SRM1	DORM4	MR 3/24/14		1329003	MR 3/24/14

Target Temp/Time 1: 70 C/1 hour

Target Temp/Time 2: 90-100 C/3 hrs

Temp/Time 1 (measured / corrected): 70 / 69

Temp/Time 2 (measured / corrected): 90 / 89

Balance ID: BL-08

Thermometer ID: PL-13

Final Dilution Vol: 40 mL

Reagent	ID
7 mL HNO_3	1406036
3 mL H_2SO_4	1314029
0.5 mL BrCl	1402004

Comments:

samples weighed out 3/20/14 by BJT stored in walk in freezer.

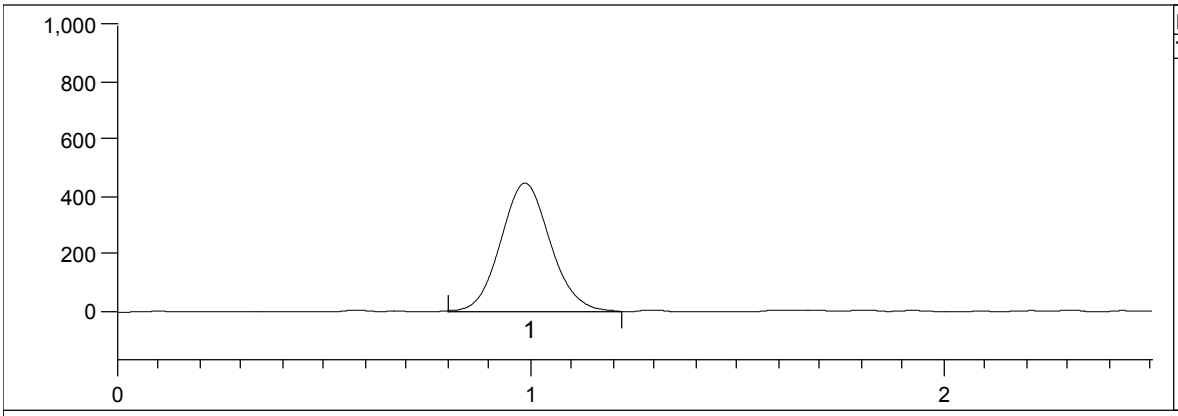
* Sample was brought up to volume a little over 40 mL.

Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

Date Analyzed: 3/28/14
Analyst Name: AAP

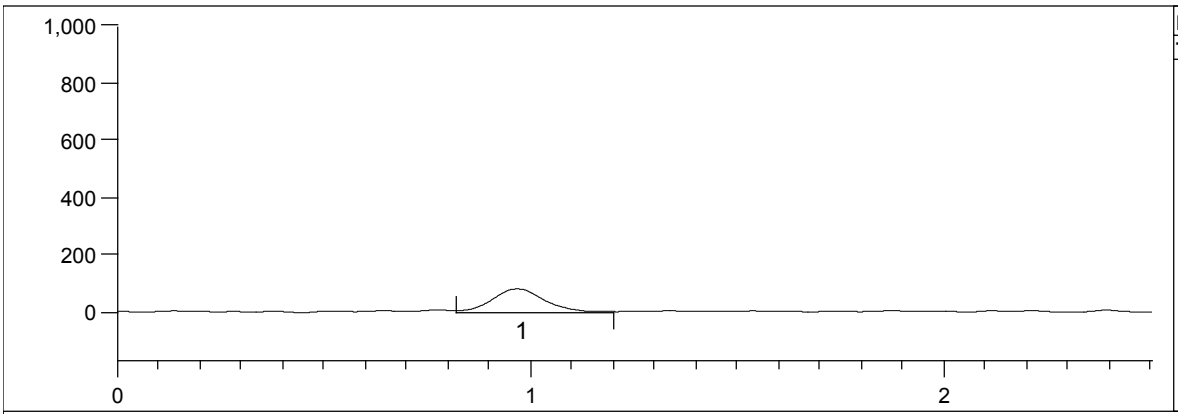


Date: 3/28/14
Time: 9:28 AM

Peak	rt	Area
1	0.98	37,140

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1	X	S	RINSE		1	37,140	1.79	0.00		< HS	accept

Notes

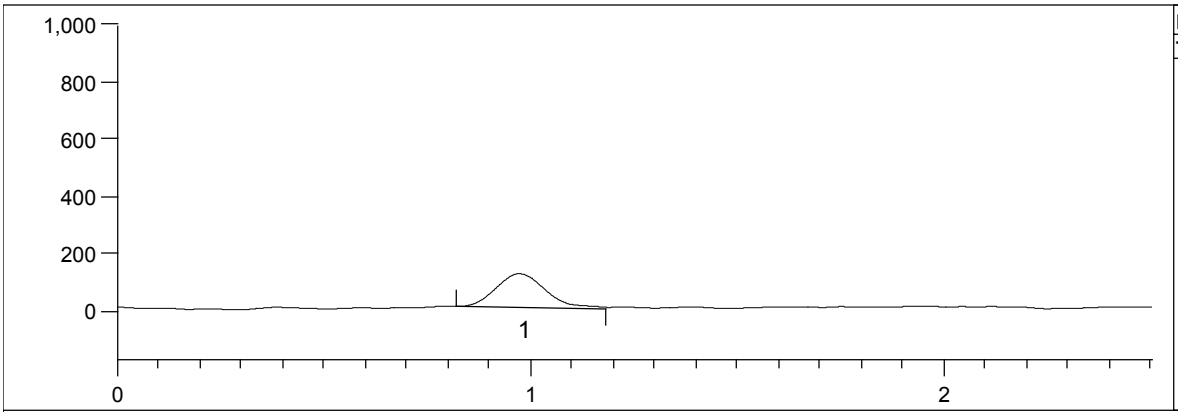


Date: 3/28/14
Time: 9:35 AM

Peak	rt	Area
1	0.96	6,396

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2	Y	S	RINSE		1	6,396	-1.48	0.00		< HS	accept

Notes



Date: 3/28/14
Time: 9:42 AM

Peak	rt	Area
1	0.97	9,326

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3	X	IBL	SEQ-IBL1		1	9,326	0.992		0.992	< 10	accept

Notes

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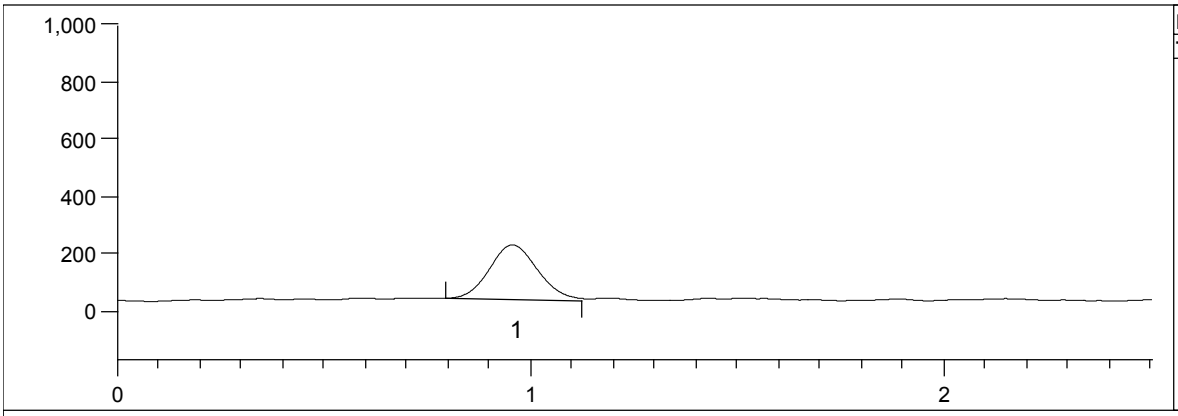
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

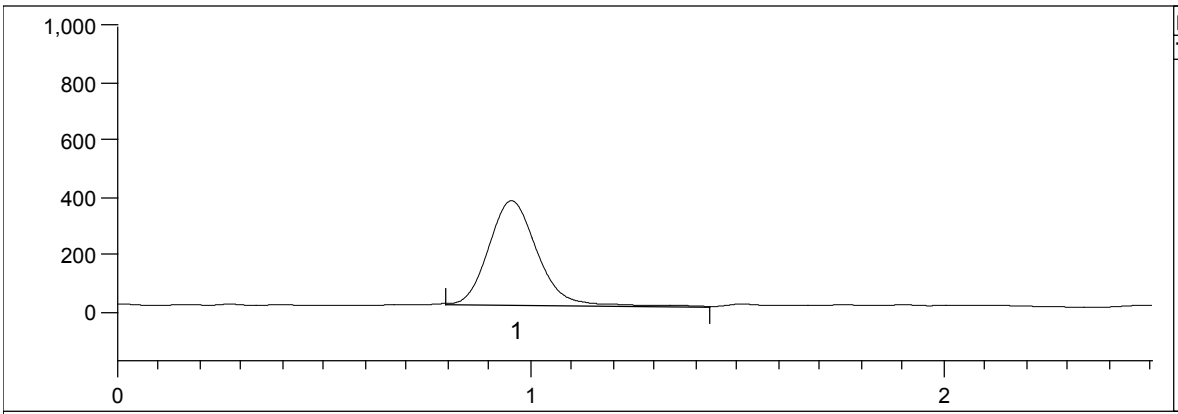
Date Analyzed: 3/28/14
Analyst Name: AAP



Date: 3/28/14
Time: 9:49 AM

Peak	rt	Area
1	0.95	14,820

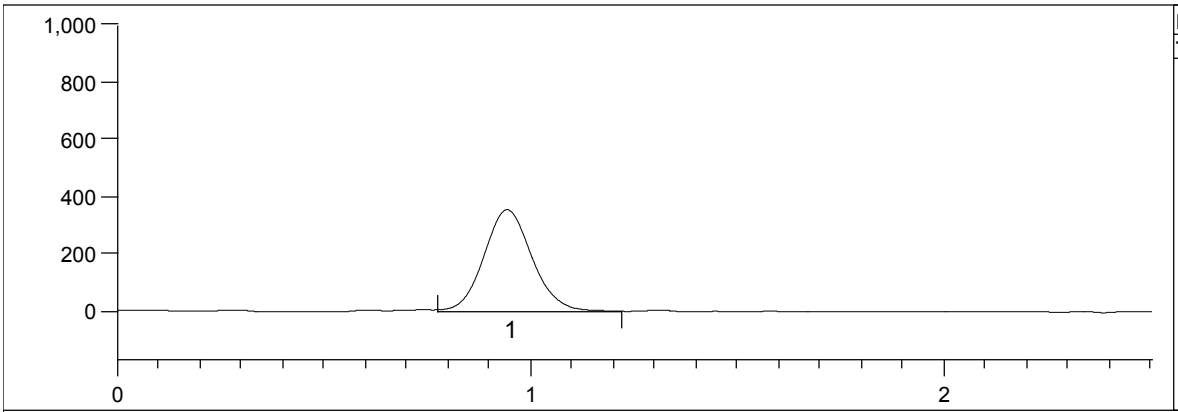
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4	Y	IBL	SEQ-IBL2		1	14,820	1.58		1.58	< 10	accept
Notes											



Date: 3/28/14
Time: 9:56 AM

Peak	rt	Area
1	0.95	29,043

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5	X	IBL	SEQ-IBL3		1	29,043	3.09		3.09	< 10	accept
Notes											



Date: 3/28/14
Time: 10:03 AM

Peak	rt	Area
1	0.94	27,984

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6	Y	IBL	SEQ-IBL4		1	27,984	2.98		2.98	< 10	accept
Notes											

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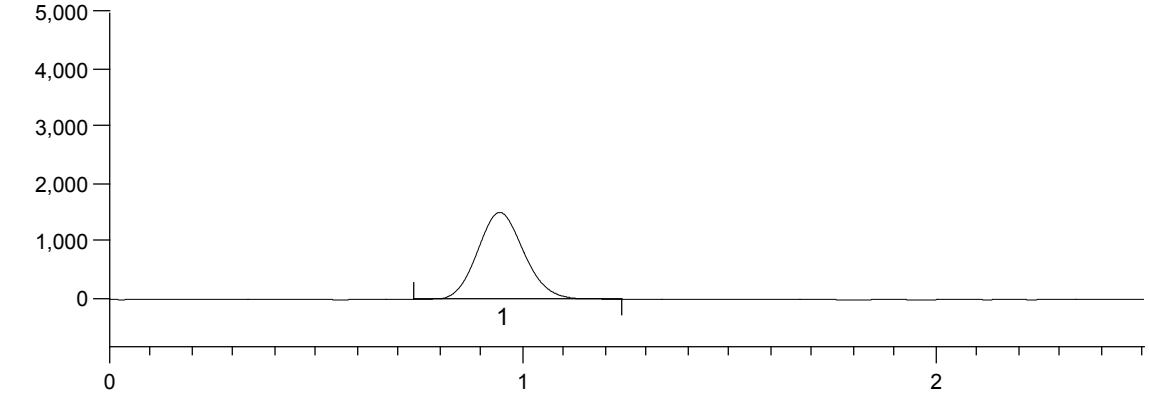
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

Date Analyzed: 3/28/14
Analyst Name: AAP

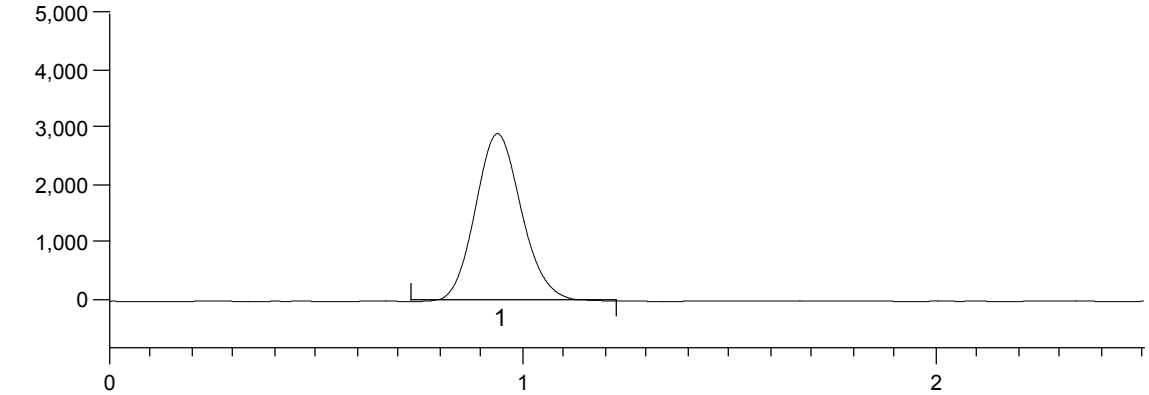


Date: 3/28/14
Time: 10:10 AM

Peak	rt	Area
1	0.94	121,277

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7	X	STD	SEQ-CAL1		1	121,277	10.7		107	75-125	accept

Notes

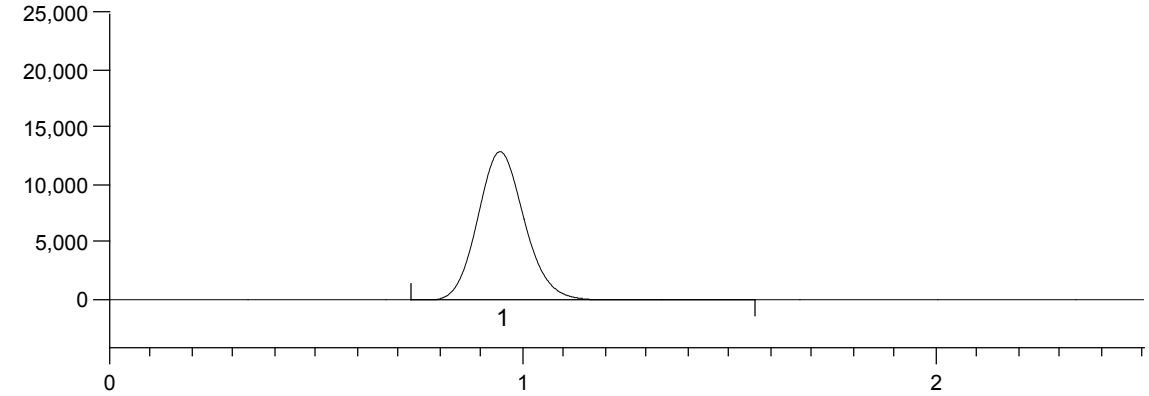


Date: 3/28/14
Time: 10:17 AM

Peak	rt	Area
1	0.93	231,651

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8	Y	STD	SEQ-CAL2		1	231,651	22.5		89.9	75-125	accept

Notes



Date: 3/28/14
Time: 10:24 AM

Peak	rt	Area
1	0.94	1,033,663

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9	X	STD	SEQ-CAL3		1	1,033,663	108		108	75-125	accept

Notes

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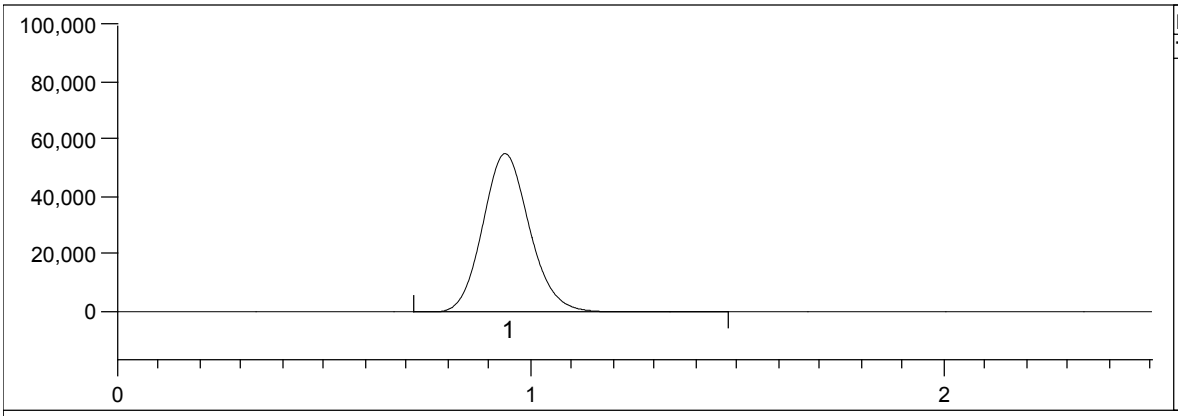
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

Date Analyzed: 3/28/14
Analyst Name: AAP

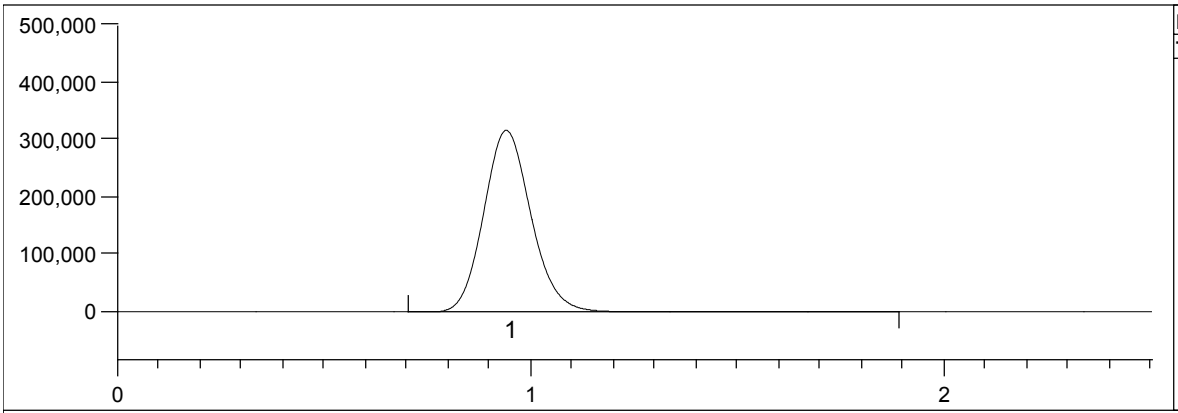


Date: 3/28/14
Time: 10:31 AM

Peak	rt	Area
1	0.93	4,383,890

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10	Y	STD	SEQ-CAL4		1	4,383,890	464		92.8	75-125	accept

Notes

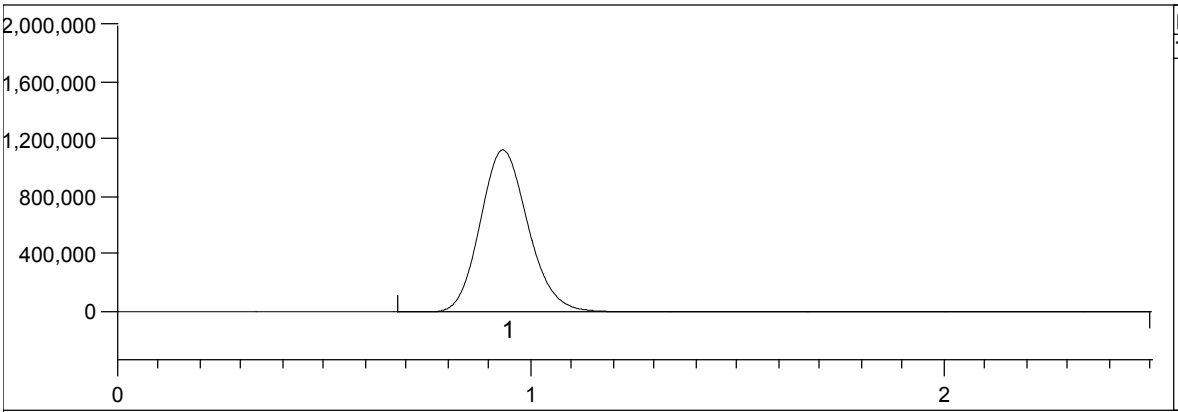


Date: 3/28/14
Time: 10:38 AM

Peak	rt	Area
1	0.94	25,374,173

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11	X	STD	SEQ-CAL5		1	25,374,173	2,700		108	75-125	accept

Notes



Date: 3/28/14
Time: 10:45 AM

Peak	rt	Area
1	0.93	91,846,485

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12	Y	STD	SEQ-CAL6		1	91,846,485	9,770		97.7	75-125	accept

Notes

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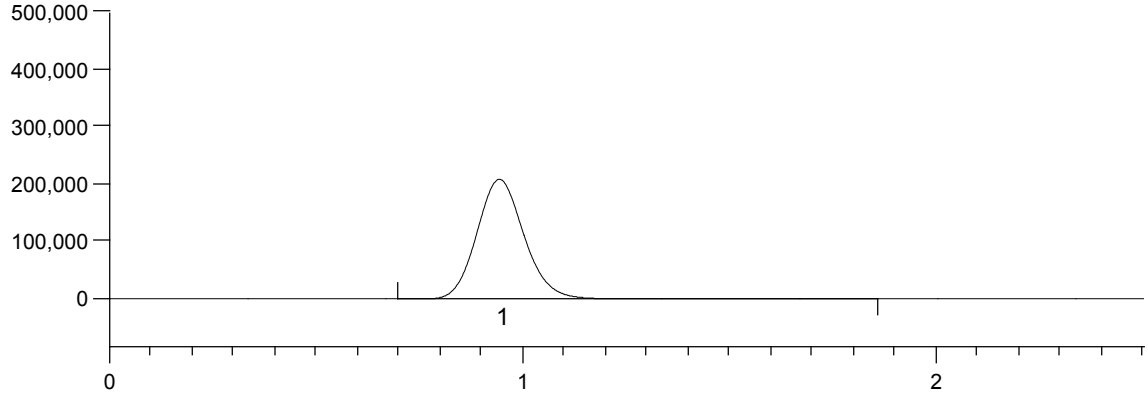
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

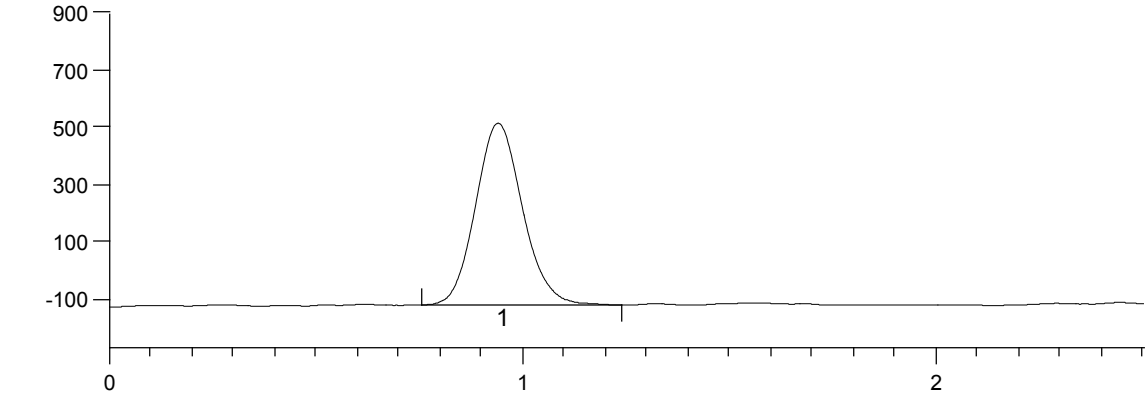
Date Analyzed: 3/28/14
Analyst Name: AAP



Date: 3/28/14
Time: 10:52 AM

Peak	rt	Area
1	0.94	16,691,533

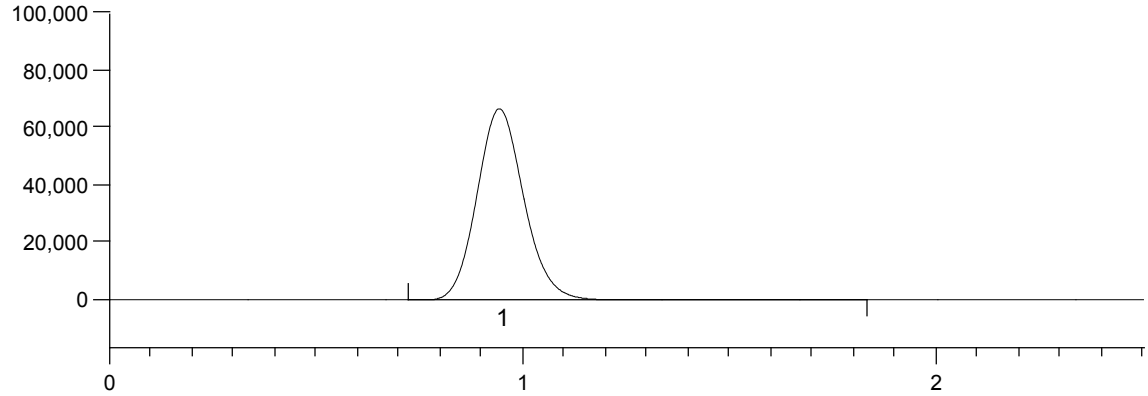
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
13	X	ICV	SEQ-ICV1		1	16,691,533	1,770		113	85-115	accept
Notes											



Date: 3/28/14
Time: 10:59 AM

Peak	rt	Area
1	0.94	50,467

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
14	Y	CCB	SEQ-CCB		1	50,467	5.37		5.37	< 10	accept
Notes											



Date: 3/28/14
Time: 11:06 AM

Peak	rt	Area
1	0.94	5,318,728

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
15	X	CCV	SEQ-CCV		1	5,318,728	563		113	77-123	accept
Notes											

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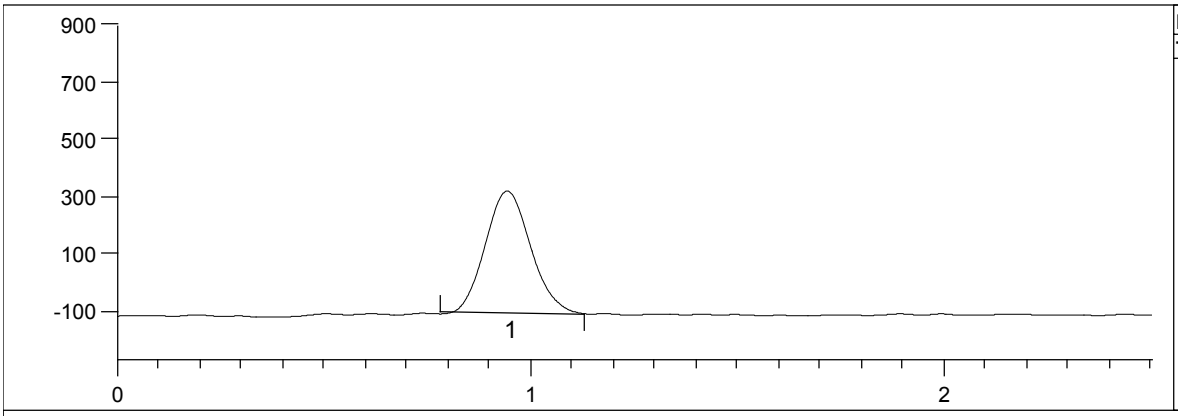
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

Date Analyzed: 3/28/14
Analyst Name: AAP

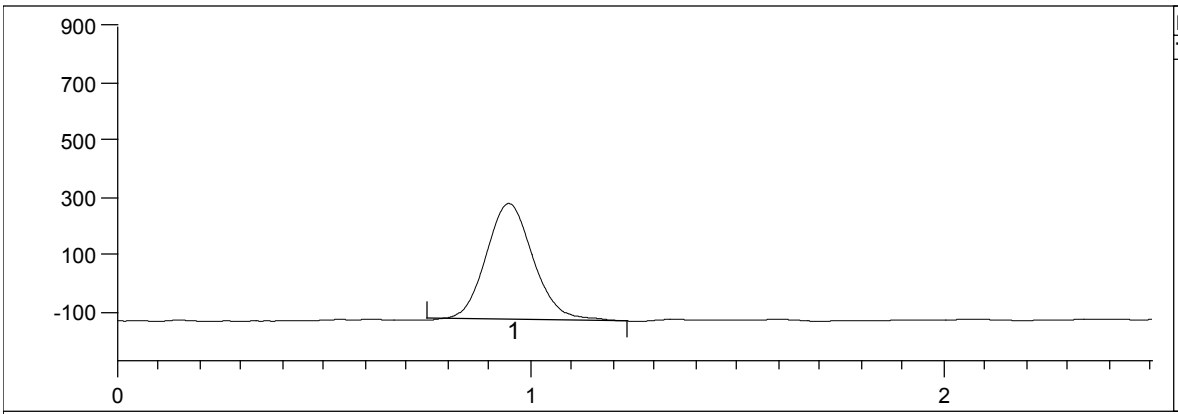


Date: 3/28/14
Time: 11:13 AM

Peak	rt	Area
1	0.94	33,466

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16	Y	CCB	SEQ-CCB		1	33,466	3.56		3.56	< 10	accept

Notes

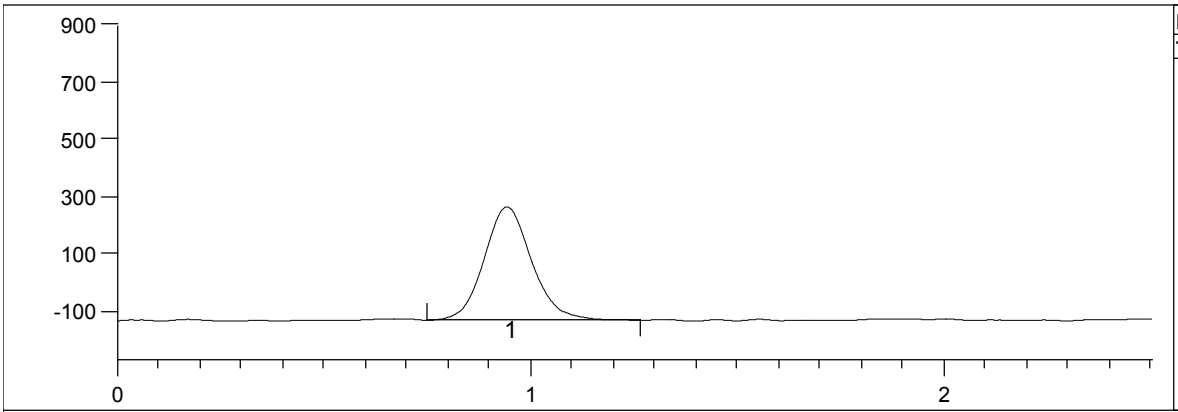


Date: 3/28/14
Time: 11:20 AM

Peak	rt	Area
1	0.94	33,262

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17	X	CCB	SEQ-CCB		1	33,262	3.54		3.54	< 10	accept

Notes



Date: 3/28/14
Time: 11:27 AM

Peak	rt	Area
1	0.94	32,425

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18	Y	CCB	SEQ-CCB		1	32,425	3.45		3.45	< 10	accept

Notes

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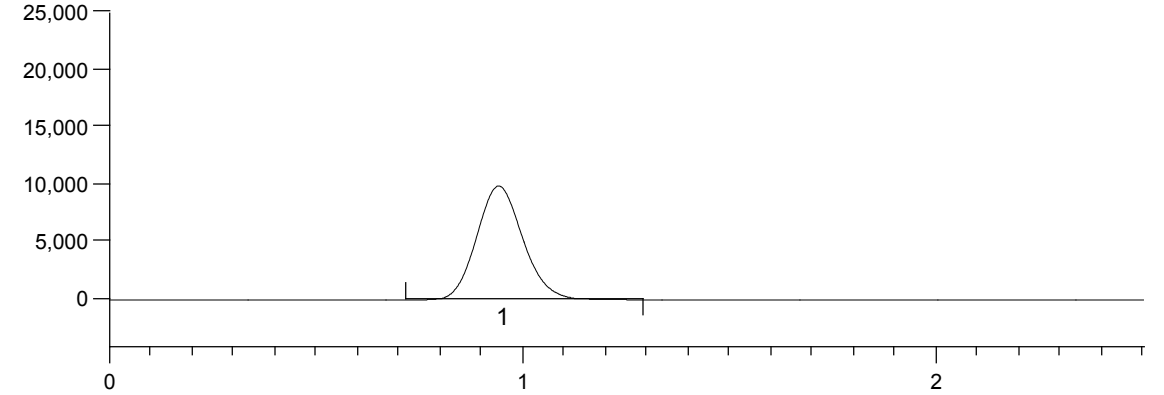
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

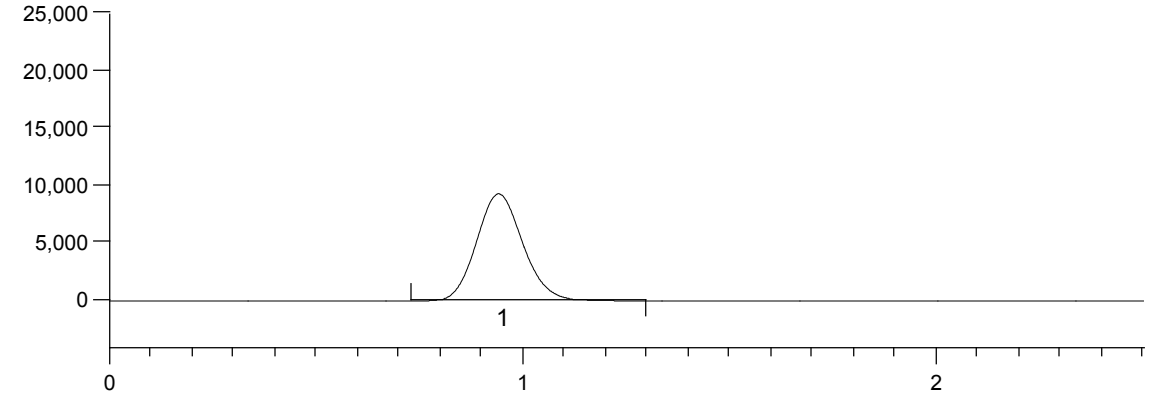
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 11:34 AM

Peak	rt	Area
1	0.94	788,368

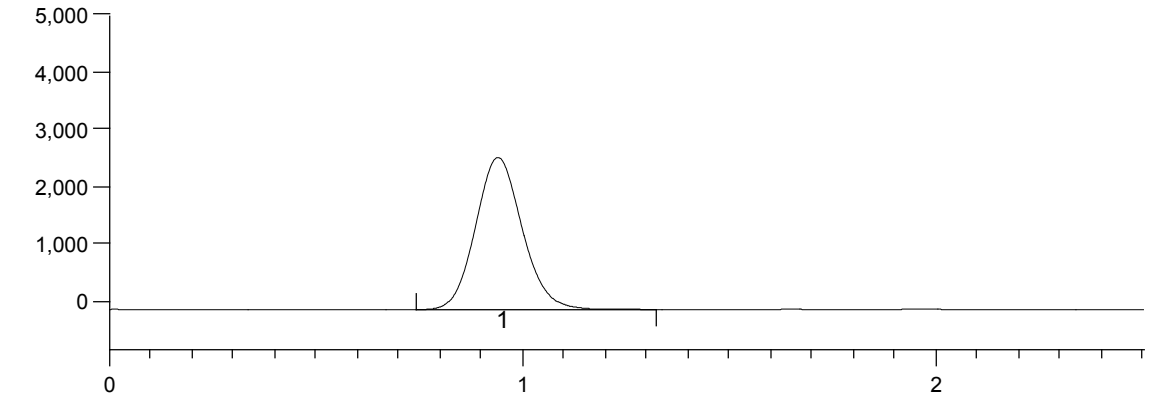
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
19	X	S	1410034-43RE2		1	788,368	81.7	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 11:41 AM

Peak	rt	Area
1	0.94	743,339

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
20	Y	S	1410034-43RE3		1	743,339	76.9	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 11:48 AM

Peak	rt	Area
1	0.94	211,173

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
21	X	S	1411052-02RE1		1	211,173	20.3	0.00		< HS	accept
Notes											

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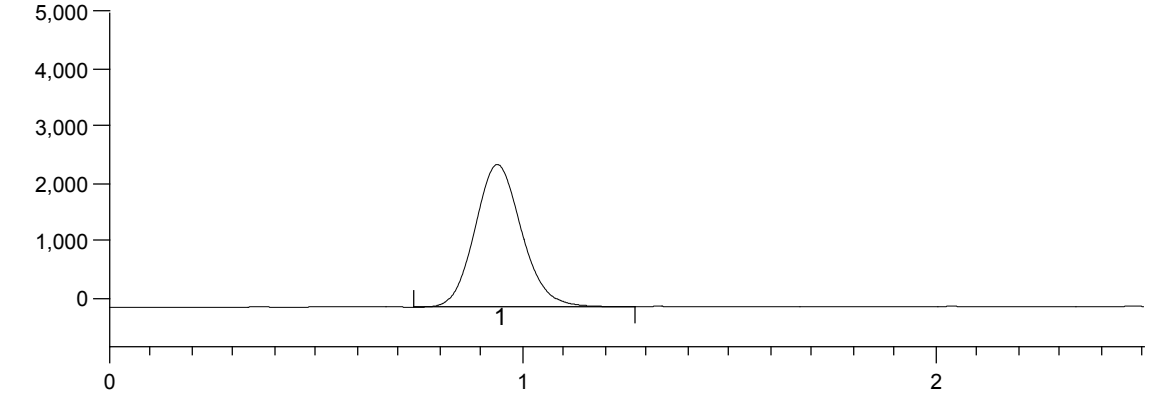
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

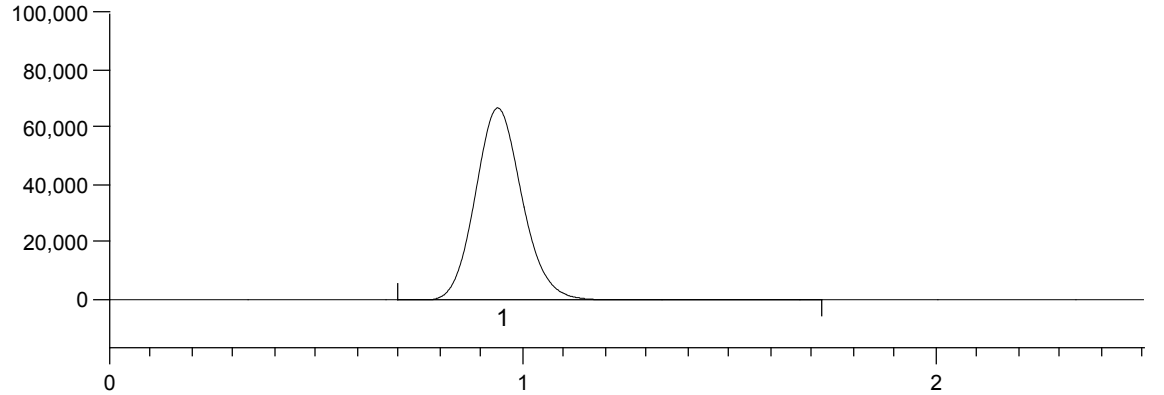
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 11:55 AM

Peak	rt	Area
1	0.93	197,526

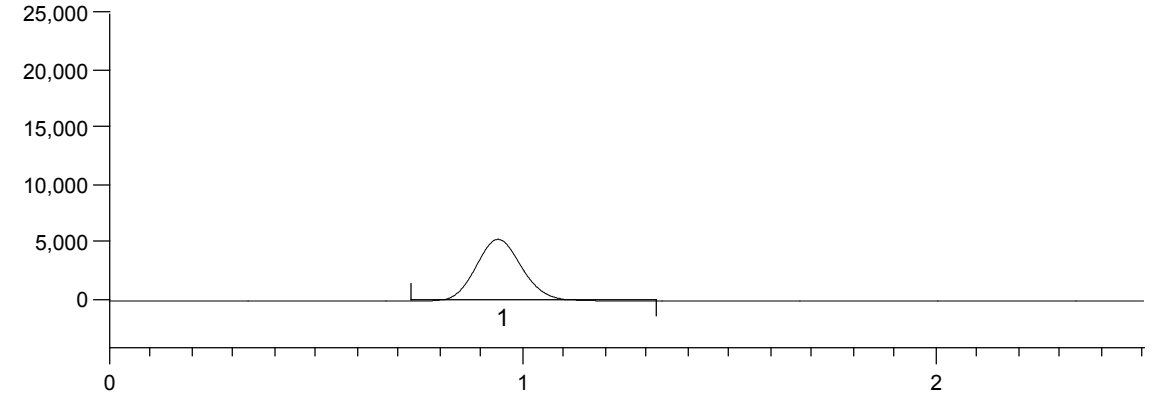
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
22	Y	S	1411052-03RE1		1	197,526	18.8	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 12:02 PM

Peak	rt	Area
1	0.94	5,329,857

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
23	X	CCV	SEQ-CCV		1	5,329,857	565		113	77-123	accept
Notes											



Date: 3/28/14
Time: 12:09 PM

Peak	rt	Area
1	0.94	430,989

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24	Y	CCB	SEQ-CCB		1	430,989	45.8		45.8	< 10	reject
Notes											

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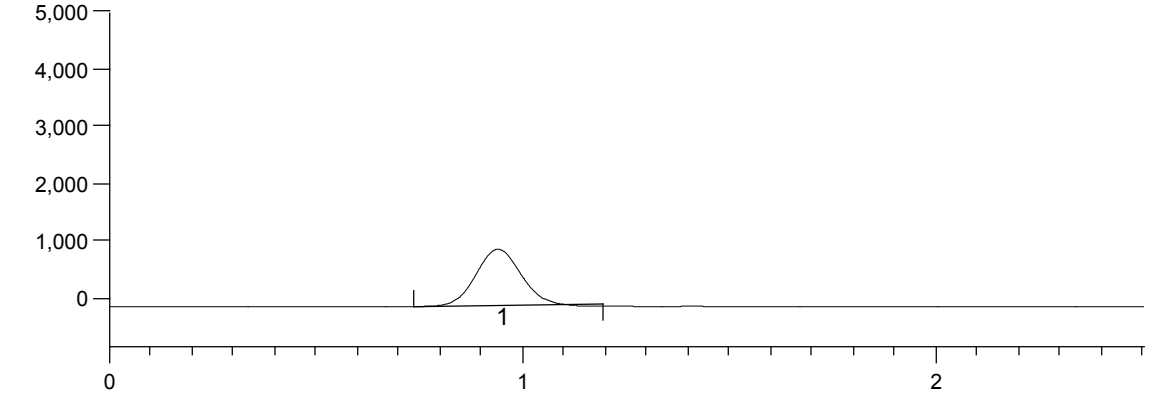
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

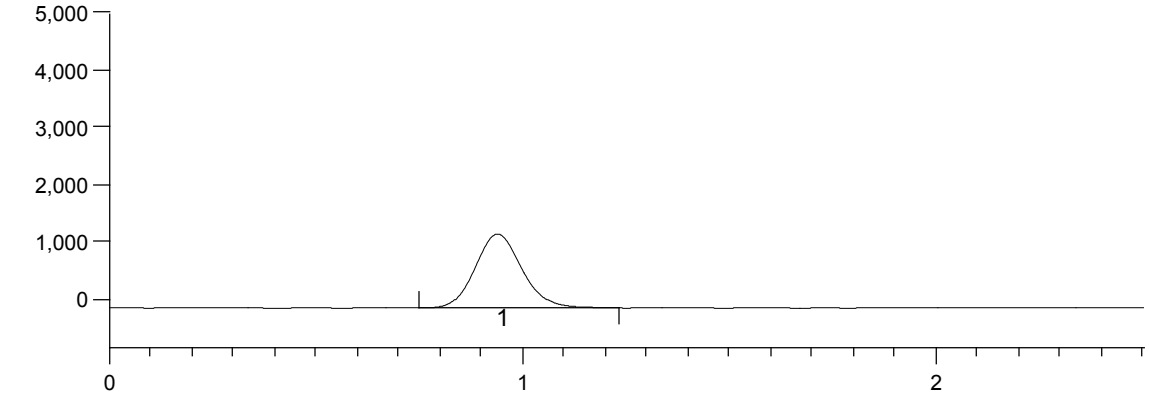
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 12:16 PM

Peak	rt	Area
1	0.94	79,605

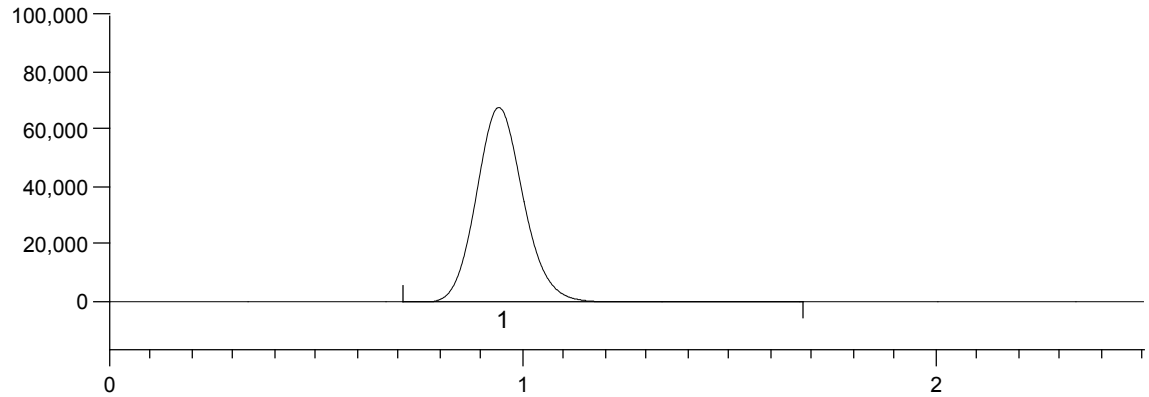
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
25	X	S	B140386-BSE		1	79,605	6.31	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 12:23 PM

Peak	rt	Area
1	0.94	103,180

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
26	Y	S	B140386-BSF		1	103,180	8.81	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 12:30 PM

Peak	rt	Area
1	0.94	5,433,173

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
27	X	CCV	SEQ-CCV		1	5,433,173	576		115	77-123	accept
Notes											

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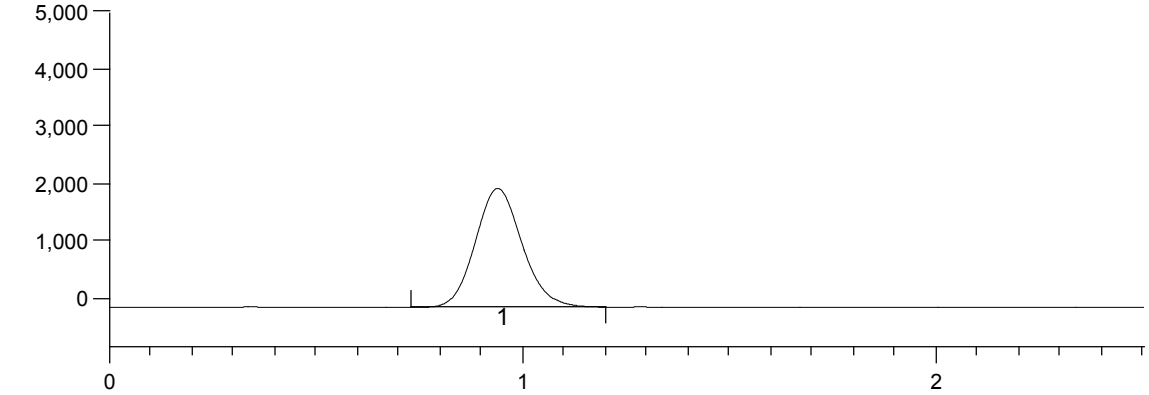
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

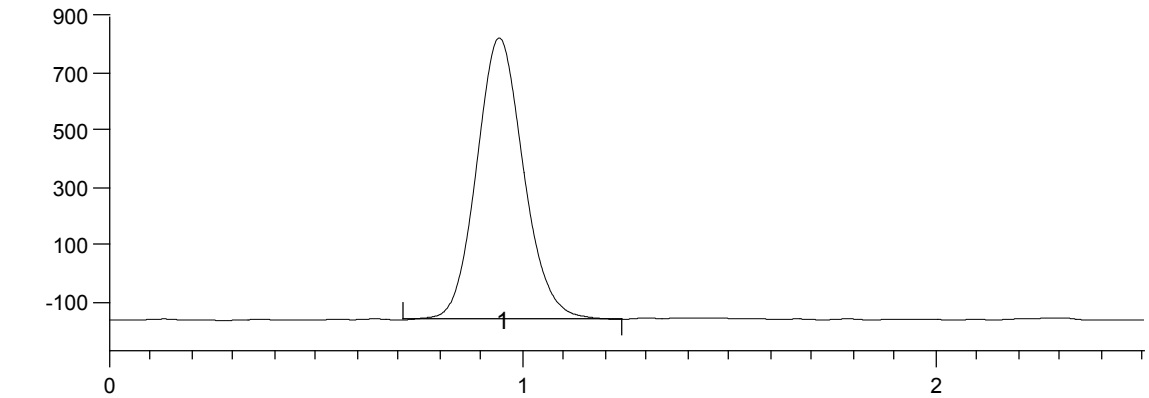
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 12:37 PM

Peak	rt	Area
1	0.94	166,050

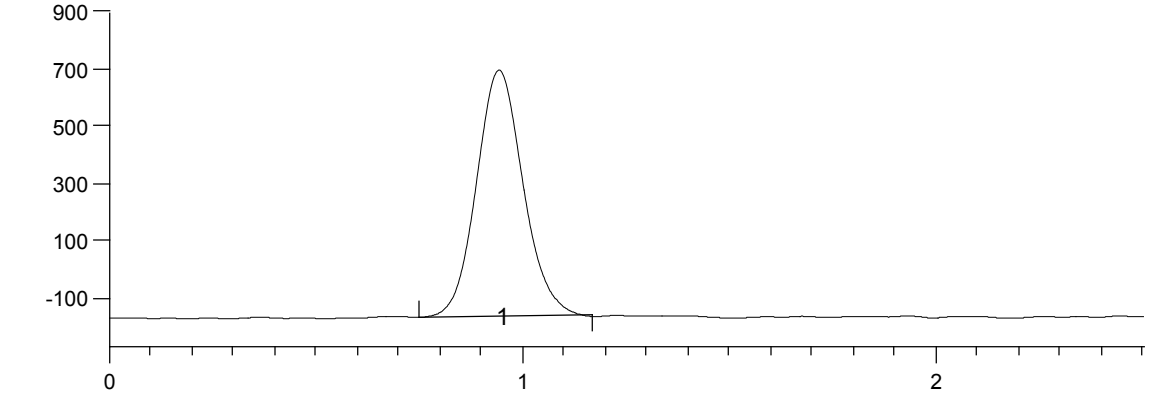
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
28	Y	CCB	SEQ-CCB		1	166,050	17.7		17.7	< 10	reject
Notes											



Date: 3/28/14
Time: 12:44 PM

Peak	rt	Area
1	0.94	78,655

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29	X	S	B140493-BLK1		1	78,655	6.21	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 12:51 PM

Peak	rt	Area
1	0.94	68,828

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
30	Y	S	B140493-BLK2		1	68,828	5.16	0.00		< HS	accept
Notes											

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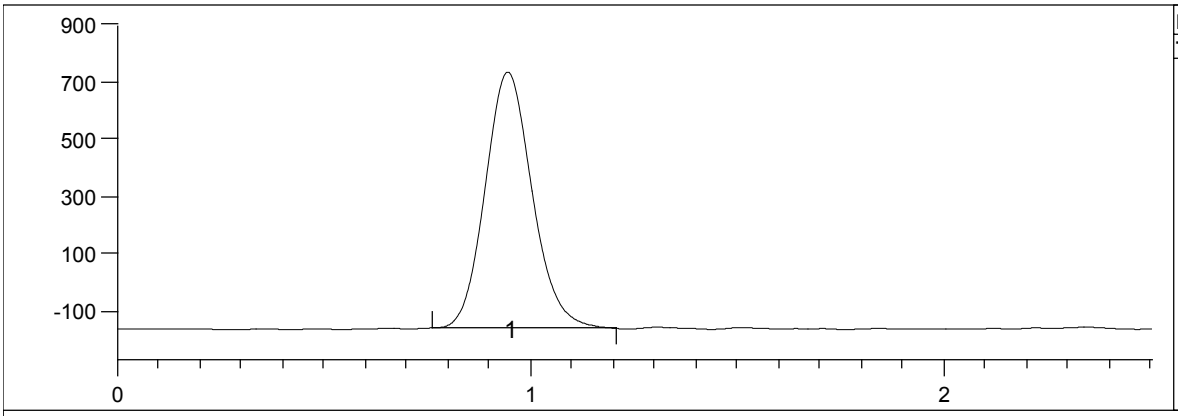
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

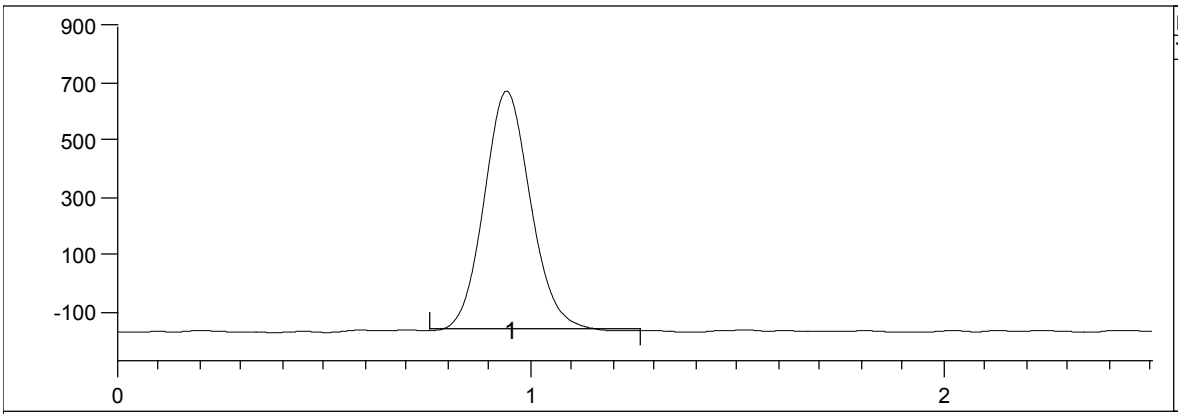
Date Analyzed: 3/28/14
Analyst Name: AAP



Date: 3/28/14
Time: 12:58 PM

Peak	rt	Area
1	0.94	71,243

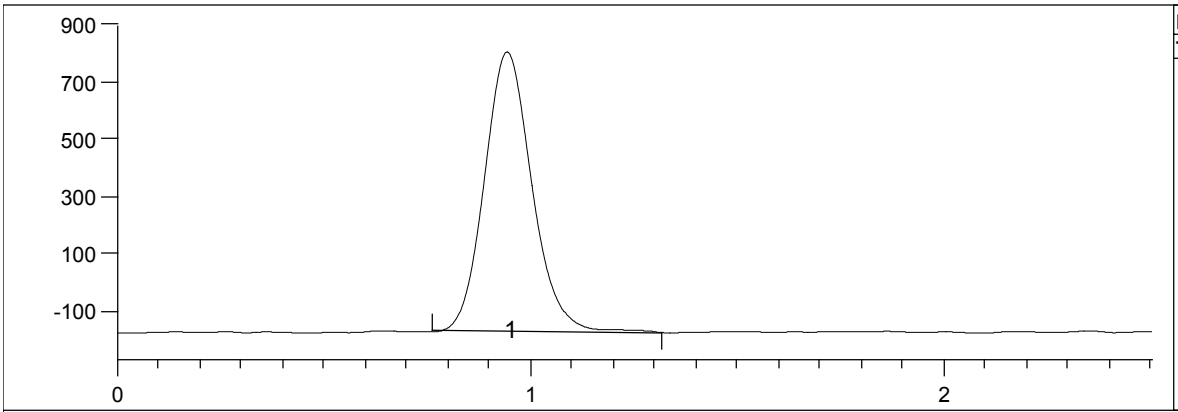
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31	X	S	B140493-BLK3		1	71,243	5.42	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 1:05 PM

Peak	rt	Area
1	0.94	66,629

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
32	Y	S	B140493-BLK4		1	66,629	4.93	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 1:12 PM

Peak	rt	Area
1	0.94	79,066

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
33	X	S	1412033-01		1	79,066	6.25	0.00		< HS	accept
Notes											

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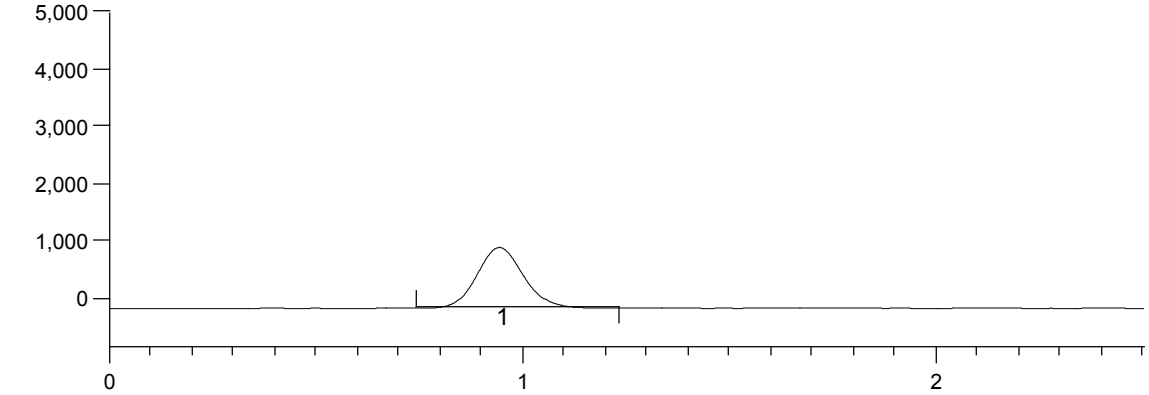
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

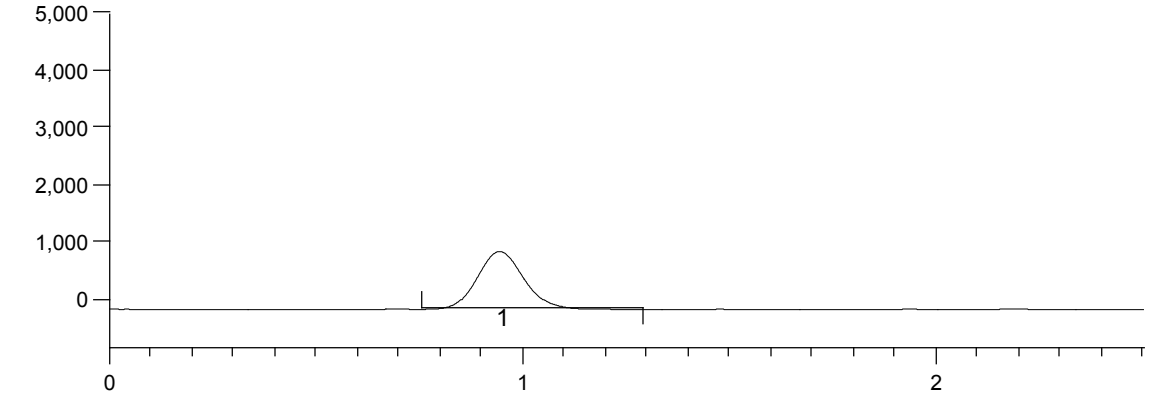
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 1:19 PM

Peak	rt	Area
1	0.94	85,376

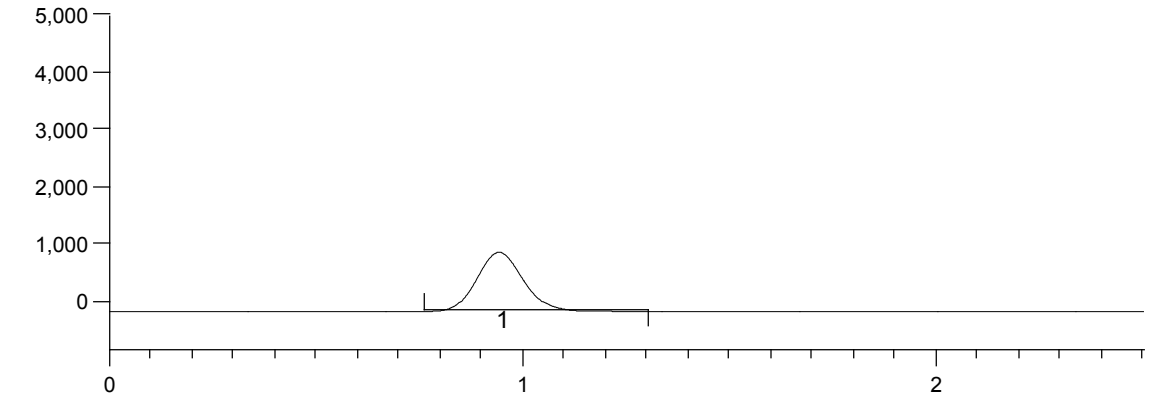
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
34	Y	S	1412033-21		1	85,376	6.92	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 1:26 PM

Peak	rt	Area
1	0.94	81,133

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
35	X	S	1412033-23		1	81,133	6.47	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 1:33 PM

Peak	rt	Area
1	0.94	83,025

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
36	Y	S	1412033-25		1	83,025	6.67	0.00		< HS	accept
Notes											

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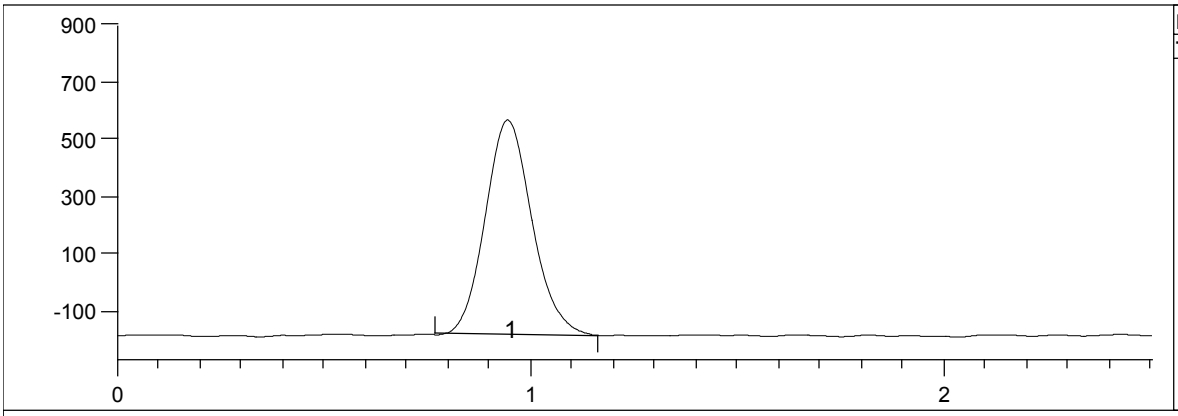
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

Date Analyzed: 3/28/14
Analyst Name: AAP

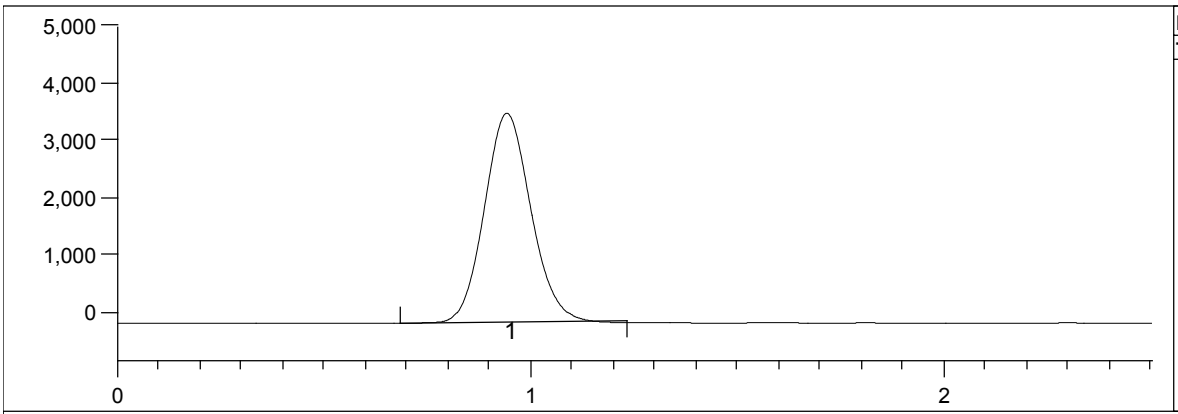


Date: 3/28/14
Time: 1:40 PM

Peak	rt	Area
1	0.94	59,602

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
37	X	S	1412030-02		1	59,602	4.18	0.00		< HS	accept

Notes

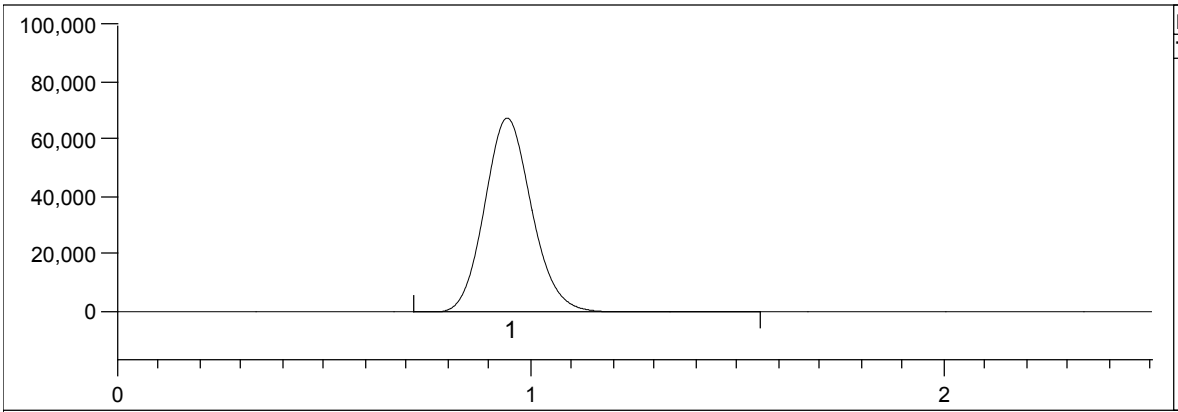


Date: 3/28/14
Time: 1:47 PM

Peak	rt	Area
1	0.94	291,950

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
38	Y	S	1412033-02		1	291,950	28.9	0.00		< HS	accept

Notes



Date: 3/28/14
Time: 1:54 PM

Peak	rt	Area
1	0.94	5,427,608

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
39	X	CCV	SEQ-CCV		1	5,427,608	575		115	77-123	accept

Notes

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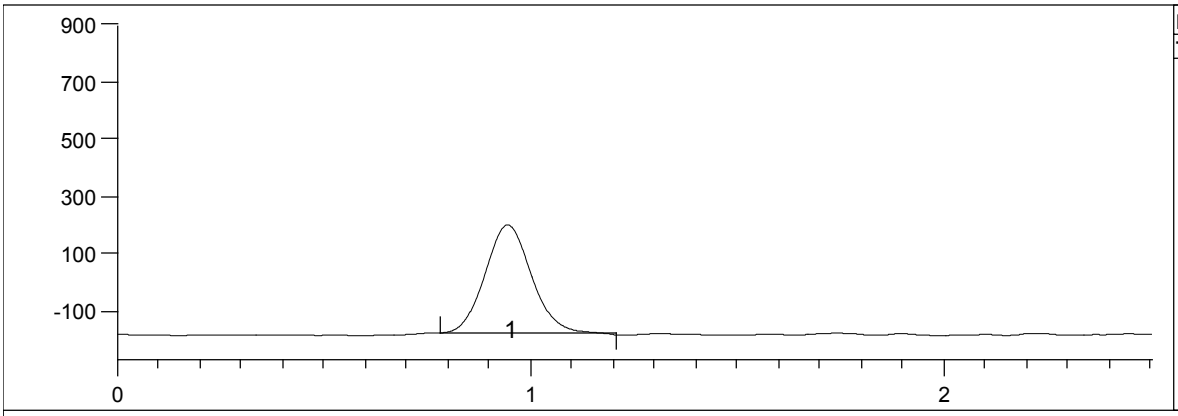
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

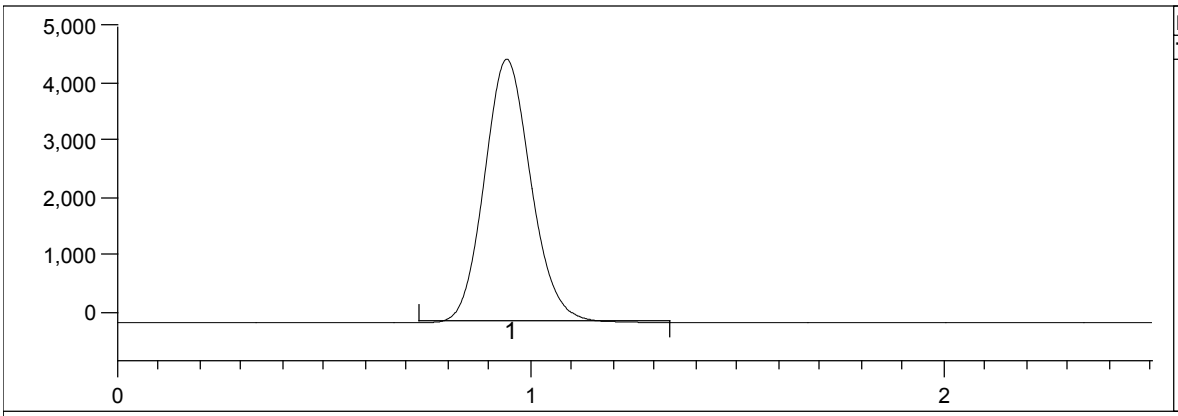
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 2:01 PM

Peak	rt	Area
1	0.94	30,355

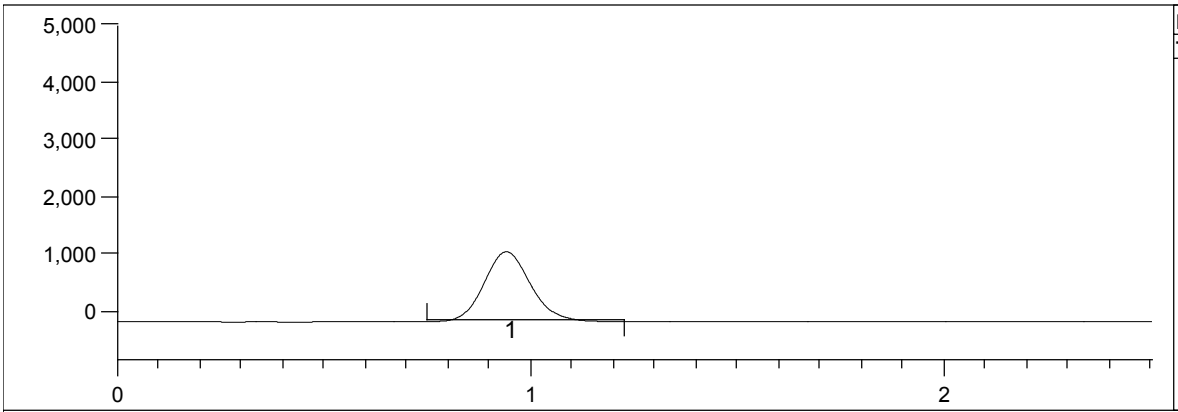
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
40	Y	CCB	SEQ-CCB		1	30,355	3.23		3.23	< 10	accept
Notes											



Date: 3/28/14
Time: 2:08 PM

Peak	rt	Area
1	0.94	365,381

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
41	X	S	1412033-03		1	365,381	36.7	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 2:15 PM

Peak	rt	Area
1	0.94	97,675

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
42	Y	S	1412033-07		1	97,675	8.23	0.00		< HS	accept
Notes											

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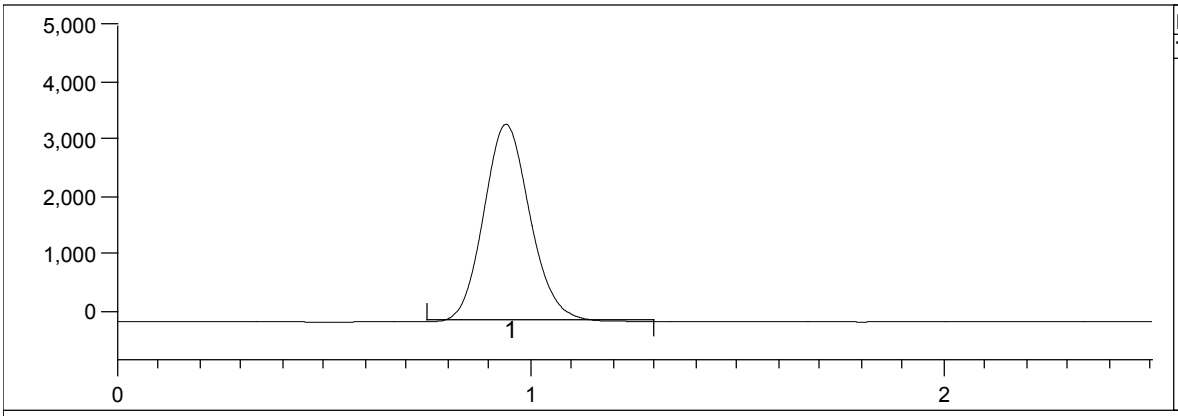
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

Date Analyzed: 3/28/14
Analyst Name: AAP

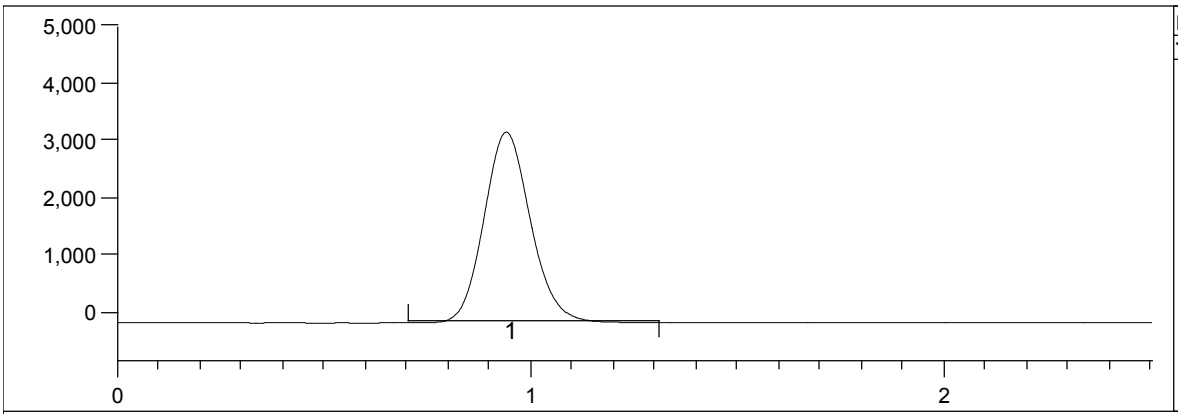


Date: 3/28/14
Time: 2:22 PM

Peak	rt	Area
1	0.94	272,830

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
43	X	S	1412033-08		1	272,830	26.9	0.00		< HS	accept

Notes

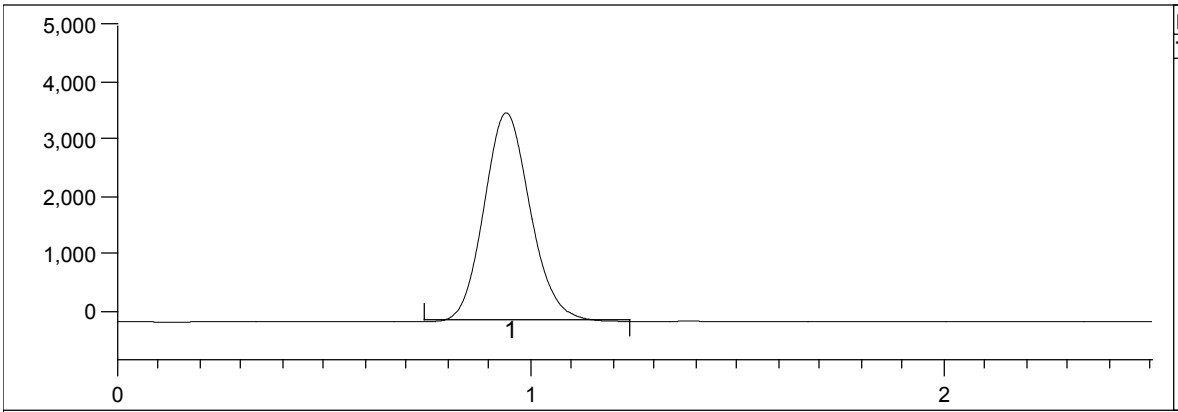


Date: 3/28/14
Time: 2:29 PM

Peak	rt	Area
1	0.94	264,782

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
44	Y	S	1412033-09		1	264,782	26.0	0.00		< HS	accept

Notes



Date: 3/28/14
Time: 2:36 PM

Peak	rt	Area
1	0.94	287,940

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
45	X	S	1412033-10		1	287,940	28.5	0.00		< HS	accept

Notes

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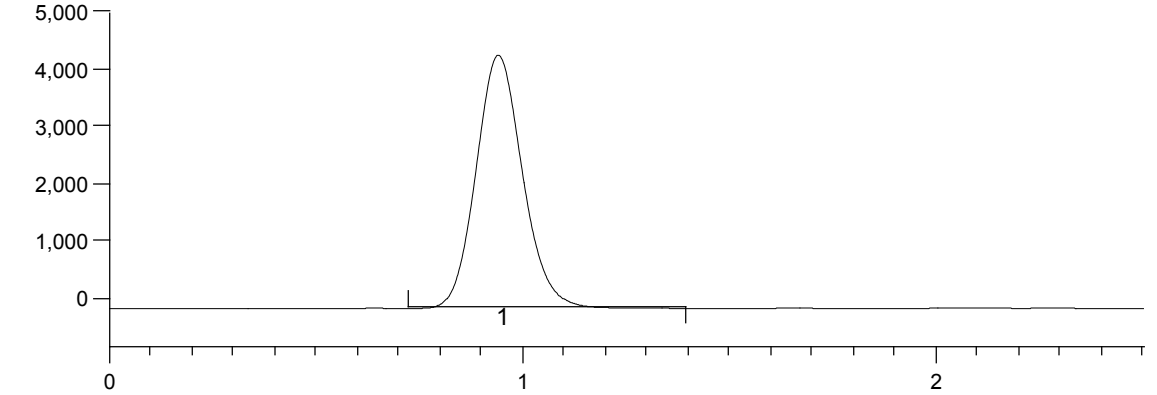
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP

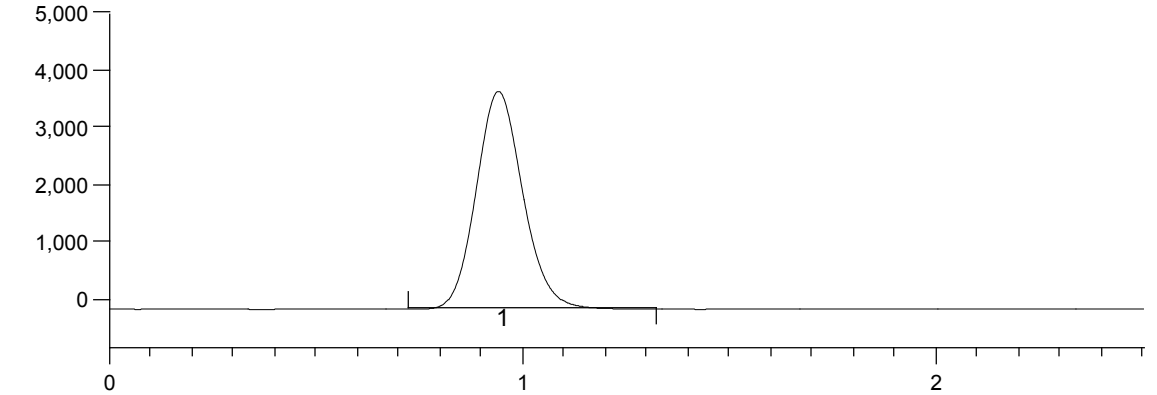


Date: 3/28/14
Time: 2:43 PM

Peak	rt	Area
1	0.94	351,401

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
46	Y	S	1412033-11		1	351,401	35.2	0.00		< HS	accept

Notes

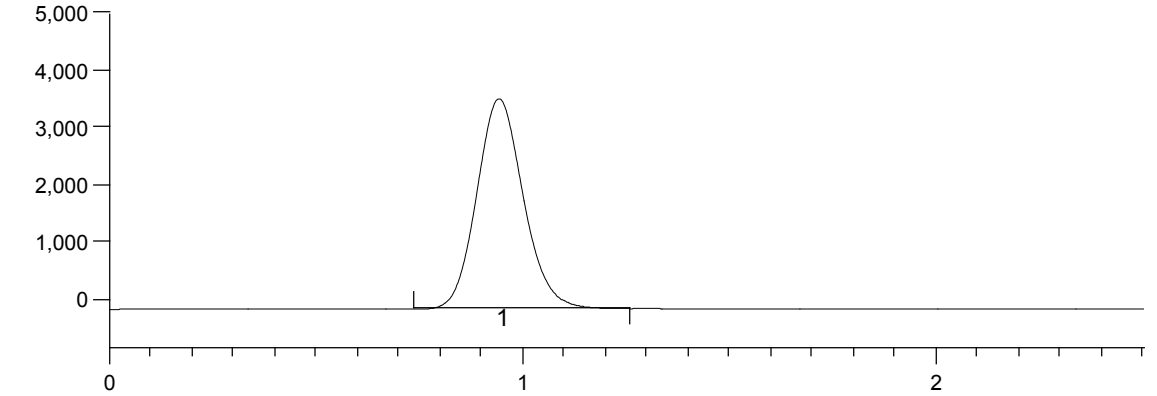


Date: 3/28/14
Time: 2:50 PM

Peak	rt	Area
1	0.94	301,981

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
47	X	S	1412033-12		1	301,981	30.0	0.00		< HS	accept

Notes



Date: 3/28/14
Time: 2:57 PM

Peak	rt	Area
1	0.94	291,046

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
48	Y	S	1412033-13		1	291,046	28.8	0.00		< HS	accept

Notes

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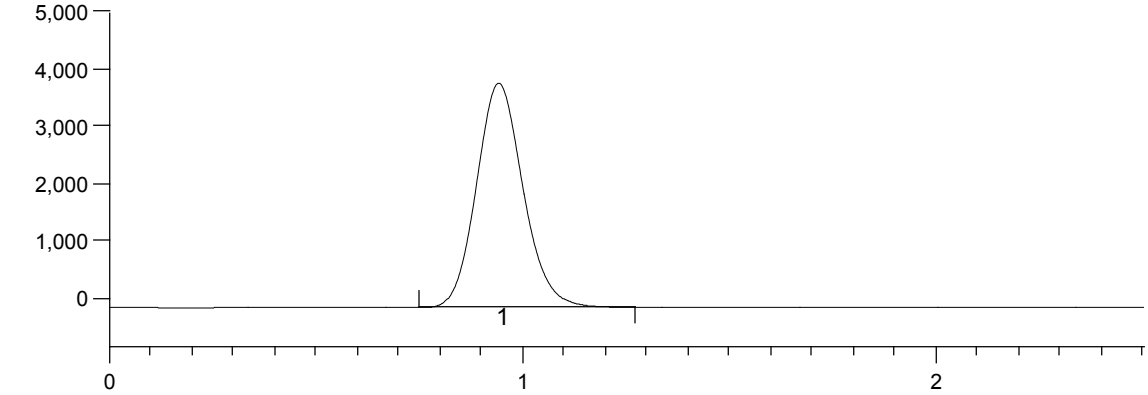
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

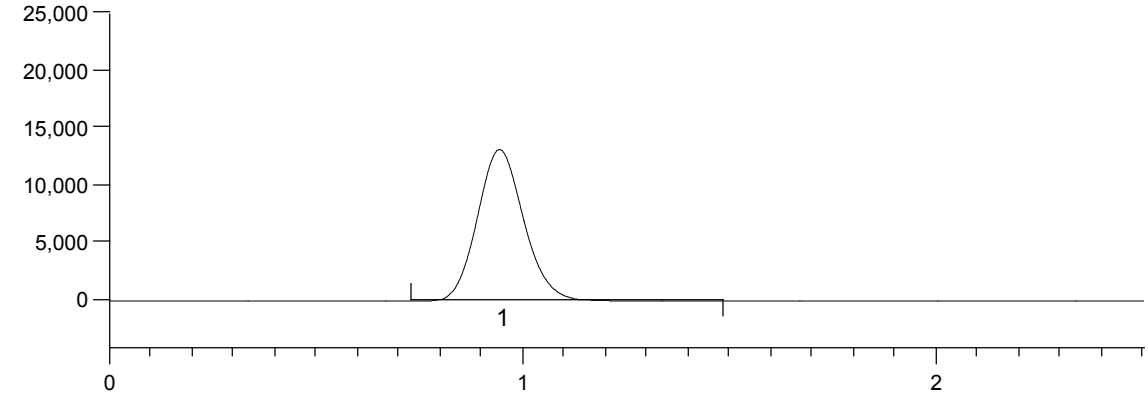
Date Analyzed: 3/28/14
Analyst Name: AAP



Date: 3/28/14
Time: 3:04 PM

Peak	rt	Area
1	0.94	309,889

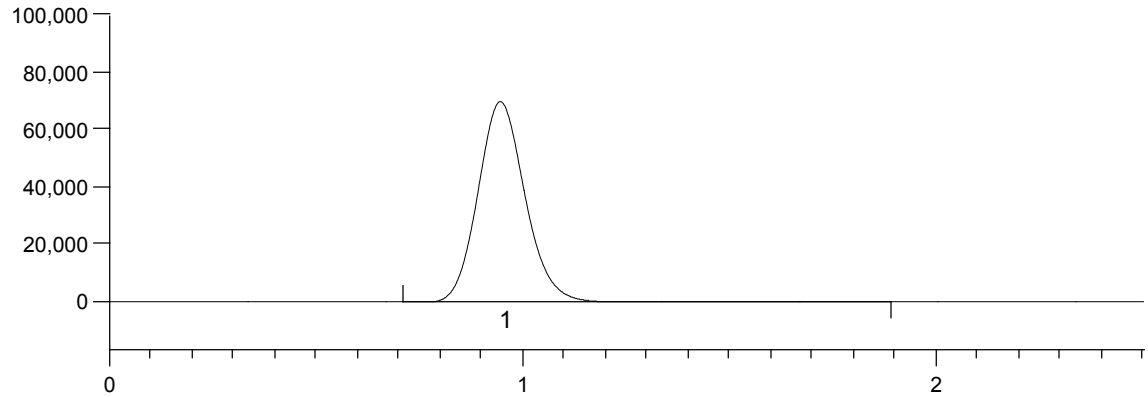
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
49	X	S	1412033-24		1	309,889	30.8	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 3:11 PM

Peak	rt	Area
1	0.94	1,054,056

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
50	Y	S	B140493-MS1		1	1,054,056	110.	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 3:18 PM

Peak	rt	Area
1	0.94	5,596,065

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
51	X	CCV	SEQ-CCV		1	5,596,065	593		119	77-123	accept
Notes											

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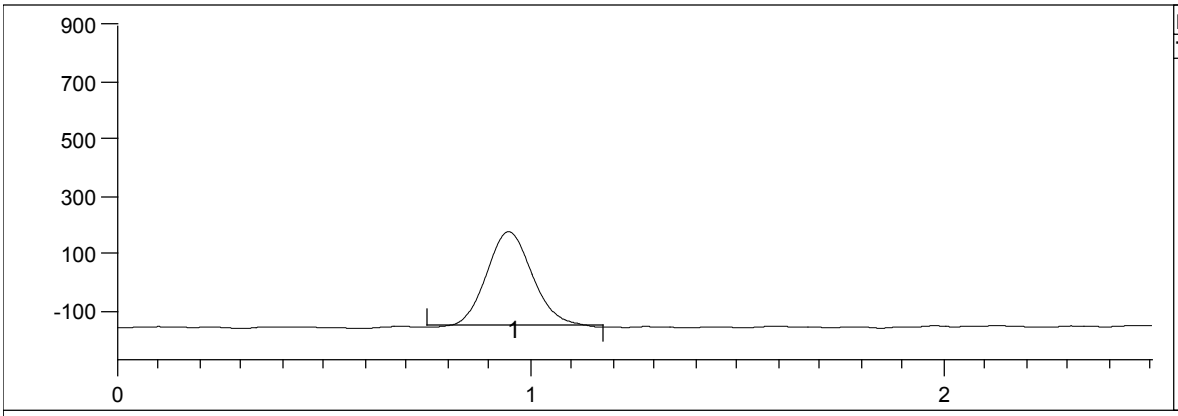
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

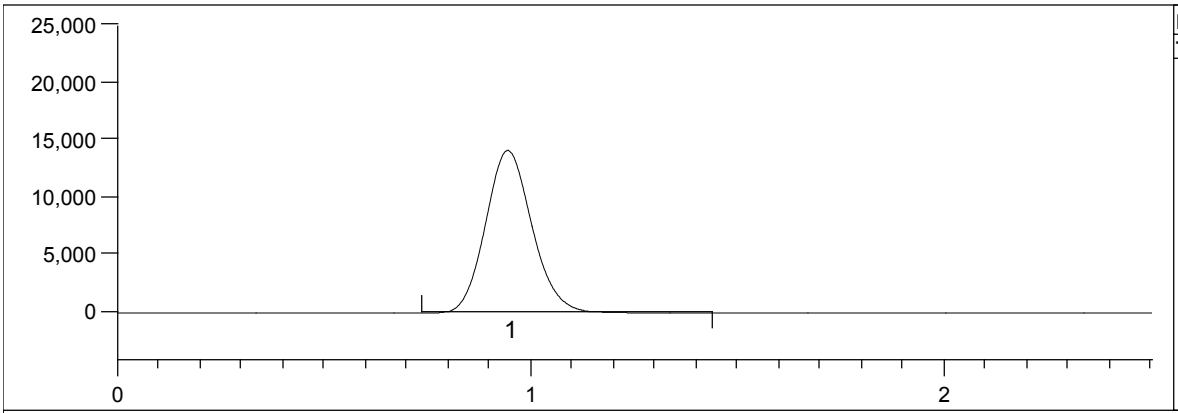
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 3:25 PM

Peak	rt	Area
1	0.94	26,868

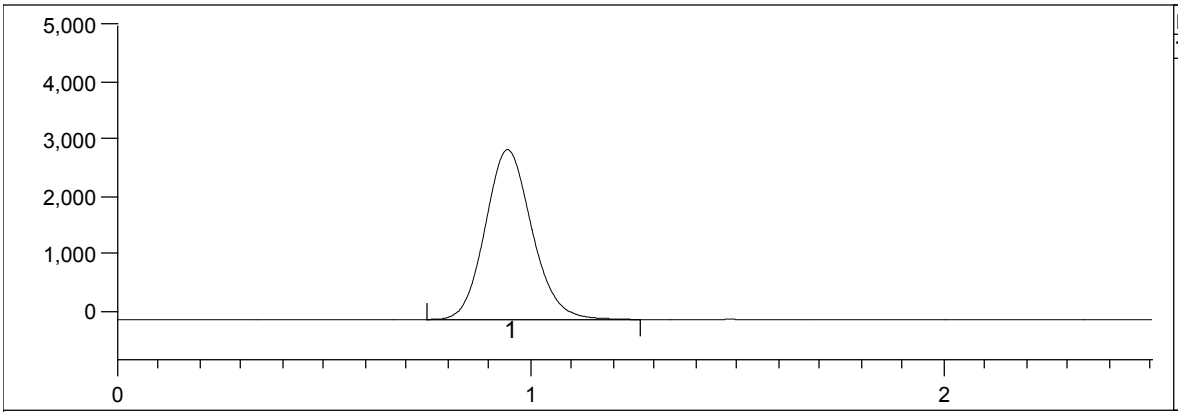
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
52	Y	CCB	SEQ-CCB		1	26,868	2.86		2.86	< 10	accept
Notes											



Date: 3/28/14
Time: 3:32 PM

Peak	rt	Area
1	0.94	1,127,747

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
53	X	S	B140493-MSD1		1	1,127,747	118	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 3:39 PM

Peak	rt	Area
1	0.94	235,078

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
54	Y	S	1412033-26		1	235,078	22.8	0.00		< HS	accept
Notes											

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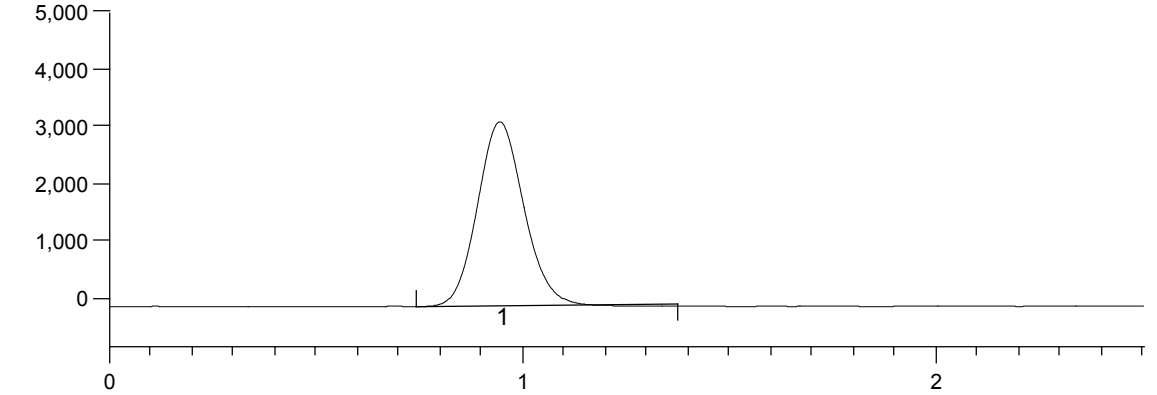
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

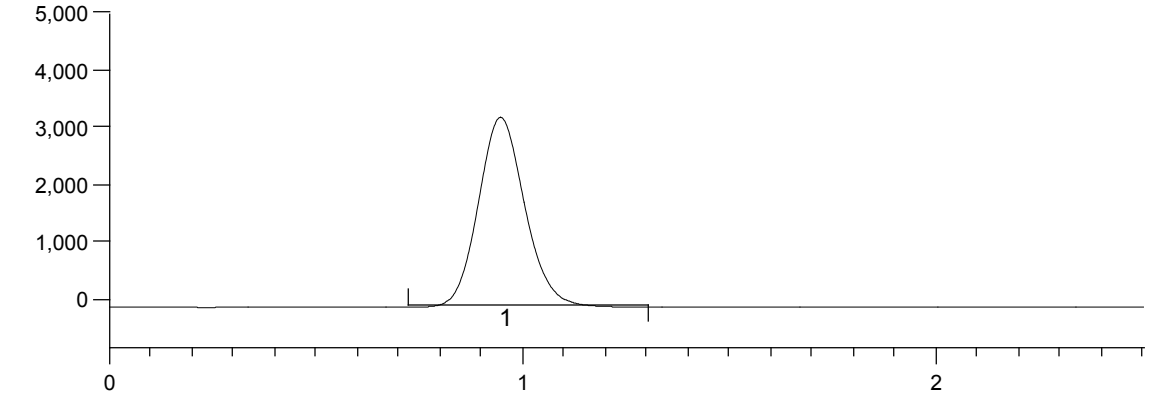
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 3:46 PM

Peak	rt	Area
1	0.94	256,865

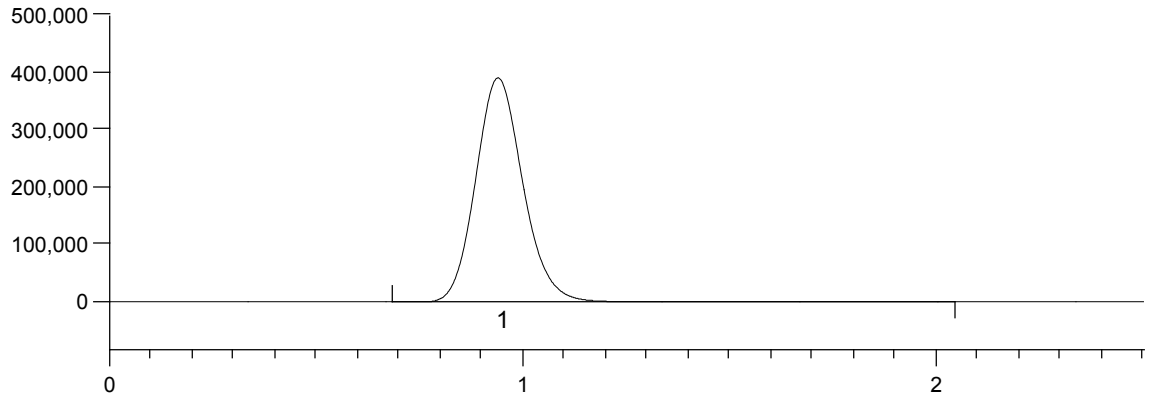
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
55	X	S	1412033-27		1	256,865	25.2	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 3:53 PM

Peak	rt	Area
1	0.94	262,866

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
56	Y	S	1412033-28		1	262,866	25.8	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 4:00 PM

Peak	rt	Area
1	0.94	31,238,431

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
57	X	S	1412033-29		1	31,238,431	3,320	0.00		< HS	accept
Notes											

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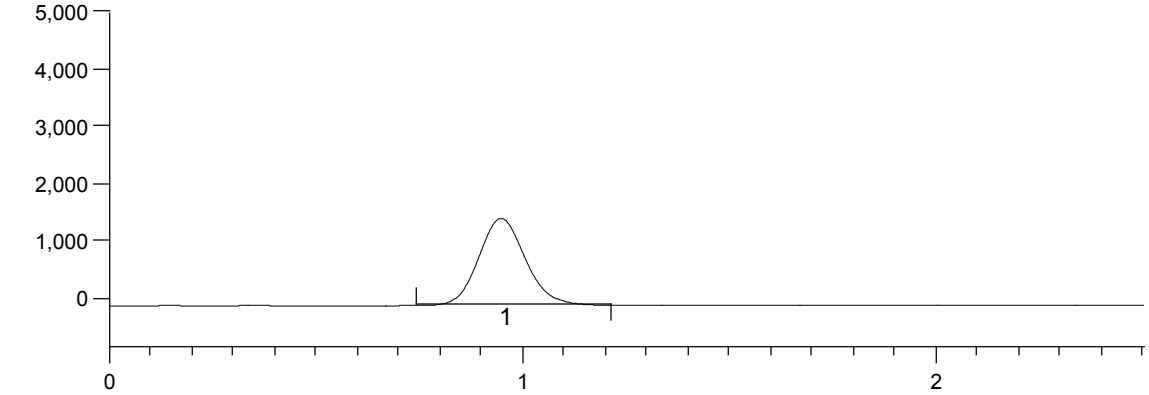
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

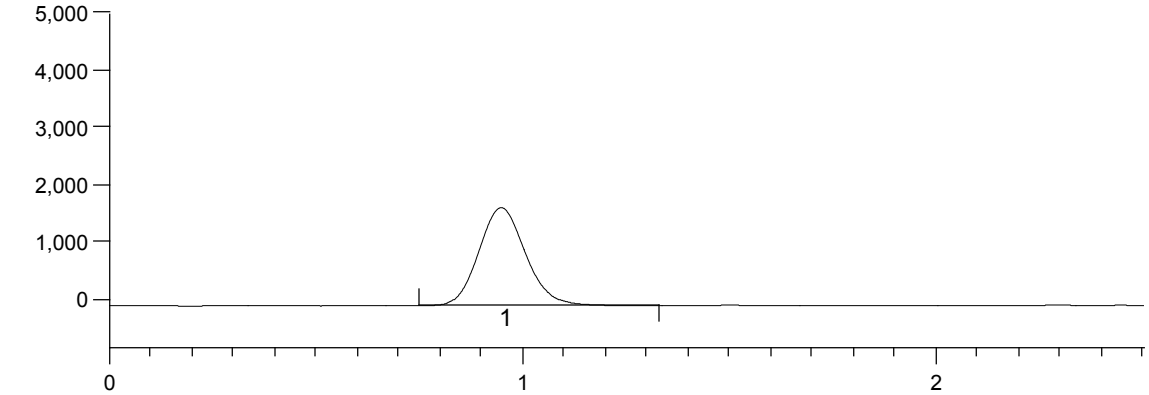
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 4:07 PM

Peak	rt	Area
1	0.94	122,608

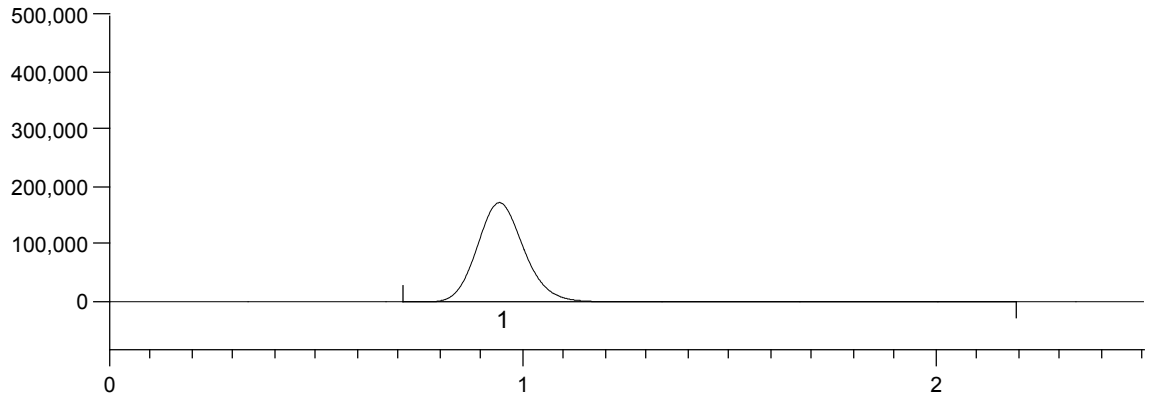
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
58	Y	S	1412024-01		1	122,608	10.9	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 4:14 PM

Peak	rt	Area
1	0.94	137,182

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
59	X	S	1412024-02		1	137,182	12.4	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 4:21 PM

Peak	rt	Area
1	0.94	13,814,935

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
60	Y	S	1412024-03		1	13,814,935	1,470	0.00		< HS	accept
Notes											

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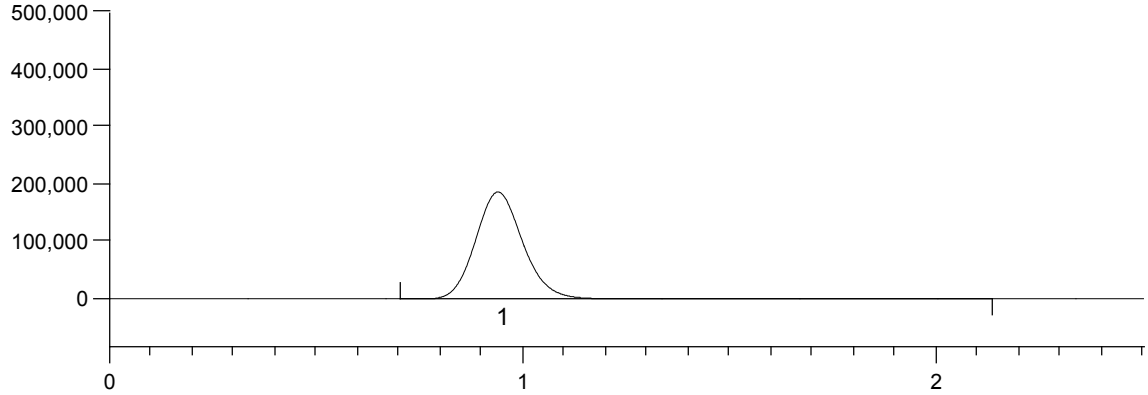
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP

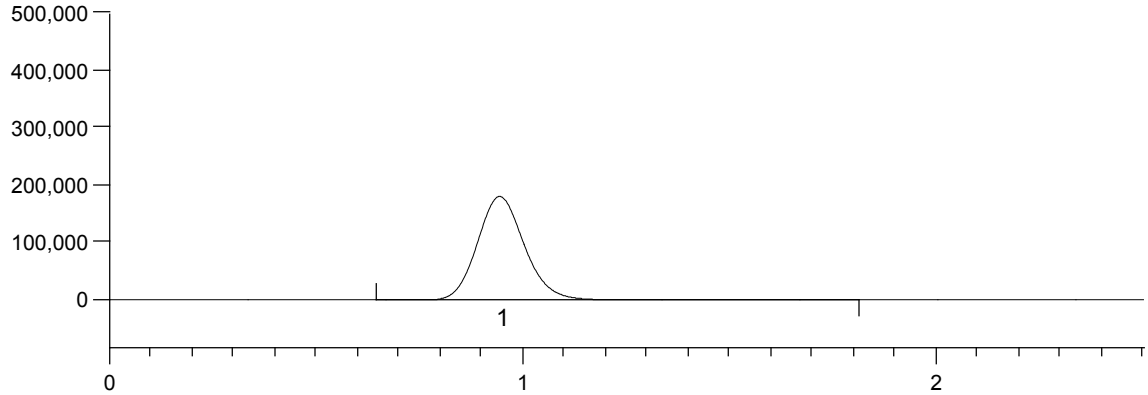


Date: 3/28/14
Time: 4:28 PM

Peak	rt	Area
1	0.94	14,931,012

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
61	X	S	1412024-05		1	14,931,012	1,590	0.00		< HS	accept

Notes

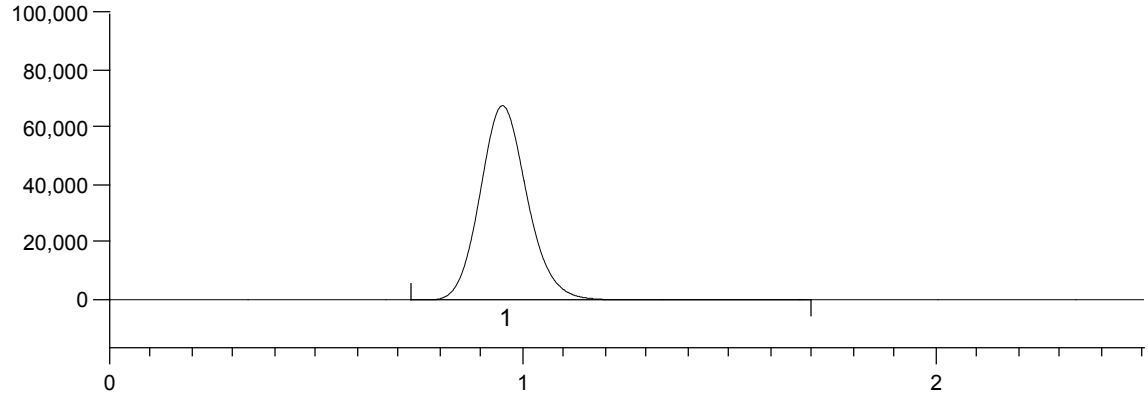


Date: 3/28/14
Time: 4:35 PM

Peak	rt	Area
1	0.94	14,379,037

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
62	Y	S	1412024-07		1	14,379,037	1,530	0.00		< HS	accept

Notes



Date: 3/28/14
Time: 4:42 PM

Peak	rt	Area
1	0.95	5,426,018

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
63	X	CCV	SEQ-CCV		1	5,426,018	575		115	77-123	accept

Notes

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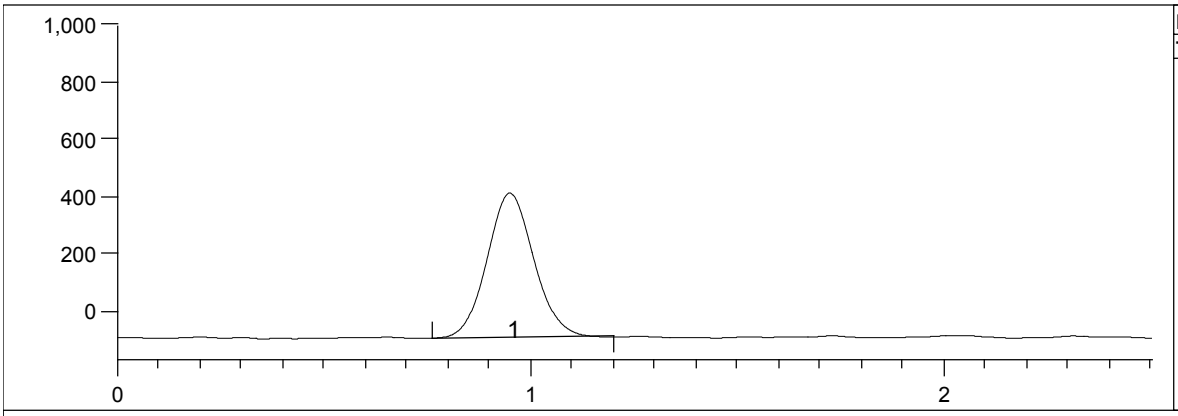
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

Date Analyzed: 3/28/14
Analyst Name: AAP

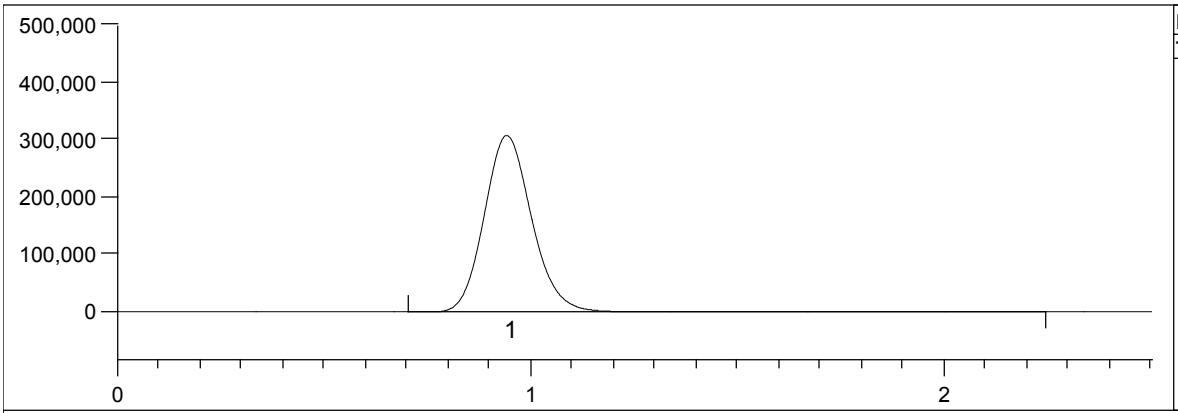


Date: 3/28/14
Time: 4:49 PM

Peak	rt	Area
1	0.94	40,549

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
64	Y	CCB	SEQ-CCB		1	40,549	4.31		4.31	< 10	accept

Notes

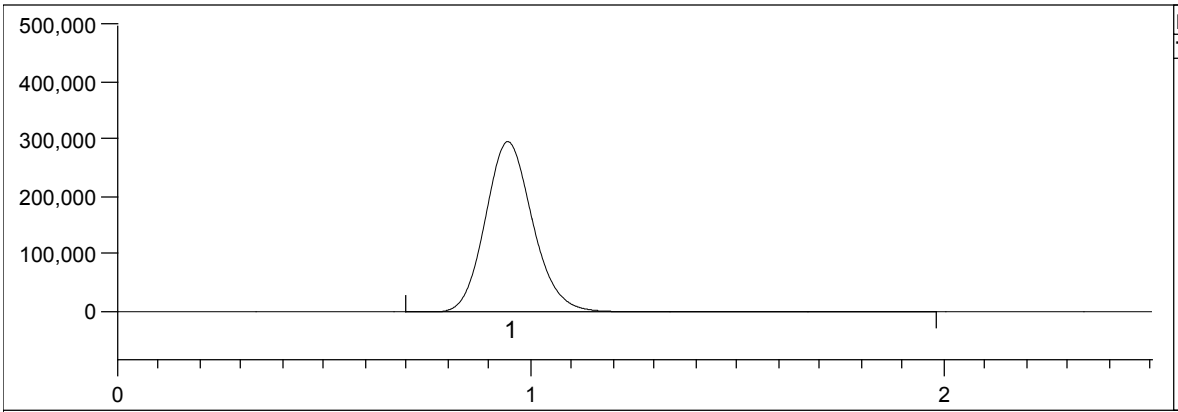


Date: 3/28/14
Time: 4:56 PM

Peak	rt	Area
1	0.94	24,717,996

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
65	X	S	1412024-09		1	24,717,996	2,630	0.00		< HS	accept

Notes



Date: 3/28/14
Time: 5:03 PM

Peak	rt	Area
1	0.94	23,785,163

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
66	Y	S	1412024-11		1	23,785,163	2,530	0.00		< HS	accept

Notes

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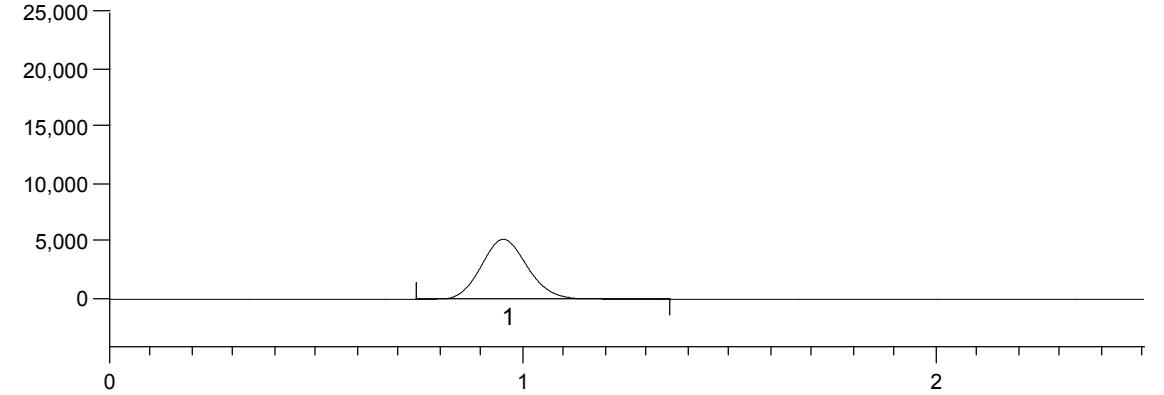
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

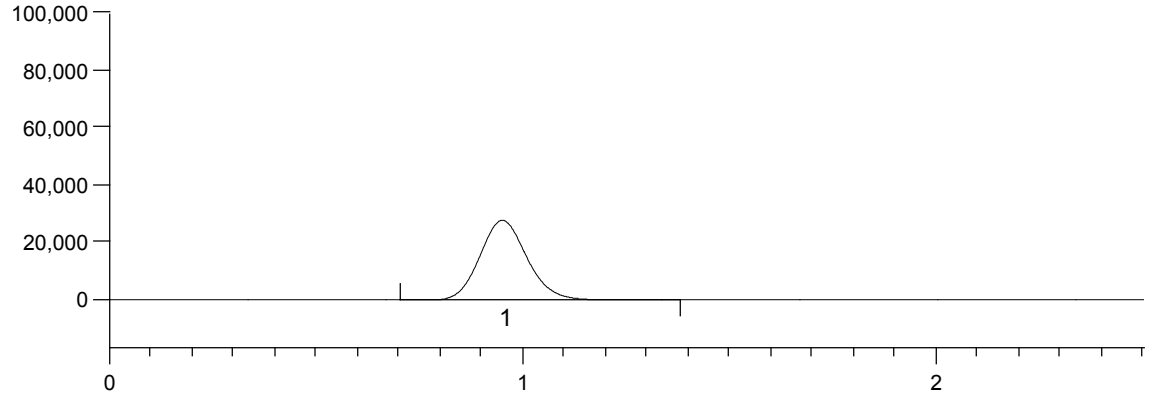
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 5:10 PM

Peak	rt	Area
1	0.95	422,756

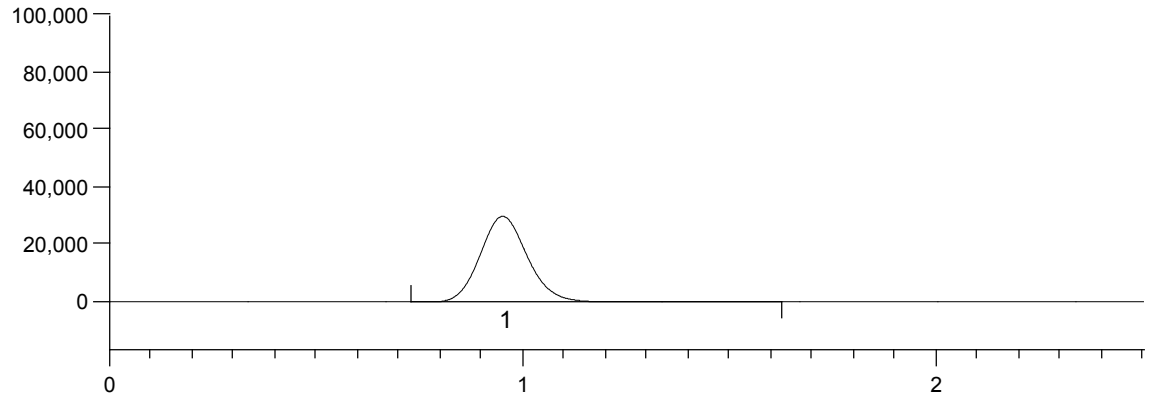
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
67	X	S	1412030-01		1	422,756	42.8	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 5:17 PM

Peak	rt	Area
1	0.95	2,229,495

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
68	Y	S	B140493-MS2		1	2,229,495	235	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 5:24 PM

Peak	rt	Area
1	0.95	2,402,532

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
69	X	S	B140493-MSD2		1	2,402,532	253	0.00		< HS	accept
Notes											

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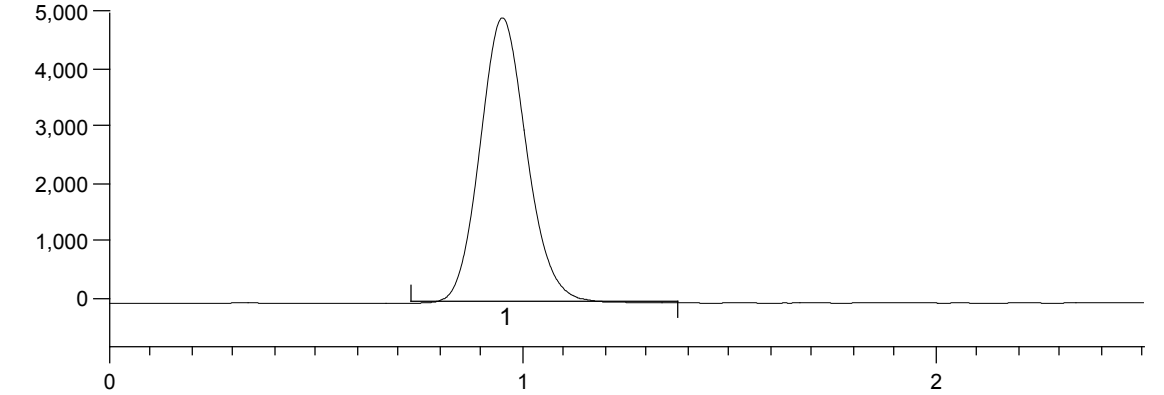
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

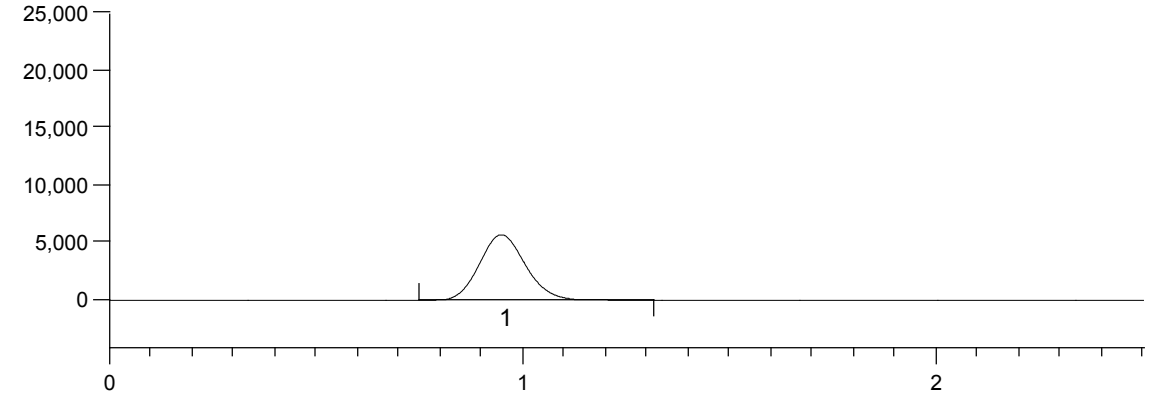
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 5:31 PM

Peak	rt	Area
1	0.95	398,025

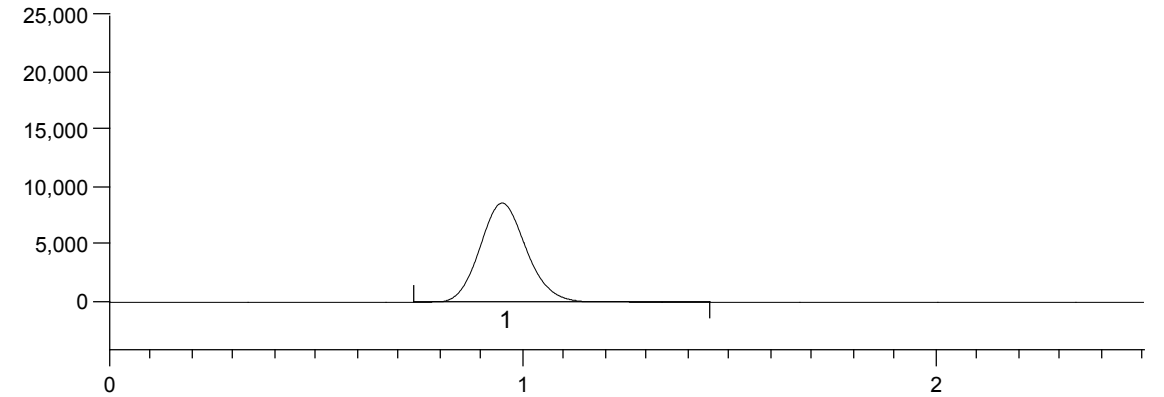
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
70	Y	S	1412031-01		1	398,025	40.2	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 5:38 PM

Peak	rt	Area
1	0.94	457,258

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
71	X	S	1412031-02		1	457,258	46.5	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 5:45 PM

Peak	rt	Area
1	0.94	690,779

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
72	Y	S	B140493-MS3		1	690,779	71.3	0.00		< HS	accept
Notes											

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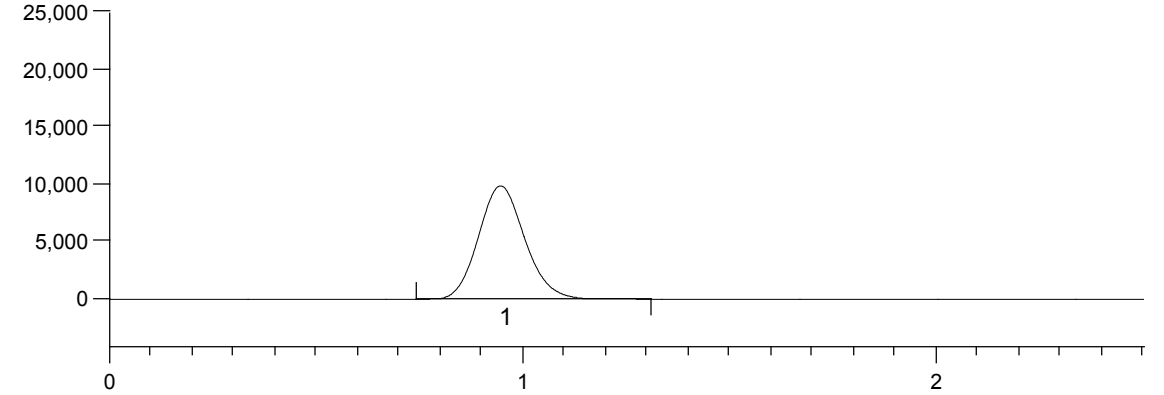
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP

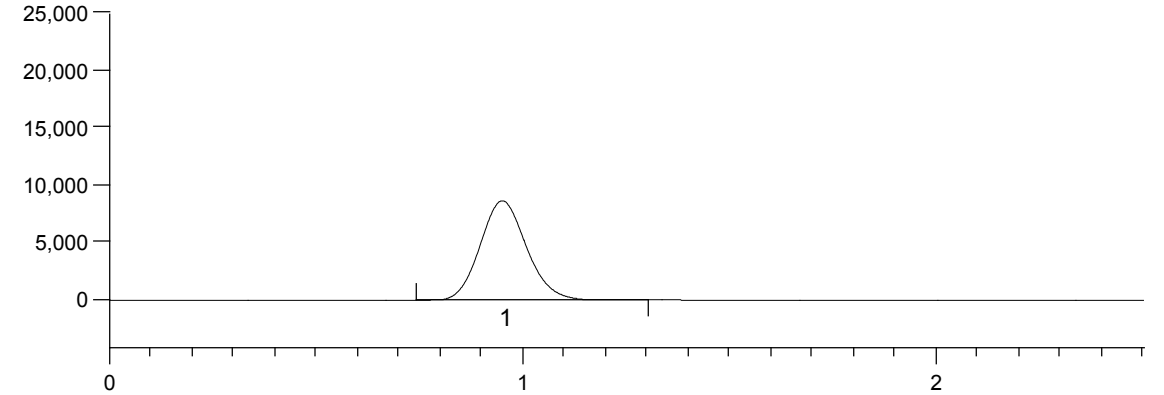


Date: 3/28/14
Time: 5:52 PM

Peak	rt	Area
1	0.94	785,827

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
73	X	S	B140493-MSD3		1	785,827	81.4	0.00		< HS	accept

Notes

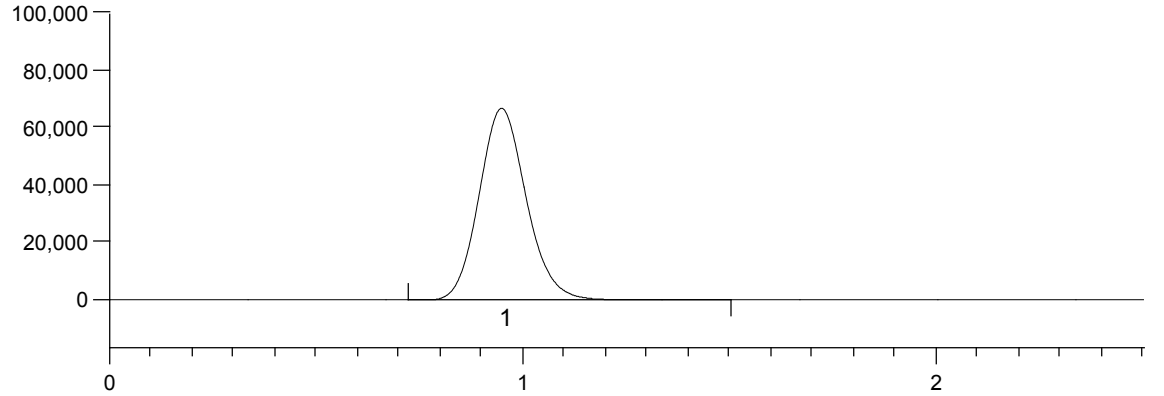


Date: 3/28/14
Time: 5:59 PM

Peak	rt	Area
1	0.94	690,495

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
74	Y	S	1412034-01		1	690,495	71.3	0.00		< HS	accept

Notes



Date: 3/28/14
Time: 6:06 PM

Peak	rt	Area
1	0.94	5,347,305

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
75	X	CCV	SEQ-CCV		1	5,347,305	567		113	77-123	accept

Notes

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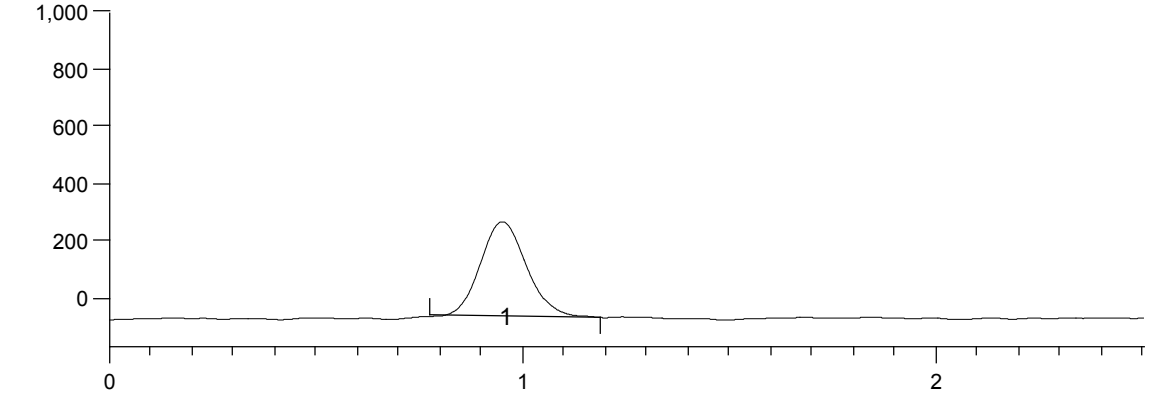
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

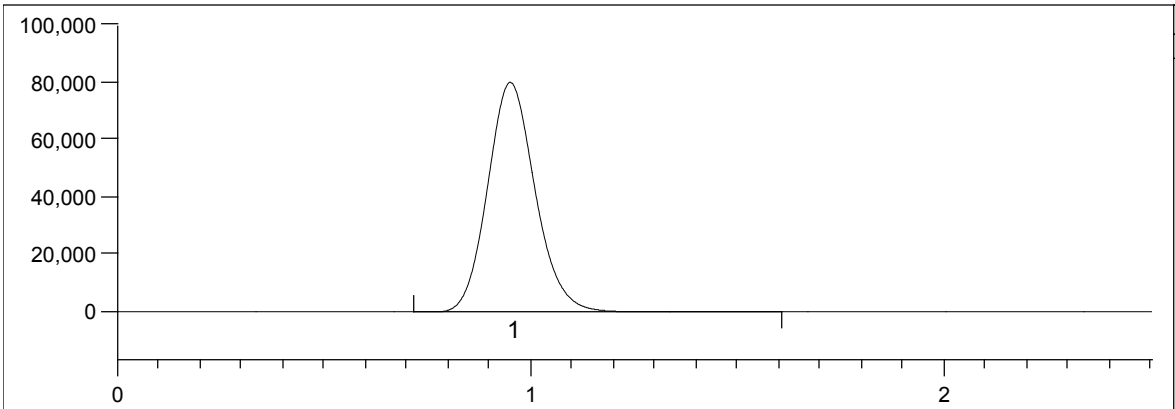
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 6:13 PM

Peak	rt	Area
1	0.94	26,379

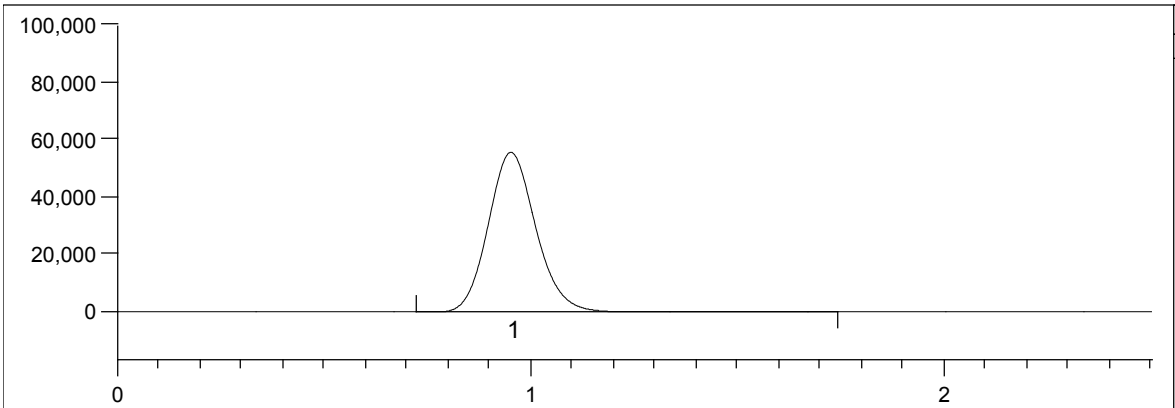
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
76	Y	CCB	SEQ-CCB		1	26,379	2.81		2.81	< 10	accept
Notes											



Date: 3/28/14
Time: 6:20 PM

Peak	rt	Area
1	0.94	6,451,537

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
77	X	S	B140493-MS4		1	6,451,537	684	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 6:27 PM

Peak	rt	Area
1	0.95	4,495,934

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
78	Y	S	B140493-MSD4		1	4,495,934	476	0.00		< HS	accept
Notes											

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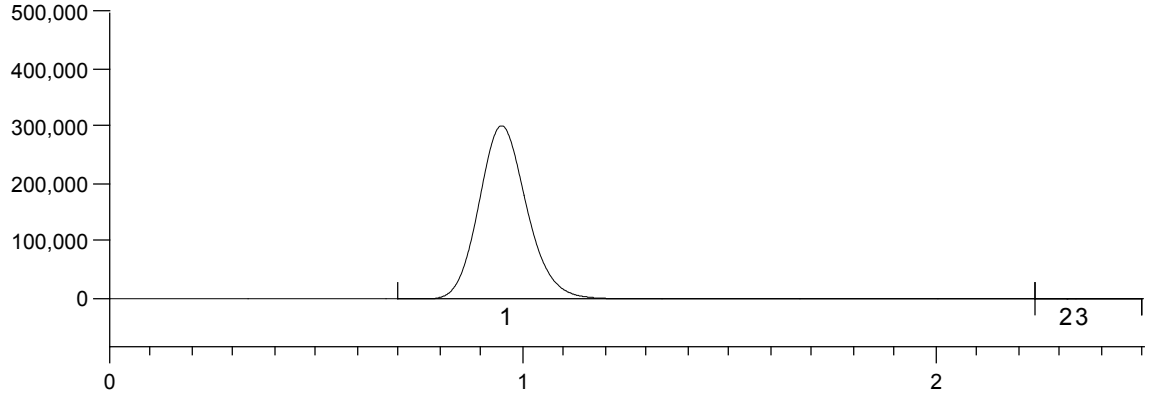
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

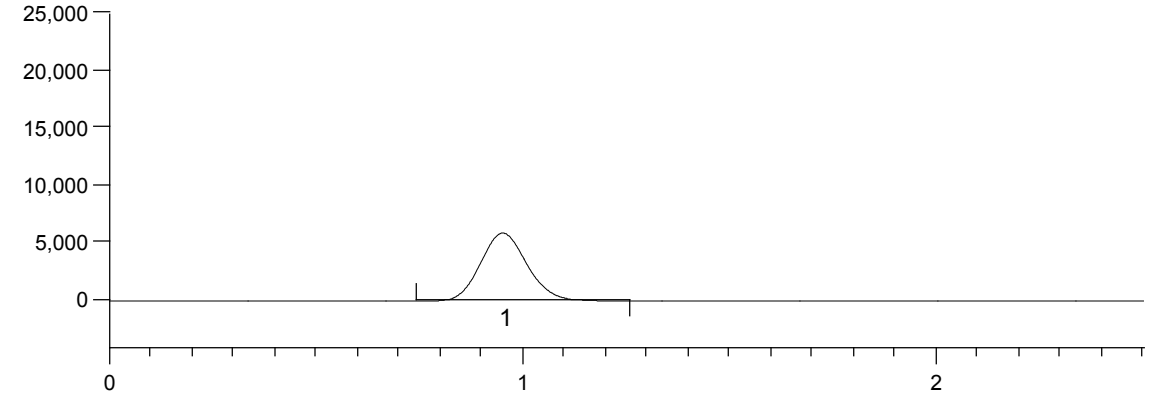
Date Analyzed: 3/28/14
Analyst Name: AAP



Date: 3/28/14
Time: 6:34 PM

Peak	rt	Area
1	0.94	24,535,249
2	2.30	485
3	2.33	697

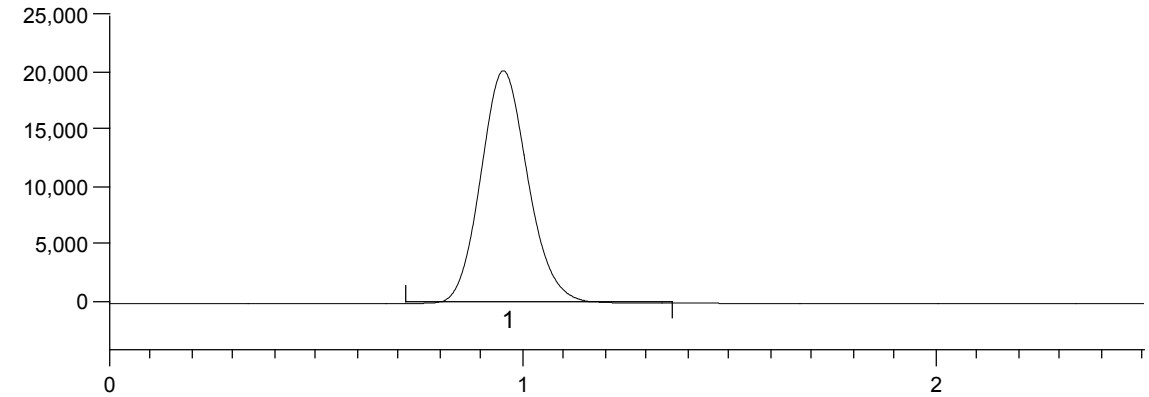
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
79	X	S	1412034-02		1	24,535,249	2,610	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 6:41 PM

Peak	rt	Area
1	0.95	479,686

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
80	Y	S	1412034-03		1	479,686	48.9	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 6:48 PM

Peak	rt	Area
1	0.95	1,635,995

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
81	X	S	1412034-04		1	1,635,995	172	0.00		< HS	accept
Notes											

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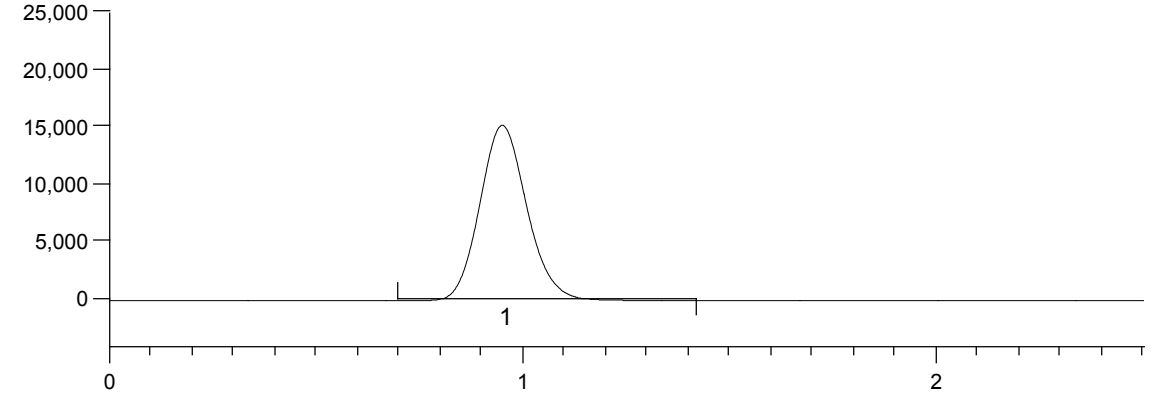
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP

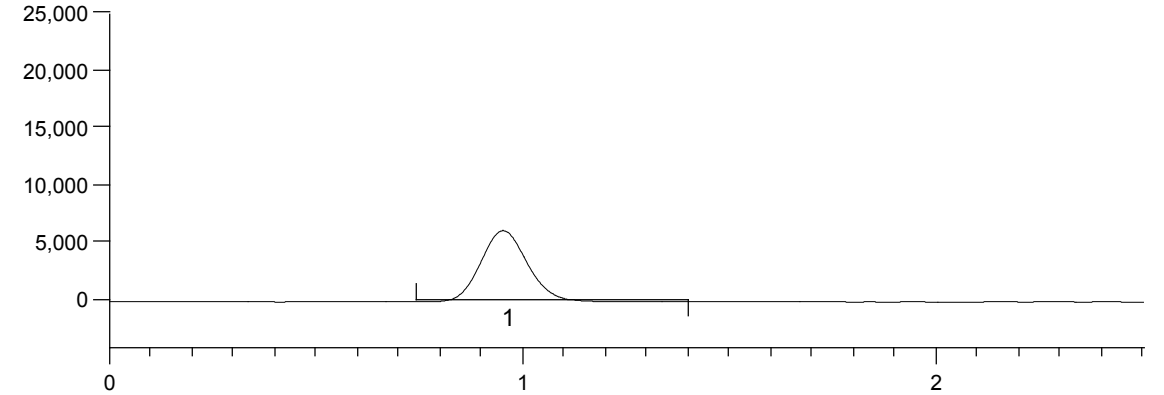


Date: 3/28/14
Time: 6:55 PM

Peak	rt	Area
1	0.94	1,232,076

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
82	Y	S	1412034-05		1	1,232,076	129	0.00		< HS	accept

Notes

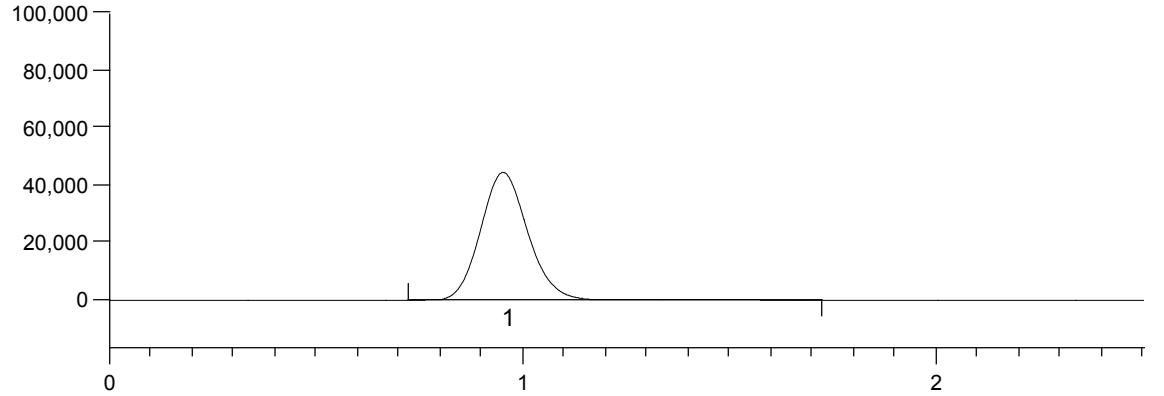


Date: 3/28/14
Time: 7:02 PM

Peak	rt	Area
1	0.95	505,538

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
83	X	S	1412034-06		1	505,538	51.6	0.00		< HS	accept

Notes



Date: 3/28/14
Time: 7:09 PM

Peak	rt	Area
1	0.95	3,603,724

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
84	Y	S	1412034-07		1	3,603,724	381	0.00		< HS	accept

Notes

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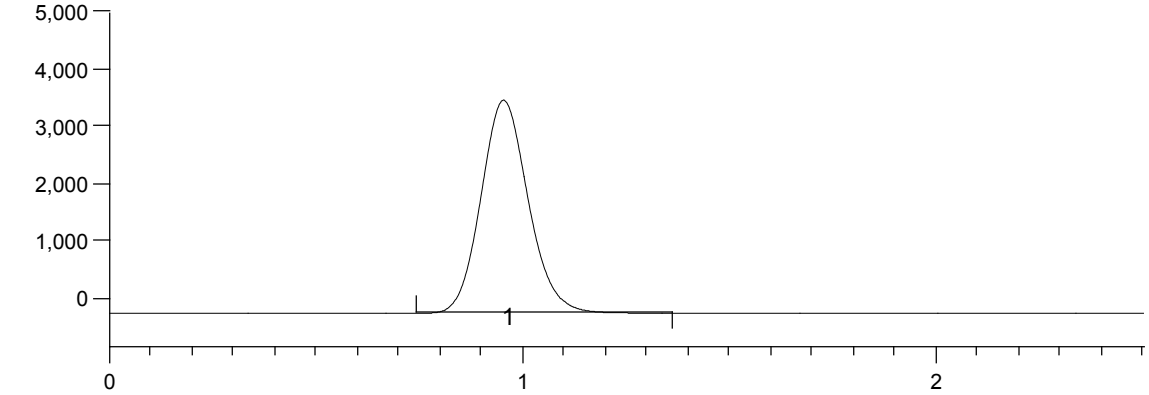
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

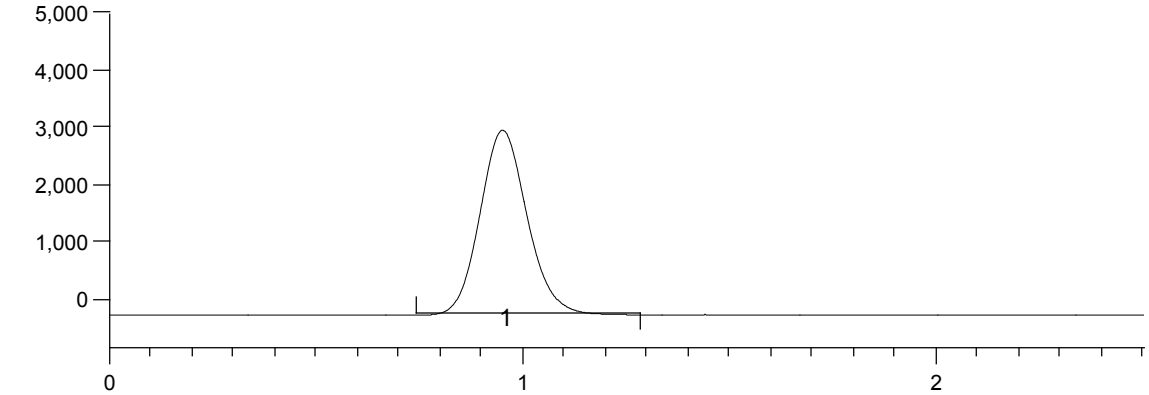
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 7:16 PM

Peak	rt	Area
1	0.95	300,278

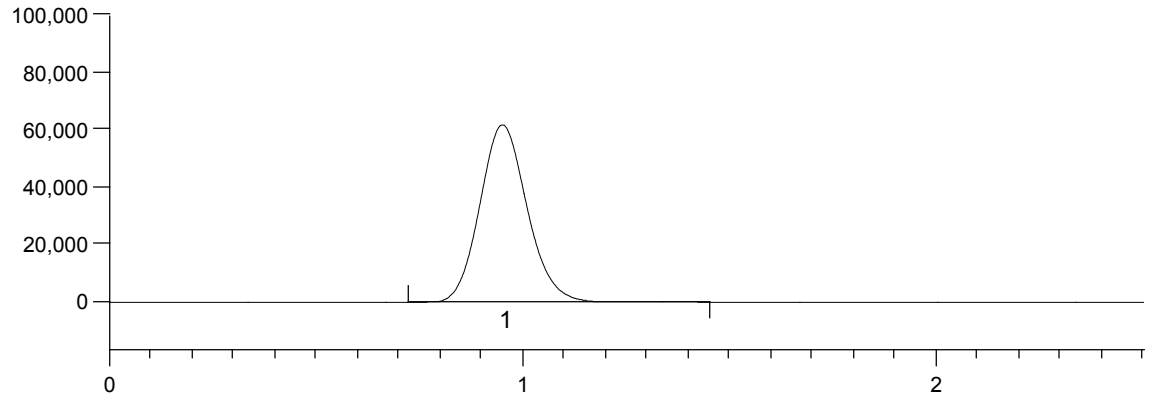
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
85	X	S	1412035-01		1	300,278	29.8	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 7:23 PM

Peak	rt	Area
1	0.95	259,493

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
86	Y	S	1412035-03		1	259,493	25.4	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 7:30 PM

Peak	rt	Area
1	0.95	4,988,514

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
87	X	CCV	SEQ-CCV		1	4,988,514	528		106	77-123	accept
Notes											

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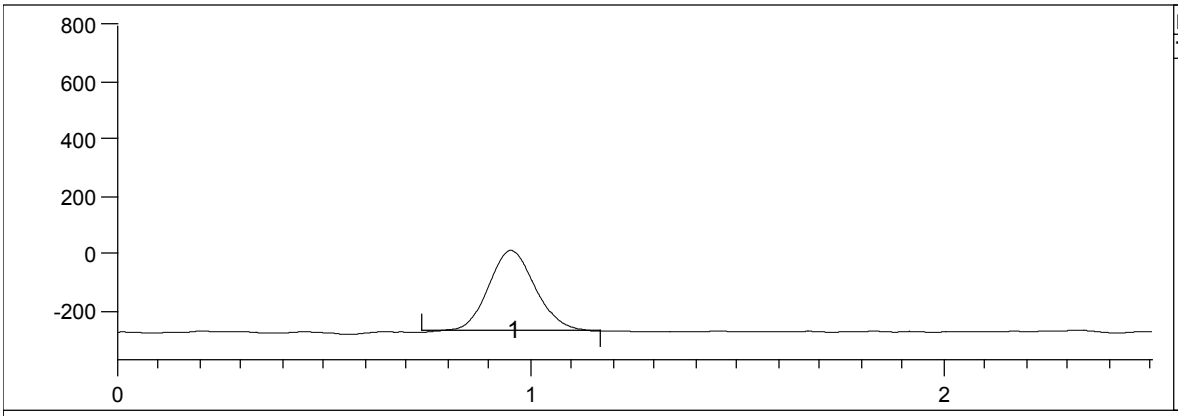
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

Date Analyzed: 3/28/14
Analyst Name: AAP

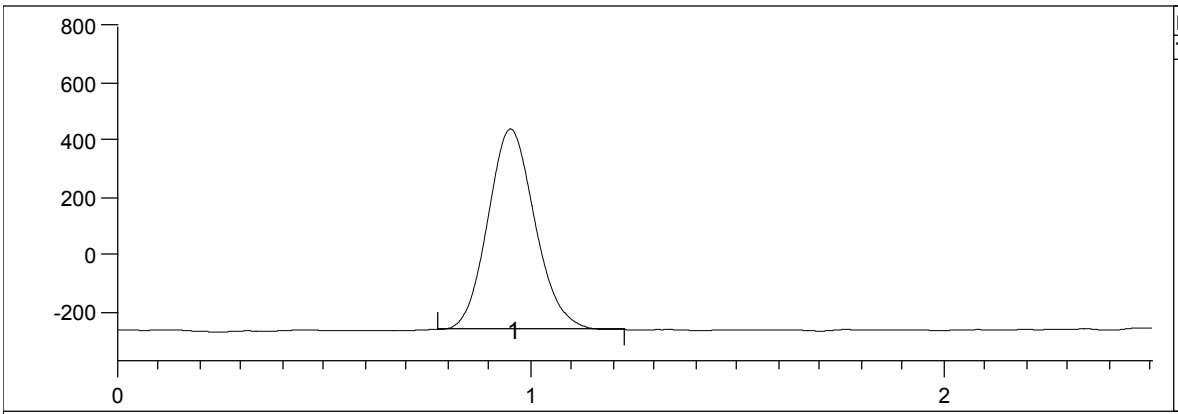


Date: 3/28/14
Time: 7:37 PM

Peak	rt	Area
1	0.95	23,292

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
88	Y	CCB	SEQ-CCB		1	23,292	2.48		2.48	< 10	accept

Notes

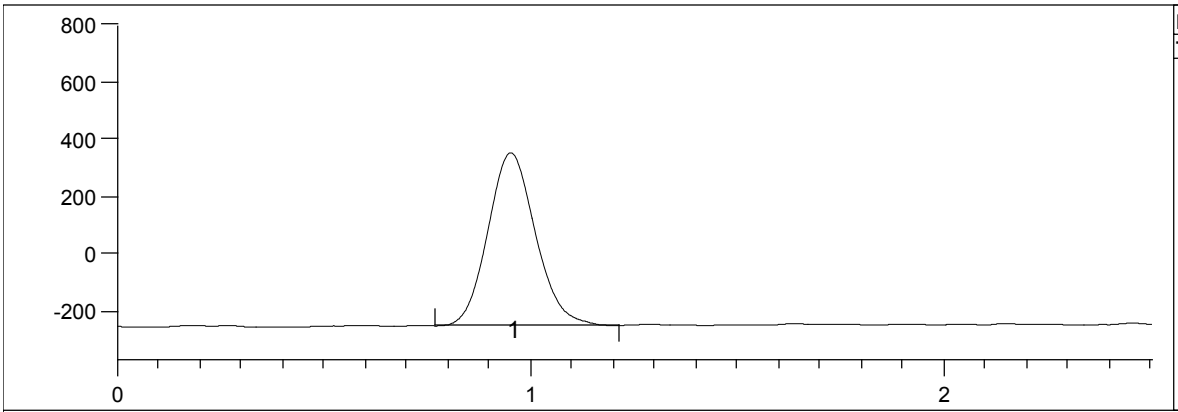


Date: 3/28/14
Time: 7:44 PM

Peak	rt	Area
1	0.95	55,854

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
89	X	S	B140472-BLK1		1	55,854	3.78	0.00		< HS	accept

Notes



Date: 3/28/14
Time: 7:51 PM

Peak	rt	Area
1	0.95	48,932

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
90	Y	S	B140472-BLK2		1	48,932	3.05	0.00		< HS	accept

Notes

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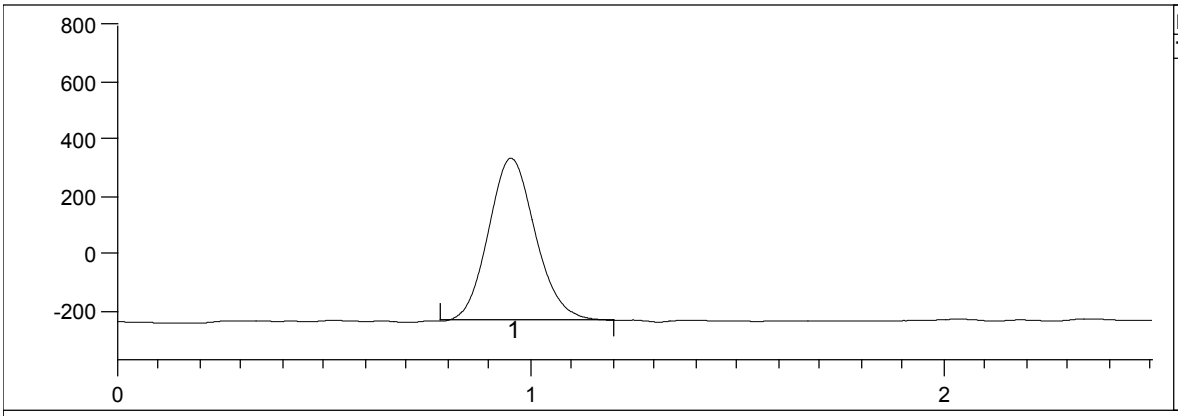
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

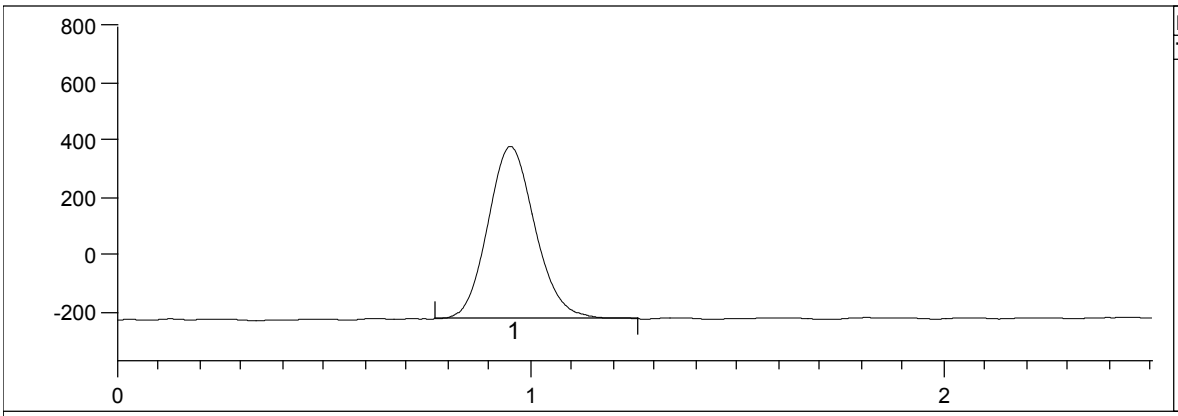
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 7:58 PM

Peak	rt	Area
1	0.95	45,635

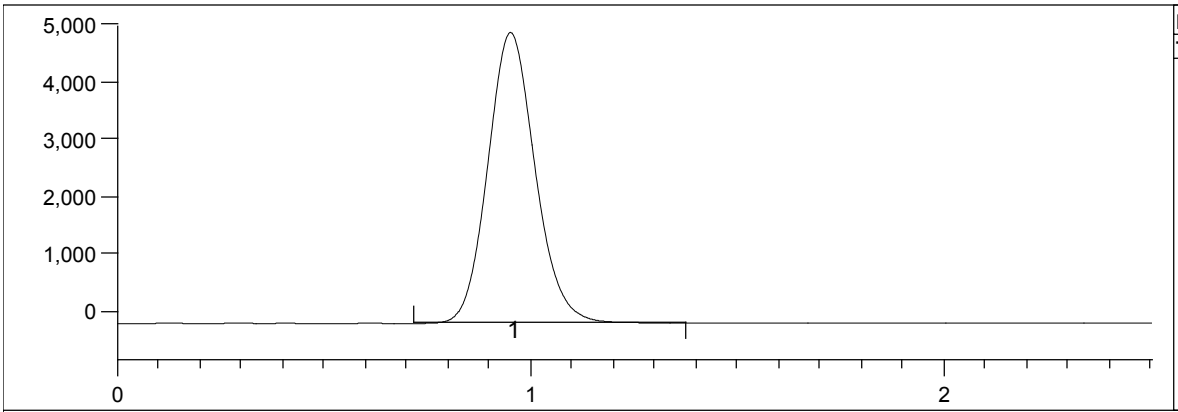
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
91	X	S	B140472-BLK3		1	45,635	2.70	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 8:05 PM

Peak	rt	Area
1	0.94	48,473

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
92	Y	S	B140472-BLK4		1	48,473	3.00	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 8:12 PM

Peak	rt	Area
1	0.95	408,329

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
93	X	S	1412016-04		1	408,329	41.3	0.00		< HS	accept
Notes											

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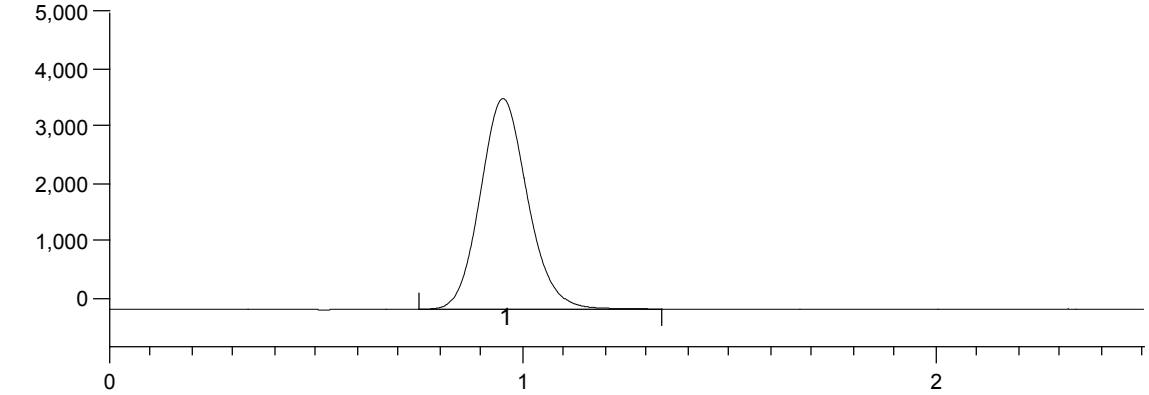
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

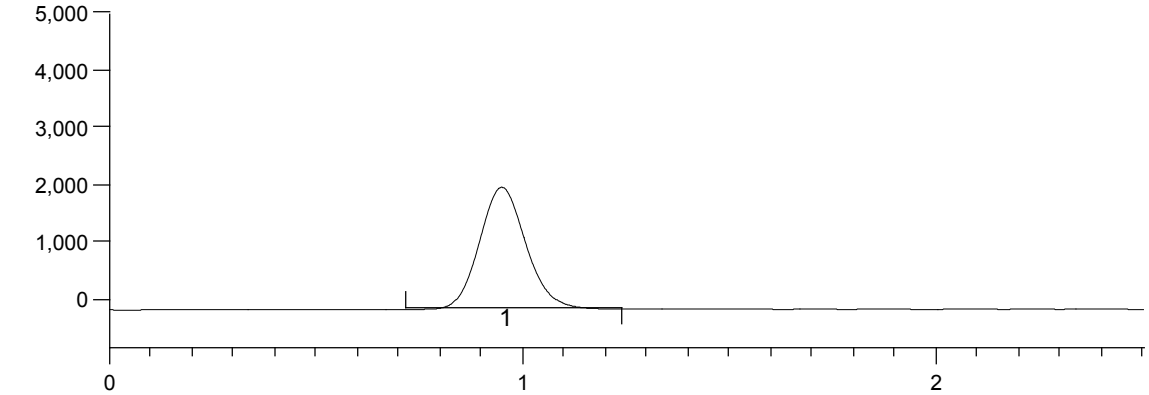
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 8:19 PM

Peak	rt	Area
1	0.95	295,682

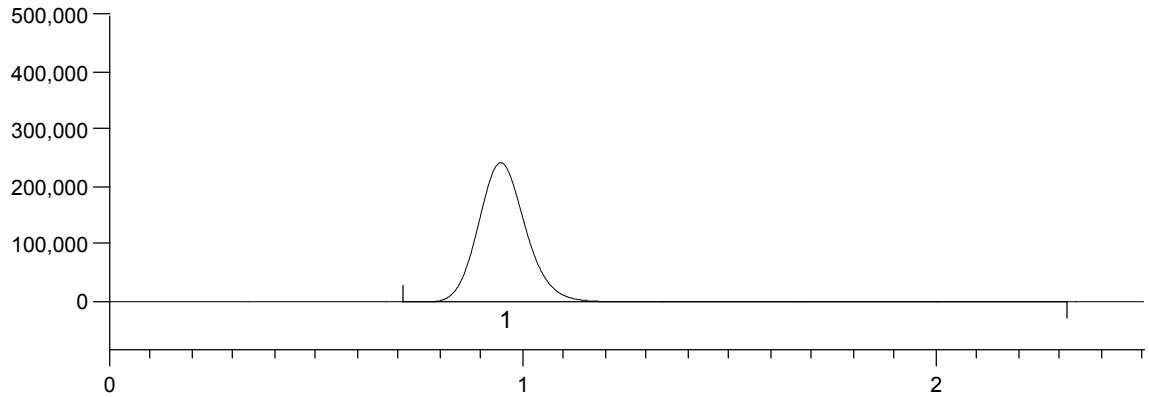
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
94	Y	S	1412015-01		1	295,682	29.3	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 8:26 PM

Peak	rt	Area
1	0.94	170,215

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
95	X	S	1412015-02		1	170,215	15.9	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 8:33 PM

Peak	rt	Area
1	0.94	19,547,955

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
96	Y	S	1412016-02		1	19,547,955	2,080	0.00		< HS	accept
Notes											

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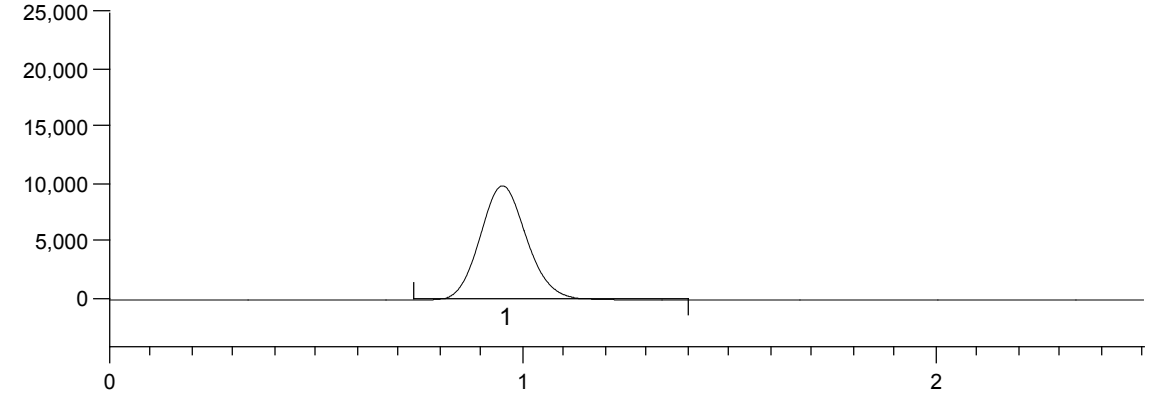
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP

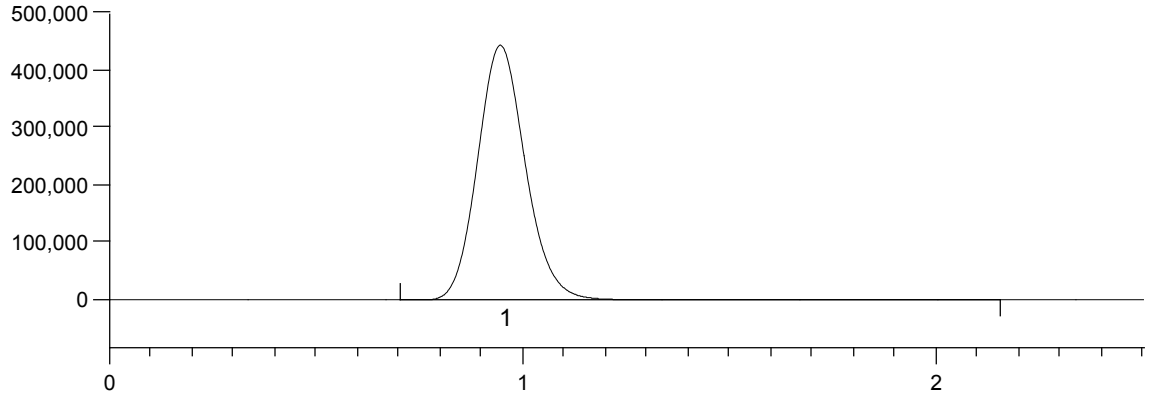


Date: 3/28/14
Time: 8:40 PM

Peak	rt	Area
1	0.95	801,129

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
97	X	S	1412016-03		1	801,129	83.0	0.00		< HS	accept

Notes

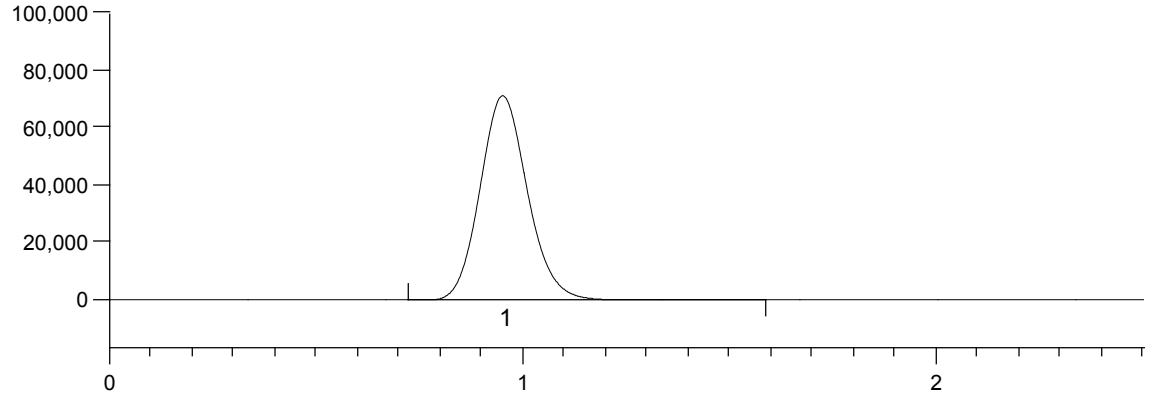


Date: 3/28/14
Time: 8:47 PM

Peak	rt	Area
1	0.94	36,005,722

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
98	Y	S	1412016-09		1	36,005,722	3,830	0.00		< HS	accept

Notes



Date: 3/28/14
Time: 8:54 PM

Peak	rt	Area
1	0.95	5,740,616

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
99	X	CCV	SEQ-CCV		1	5,740,616	608		122	77-123	accept

Notes

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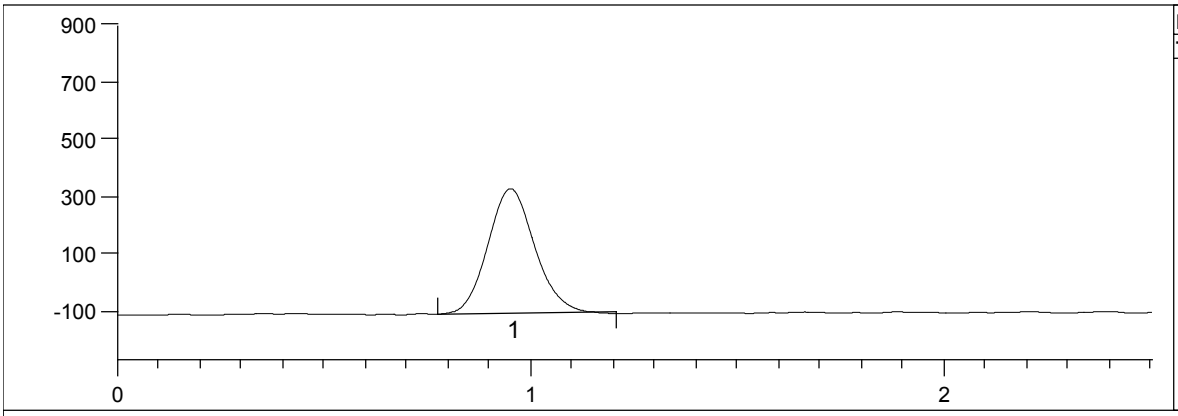
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

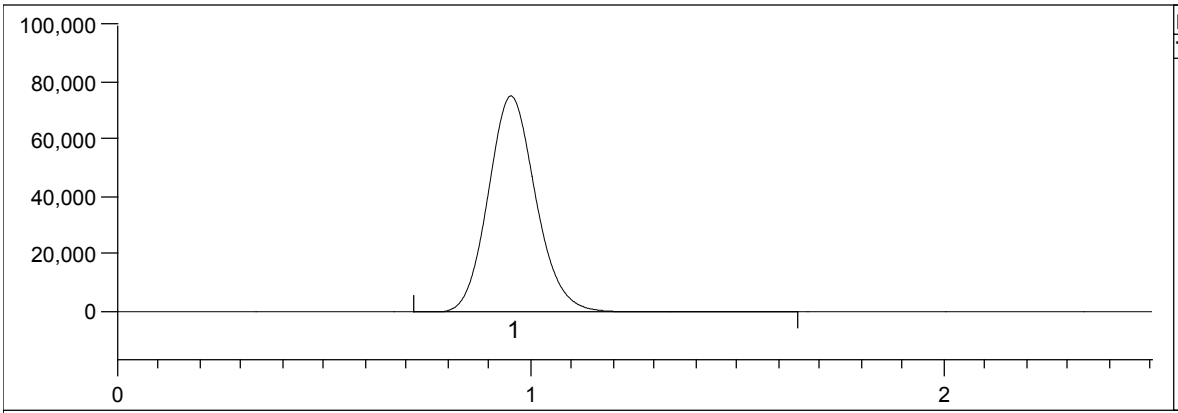
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 9:01 PM

Peak	rt	Area
1	0.95	35,697

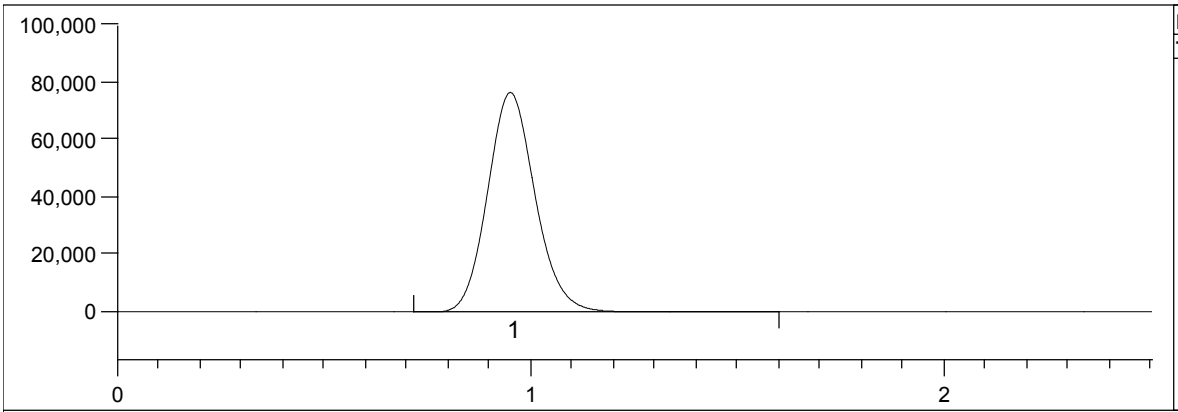
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
100	Y	CCB	SEQ-CCB		1	35,697	3.80		3.80	< 10	accept
Notes											



Date: 3/28/14
Time: 9:08 PM

Peak	rt	Area
1	0.95	6,077,184

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
101	X	S	1412016-10		1	6,077,184	644	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 9:15 PM

Peak	rt	Area
1	0.95	6,166,383

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
102	Y	S	1412016-14		1	6,166,383	654	0.00		< HS	accept
Notes											

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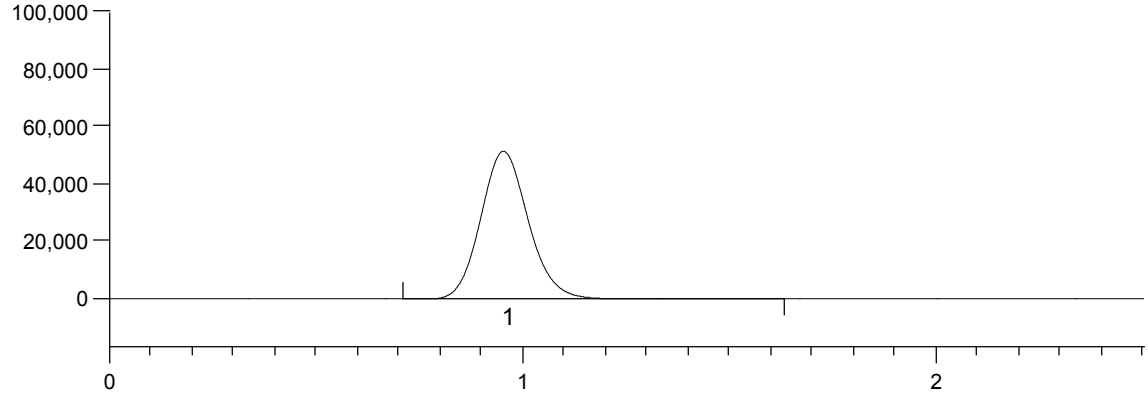
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

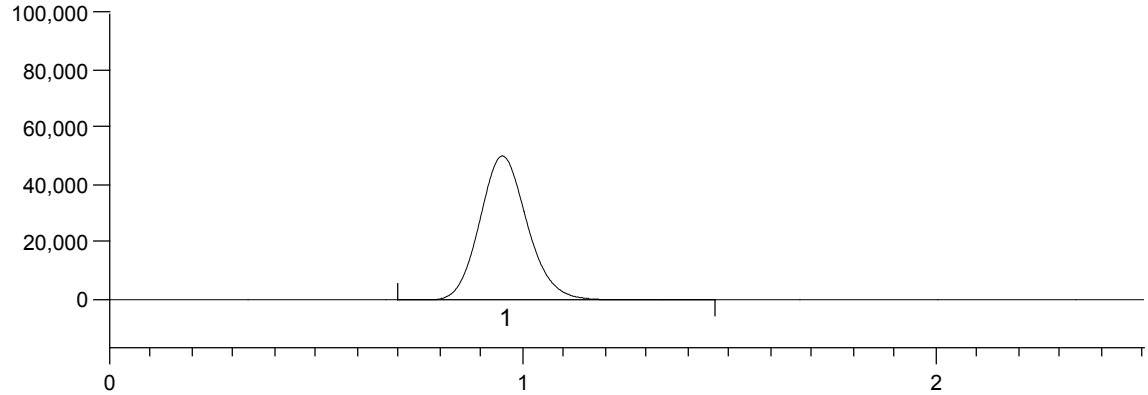
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 9:22 PM

Peak	rt	Area
1	0.95	4,161,530

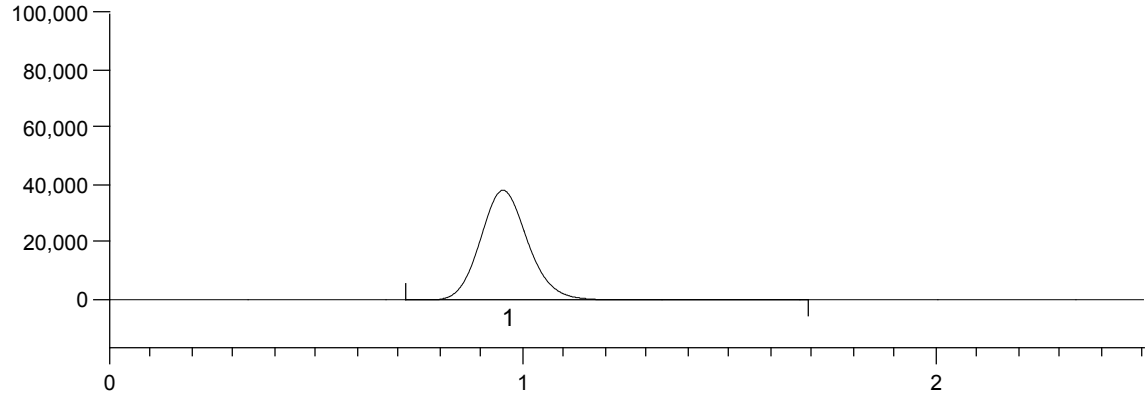
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
103	X	S	1412016-15		1	4,161,530	440.	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 9:29 PM

Peak	rt	Area
1	0.95	4,044,270

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
104	Y	S	1412016-18		1	4,044,270	428	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 9:36 PM

Peak	rt	Area
1	0.95	3,087,273

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
105	X	S	1412016-19		1	3,087,273	326	0.00		< HS	accept
Notes											

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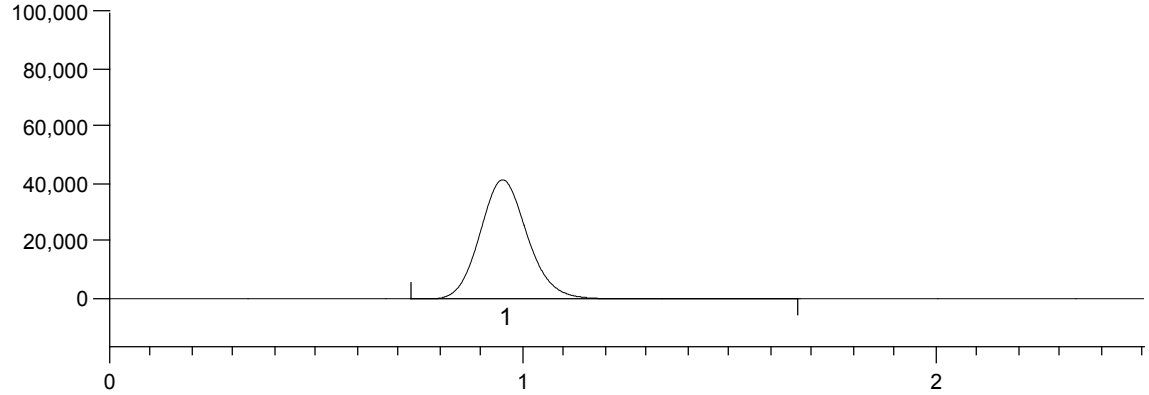
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

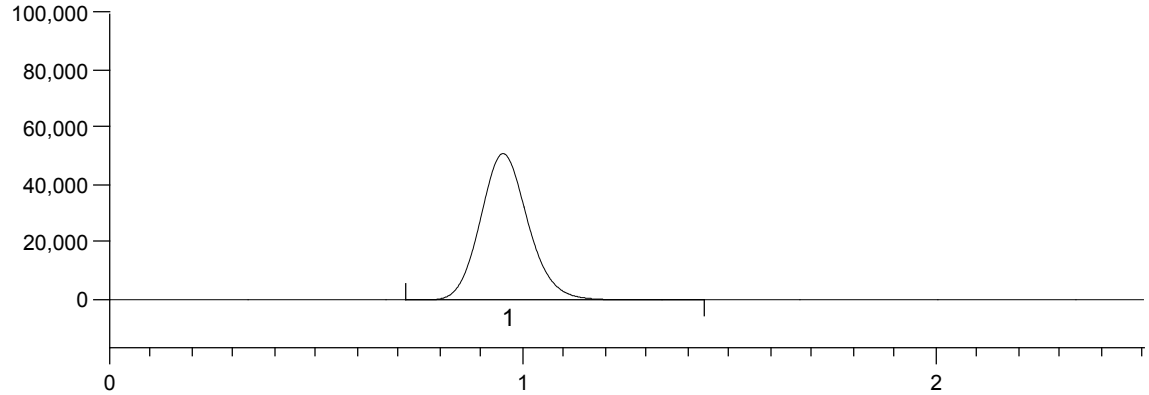
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 9:43 PM

Peak	rt	Area
1	0.95	3,348,690

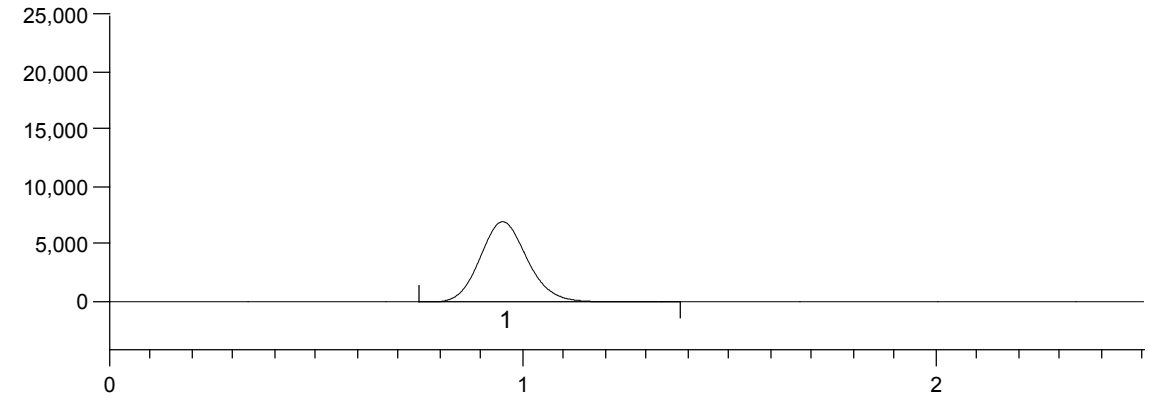
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
106	Y	S	1412016-22		1	3,348,690	354	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 9:50 PM

Peak	rt	Area
1	0.95	4,120,203

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
107	X	S	1412016-23		1	4,120,203	436	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 9:57 PM

Peak	rt	Area
1	0.95	561,583

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
108	Y	S	1412016-26		1	561,583	57.6	0.00		< HS	accept
Notes											

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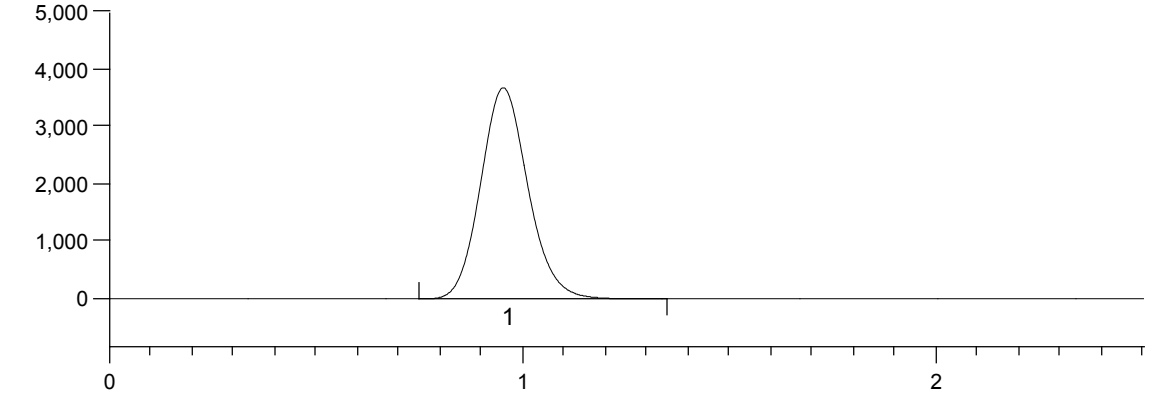
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

Date Analyzed: 3/28/14
Analyst Name: AAP

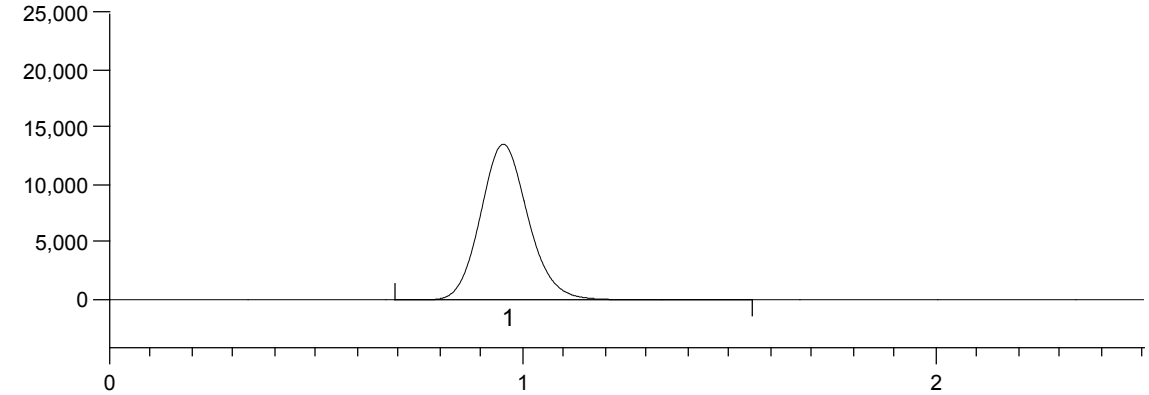


Date: 3/28/14
Time: 10:04 PM

Peak	rt	Area
1	0.95	295,082

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
109	X	S	1412016-27		1	295,082	29.2	0.00		< HS	accept

Notes

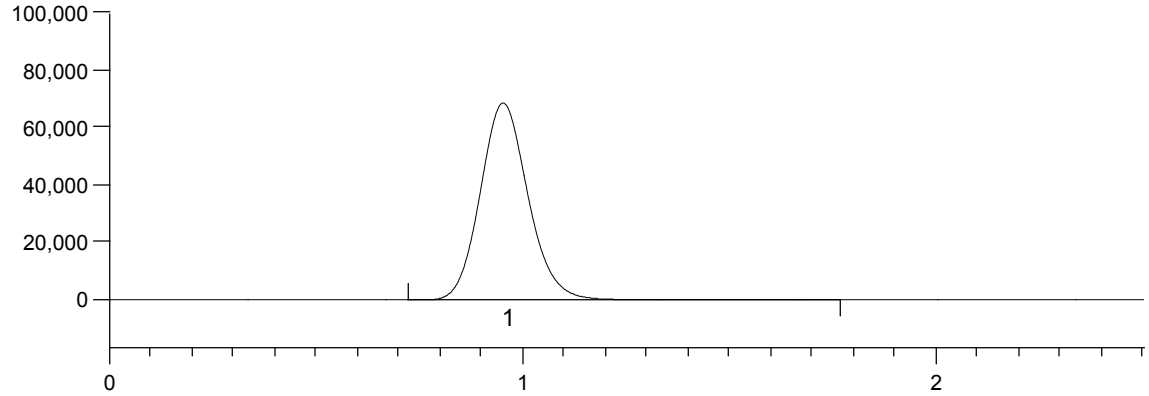


Date: 3/28/14
Time: 10:11 PM

Peak	rt	Area
1	0.95	1,093,203

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
110	Y	S	1412016-30		1	1,093,203	114	0.00		< HS	accept

Notes



Date: 3/28/14
Time: 10:18 PM

Peak	rt	Area
1	0.95	5,547,987

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
111	X	CCV	SEQ-CCV		1	5,547,987	588		118	77-123	accept

Notes

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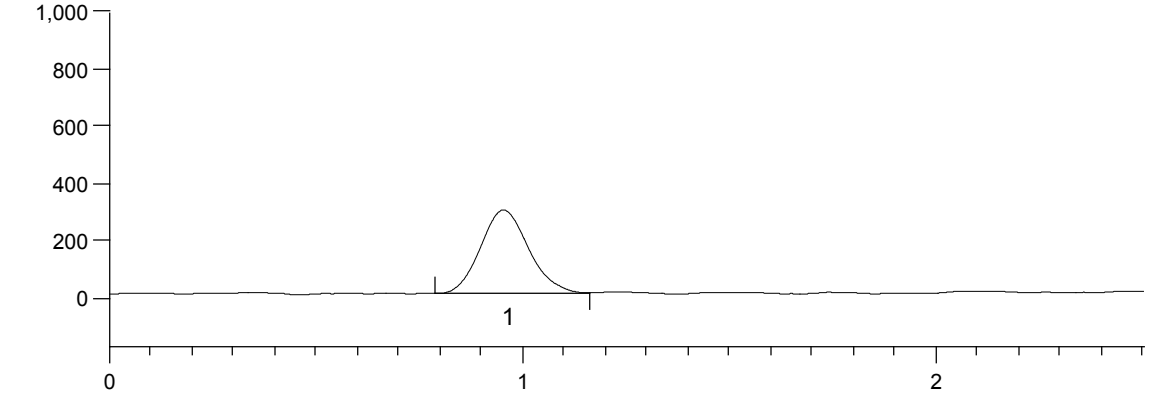
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

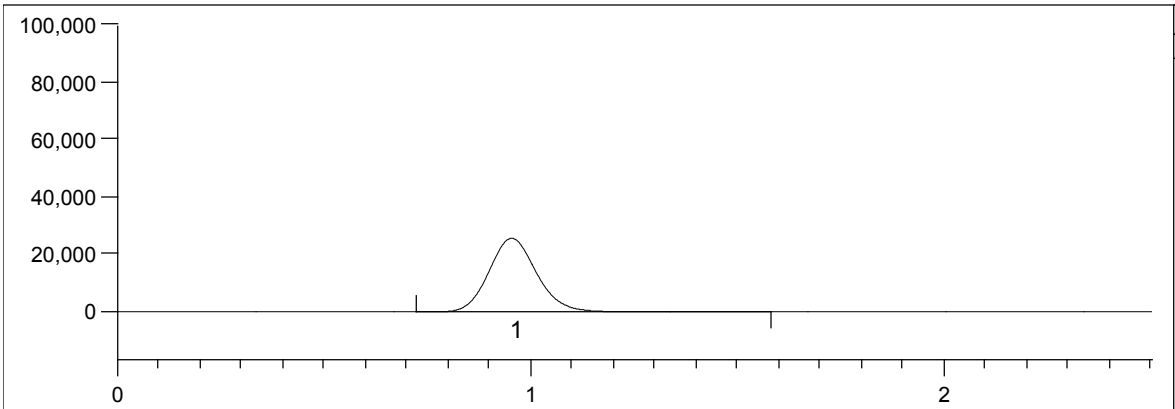
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/28/14
Time: 10:25 PM

Peak	rt	Area
1	0.95	23,599

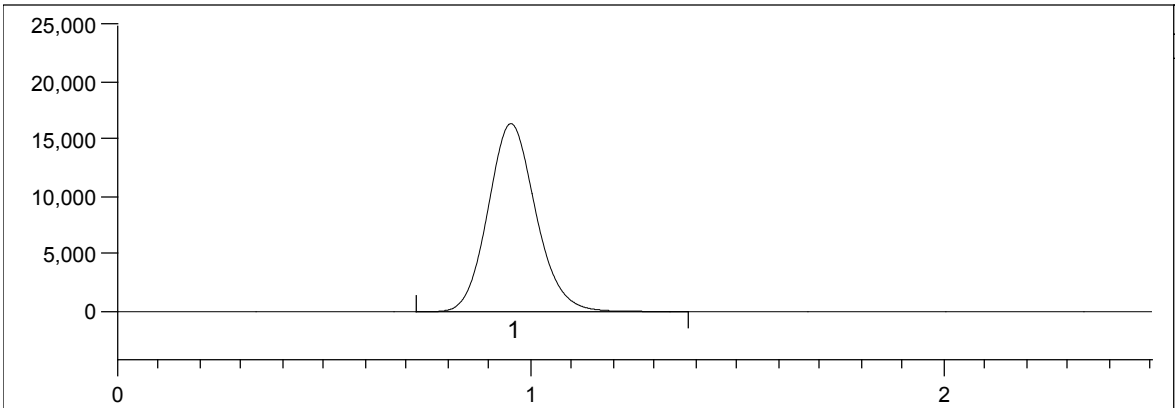
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
112	Y	CCB	SEQ-CCB		1	23,599	2.51		2.51	< 10	accept
Notes											



Date: 3/28/14
Time: 10:32 PM

Peak	rt	Area
1	0.95	2,068,874

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
113	X	S	1412016-32		1	2,068,874	218	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 10:39 PM

Peak	rt	Area
1	0.95	1,320,679

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
114	Y	S	1412016-35		1	1,320,679	138	0.00		< HS	accept
Notes											

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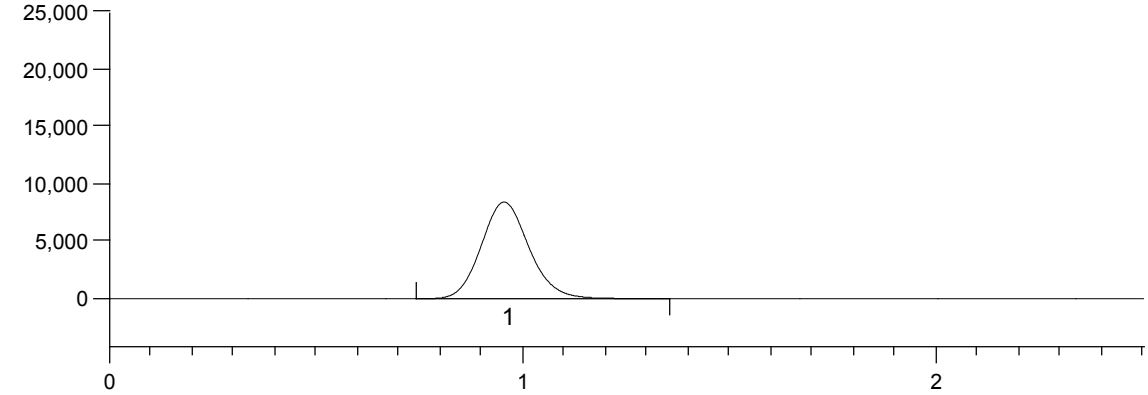
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

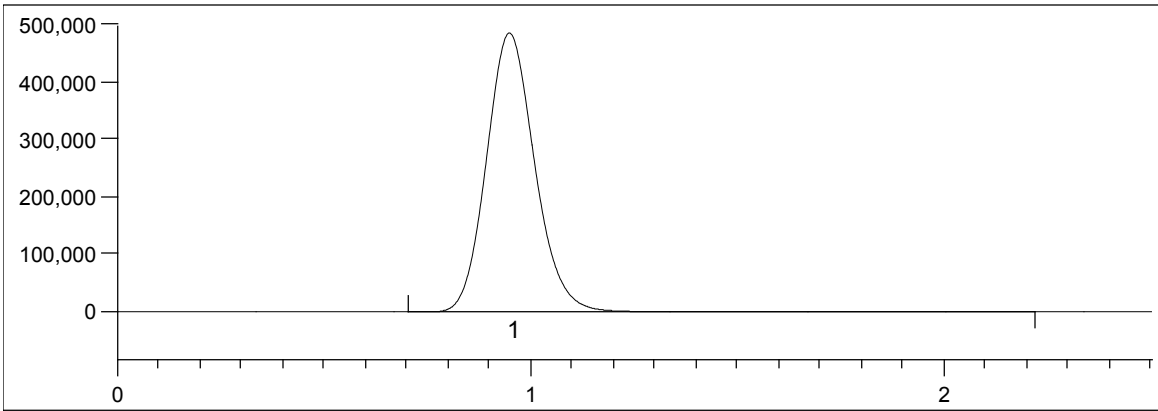
Date Analyzed: 3/28/14
Analyst Name: AAP



Date: 3/28/14
Time: 10:46 PM

Peak	rt	Area
1	0.95	680,420

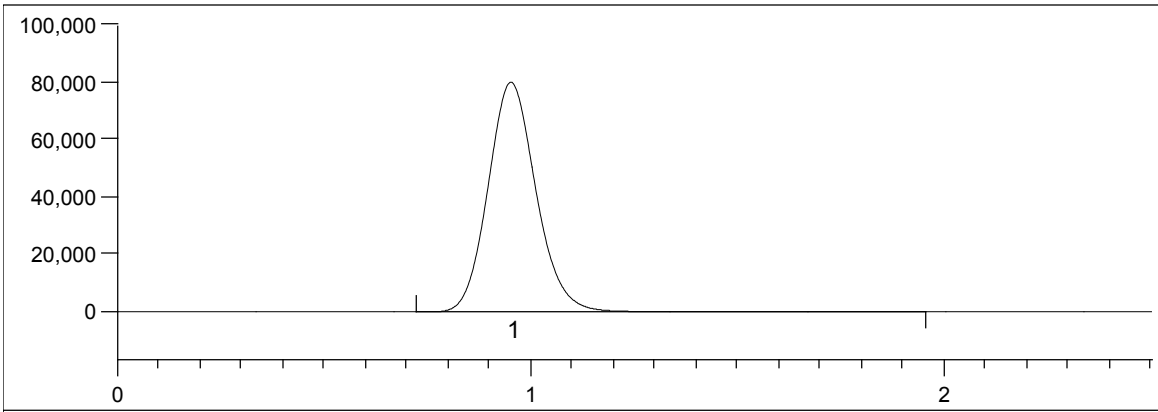
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
115	X	S	1412016-37		1	680,420	70.2	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 10:53 PM

Peak	rt	Area
1	0.94	39,698,943

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
116	Y	S	1412016-39		1	39,698,943	4,220	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 11:00 PM

Peak	rt	Area
1	0.95	6,481,269

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
117	X	S	1412016-41		1	6,481,269	687	0.00		< HS	accept
Notes											

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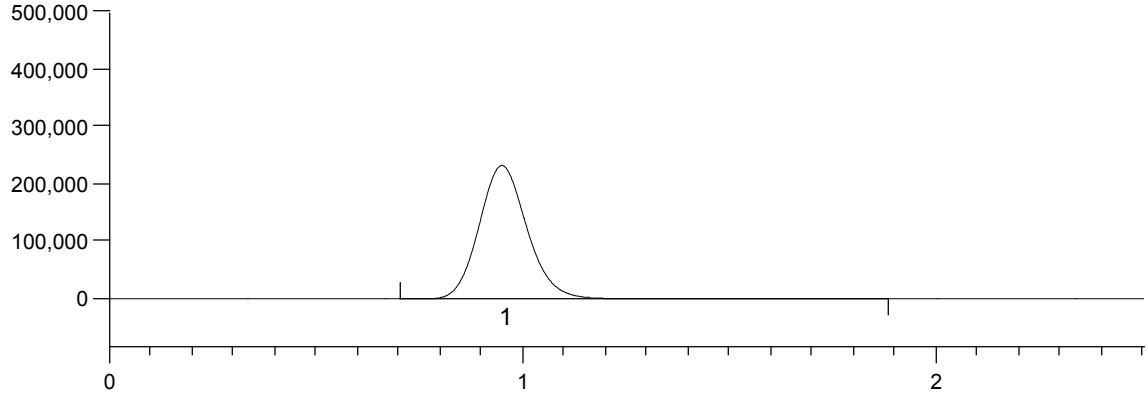
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

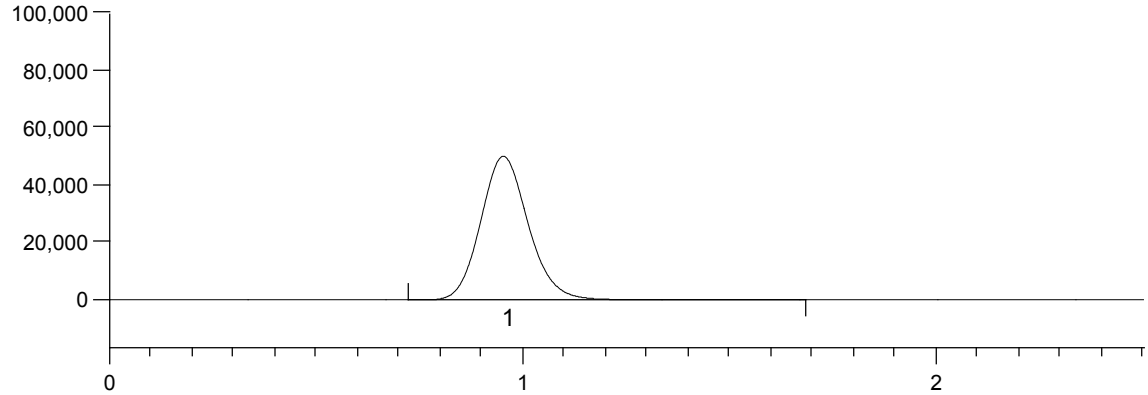
Date Analyzed: 3/28/14
Analyst Name: AAP



Date: 3/28/14
Time: 11:07 PM

Peak	rt	Area
1	0.94	18,872,542

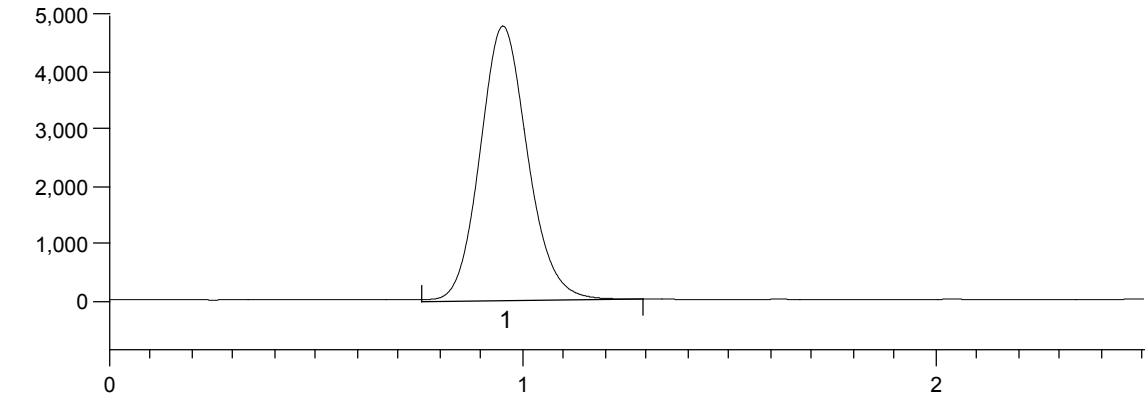
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
118	Y	S	1412016-43		1	18,872,542	2,000	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 11:14 PM

Peak	rt	Area
1	0.95	4,021,833

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
119	X	S	1412016-45		1	4,021,833	426	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 11:21 PM

Peak	rt	Area
1	0.95	381,661

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
120	Y	S	1412017-01		1	381,661	38.4	0.00		< HS	accept
Notes											

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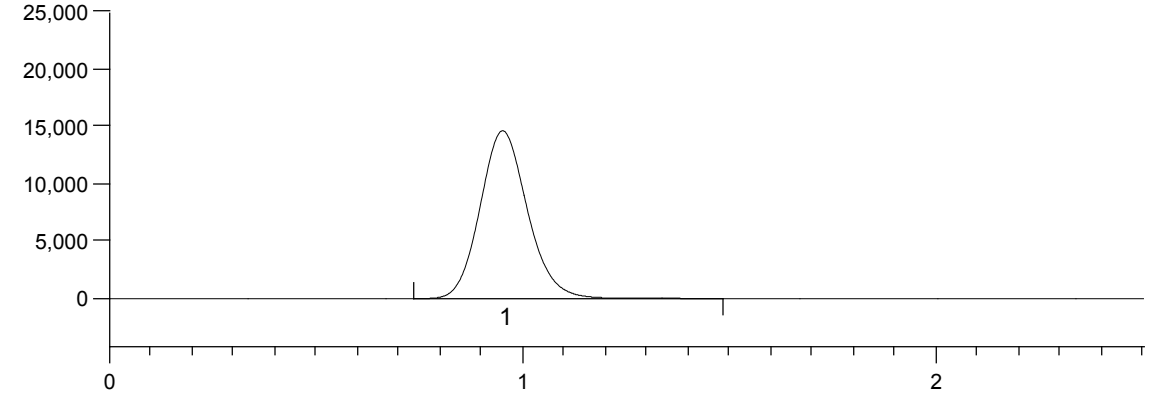
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

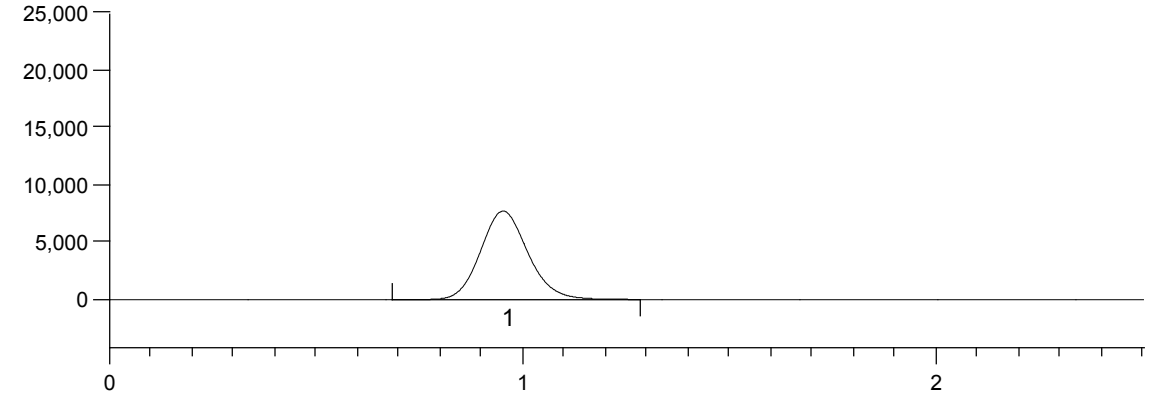
Date Analyzed: 3/28/14
Analyst Name: AAP



Date: 3/28/14
Time: 11:28 PM

Peak	rt	Area
1	0.95	1,169,355

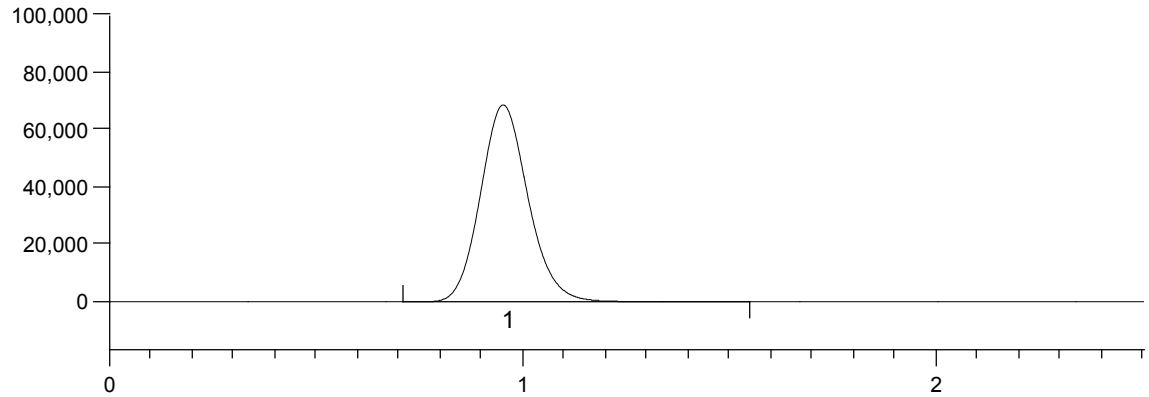
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
121	X	S	B140472-MS1		1	1,169,355	122	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 11:35 PM

Peak	rt	Area
1	0.95	616,188

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
122	Y	S	B140472-MSD1		1	616,188	63.4	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 11:42 PM

Peak	rt	Area
1	0.95	5,531,593

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
123	X	CCV	SEQ-CCV		1	5,531,593	586		117	77-123	accept
Notes											

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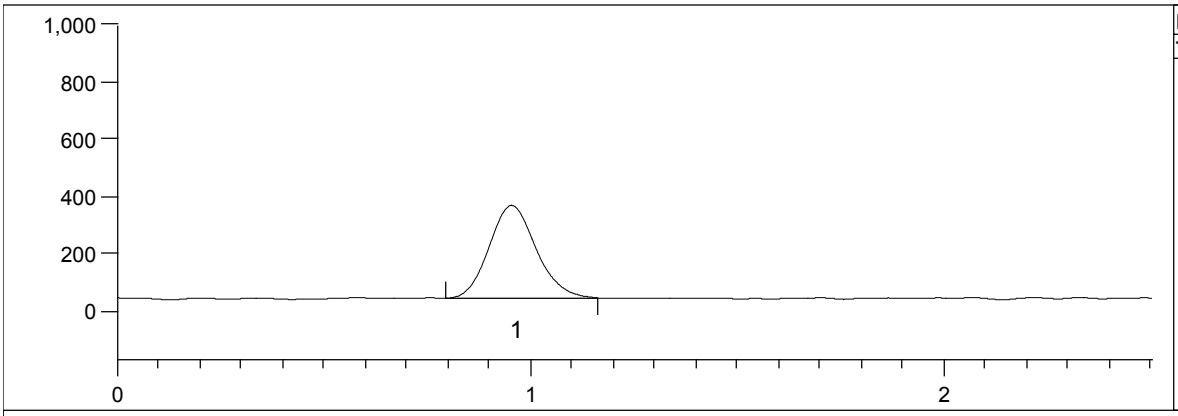
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

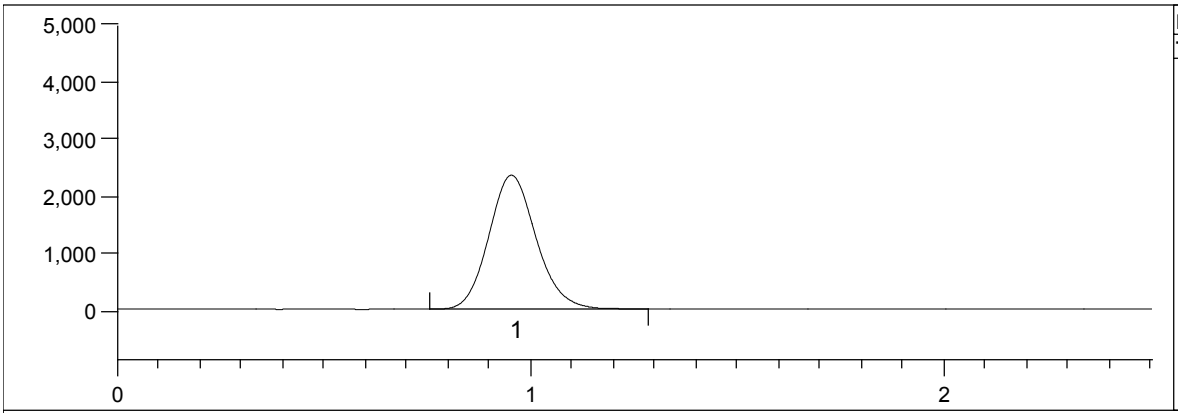
Date Analyzed: 3/28/14
Analyst Name: AAP



Date: 3/28/14
Time: 11:49 PM

Peak	rt	Area
1	0.95	25,596

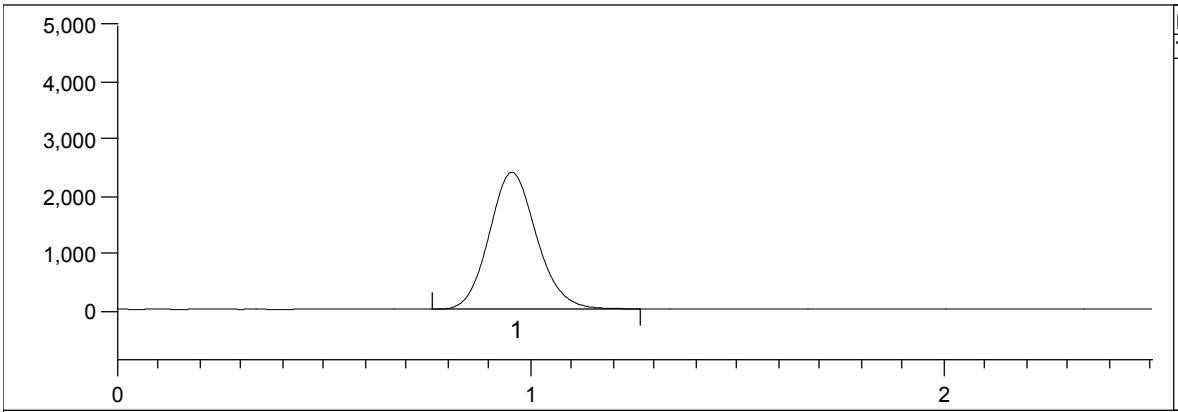
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
124	Y	CCB	SEQ-CCB		1	25,596	2.72		2.72	< 10	accept
Notes											



Date: 3/28/14
Time: 11:56 PM

Peak	rt	Area
1	0.95	186,831

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
125	X	S	1412017-02		1	186,831	17.7	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 12:03 AM

Peak	rt	Area
1	0.95	191,450

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
126	Y	S	1412018-01		1	191,450	18.2	0.00		< HS	accept
Notes											

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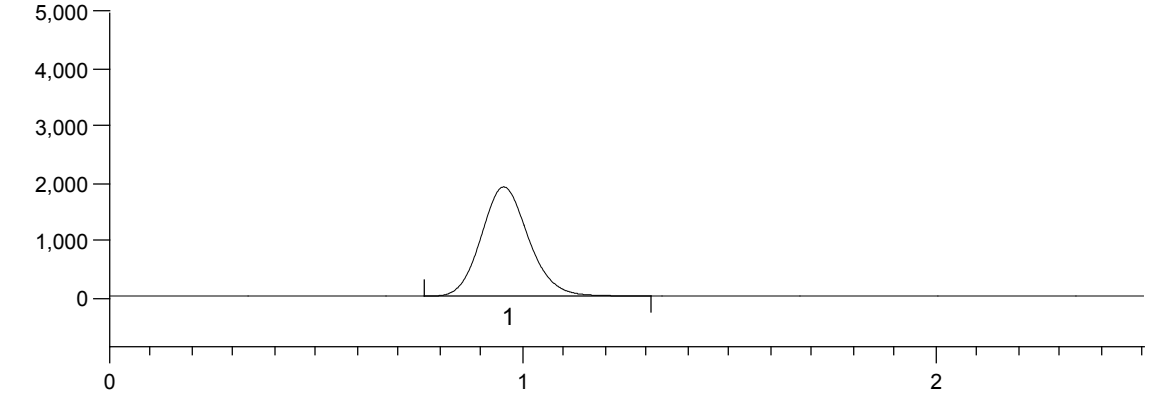
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

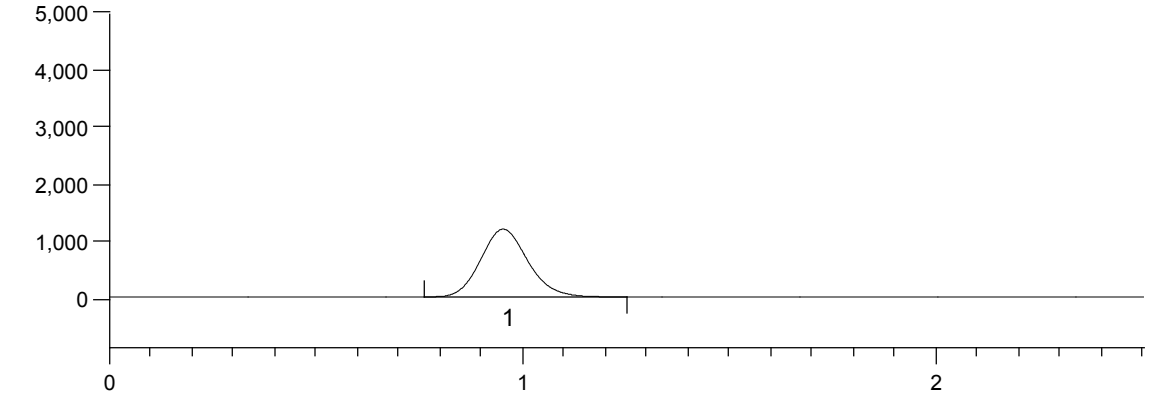
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 12:10 AM

Peak	rt	Area
1	0.95	152,066

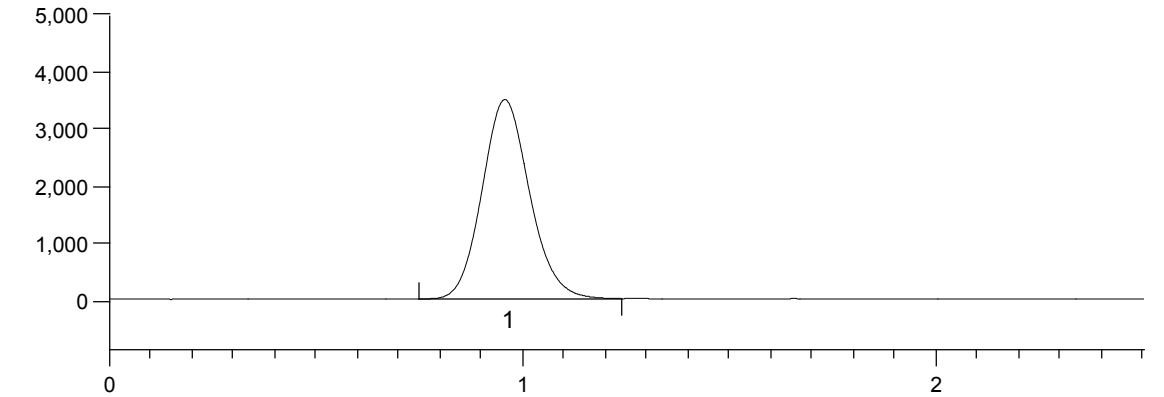
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
127	X	S	1412018-02		1	152,066	14.0	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 12:17 AM

Peak	rt	Area
1	0.95	94,080

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
128	Y	S	1412019-01		1	94,080	7.85	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 12:24 AM

Peak	rt	Area
1	0.95	279,337

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
129	X	S	B140472-MS2		1	279,337	27.5	0.00		< HS	accept
Notes											

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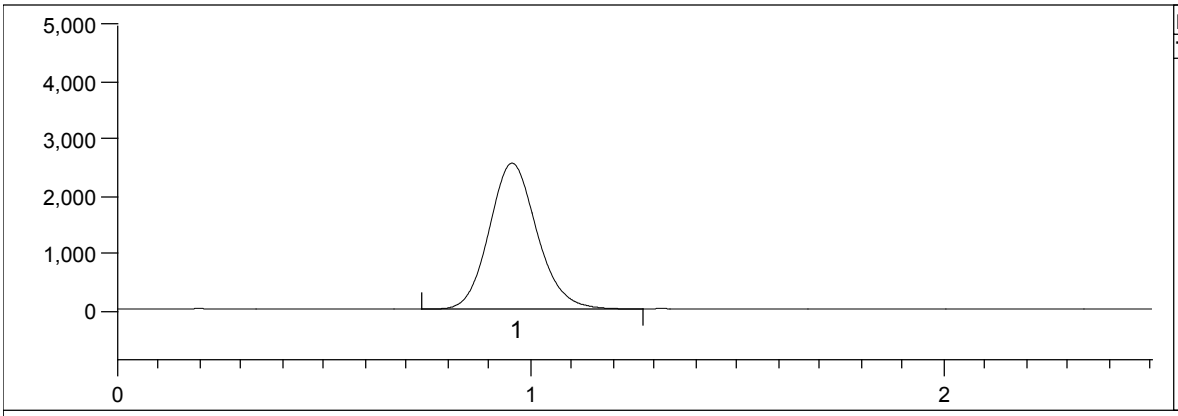
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

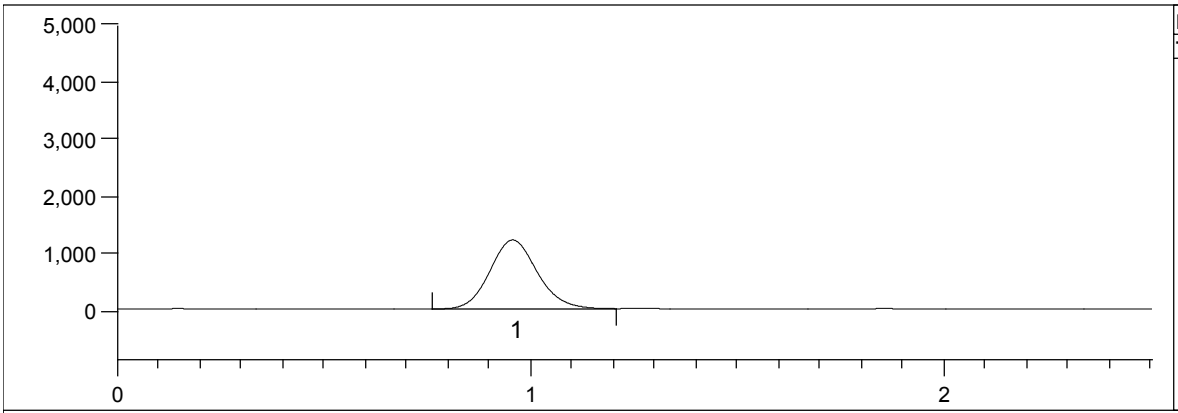
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 12:31 AM

Peak	rt	Area
1	0.95	205,100

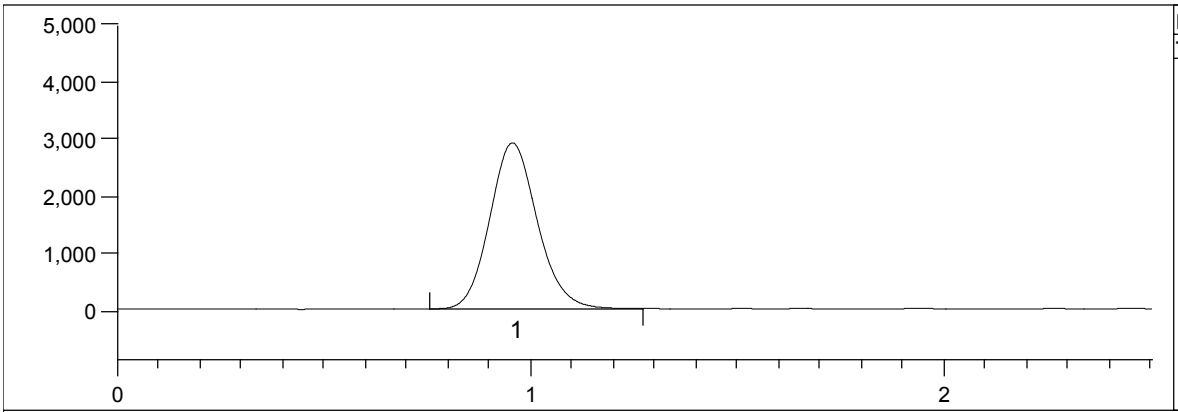
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
130	Y	S	B140472-MSD2		1	205,100	19.7	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 12:38 AM

Peak	rt	Area
1	0.95	96,387

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
131	X	S	1412019-02		1	96,387	8.09	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 12:45 AM

Peak	rt	Area
1	0.95	232,156

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
132	Y	S	1412020-01		1	232,156	22.5	0.00		< HS	accept
Notes											

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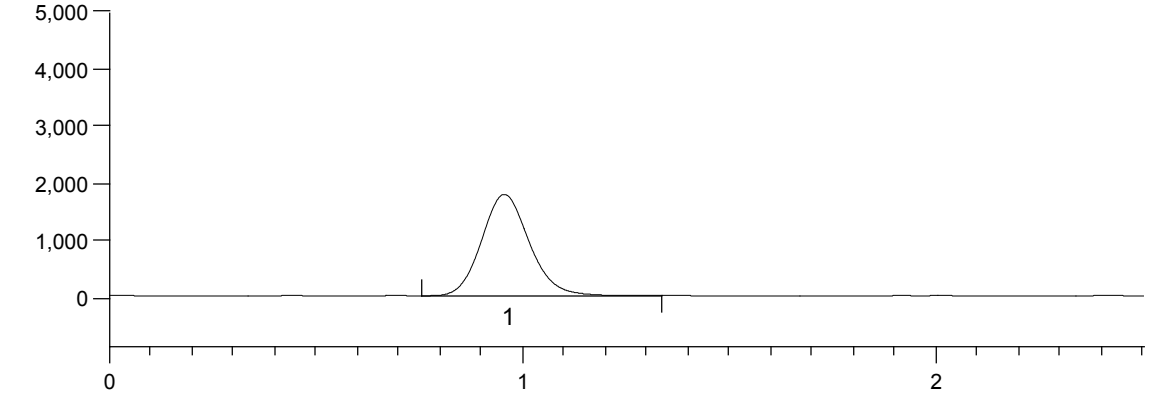
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

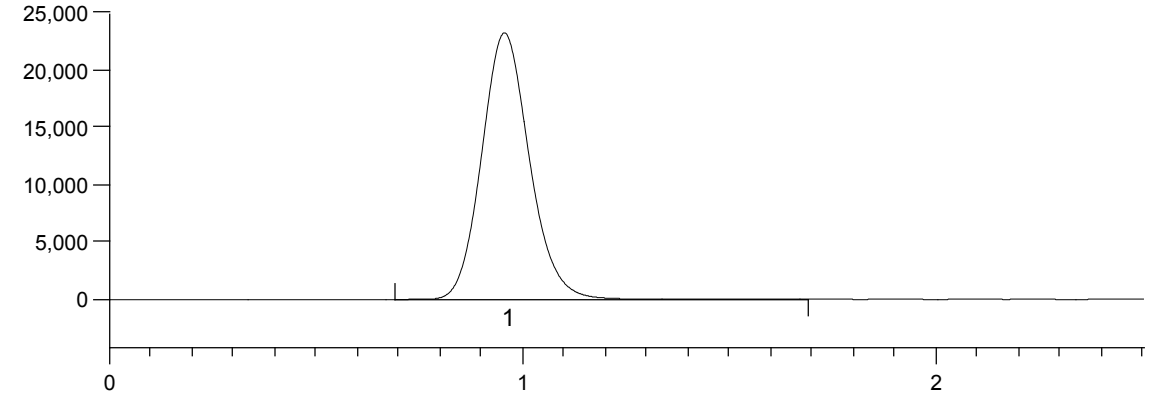
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 12:52 AM

Peak	rt	Area
1	0.95	142,283

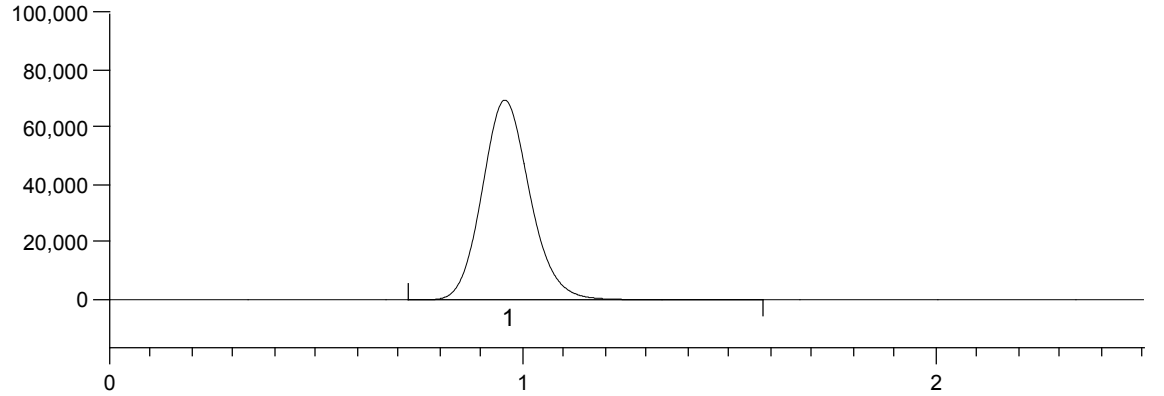
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
133	X	S	1412020-02		1	142,283	13.0	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 12:59 AM

Peak	rt	Area
1	0.95	1,873,809

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
134	Y	S	1412029-01		1	1,873,809	197	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 1:06 AM

Peak	rt	Area
1	0.95	5,628,607

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
135	X	CCV	SEQ-CCV		1	5,628,607	596		119	77-123	accept
Notes											

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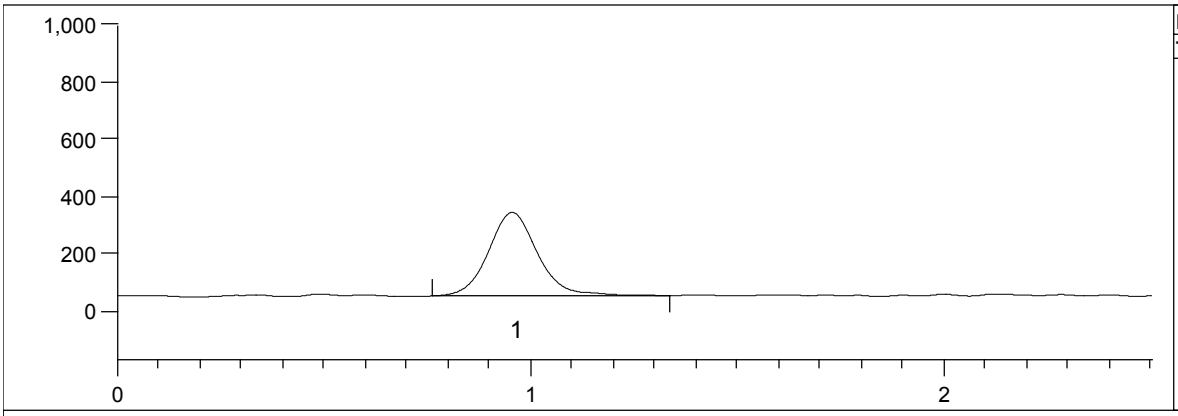
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

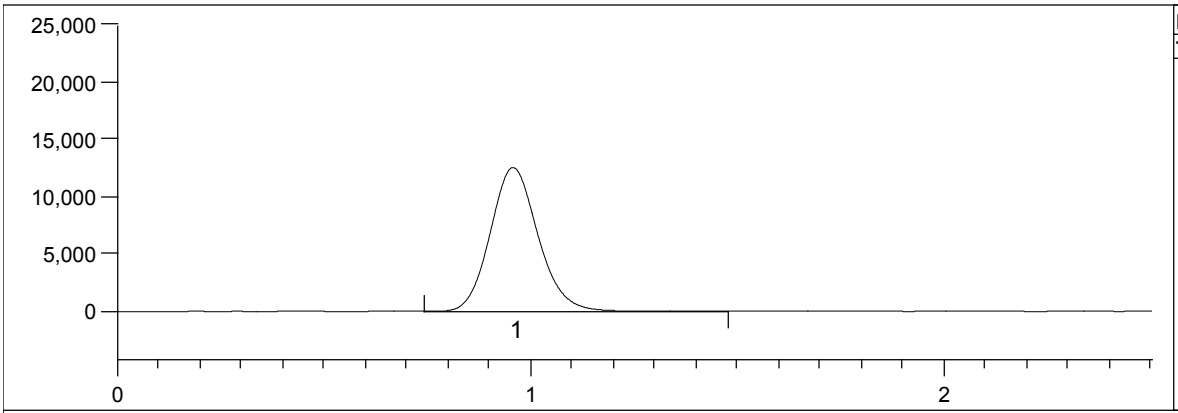
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 1:13 AM

Peak	rt	Area
1	0.95	24,100

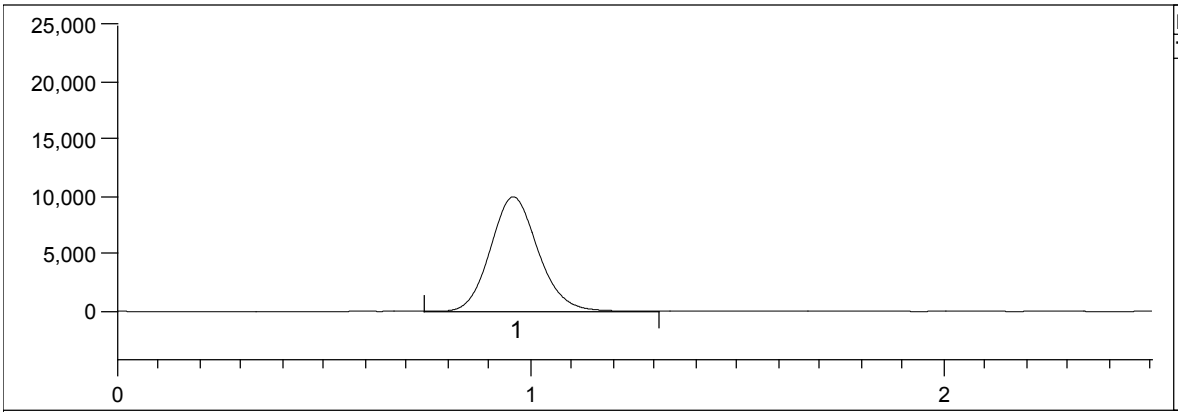
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
136	Y	CCB	SEQ-CCB		1	24,100	2.56		2.56	< 10	accept
Notes											



Date: 3/29/14
Time: 1:20 AM

Peak	rt	Area
1	0.95	1,011,535

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
137	X	S	1412029-02		1	1,011,535	105	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 1:27 AM

Peak	rt	Area
1	0.95	804,755

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
138	Y	S	1412029-03		1	804,755	83.4	0.00		< HS	accept
Notes											

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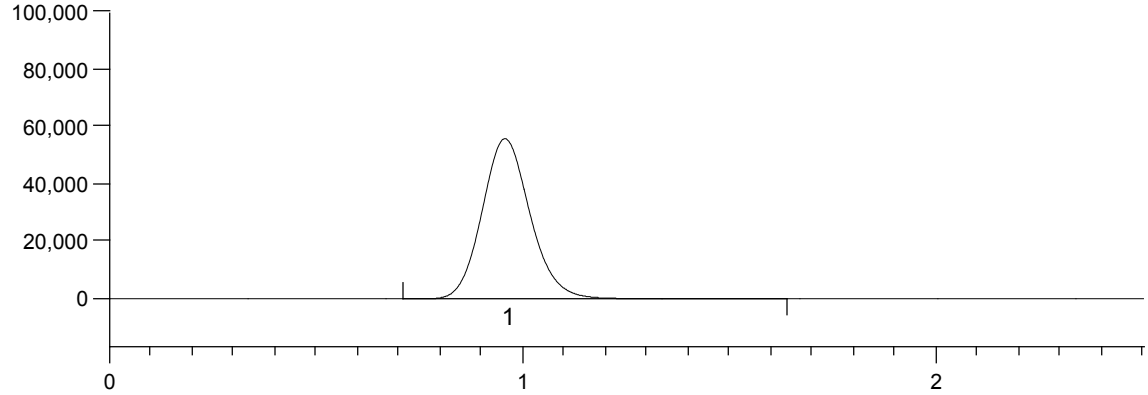
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

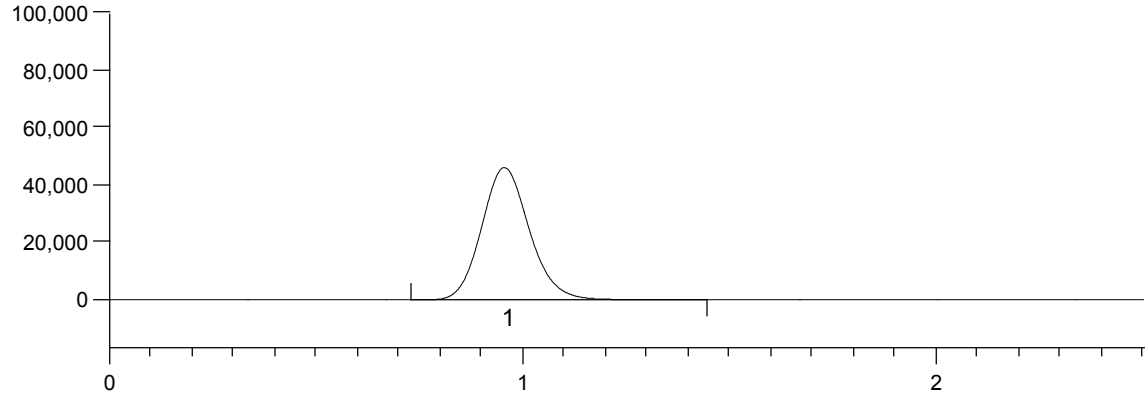
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 1:34 AM

Peak	rt	Area
1	0.95	4,532,480

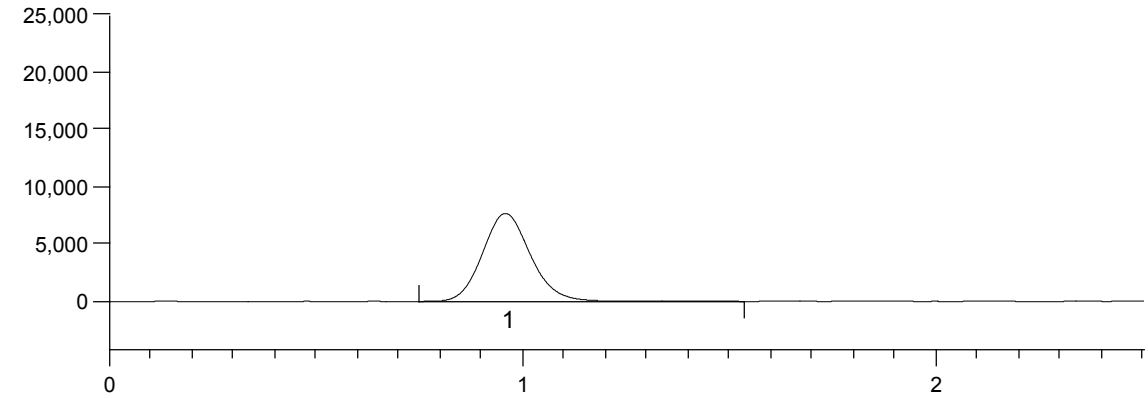
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
139	X	S	B140472-MS3		1	4,532,480	480.	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 1:41 AM

Peak	rt	Area
1	0.95	3,725,964

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
140	Y	S	B140472-MSD3		1	3,725,964	394	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 1:48 AM

Peak	rt	Area
1	0.95	621,029

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
141	X	S	1412029-04		1	621,029	63.9	0.00		< HS	accept
Notes											

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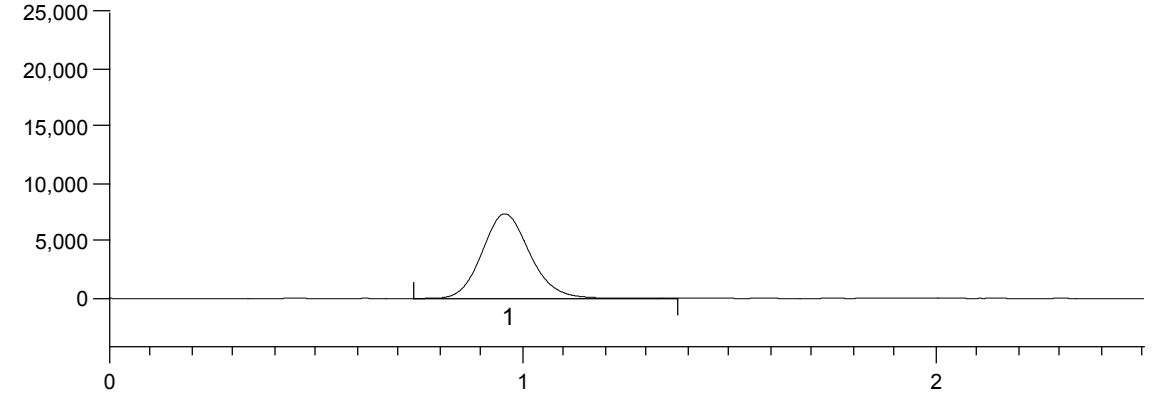
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

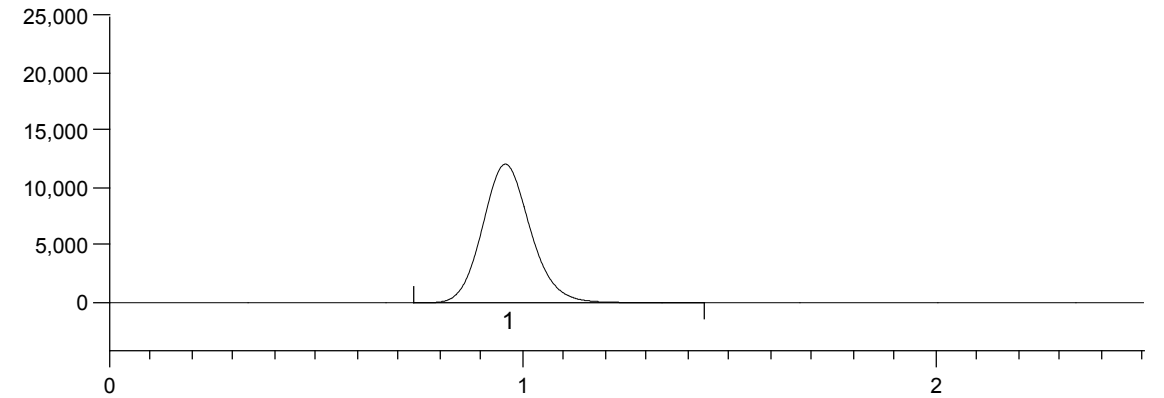
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 1:55 AM

Peak	rt	Area
1	0.95	595,881

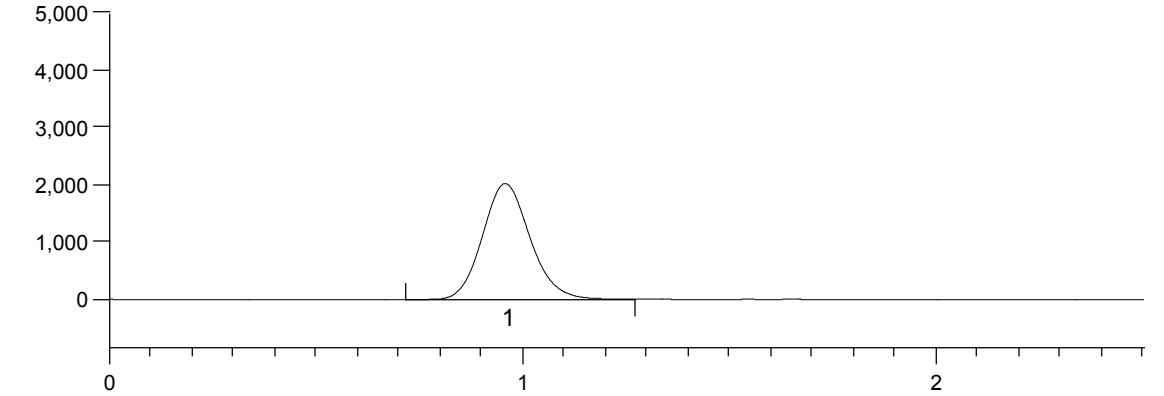
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
142	Y	S	1412029-05		1	595,881	61.2	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 2:02 AM

Peak	rt	Area
1	0.95	977,822

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
143	X	S	1412029-06		1	977,822	102	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 2:09 AM

Peak	rt	Area
1	0.95	163,228

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
144	Y	S	1412029-07		1	163,228	15.2	0.00		< HS	accept
Notes											

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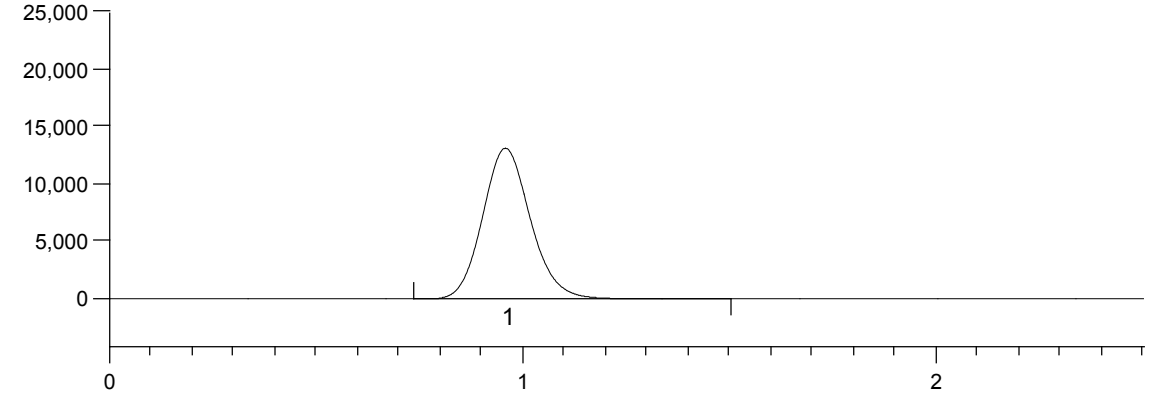
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

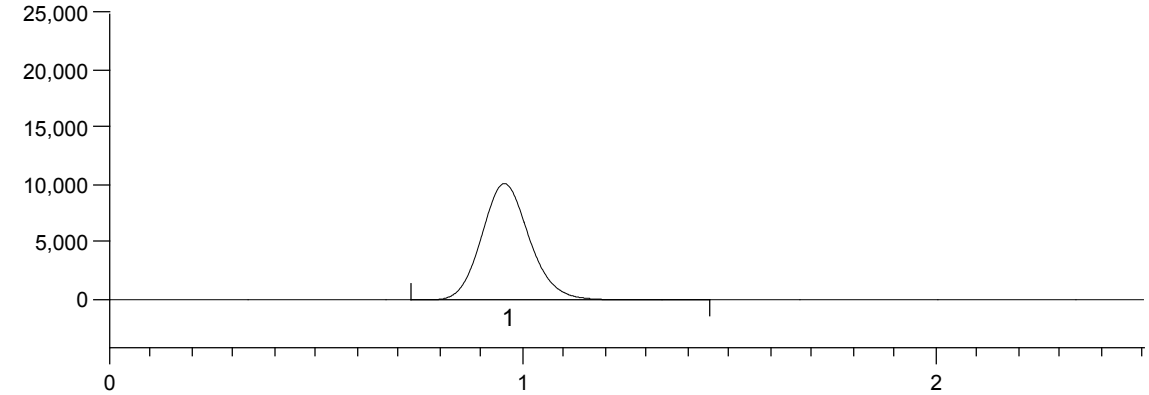
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 2:16 AM

Peak	rt	Area
1	0.95	1,064,349

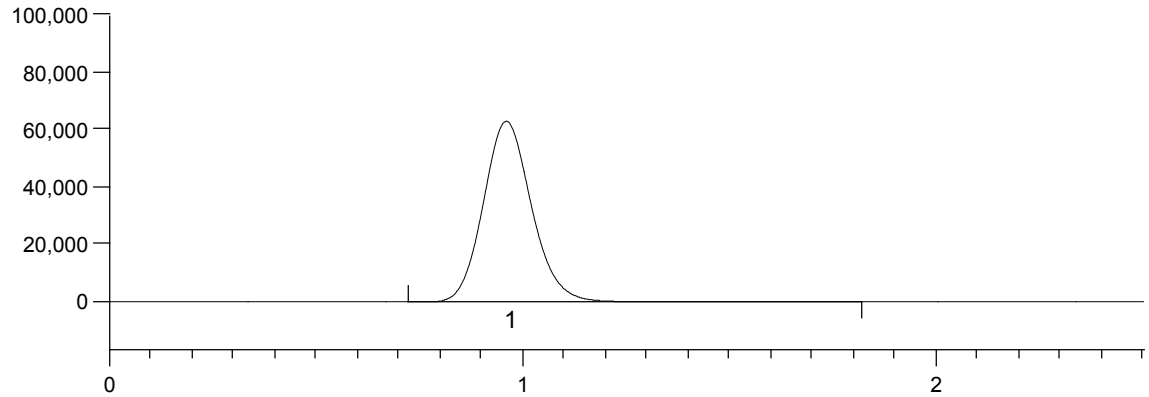
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
145	X	S	B140472-MS4		1	1,064,349	111	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 2:23 AM

Peak	rt	Area
1	0.95	821,295

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
146	Y	S	B140472-MSD4		1	821,295	85.2	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 2:30 AM

Peak	rt	Area
1	0.96	5,140,269

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
147	X	CCV	SEQ-CCV		1	5,140,269	544		109	77-123	accept
Notes											

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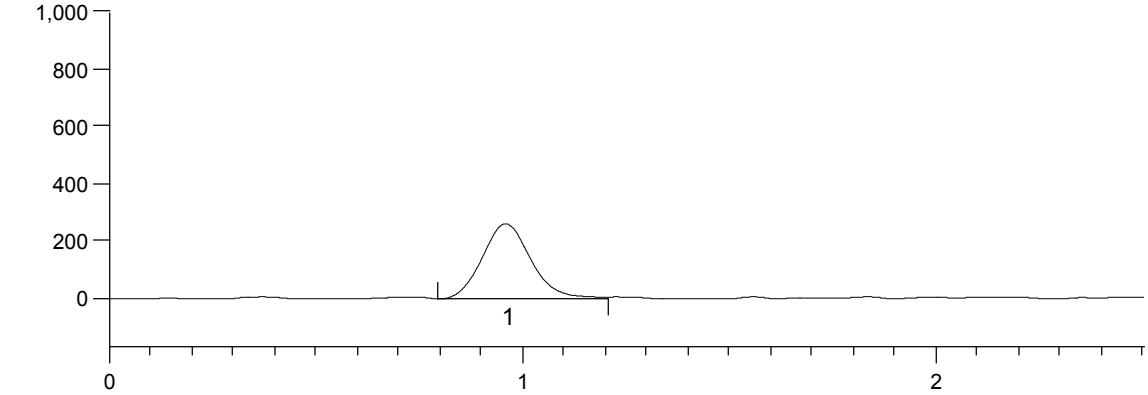
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

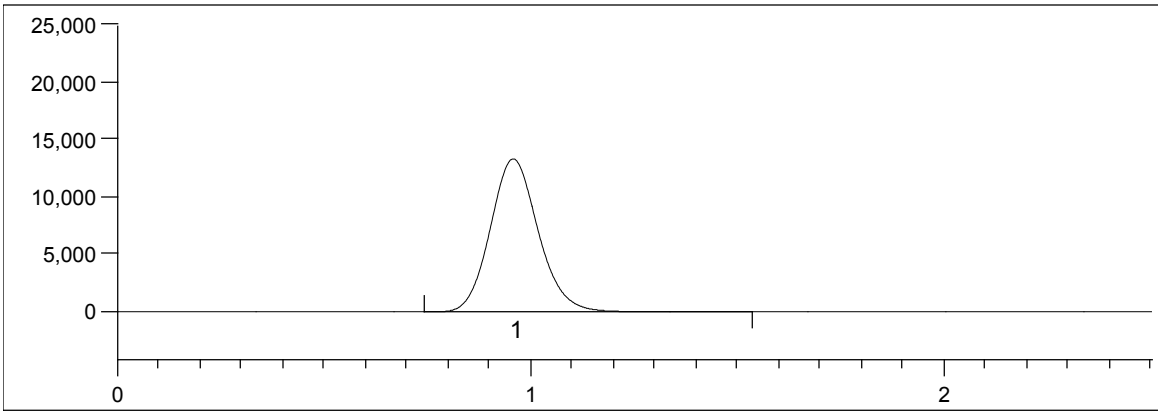
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 2:37 AM

Peak	rt	Area
1	0.95	20,915

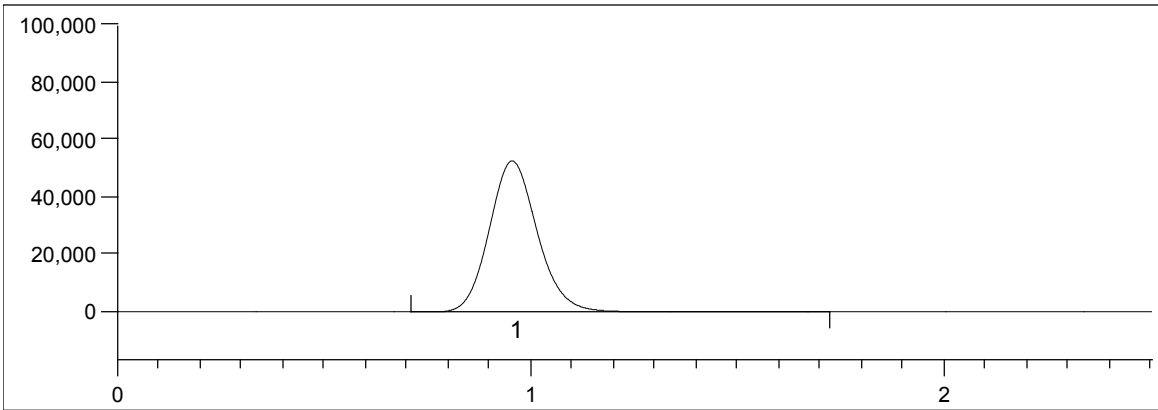
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
148	Y	CCB	SEQ-CCB		1	20,915	2.22		2.22	< 10	accept
Notes											



Date: 3/29/14
Time: 2:44 AM

Peak	rt	Area
1	0.95	1,080,539

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
149	X	S	1412029-08		1	1,080,539	113	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 2:51 AM

Peak	rt	Area
1	0.95	4,274,185

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
150	Y	CCV	SEQ-CCV		1	4,274,185	452		90.5	77-123	accept
Notes											

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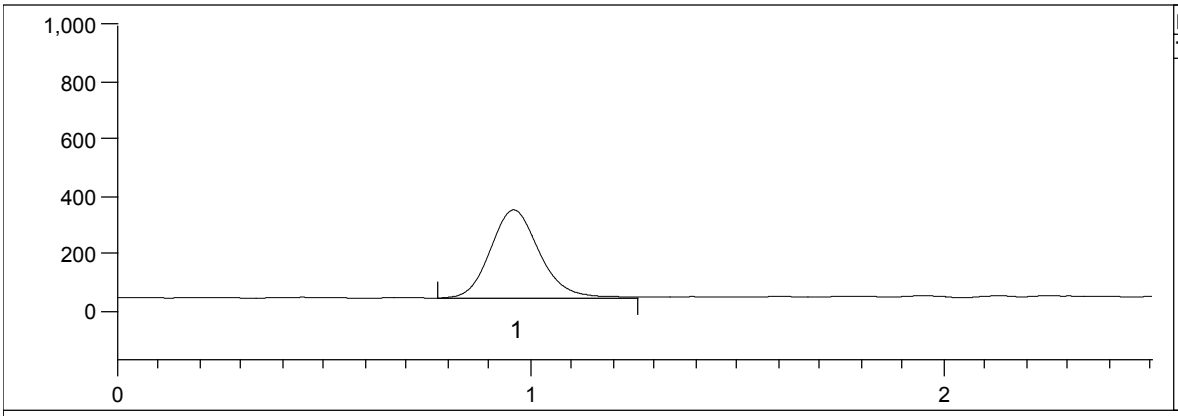
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

Date Analyzed: 3/28/14
Analyst Name: AAP

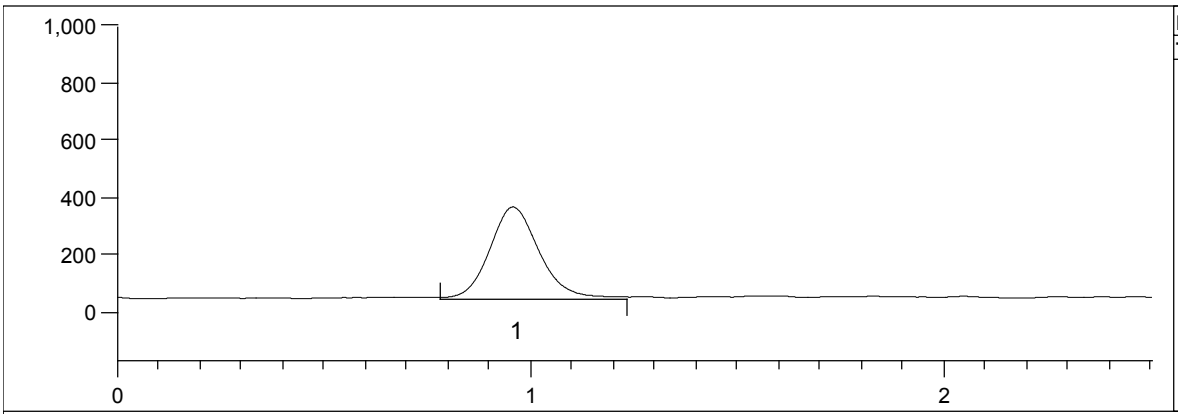


Date: 3/29/14
Time: 2:58 AM

Peak	rt	Area
1	0.95	25,288

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
151	X	CCB	SEQ-CCB		1	25,288	2.69		2.69	< 10	accept

Notes

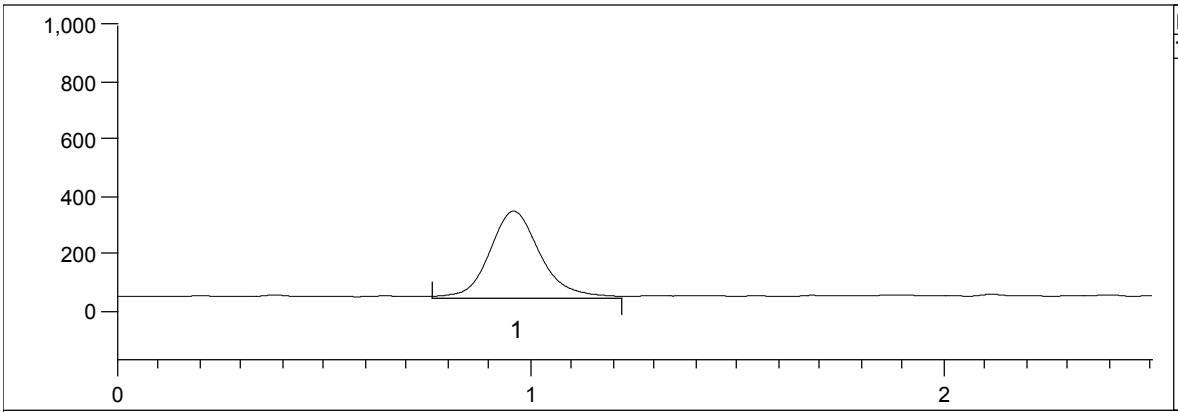


Date: 3/29/14
Time: 3:05 AM

Peak	rt	Area
1	0.95	25,575

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
152	Y	S	B140435-BLK1		1	25,575	0.562	0.00		< HS	accept

Notes



Date: 3/29/14
Time: 3:12 AM

Peak	rt	Area
1	0.95	24,363

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
153	X	S	B140435-BLK2		1	24,363	0.433	0.00		< HS	accept

Notes

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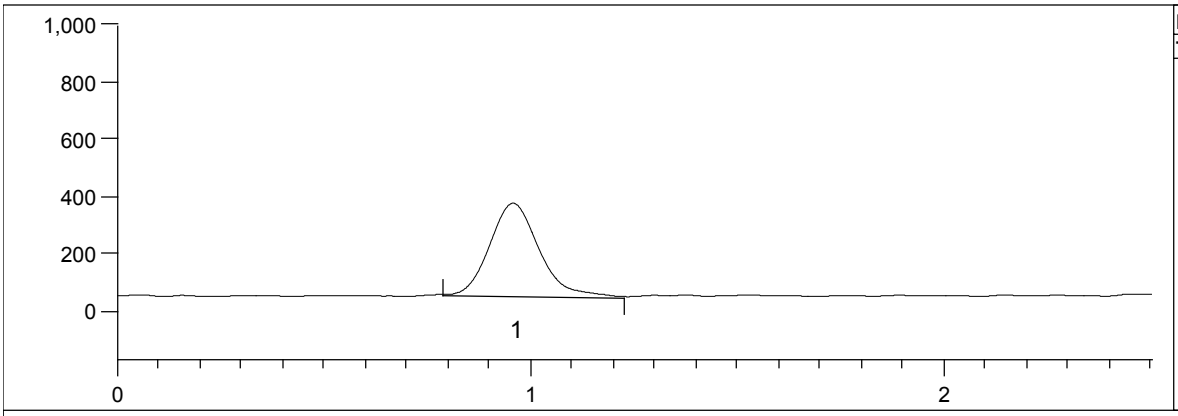
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

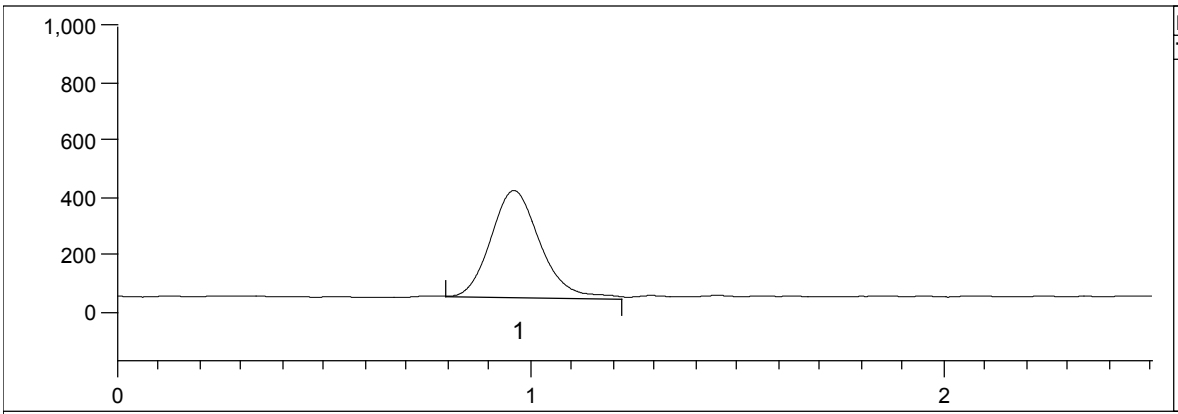
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 3:19 AM

Peak	rt	Area
1	0.95	26,253

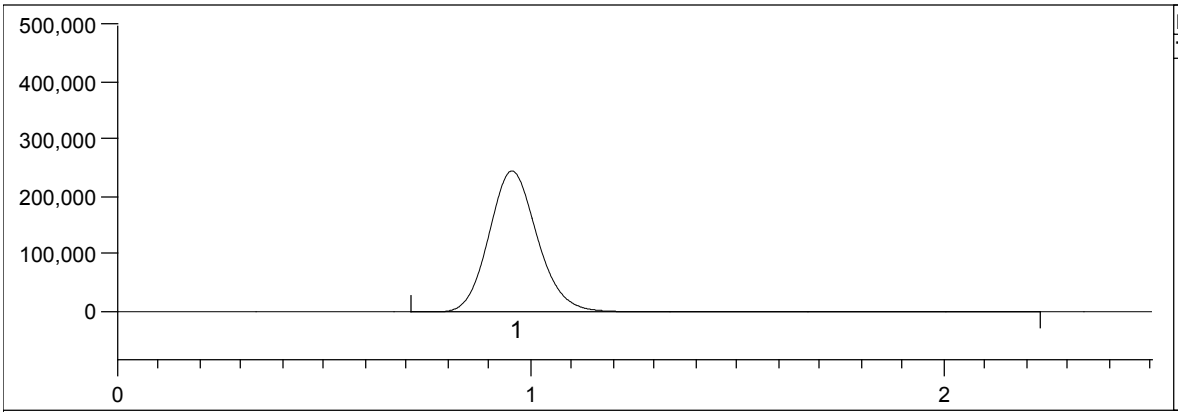
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
154	Y	S	B140435-BLK3		1	26,253	0.634	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 3:26 AM

Peak	rt	Area
1	0.96	29,967

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
155	X	S	B140435-BLK4		1	29,967	1.03	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 3:33 AM

Peak	rt	Area
1	0.95	20,146,053

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
156	Y	S	B140435-SRM1		1	20,146,053	2,140	0.00		< HS	accept
Notes											

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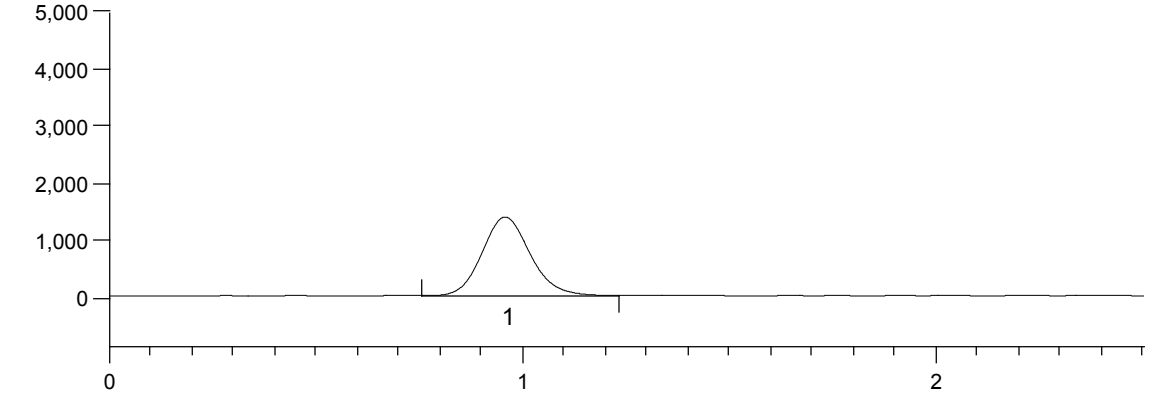
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

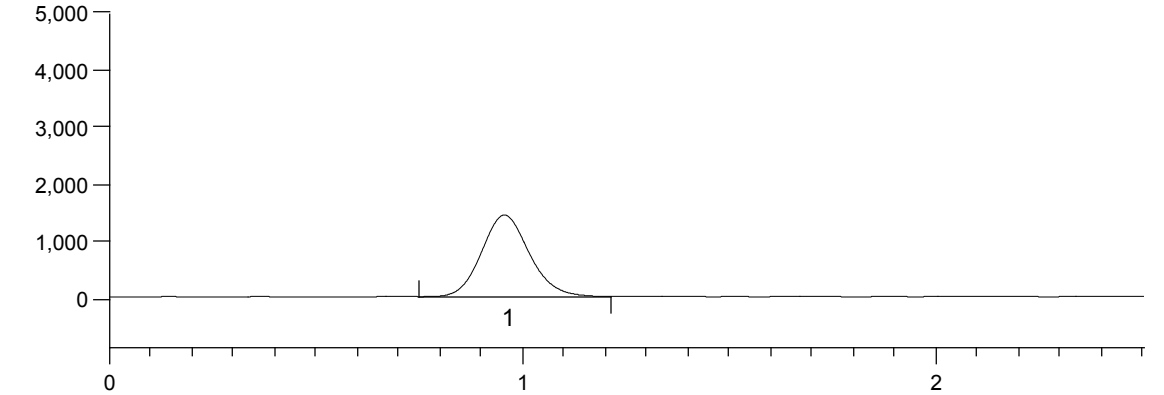
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 3:40 AM

Peak	rt	Area
1	0.95	110,834

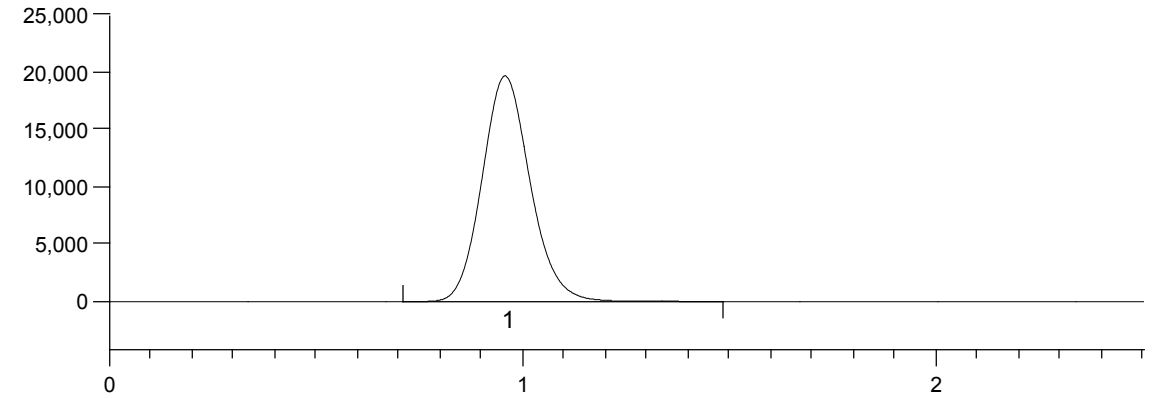
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
157	X	S	1411043-01		1	110,834	9.63	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 3:47 AM

Peak	rt	Area
1	0.95	114,667

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
158	Y	S	B140435-DUP1		1	114,667	10.0	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 3:54 AM

Peak	rt	Area
1	0.95	1,599,235

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
159	X	S	B140435-MS1		1	1,599,235	168	0.00		< HS	accept
Notes											

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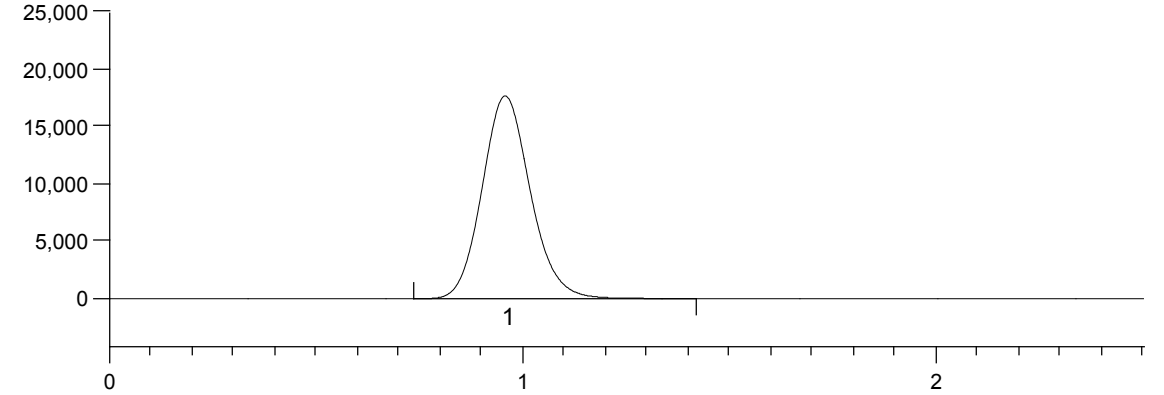
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

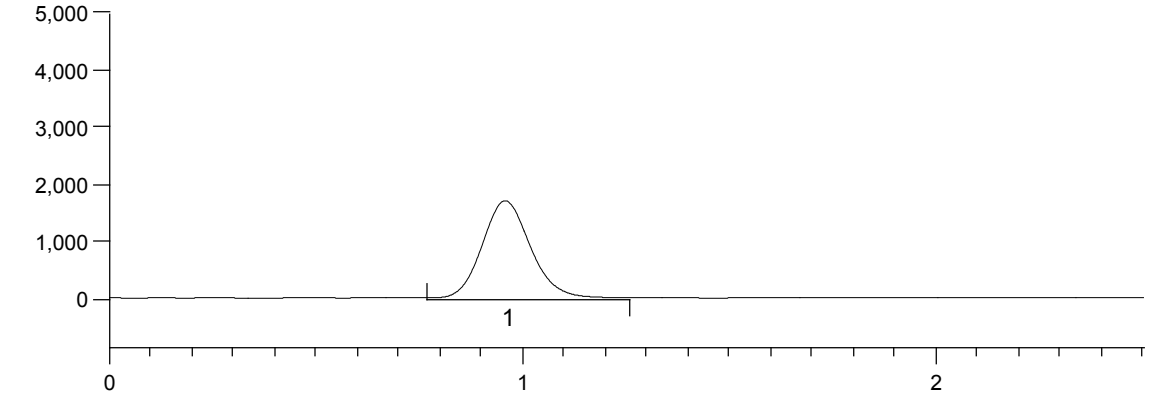
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 4:01 AM

Peak	rt	Area
1	0.95	1,439,254

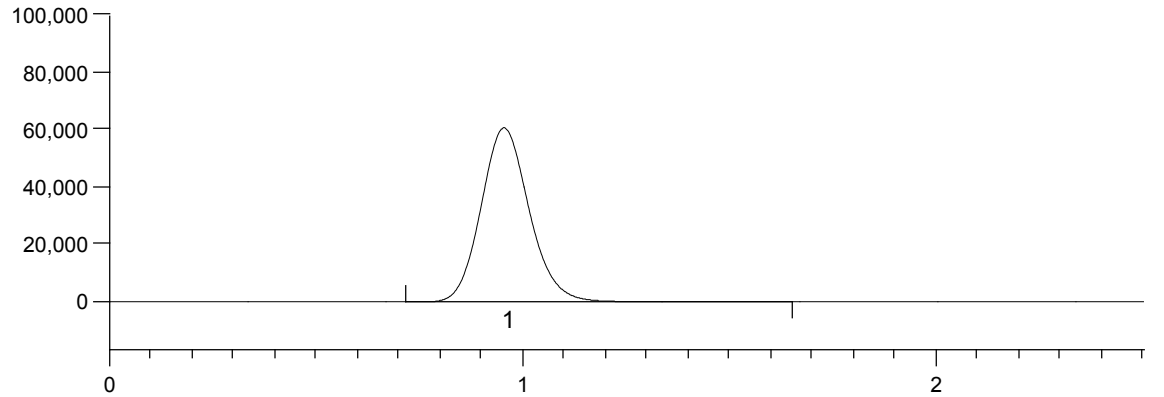
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
160	Y	S	B140435-MSD1		1	1,439,254	151	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 4:08 AM

Peak	rt	Area
1	0.95	137,405

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
161	X	S	1411043-02		1	137,405	12.5	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 4:15 AM

Peak	rt	Area
1	0.95	4,937,324

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
162	Y	CCV	SEQ-CCV		1	4,937,324	523		105	77-123	accept
Notes											

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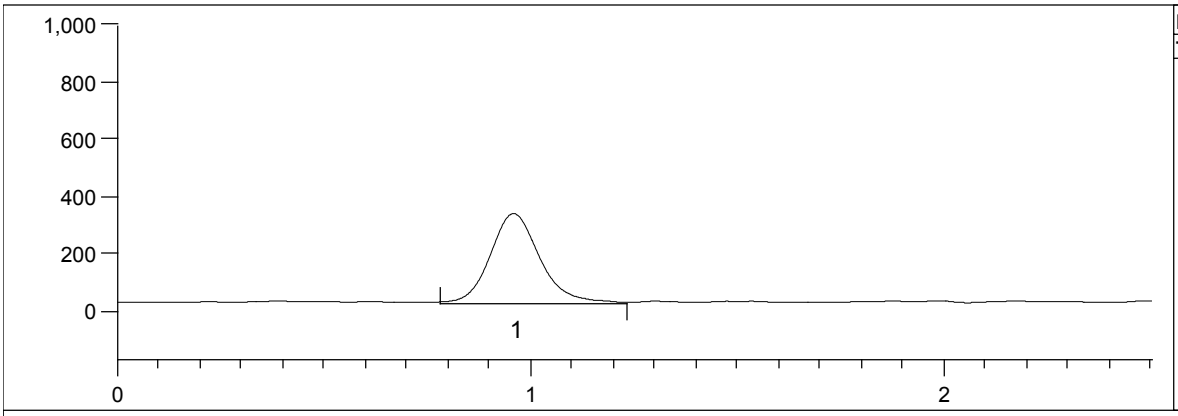
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

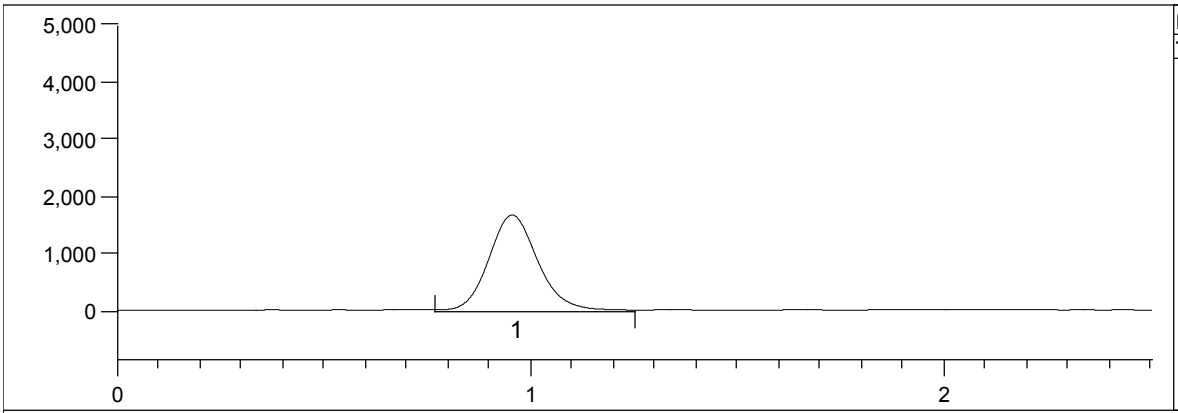
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 4:22 AM

Peak	rt	Area
1	0.95	25,103

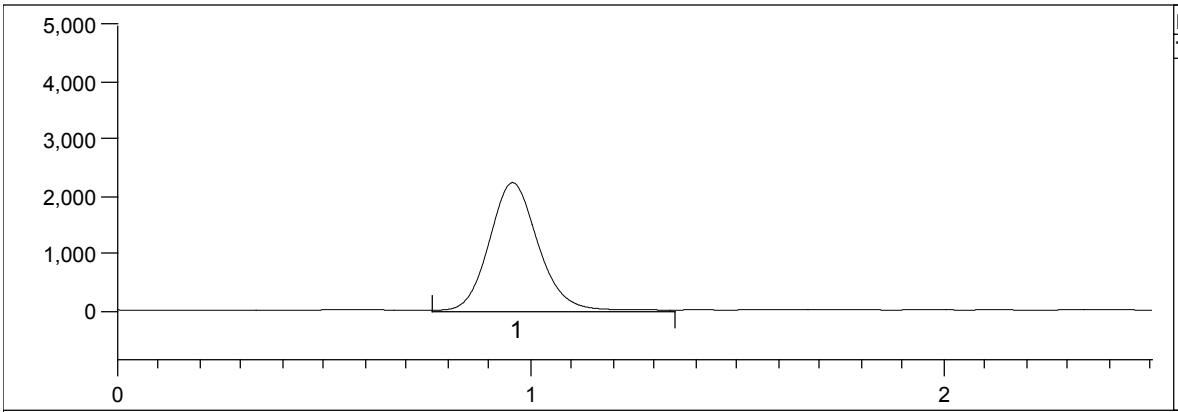
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
163	X	CCB	SEQ-CCB		1	25,103	2.67		2.67	< 10	accept
Notes											



Date: 3/29/14
Time: 4:29 AM

Peak	rt	Area
1	0.95	134,559

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
164	Y	S	1411043-03		1	134,559	12.2	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 4:36 AM

Peak	rt	Area
1	0.95	180,835

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
165	X	S	1411043-04		1	180,835	17.1	0.00		< HS	accept
Notes											

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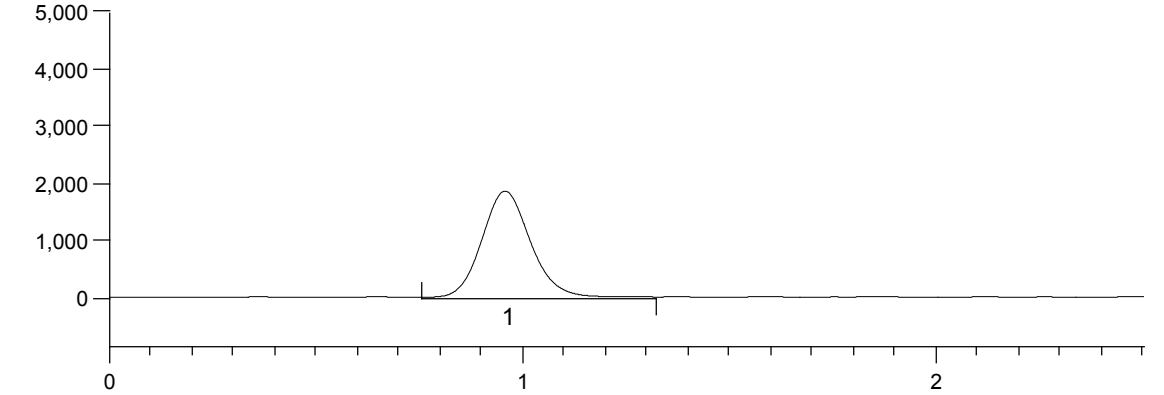
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

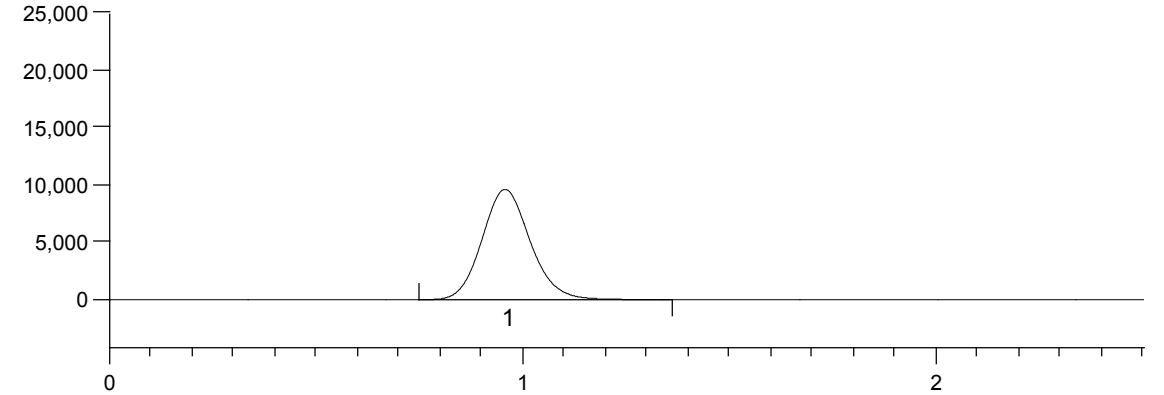
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 4:43 AM

Peak	rt	Area
1	0.95	150,783

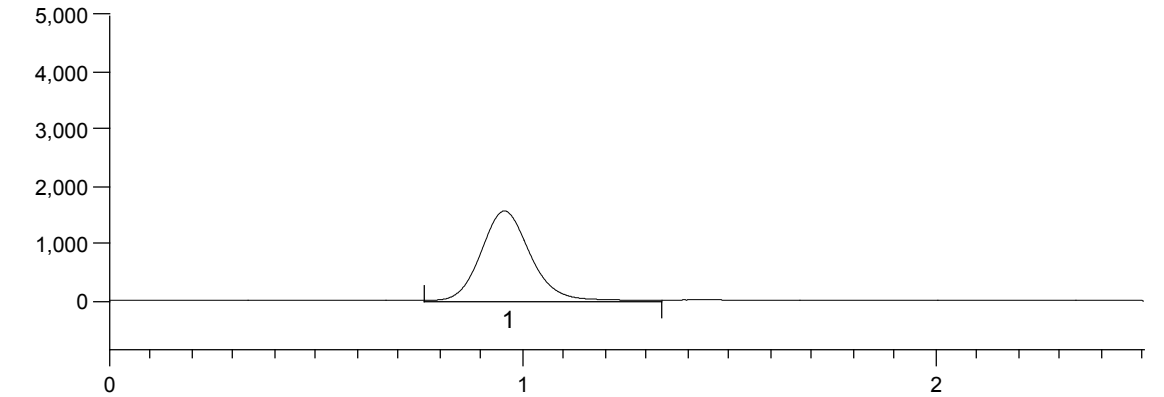
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
166	Y	S	1411043-05		1	150,783	13.9	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 4:50 AM

Peak	rt	Area
1	0.95	781,634

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
167	X	S	1411043-06		1	781,634	81.0	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 4:57 AM

Peak	rt	Area
1	0.95	126,956

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
168	Y	S	1411043-07		1	126,956	11.3	0.00		< HS	accept
Notes											

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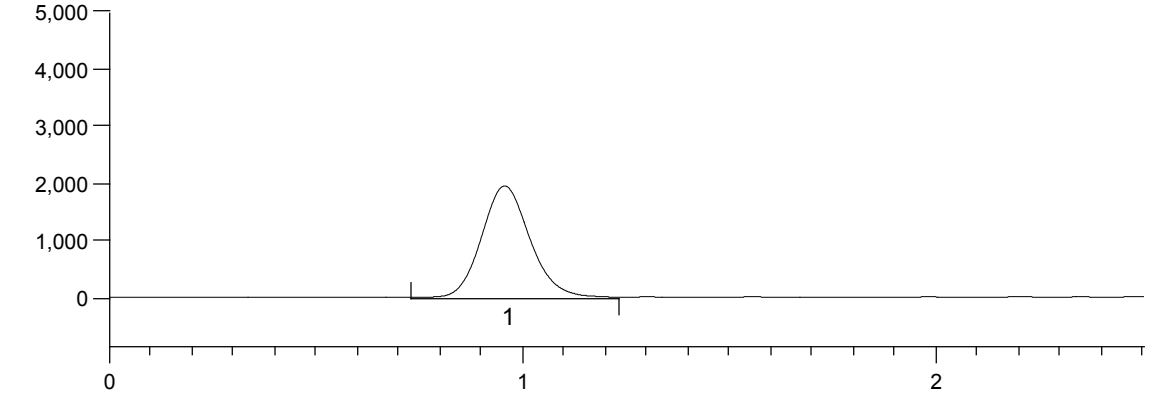
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

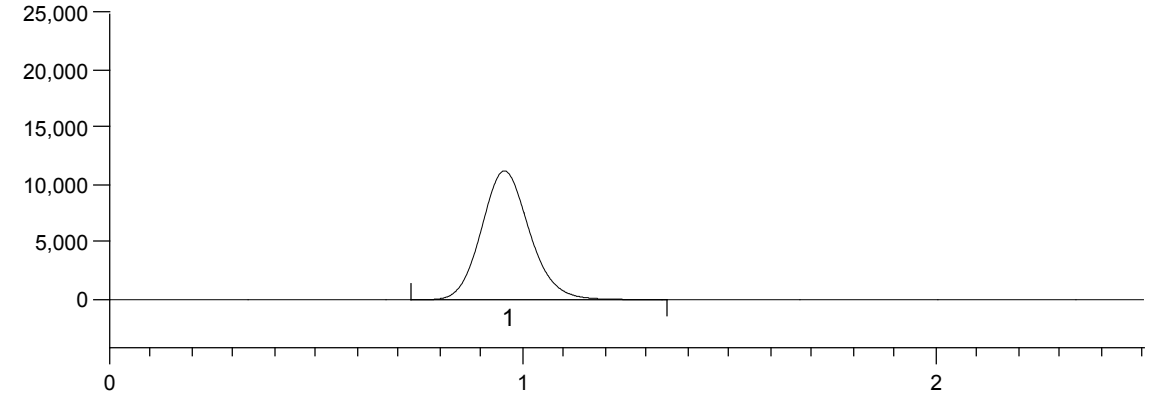
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 5:04 AM

Peak	rt	Area
1	0.95	157,795

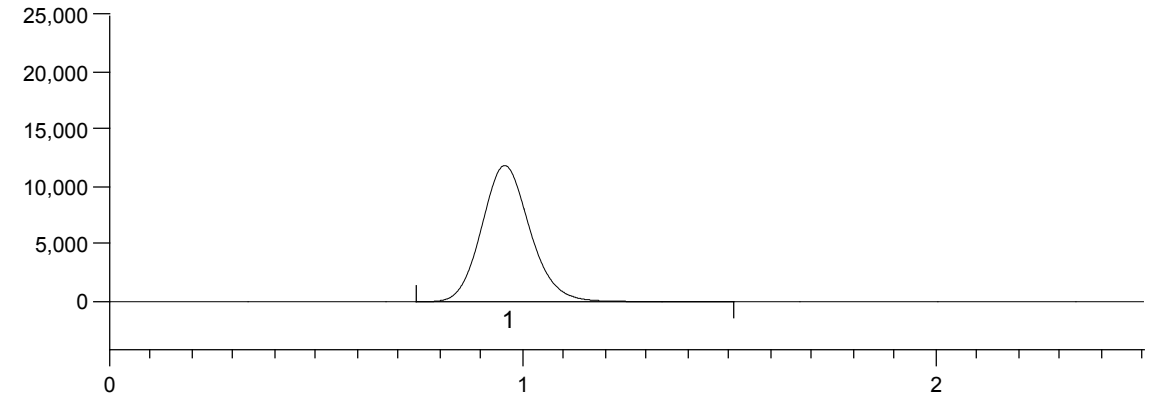
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
169	X	S	1411043-08		1	157,795	14.6	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 5:11 AM

Peak	rt	Area
1	0.95	913,296

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
170	Y	S	1411043-09		1	913,296	95.0	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 5:18 AM

Peak	rt	Area
1	0.95	968,034

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
171	X	S	B140435-DUP2		1	968,034	101	0.00		< HS	accept
Notes											

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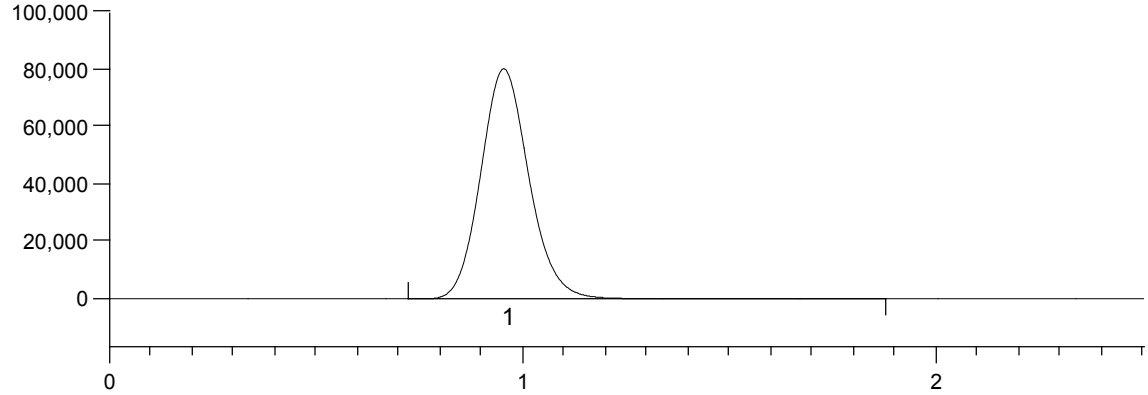
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

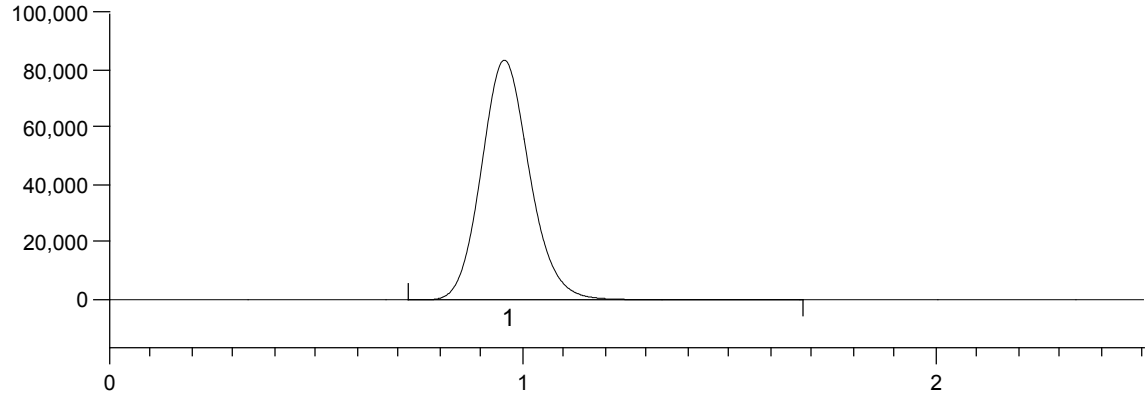
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 5:25 AM

Peak	rt	Area
1	0.95	6,543,710

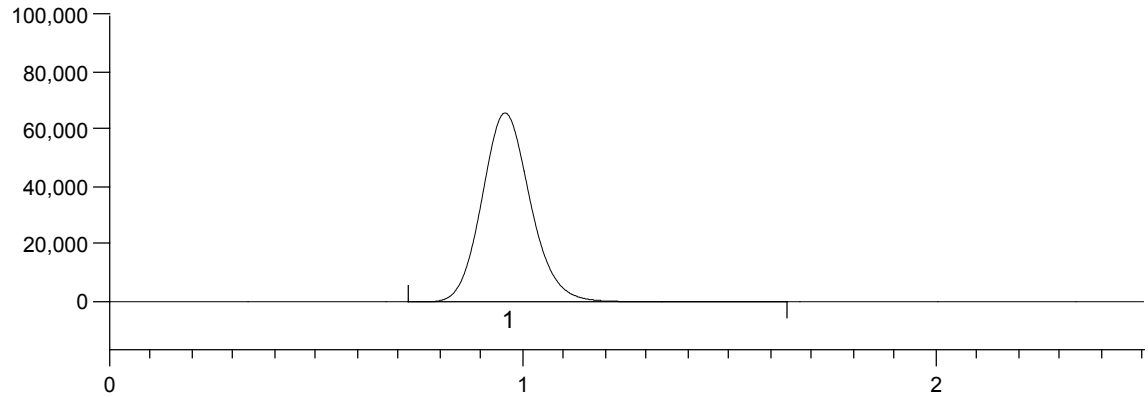
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
172	Y	S	B140435-MS2		1	6,543,710	694	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 5:32 AM

Peak	rt	Area
1	0.95	6,834,067

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
173	X	S	B140435-MSD2		1	6,834,067	725	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 5:39 AM

Peak	rt	Area
1	0.95	5,397,050

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
174	Y	CCV	SEQ-CCV		1	5,397,050	572		114	77-123	accept
Notes											

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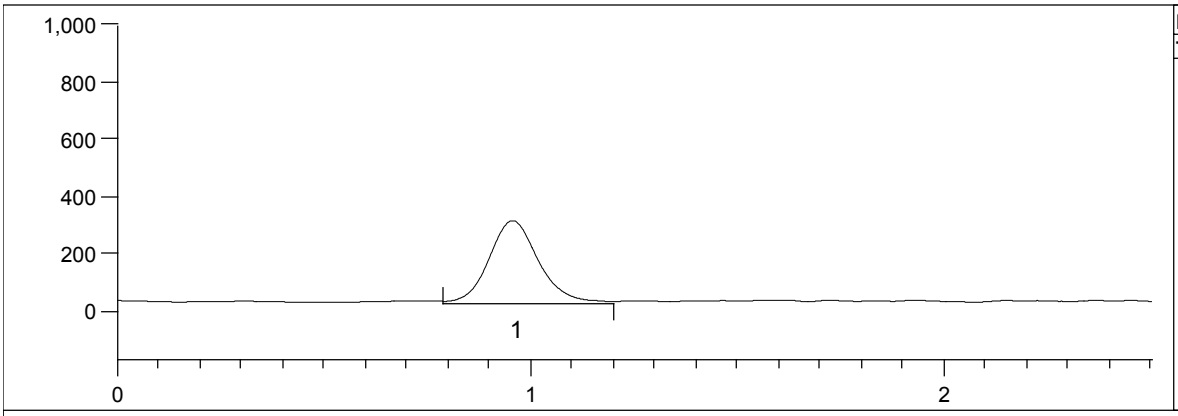
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

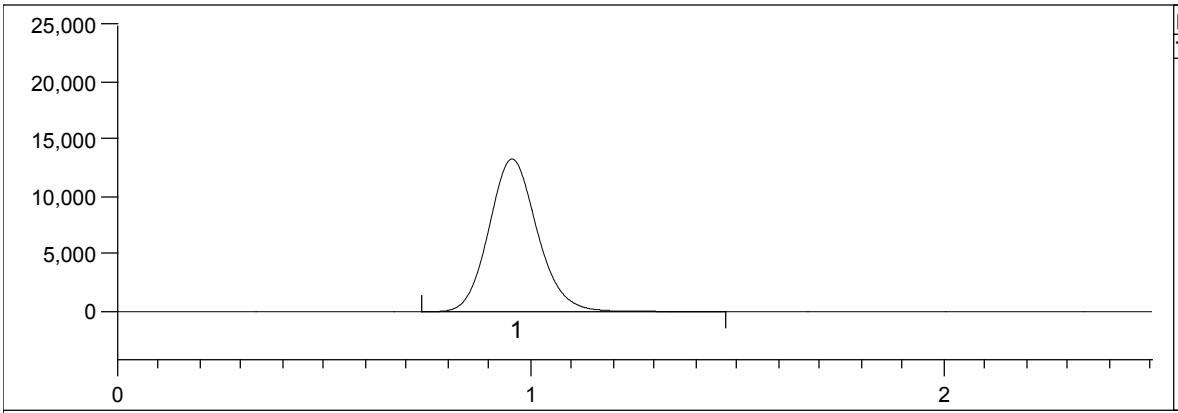
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 5:46 AM

Peak	rt	Area
1	0.95	22,675

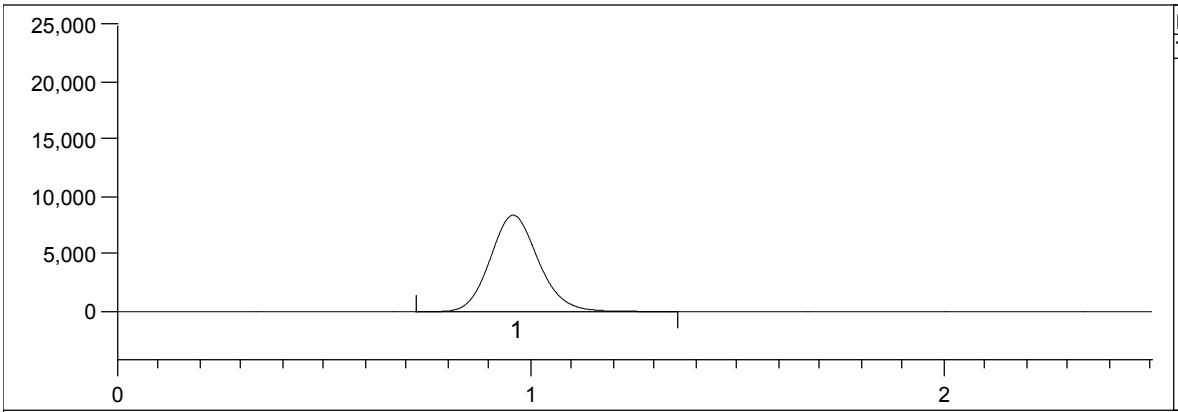
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
175	X	CCB	SEQ-CCB		1	22,675	2.41		2.41	< 10	accept
Notes											



Date: 3/29/14
Time: 5:53 AM

Peak	rt	Area
1	0.95	1,084,273

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
176	Y	S	1411043-10		1	1,084,273	113	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 6:00 AM

Peak	rt	Area
1	0.95	684,456

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
177	X	S	1411043-11		1	684,456	70.6	0.00		< HS	accept
Notes											

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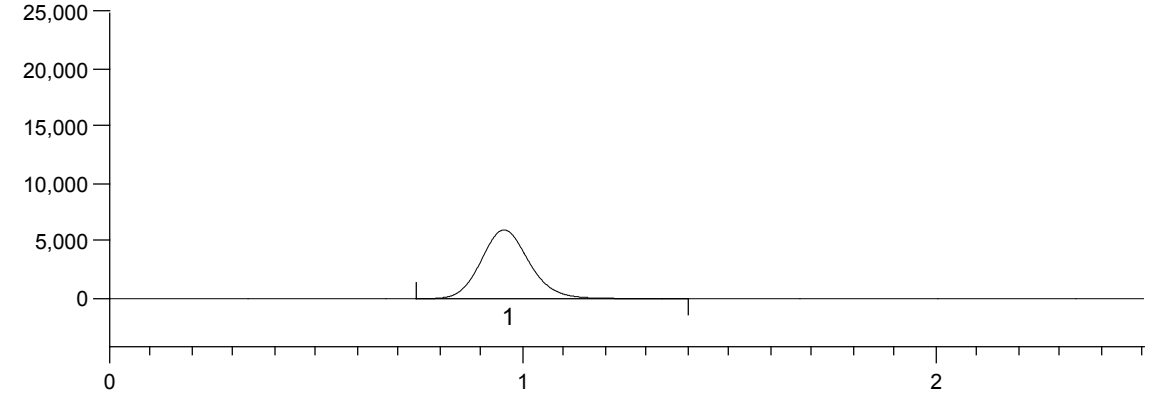
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

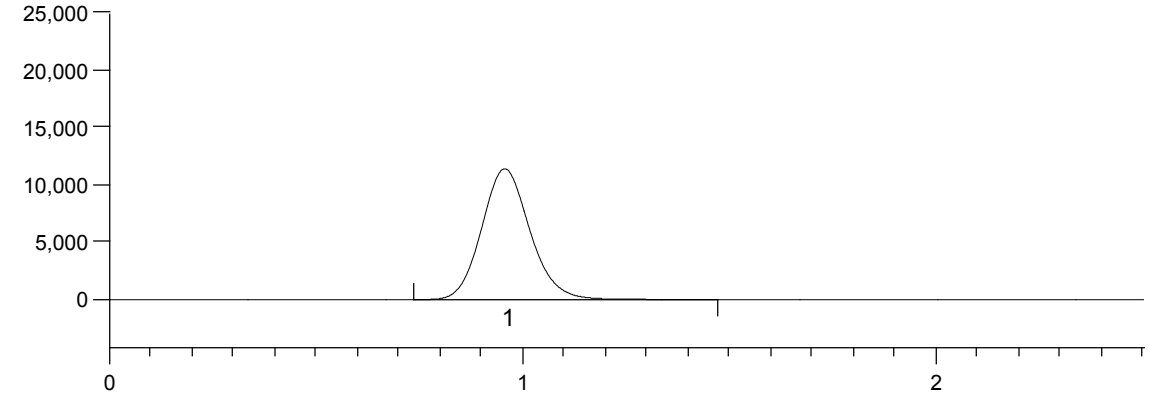
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 6:07 AM

Peak	rt	Area
1	0.95	487,711

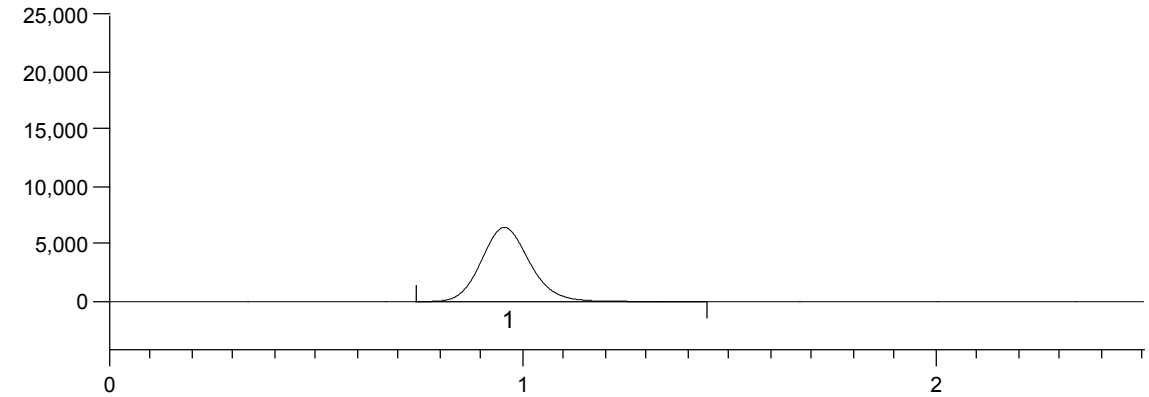
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
178	Y	S	1411043-12		1	487,711	49.7	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 6:14 AM

Peak	rt	Area
1	0.95	929,594

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
179	X	S	1411043-13		1	929,594	96.7	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 6:21 AM

Peak	rt	Area
1	0.95	527,751

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
180	Y	S	1411043-14		1	527,751	54.0	0.00		< HS	accept
Notes											

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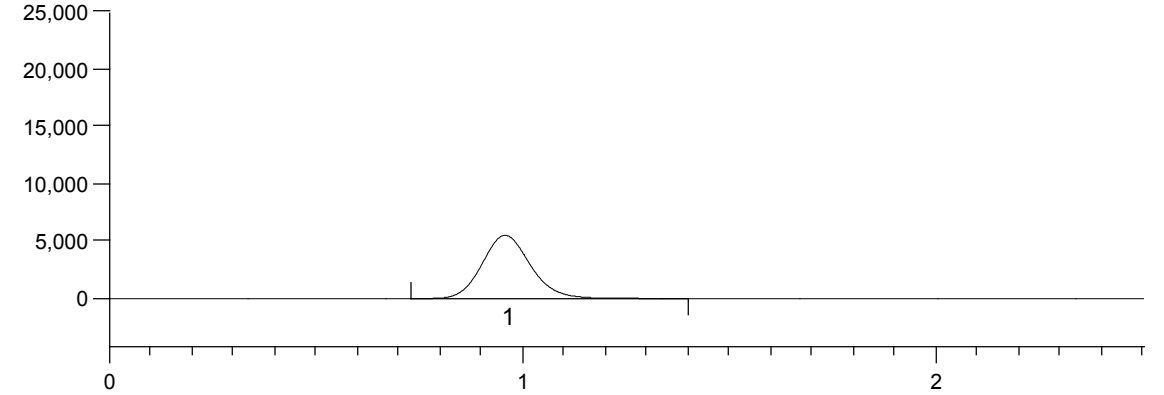
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

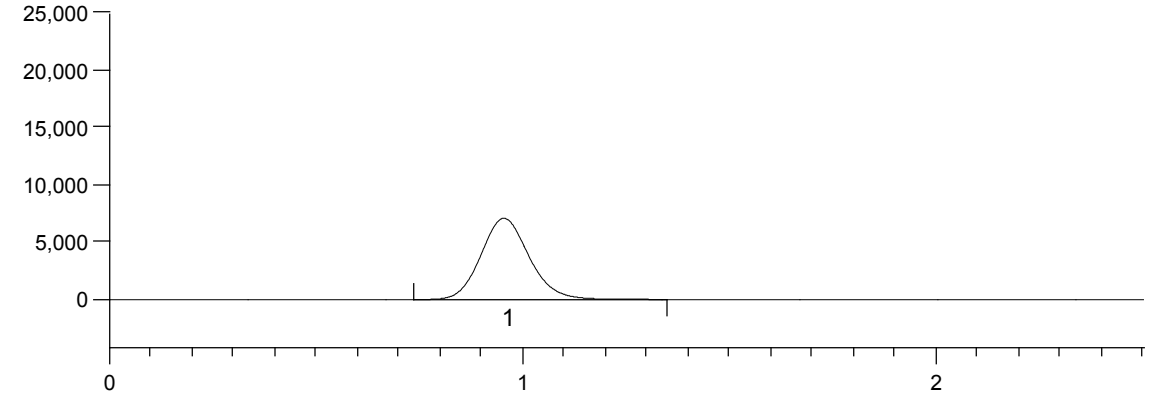
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 6:28 AM

Peak	rt	Area
1	0.95	449,479

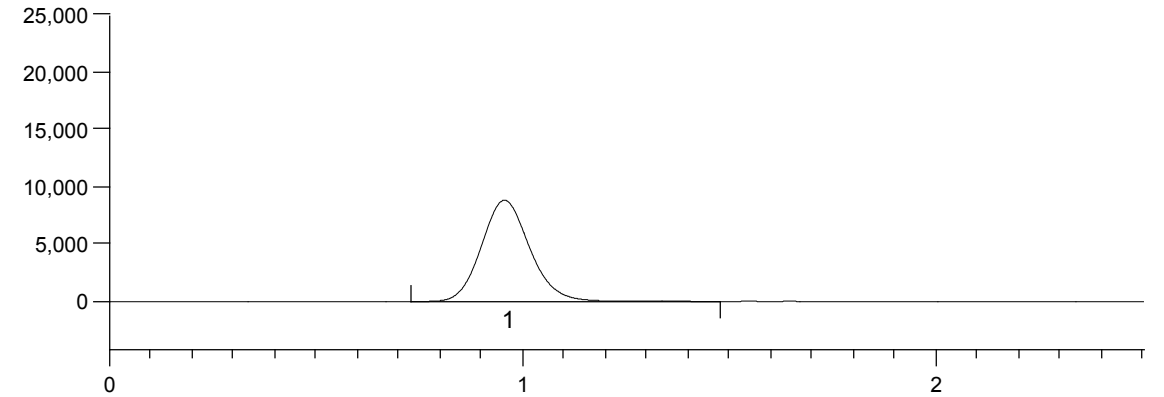
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
181	X	S	1411043-15		1	449,479	45.6	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 6:35 AM

Peak	rt	Area
1	0.95	575,285

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
182	Y	S	1411043-16		1	575,285	59.0	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 6:42 AM

Peak	rt	Area
1	0.95	720,605

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
183	X	S	1411043-17		1	720,605	74.5	0.00		< HS	accept
Notes											

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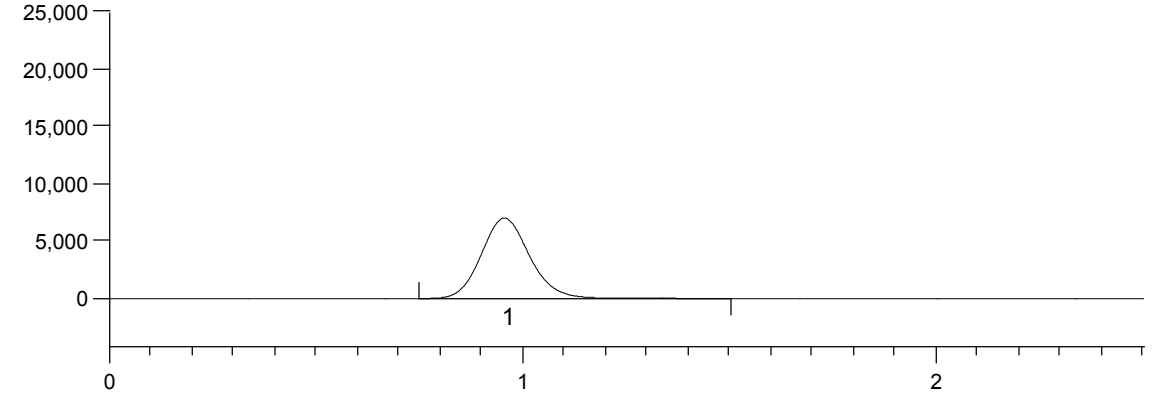
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

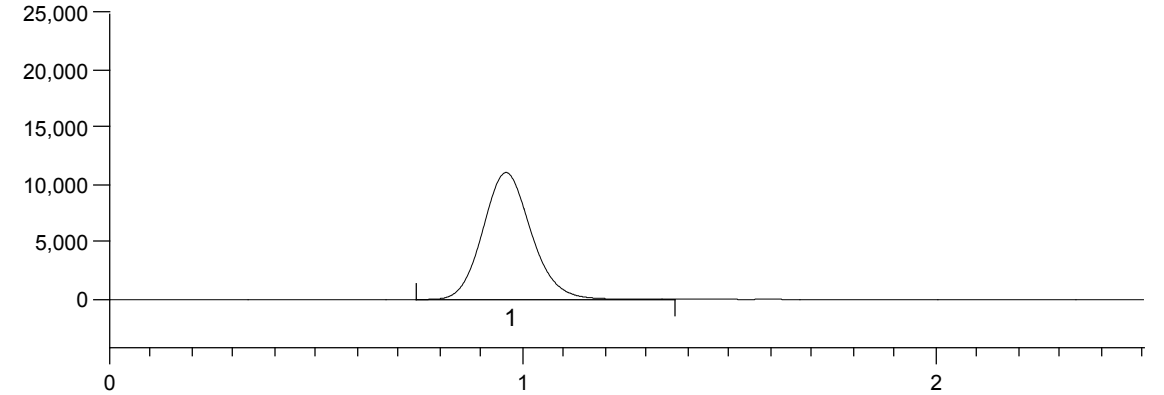
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 6:49 AM

Peak	rt	Area
1	0.95	572,176

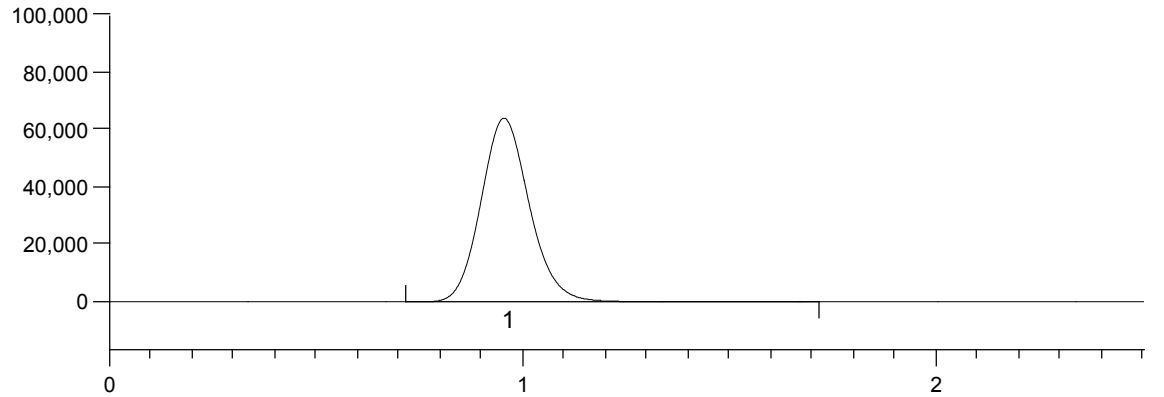
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
184	Y	S	1411043-18		1	572,176	58.7	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 6:56 AM

Peak	rt	Area
1	0.96	902,911

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
185	X	S	1411043-19		1	902,911	93.9	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 7:03 AM

Peak	rt	Area
1	0.95	5,235,388

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
186	Y	CCV	SEQ-CCV		1	5,235,388	555		111	77-123	accept
Notes											

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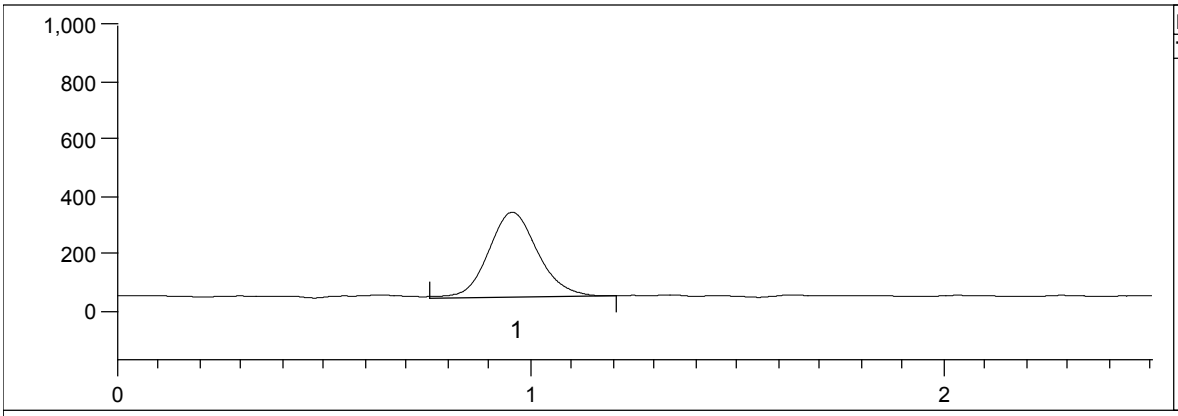
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

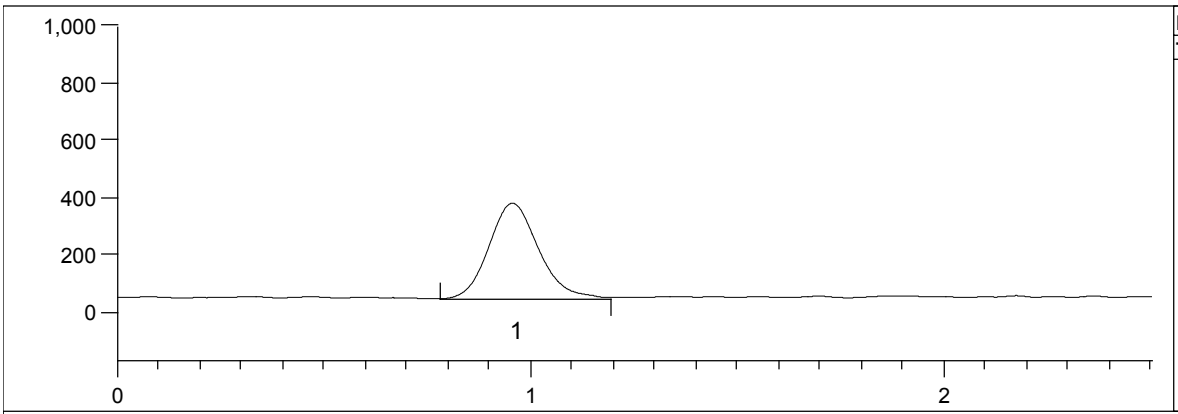
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 7:10 AM

Peak	rt	Area
1	0.95	24,052

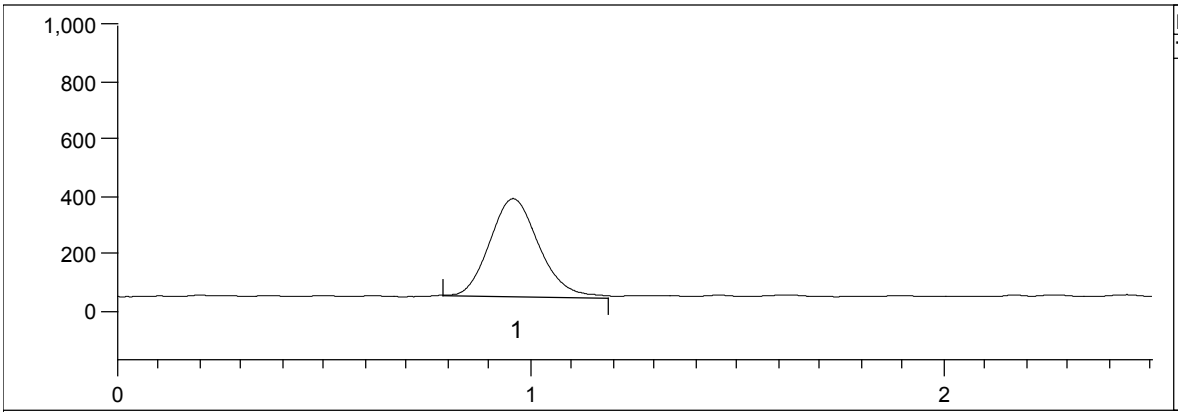
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
187	X	CCB	SEQ-CCB		1	24,052	2.56		2.56	< 10	accept
Notes											



Date: 3/29/14
Time: 7:17 AM

Peak	rt	Area
1	0.95	27,594

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
188	Y	S	B140461-BLK1		1	27,594	0.776	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 7:24 AM

Peak	rt	Area
1	0.95	27,392

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
189	X	S	B140461-BLK2		1	27,392	0.755	0.00		< HS	accept
Notes											

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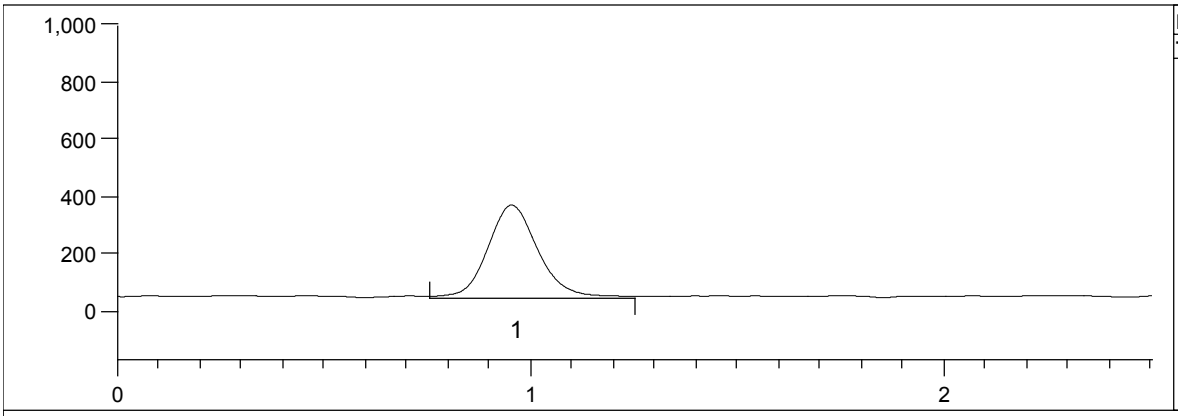
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

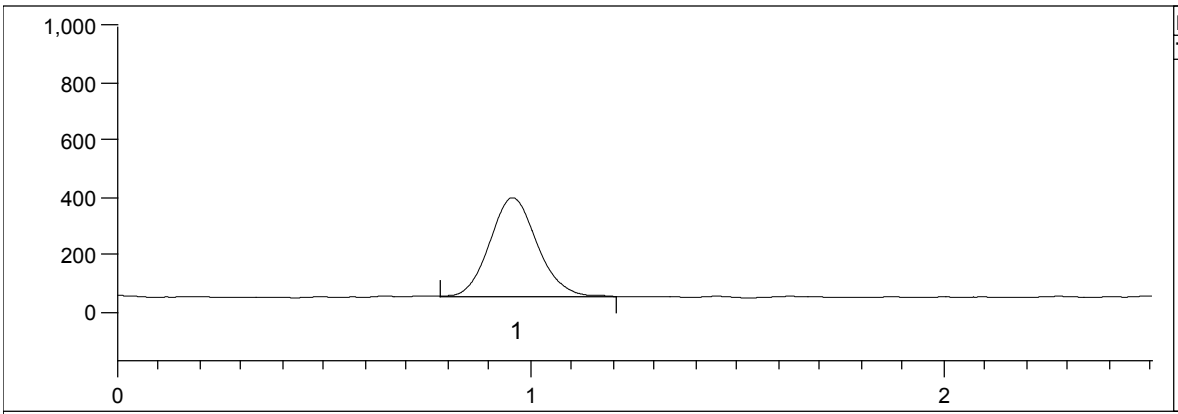
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 7:31 AM

Peak	rt	Area
1	0.95	26,120

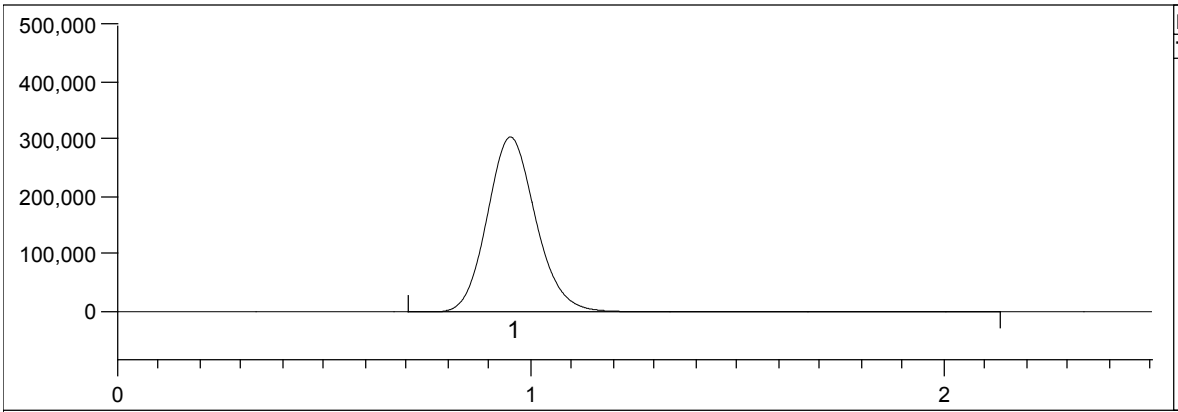
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
190	Y	S	B140461-BLK3		1	26,120	0.620	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 7:38 AM

Peak	rt	Area
1	0.95	27,431

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
191	X	S	B140461-BLK4		1	27,431	0.759	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 7:45 AM

Peak	rt	Area
1	0.95	25,060,099

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
192	Y	S	B140461-SRM1		1	25,060,099	2,660	0.00		< HS	accept
Notes											

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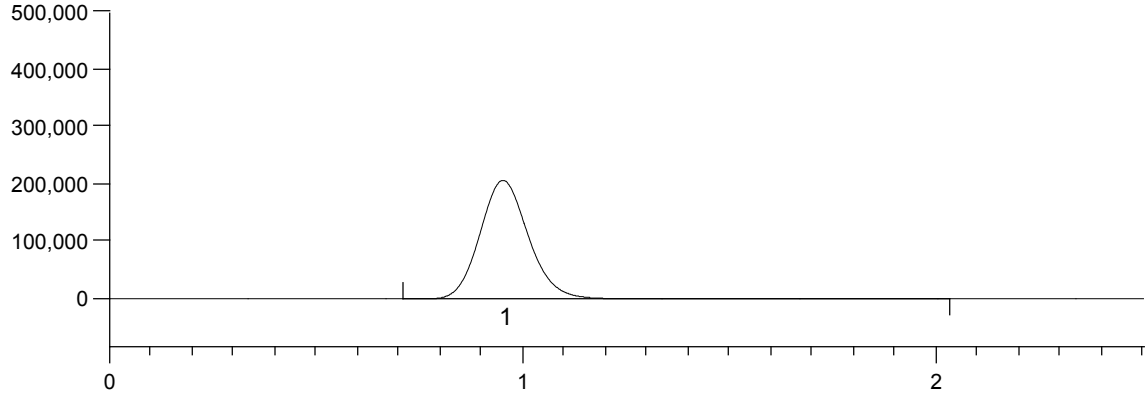
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

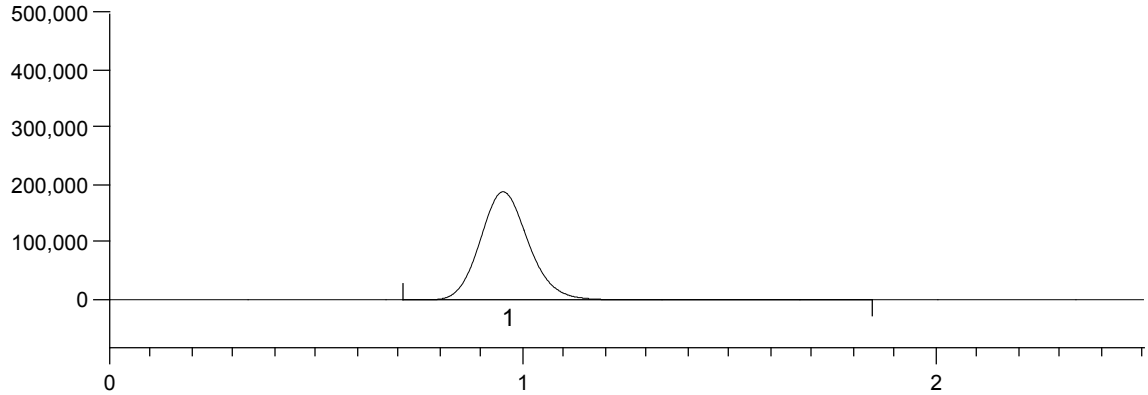
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 7:52 AM

Peak	rt	Area
1	0.95	16,958,973

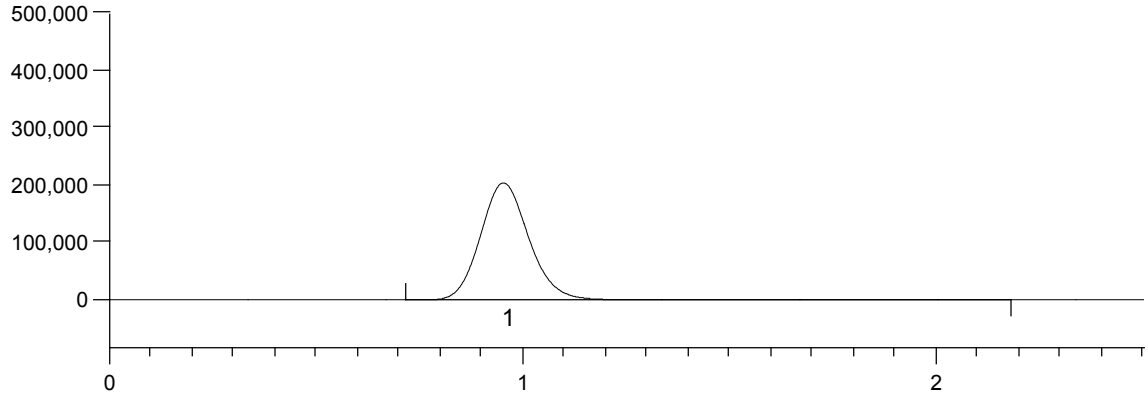
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
193	X	S	1412013-01		1	16,958,973	1,800	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 7:59 AM

Peak	rt	Area
1	0.95	15,445,472

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
194	Y	S	B140461-DUP1		1	15,445,472	1,640	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 8:06 AM

Peak	rt	Area
1	0.95	16,731,397

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
195	X	S	B140461-MS1		1	16,731,397	1,780	0.00		< HS	accept
Notes											

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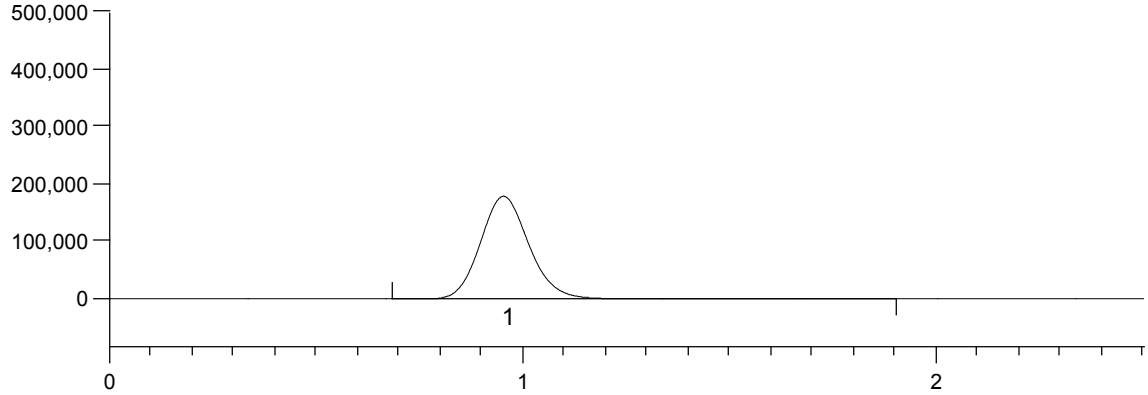
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

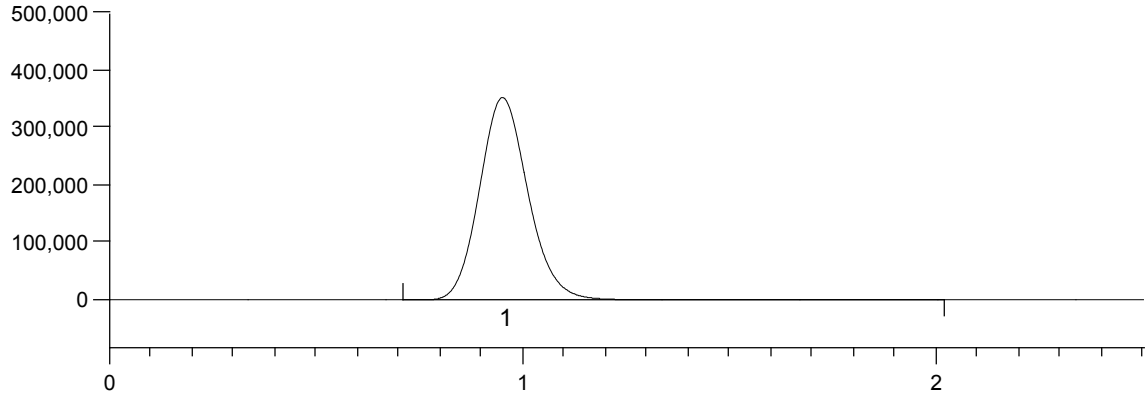
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 8:13 AM

Peak	rt	Area
1	0.95	14,708,036

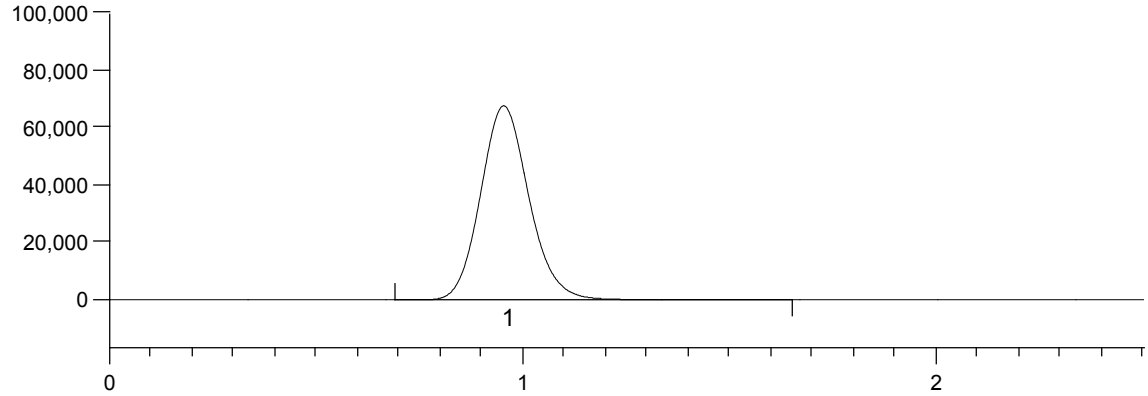
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
196	Y	S	B140461-MSD1		1	14,708,036	1,560	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 8:20 AM

Peak	rt	Area
1	0.95	29,001,011

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
197	X	S	1412013-02		1	29,001,011	3,080	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 8:27 AM

Peak	rt	Area
1	0.95	5,530,627

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
198	Y	CCV	SEQ-CCV		1	5,530,627	586		117	77-123	accept
Notes											

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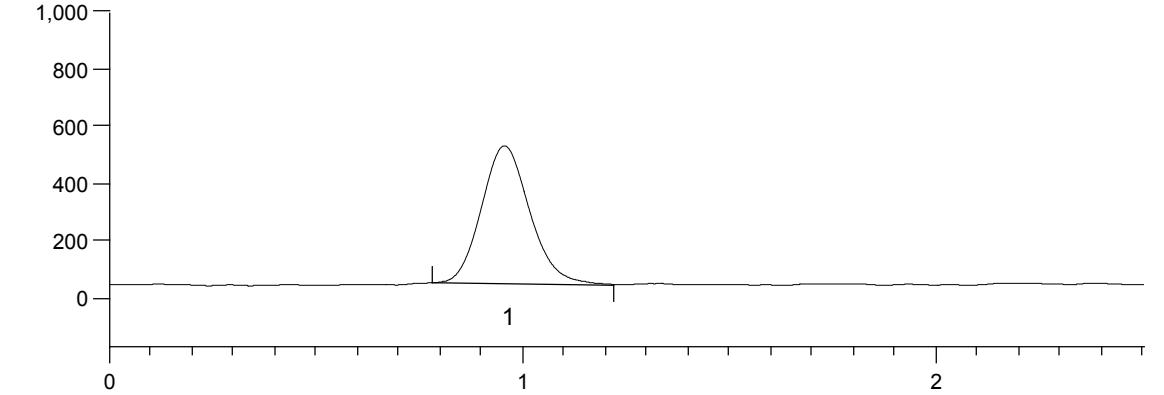
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

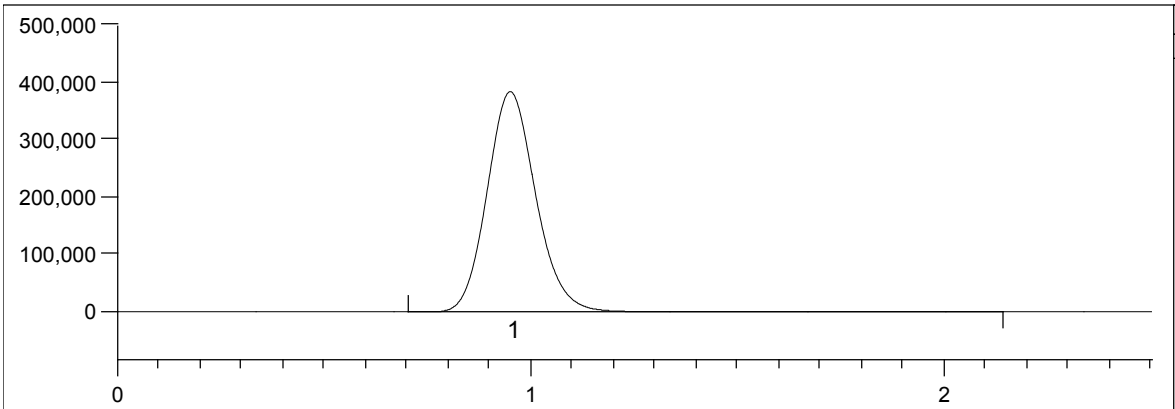
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 8:34 AM

Peak	rt	Area
1	0.95	38,795

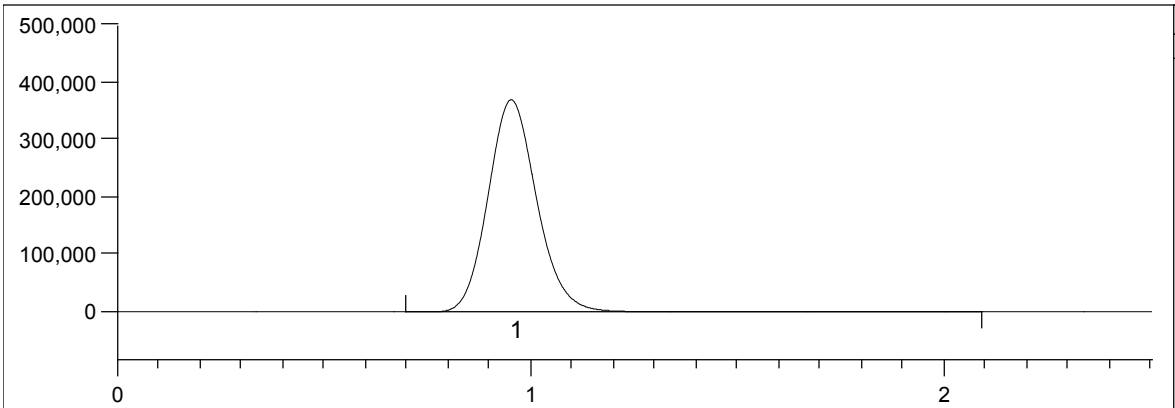
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
199	X	CCB	SEQ-CCB		1	38,795	4.13		4.13	< 10	accept
Notes											



Date: 3/29/14
Time: 8:41 AM

Peak	rt	Area
1	0.94	31,622,340

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
200	Y	S	1412013-03		1	31,622,340	3,360	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 8:48 AM

Peak	rt	Area
1	0.95	30,459,262

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
201	X	S	1412013-04		1	30,459,262	3,240	0.00		< HS	accept
Notes											

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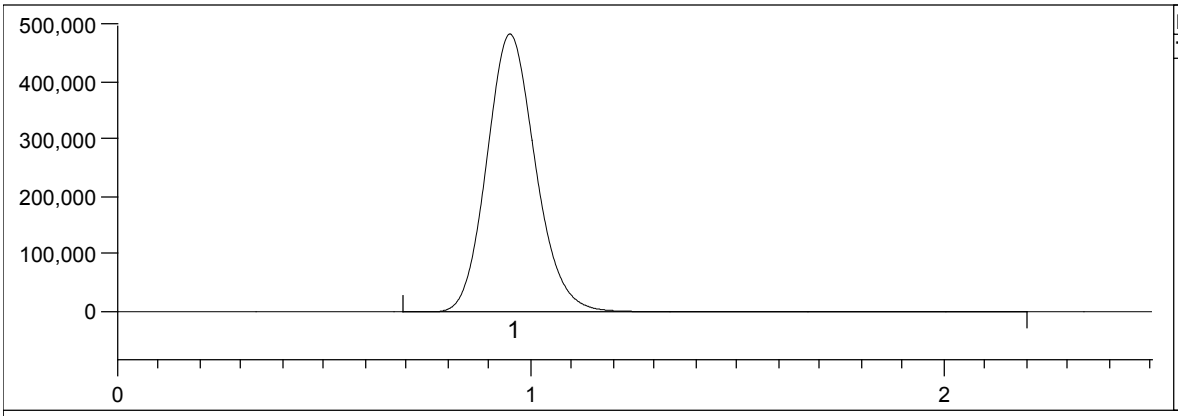
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

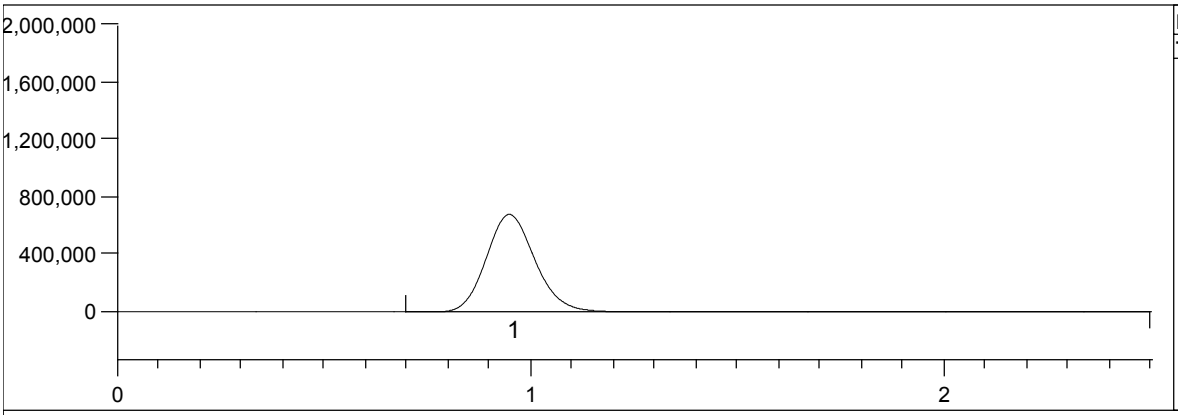
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 8:55 AM

Peak	rt	Area
1	0.94	39,902,730

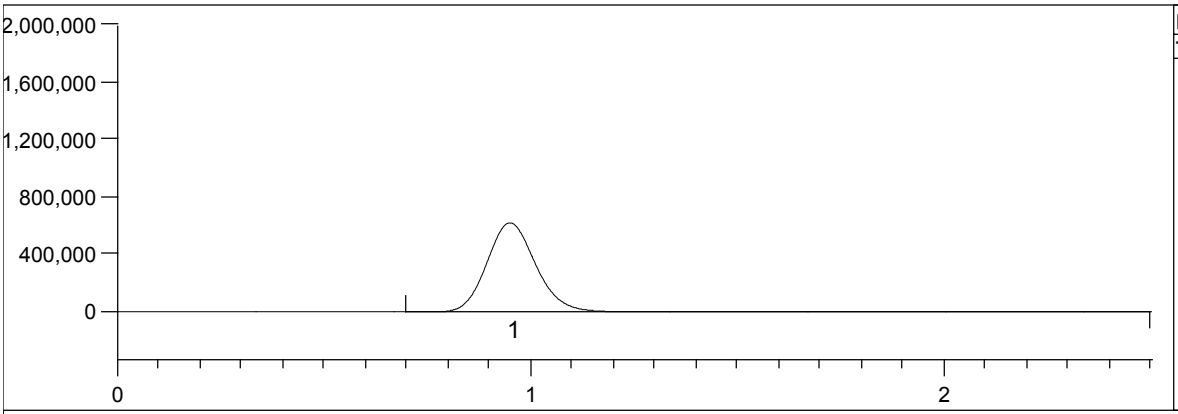
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
202	Y	S	1412013-05		1	39,902,730	4,240	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:02 AM

Peak	rt	Area
1	0.94	56,268,247

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
203	X	S	1412013-06		1	56,268,247	5,980	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:09 AM

Peak	rt	Area
1	0.94	51,512,808

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
204	Y	S	1412013-07		1	51,512,808	5,480	0.00		< HS	accept
Notes											

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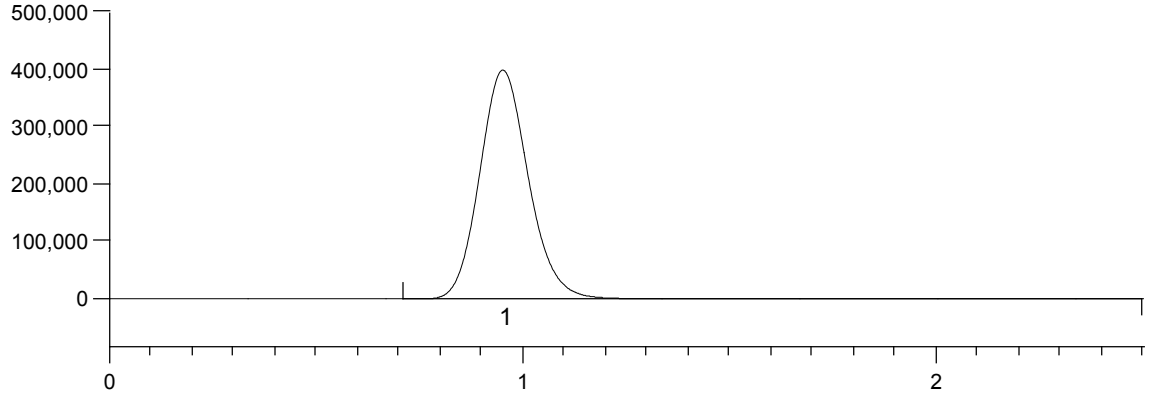
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

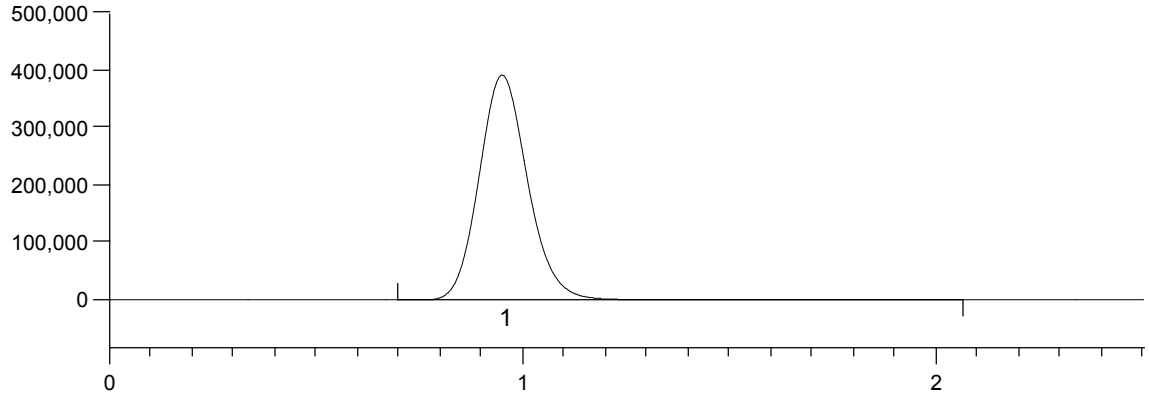
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 9:16 AM

Peak	rt	Area
1	0.95	32,905,440

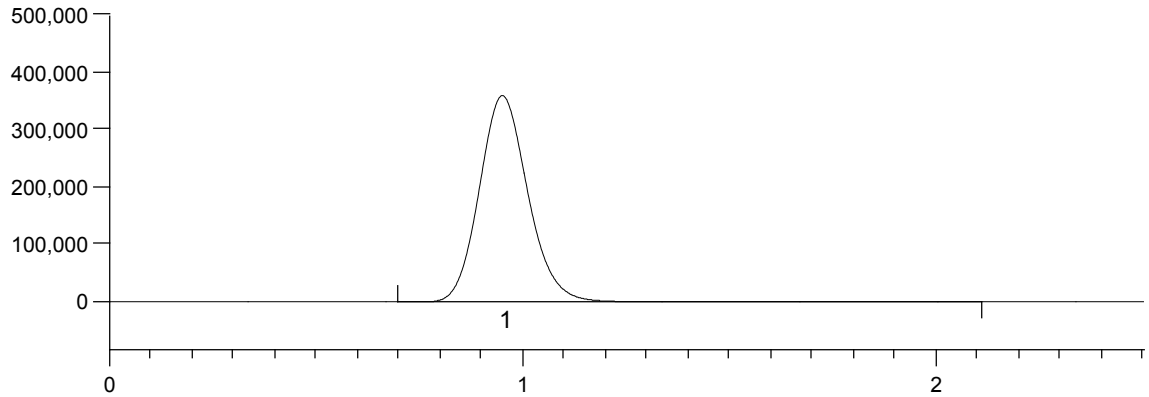
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
205	X	S	1412013-08		1	32,905,440	3,500	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:23 AM

Peak	rt	Area
1	0.94	32,230,043

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
206	Y	S	1412013-09		1	32,230,043	3,430	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:30 AM

Peak	rt	Area
1	0.95	29,545,476

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
207	X	S	1412013-10		1	29,545,476	3,140	0.00		< HS	accept
Notes											

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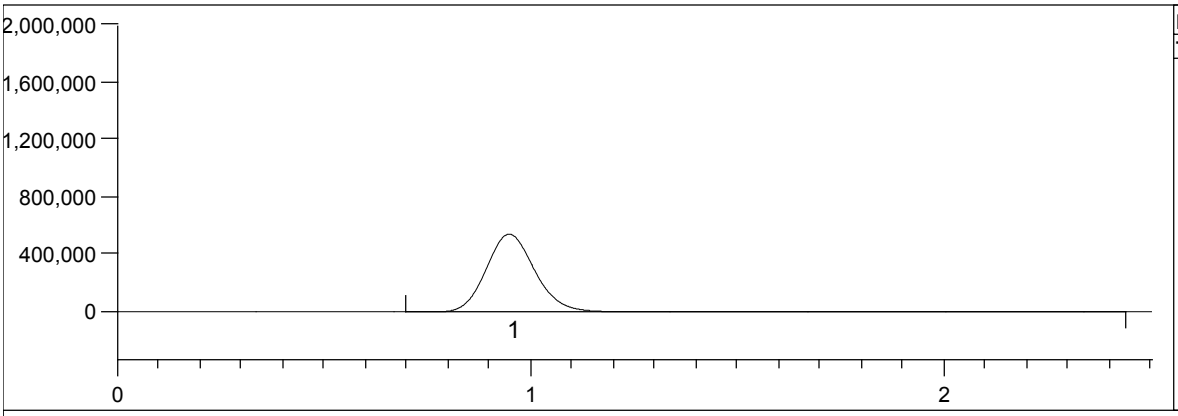
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

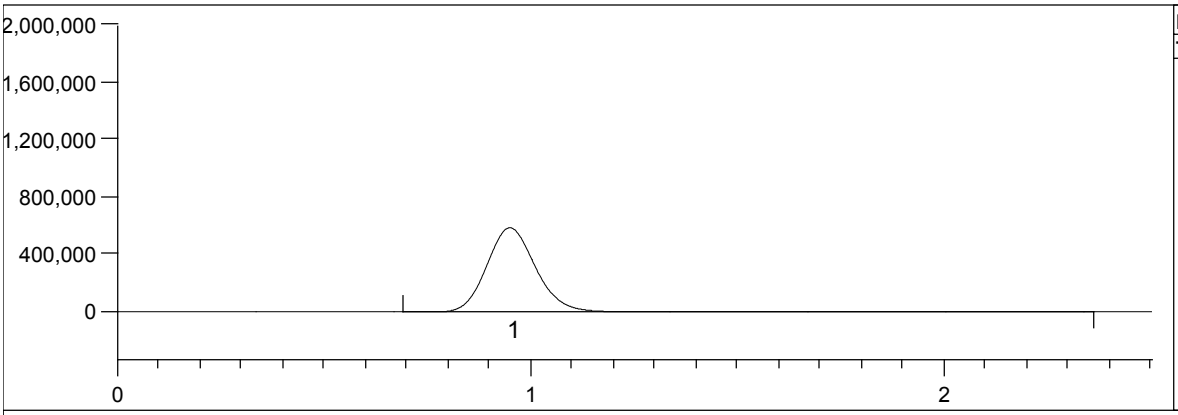
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 9:37 AM

Peak	rt	Area
1	0.94	44,752,022

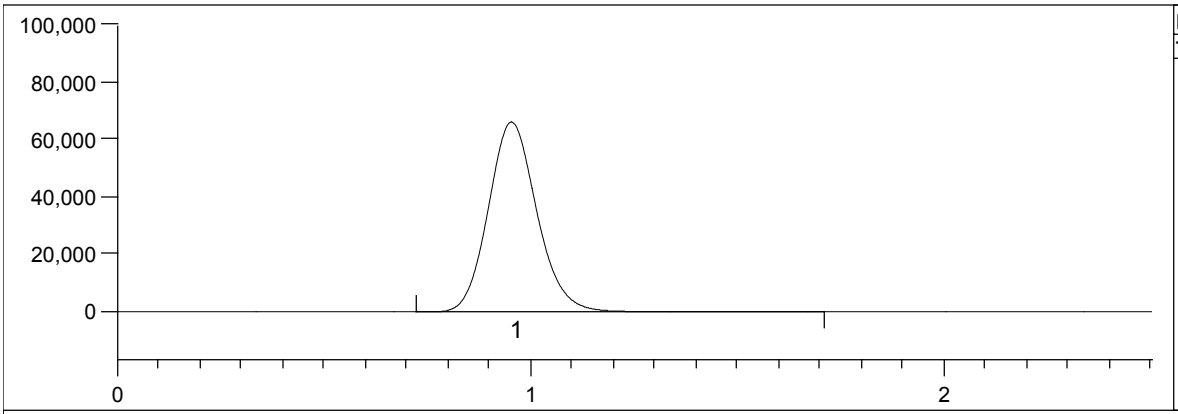
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
208	Y	S	1412013-11		1	44,752,022	4,760	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:44 AM

Peak	rt	Area
1	0.94	48,515,930

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
209	X	S	1412013-12		1	48,515,930	5,160	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:51 AM

Peak	rt	Area
1	0.95	5,420,809

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
210	Y	CCV	SEQ-CCV		1	5,420,809	574		115	77-123	accept
Notes											

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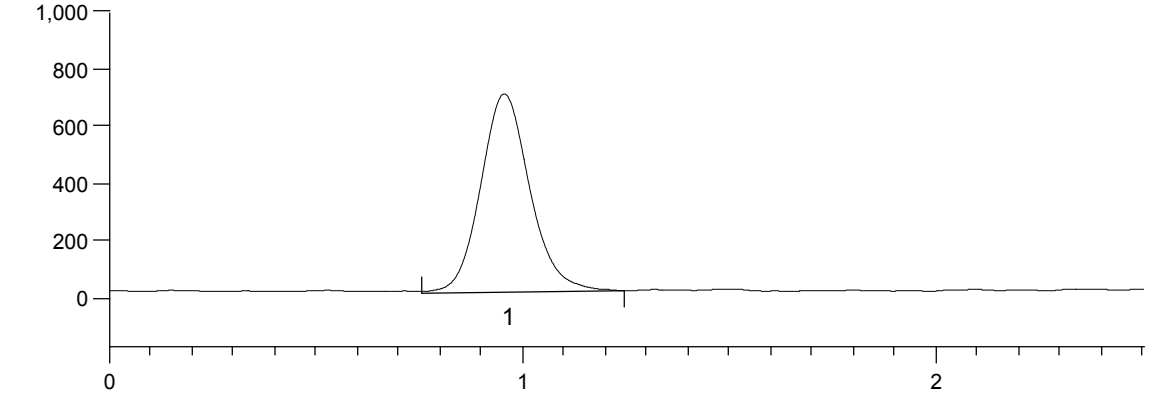
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

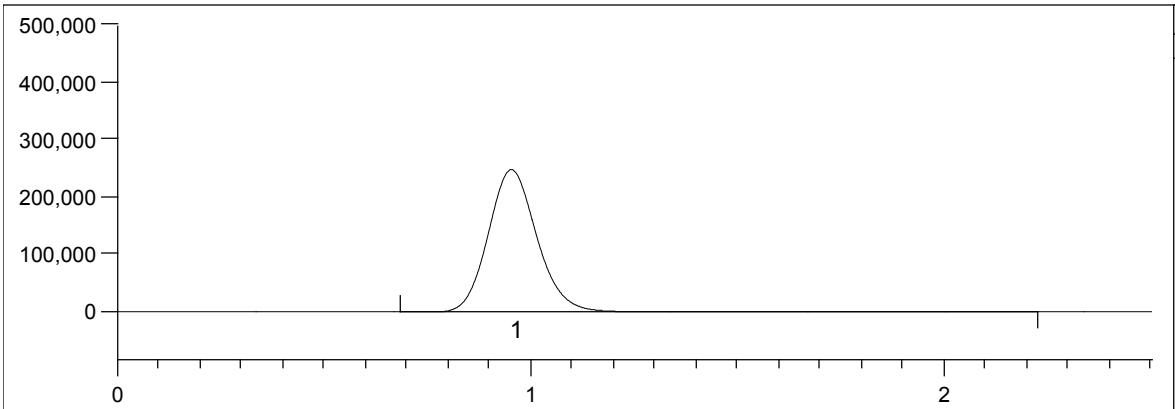
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 9:58 AM

Peak	rt	Area
1	0.95	56,786

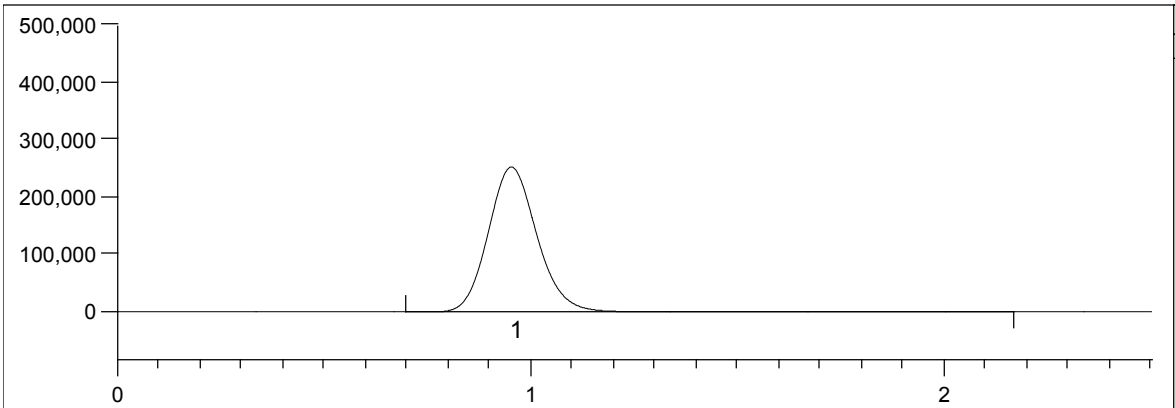
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
211	X	CCB	SEQ-CCB		1	56,786	6.04		6.04	< 10	accept
Notes											



Date: 3/29/14
Time: 10:05 AM

Peak	rt	Area
1	0.95	20,423,530

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
212	Y	S	1412013-13		1	20,423,530	2,170	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 10:12 AM

Peak	rt	Area
1	0.95	20,806,408

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
213	X	S	B140461-DUP2		1	20,806,408	2,210	0.00		< HS	accept
Notes											

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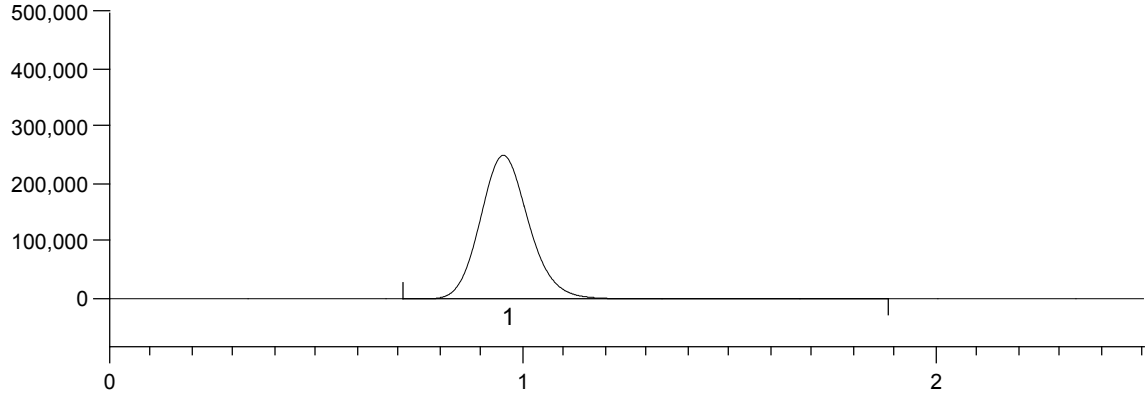
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

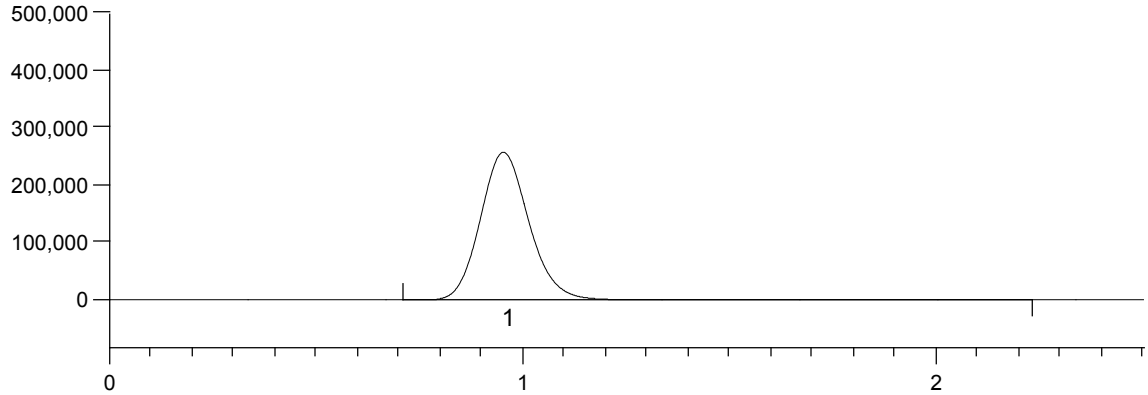
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 10:19 AM

Peak	rt	Area
1	0.95	20,617,556

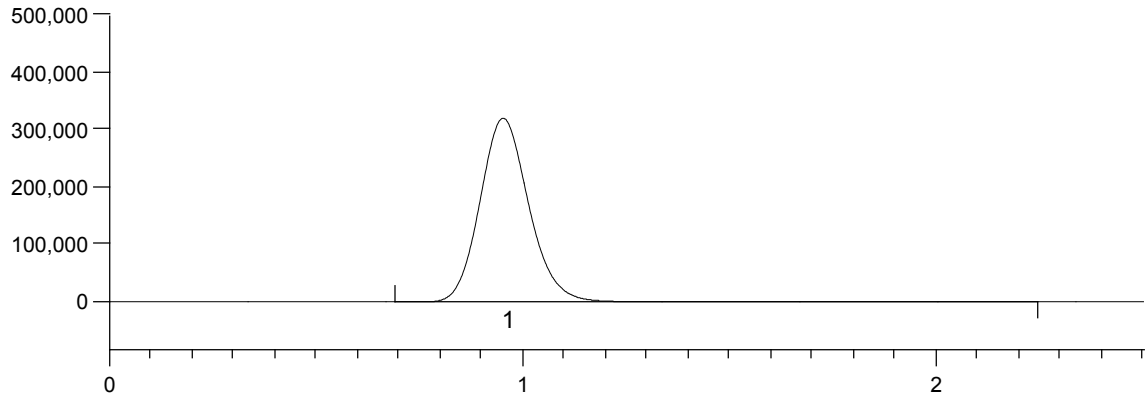
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
214	Y	S	B140461-MS2		1	20,617,556	2,190	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 10:26 AM

Peak	rt	Area
1	0.95	21,179,648

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
215	X	S	B140461-MSD2		1	21,179,648	2,250	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 10:33 AM

Peak	rt	Area
1	0.95	26,427,891

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
216	Y	S	1412013-14		1	26,427,891	2,810	0.00		< HS	accept
Notes											

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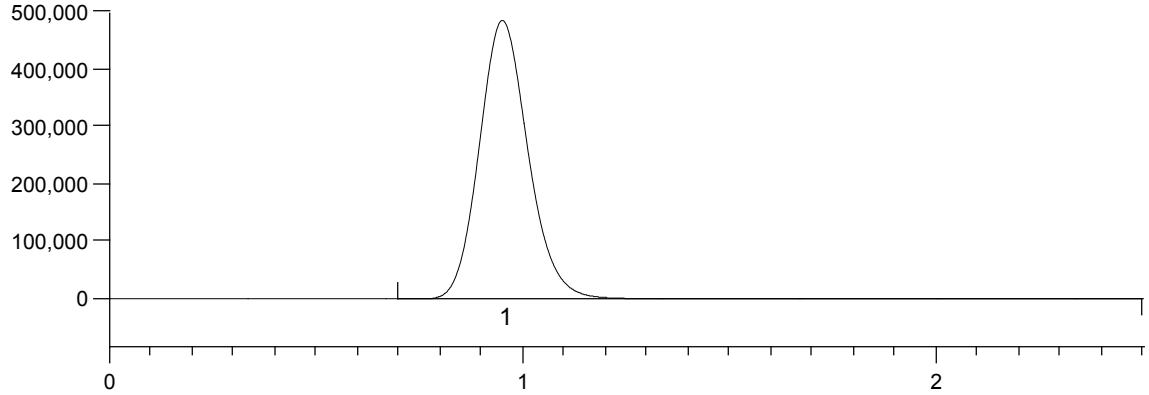
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

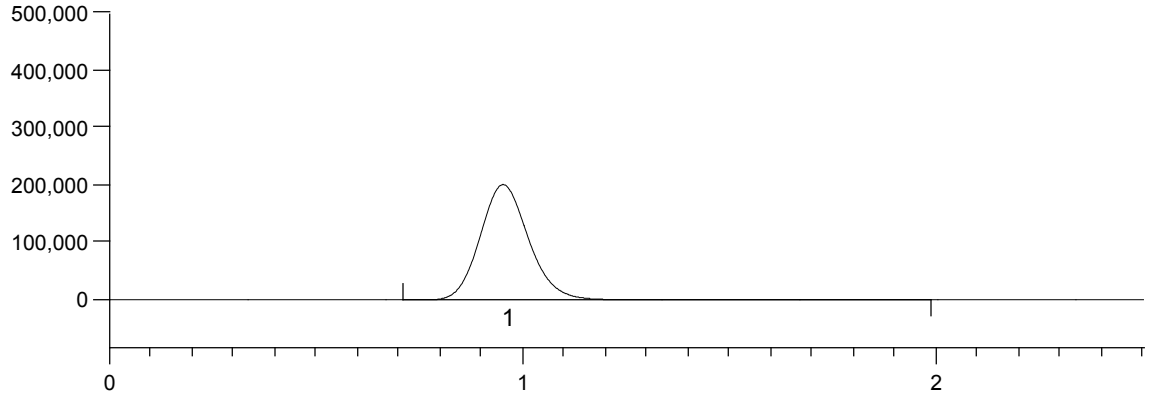
Date Analyzed: 3/28/14
Analyst Name: AAP



Date: 3/29/14
Time: 10:40 AM

Peak	rt	Area
1	0.95	40,146,108

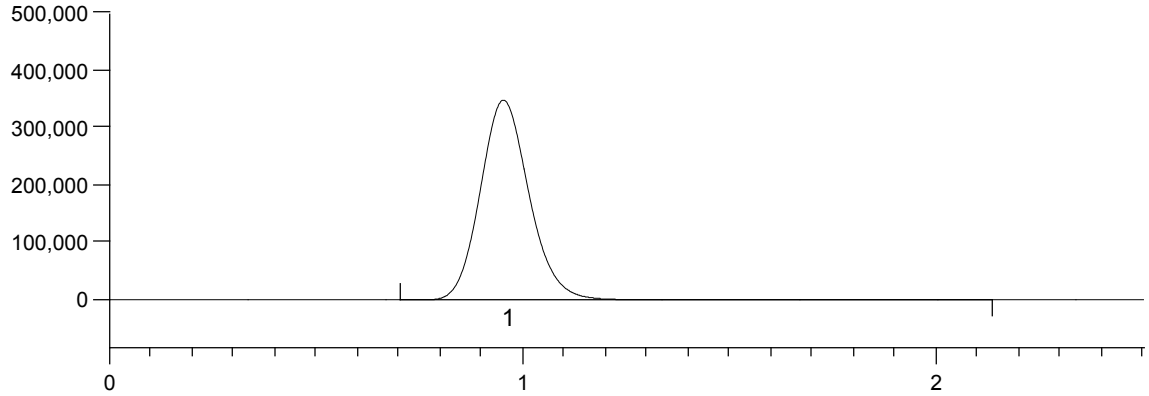
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
217	X	S	1412013-15		1	40,146,108	4,270	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 10:47 AM

Peak	rt	Area
1	0.95	16,528,731

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
218	Y	S	1412013-16		1	16,528,731	1,760	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 10:54 AM

Peak	rt	Area
1	0.95	28,768,618

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
219	X	S	1412013-17		1	28,768,618	3,060	0.00		< HS	accept
Notes											

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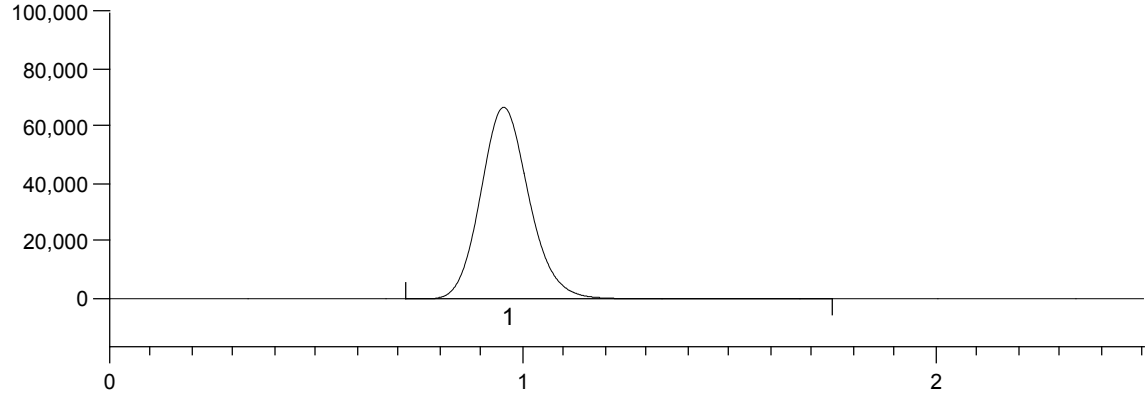
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

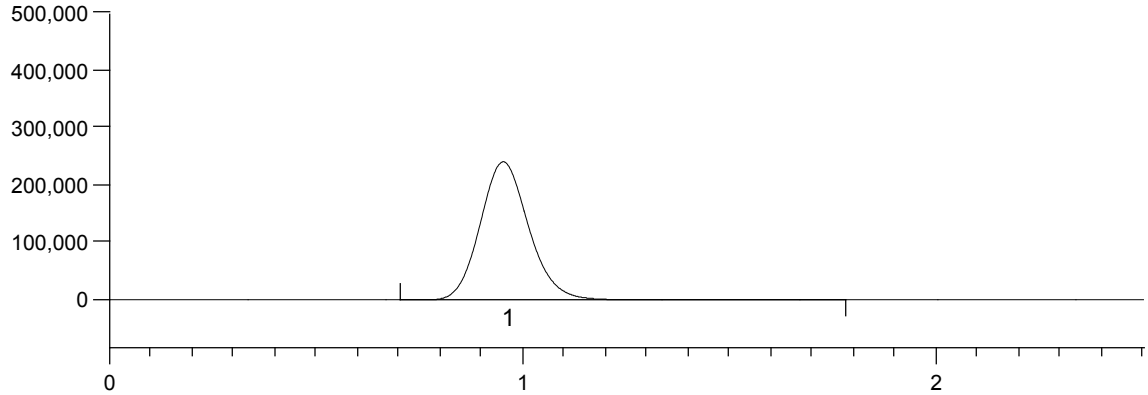
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 11:01 AM

Peak	rt	Area
1	0.95	5,484,157

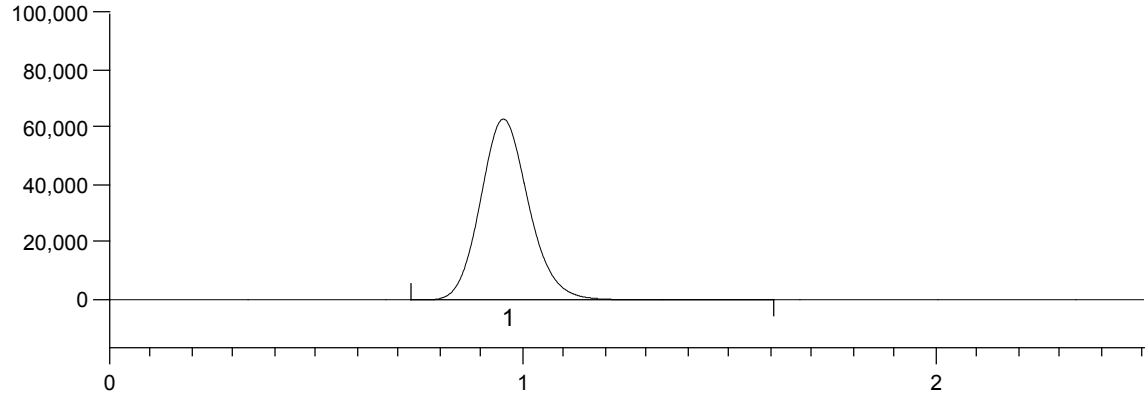
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
220	Y	S	1412013-18		1	5,484,157	581	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 11:08 AM

Peak	rt	Area
1	0.95	19,791,637

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
221	X	S	1412013-19		1	19,791,637	2,100	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 11:15 AM

Peak	rt	Area
1	0.95	5,161,866

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
222	Y	CCV	SEQ-CCV		1	5,161,866	547		109	77-123	accept
Notes											

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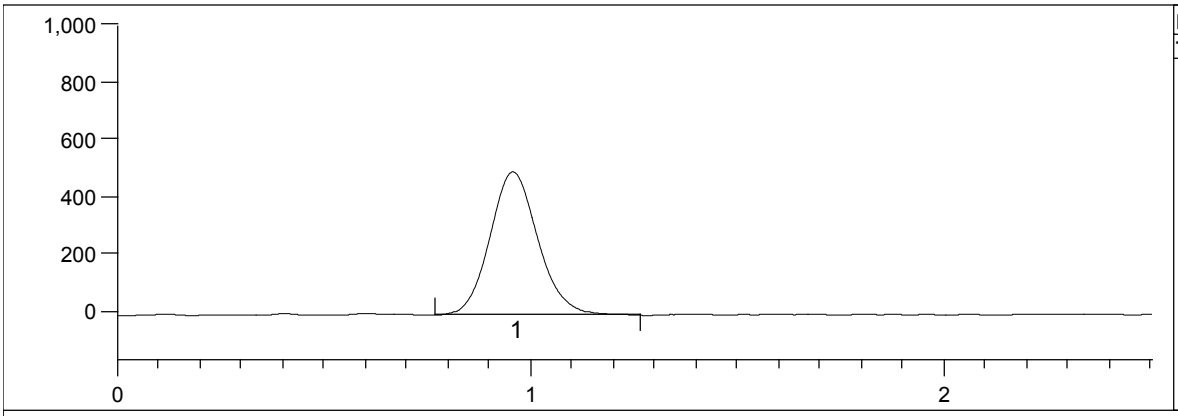
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

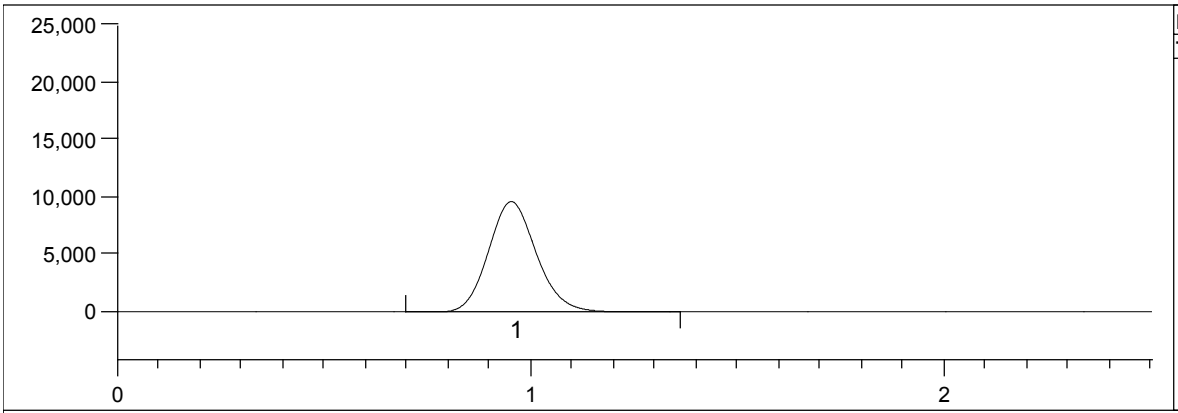
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 11:22 AM

Peak	rt	Area
1	0.95	41,162

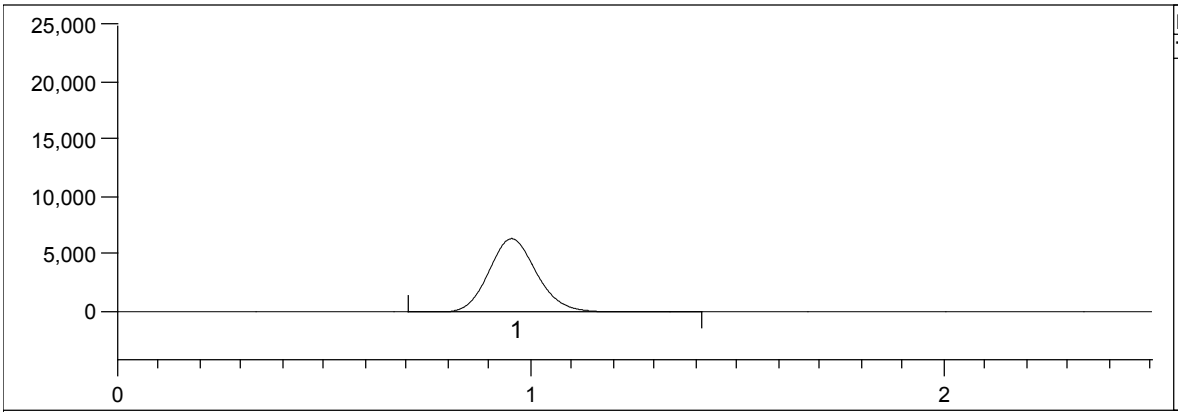
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
223	X	CCB	SEQ-CCB		1	41,162	4.38		4.38	< 10	accept
Notes											



Date: 3/29/14
Time: 11:29 AM

Peak	rt	Area
1	0.95	784,555

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
224	Y	S	1410034-43RE4		1	784,555	81.3	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 11:36 AM

Peak	rt	Area
1	0.95	521,829

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
225	X	S	1410034-43RE5		1	521,829	53.3	0.00		< HS	accept
Notes											

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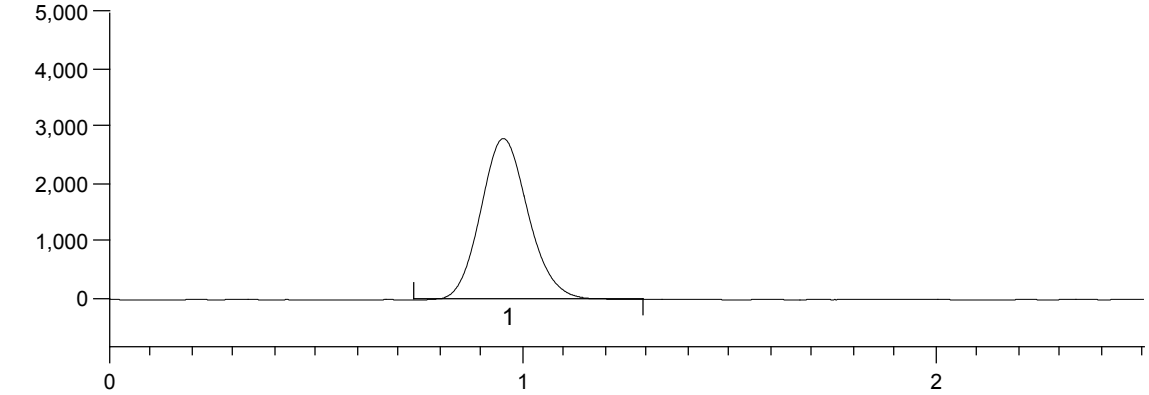
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

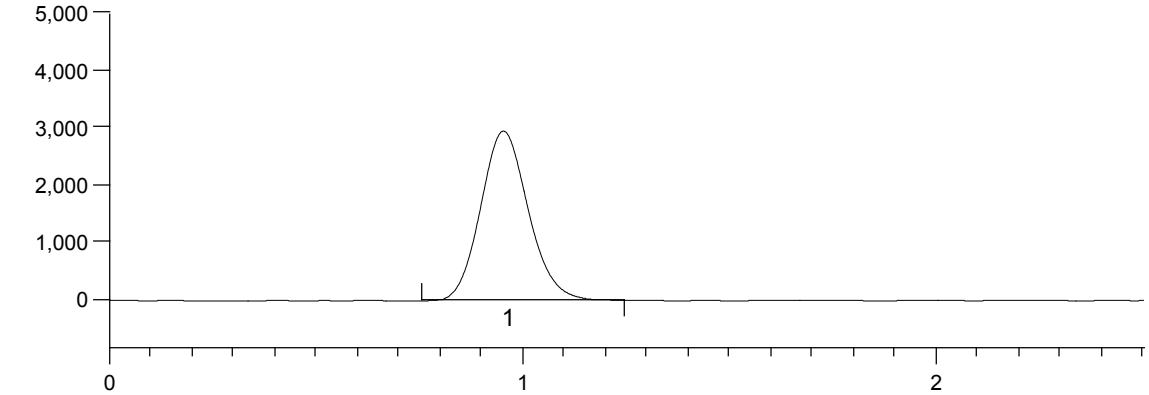
Project Number(s): 1400255 **Date Analyzed:** 3/28/14
Instrument ID: THG-11 **Analyst Name:** AAP



Date: 3/29/14
Time: 11:43 AM

Peak	rt	Area
1	0.95	229,579

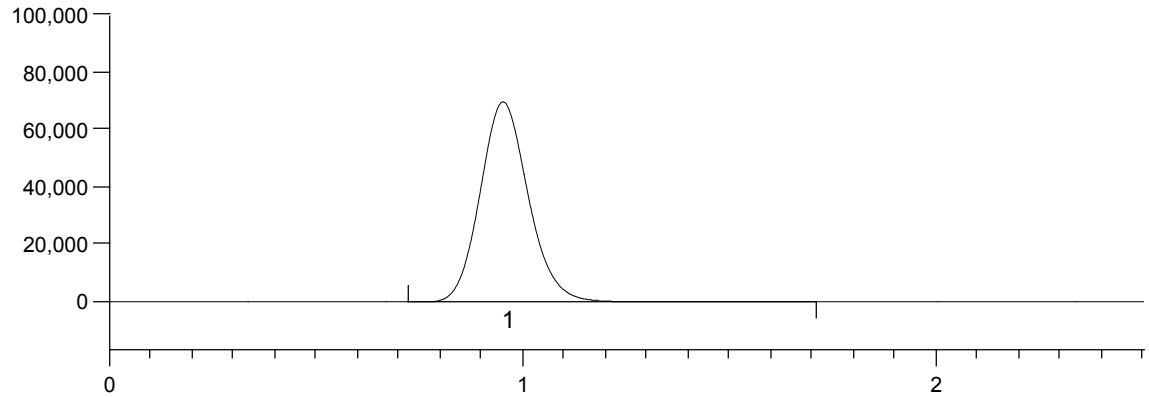
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
226	Y	S	1411052-02RE2		1	229,579	22.3	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 11:50 AM

Peak	rt	Area
1	0.95	240,812

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
227	X	S	1411052-03RE2		1	240,812	23.5	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 11:57 AM

Peak	rt	Area
1	0.95	5,696,016

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
228	Y	CCV	SEQ-CCV		1	5,696,016	604		121	77-123	accept
Notes											

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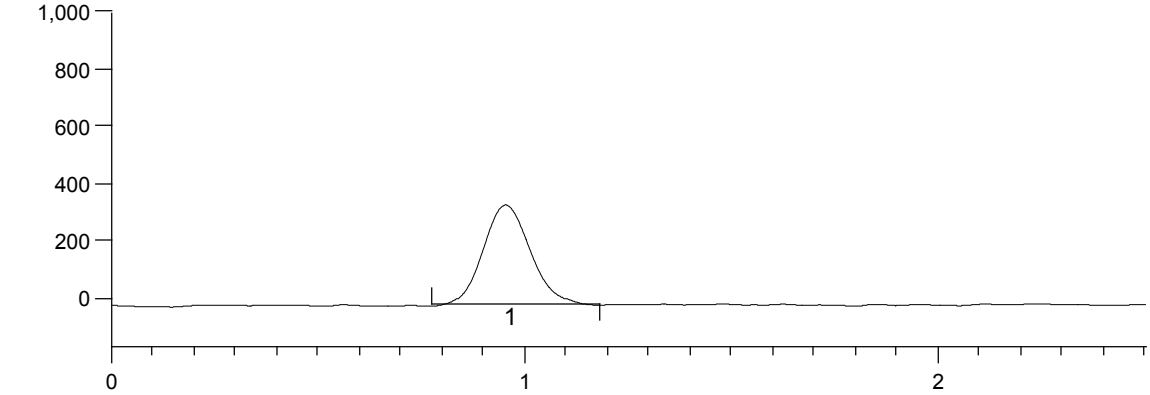
Peak Report

Batch Number: B140380, 442, 386, 493, 472, 435, 461
Method Number: CVAFS BR-0006

Project Number(s): 1400255
Instrument ID: THG-11

Date Analyzed: 3/28/14
Analyst Name: AAP



Date: 3/29/14
Time: 12:04 PM

Peak	rt	Area
1	0.95	28,853

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
229	X	CCB	SEQ-CCB		1	28,853	3.07		3.07	< 10	accept
Notes											

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ANALYSIS SEQUENCE

1400259

Brooks Rand Labs

Instrument: HGAAS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400259-IBL1	1400259	QC	1		-			
1400259-IBL2	1400259	QC	2		-			
1400259-IBL3	1400259	QC	3		-			
1400259-CAL1	1400259	QC	4	1410027	-			
1400259-CAL2	1400259	QC	5	1410028	-			
1400259-CAL3	1400259	QC	6	1410029	-			
1400259-CAL4	1400259	QC	7	1410030	-			
1400259-CAL5	1400259	QC	8	1410031	-			
1400259-ICV1	1400259	QC	9	1410008	-			
1400259-CCV1	1400259	QC	10	1410007	-			
1400259-CCB1	1400259	QC	11		-			
B140444-BLK1	B140444	QC	12		-			
B140444-BLK2	B140444	QC	13		-			
B140444-BLK3	B140444	QC	14		-			
B140444-BS1	B140444	QC	15		-			
B140444-BS2	B140444	QC	16		-			
1411043-01	B140444	As(III)-B-HClExt-HGAAS	17			ARD-MV1302	4/7/2014	
B140444-DUP1	B140444	QC	18		1411043-01			
B140444-MS1	B140444	QC	19		1411043-01			
B140444-MSD1	B140444	QC	20		1411043-01			
1411043-02	B140444	As(III)-B-HClExt-HGAAS	21			ARD-MV1302	4/7/2014	
1411043-03	B140444	As(III)-B-HClExt-HGAAS	22			ARD-MV1302	4/7/2014	
1411043-04	B140444	As(III)-B-HClExt-HGAAS	23			ARD-MV1302	4/7/2014	
1411043-05	B140444	As(III)-B-HClExt-HGAAS	24			ARD-MV1302	4/7/2014	
1411043-06	B140444	As(III)-B-HClExt-HGAAS	25			ARD-MV1302	4/7/2014	
1411043-07	B140444	As(III)-B-HClExt-HGAAS	26			ARD-MV1302	4/7/2014	

ANALYSIS SEQUENCE

1400259

Brooks Rand Labs

Instrument: HGAAS-2

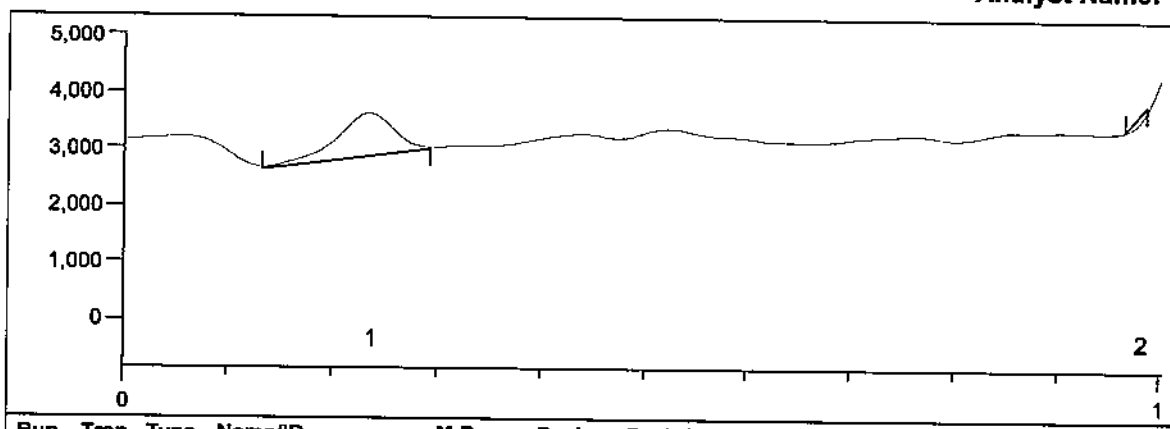
Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-08	B140444	As(III)-B-HClExt-HGAAS	27			ARD-MV1302	4/7/2014	
1411043-09	B140444	As(III)-B-HClExt-HGAAS	28			ARD-MV1302	4/7/2014	
B140444-DUP2	B140444	QC	29		1411043-09			
B140444-PS1	B140444	QC	30		1411043-09			
1400259-CCV2	1400259	QC	31	1410007	-			
1400259-CCB2	1400259	QC	32		-			
1411043-10	B140444	As(III)-B-HClExt-HGAAS	33			ARD-MV1302	4/7/2014	
1411043-11	B140444	As(III)-B-HClExt-HGAAS	34			ARD-MV1302	4/7/2014	
1411043-12	B140444	As(III)-B-HClExt-HGAAS	35			ARD-MV1302	4/7/2014	
1411043-13	B140444	As(III)-B-HClExt-HGAAS	36			ARD-MV1302	4/7/2014	
1411043-14	B140444	As(III)-B-HClExt-HGAAS	37			ARD-MV1302	4/7/2014	
1411043-15	B140444	As(III)-B-HClExt-HGAAS	38			ARD-MV1302	4/7/2014	
1411043-16	B140444	As(III)-B-HClExt-HGAAS	39			ARD-MV1302	4/7/2014	
1411043-17	B140444	As(III)-B-HClExt-HGAAS	40			ARD-MV1302	4/7/2014	
1411043-18	B140444	As(III)-B-HClExt-HGAAS	41			ARD-MV1302	4/7/2014	
1411043-19	B140444	As(III)-B-HClExt-HGAAS	42			ARD-MV1302	4/7/2014	
1400259-CCV3	1400259	QC	43	1410007	-			
1400259-CCB3	1400259	QC	44		-			

Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

Date Analyzed: 3/28/14
Analyst Name: IRJ

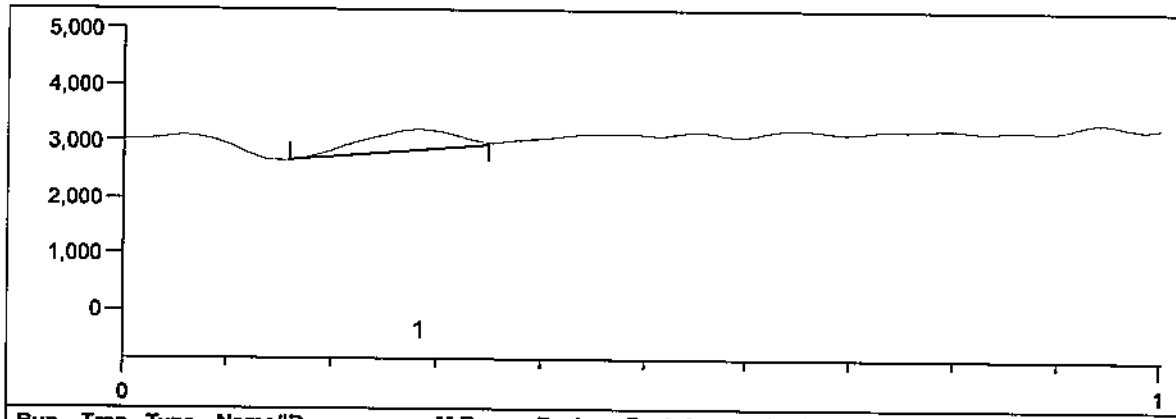


Date: 3/28/14
Time: 9:44 AM

Peak	rt	Area
1	0.23	26,637
2	0.98	-557

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1		CB	SEQ-IBL1		1	26,637	0.134		0.134	< 0.40	accept
Notes											

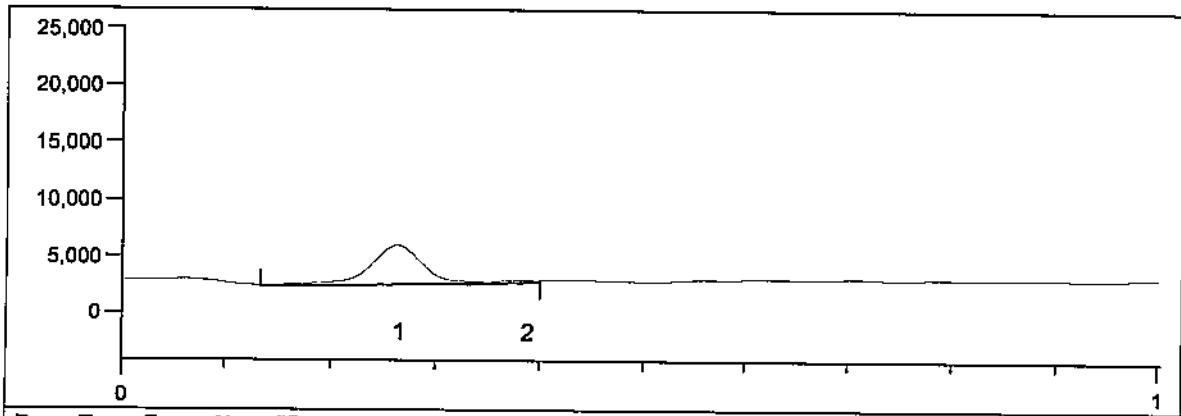


Date: 3/28/14
Time: 9:51 AM

Peak	rt	Area
1	0.28	21,227

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3		CB	SEQ-IBL3		1	21,227	0.107		0.107	< 0.40	accept
Notes											



Date: 3/28/14
Time: 9:56 AM

Peak	rt	Area
1	0.26	109,628
2	0.38	1,170

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4		STD	SEQ-CAL1		1	109,628	0.458		91.6	80-120	accept
Notes											

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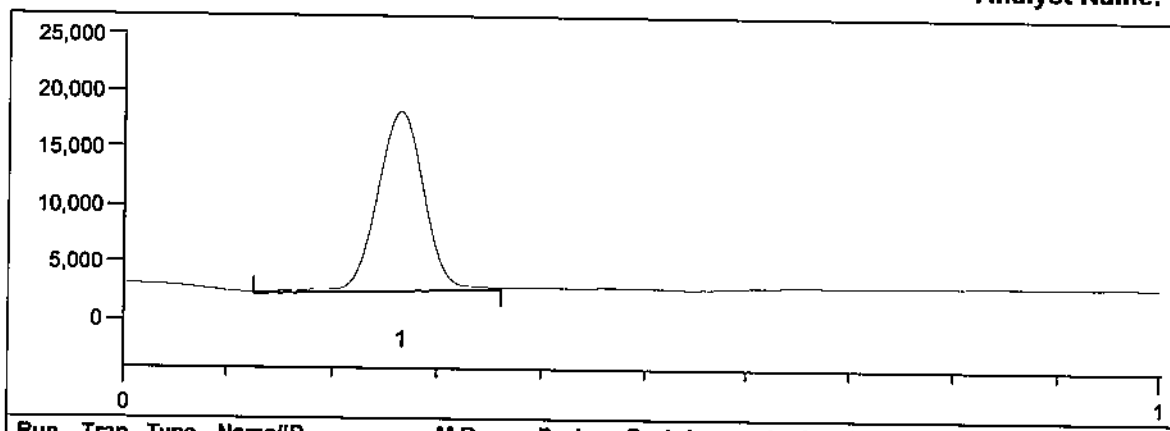
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

Date Analyzed: 3/28/14
Analyst Name: IRJ

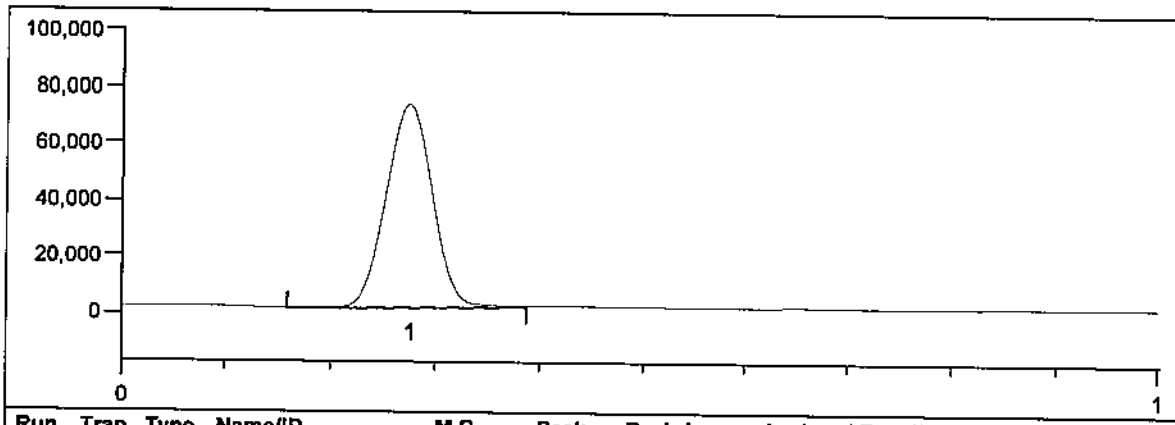


Date: 3/28/14
Time: 10:00 AM

Peak	rt	Area
1	0.26	473,749

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5		STD	SEQ-CAL2		1	473,749	2.29		114	80-120	accept
Notes											

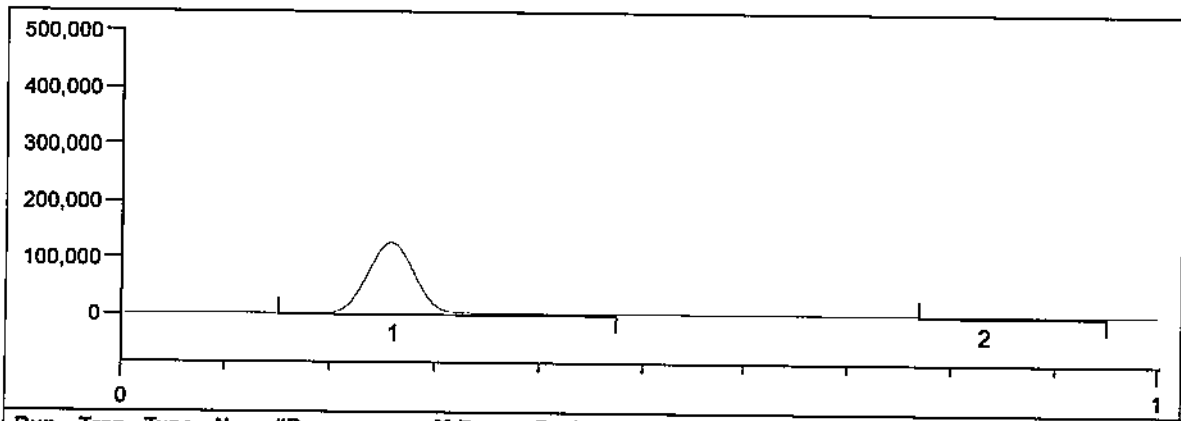


Date: 3/28/14
Time: 10:03 AM

Peak	rt	Area
1	0.27	2,194,440

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6		STD	SEQ-CAL3		1	2,194,440	10.9		109	80-120	accept
Notes											



Date: 3/28/14
Time: 10:07 AM

Peak	rt	Area
1	0.25	3,974,410
2	0.83	14,405

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7		STD	SEQ-CAL4		1	3,974,410	19.9		99.3	80-120	accept
Notes											

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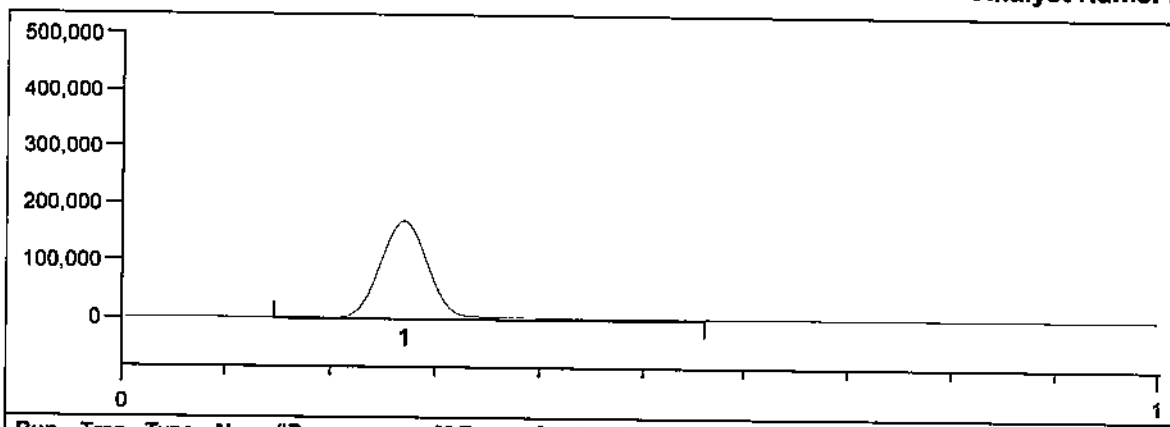
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

Date Analyzed: 3/28/14
Analyst Name: IRJ

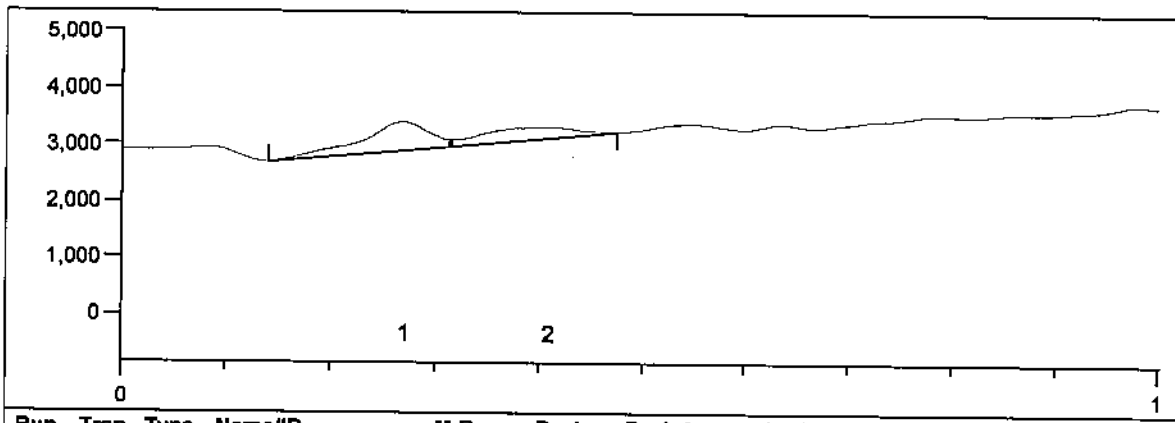


Date: 3/28/14
Time: 10:12 AM

Peak	rt	Area
1	0.26	5,398,811

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8		STD	SEQ-CAL5		1	5,398,811	27.0		90.0	80-120	accept
Notes											

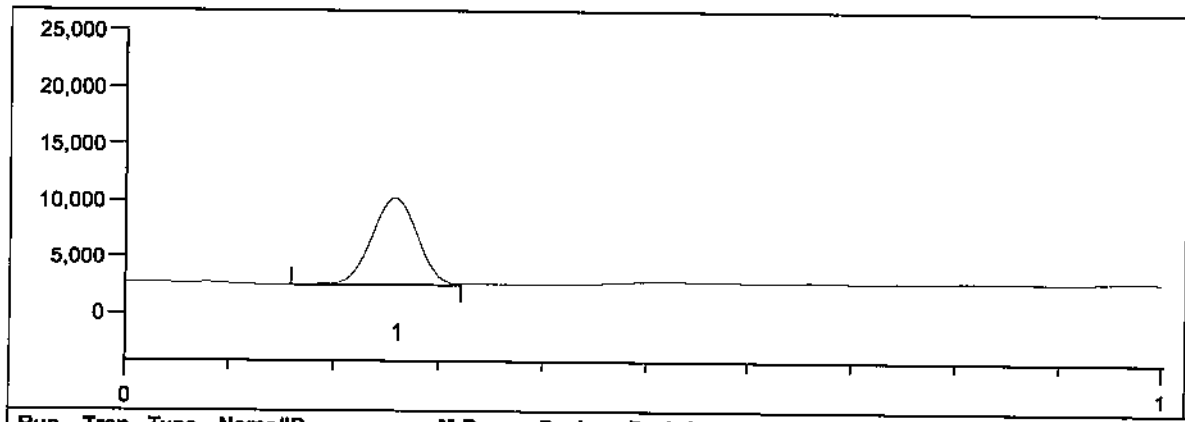


Date: 3/28/14
Time: 10:42 AM

Peak	rt	Area
1	0.26	23,126
2	0.40	13,346

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12		S	B140444-BLK1		1	23,126	0.0241	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 11:07 AM

Peak	rt	Area
1	0.25	229,788

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17		S	1411043-01		1	229,788	1.06	0.00		< HS	accept
Notes											

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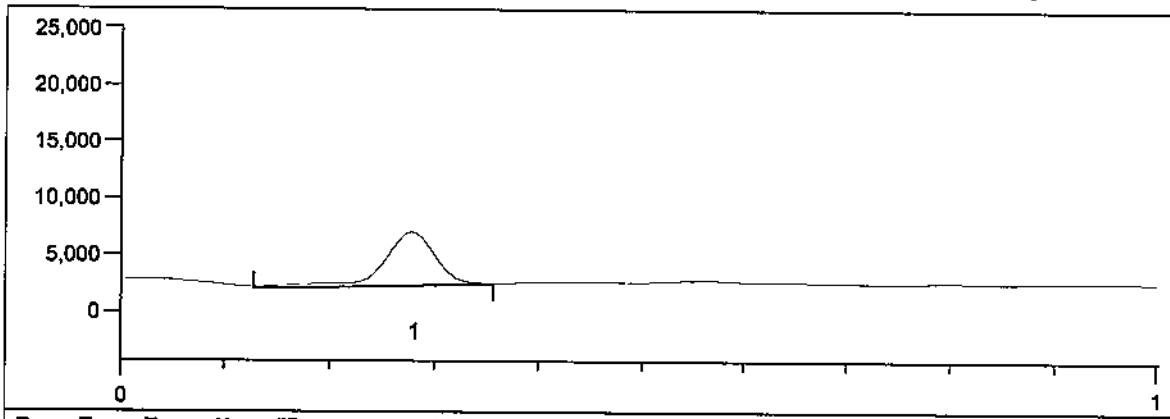
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

Date Analyzed: 3/28/14
Analyst Name: IRJ

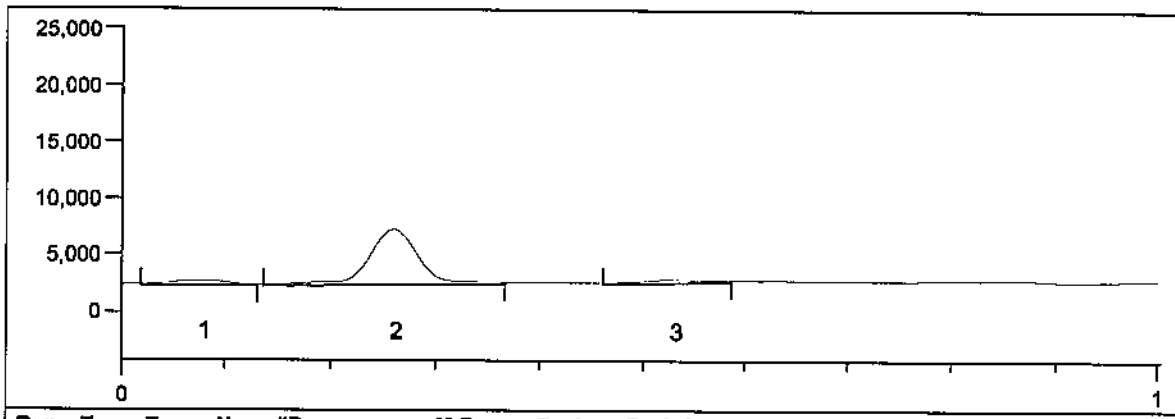


Date: 3/28/14
Time: 11:24 AM

Peak	rt	Area
1	0.28	150,239

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
21		S	1411043-02		1	150,239	0.662	0.00		< HS	accept
Notes											

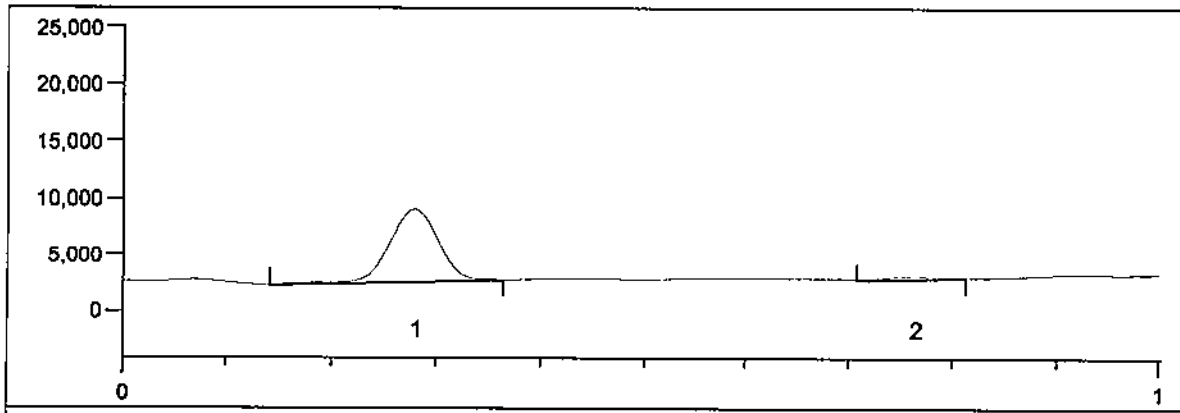


Date: 3/28/14
Time: 11:29 AM

Peak	rt	Area
1	0.07	10,776
2	0.26	150,304
3	0.53	6,539

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
22		S	1411043-03		2	150,304	0.662	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 11:33 AM

Peak	rt	Area
1	0.28	212,264
2	0.76	7,238

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
23		S	1411043-04		1	212,264	0.973	0.00		< HS	accept
Notes											

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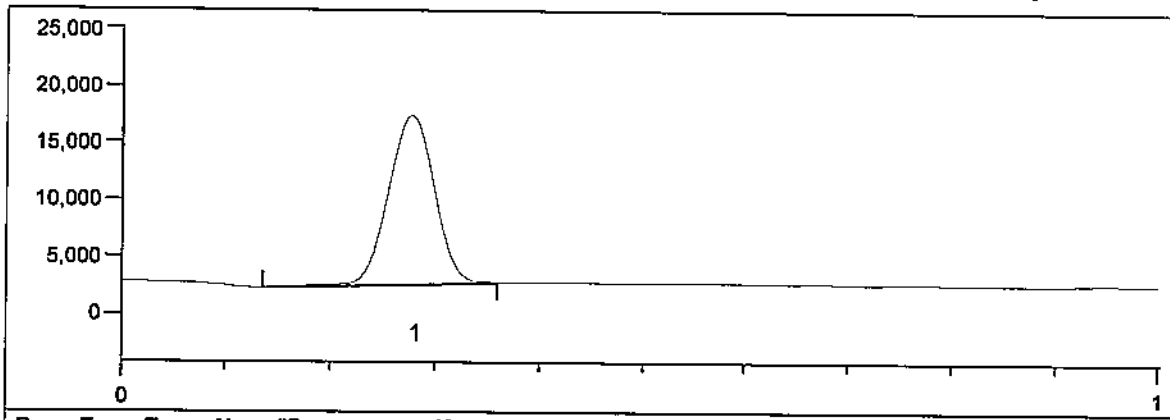
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

Date Analyzed: 3/28/14
Analyst Name: IRJ

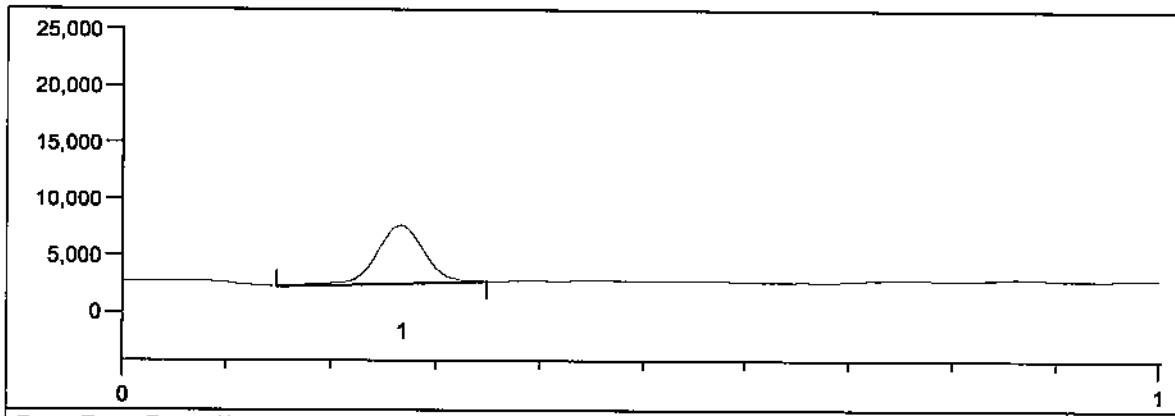


Date: 3/28/14
Time: 11:38 AM

Peak	rt	Area
1	0.27	457,144

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24		S	1411043-05		1	457,144	2.20	0.00		< HS	accept
Notes											

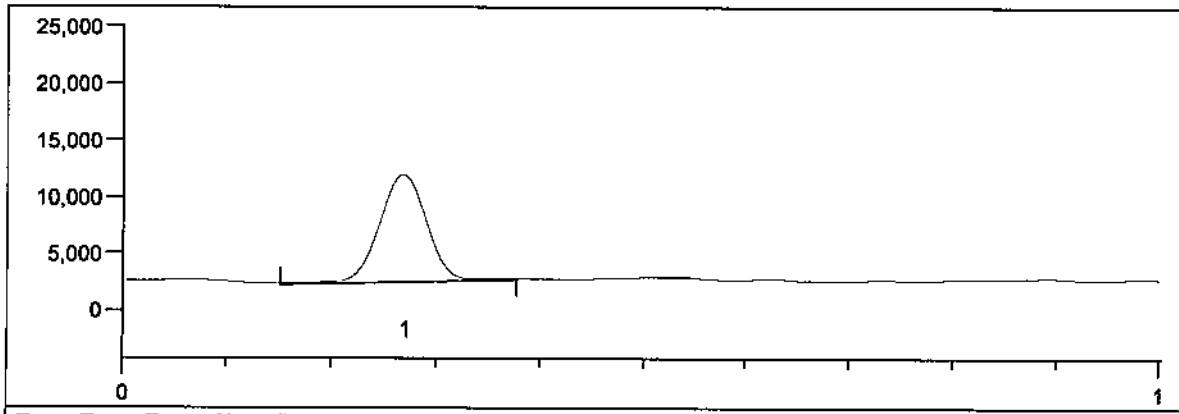


Date: 3/28/14
Time: 11:42 AM

Peak	rt	Area
1	0.26	161,708

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
25		S	1411043-06		1	161,708	0.720	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 11:48 AM

Peak	rt	Area
1	0.26	293,702

CWB
~~4/11/~~
4/11/14
CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
26		S	1411043-07		1	293,702	1.38	0.00		< HS	accept
Notes											

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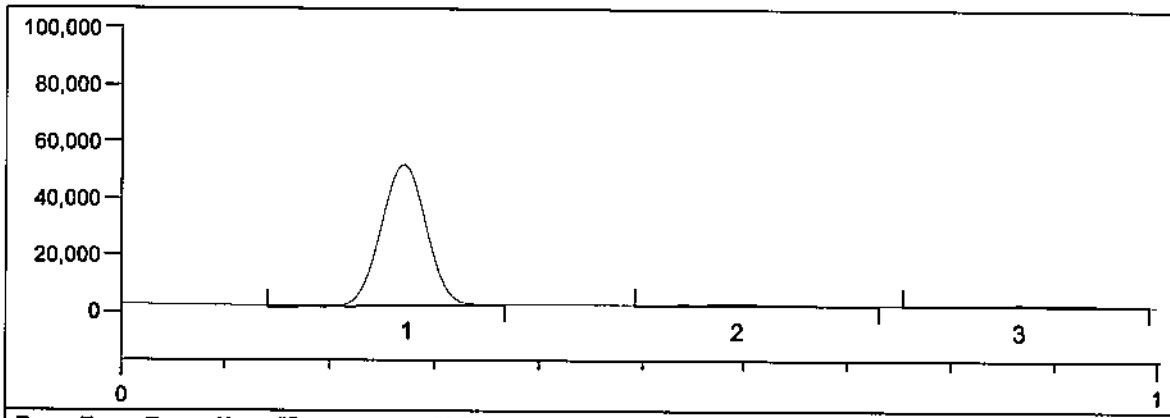
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

Date Analyzed: 3/28/14
Analyst Name: IRJ

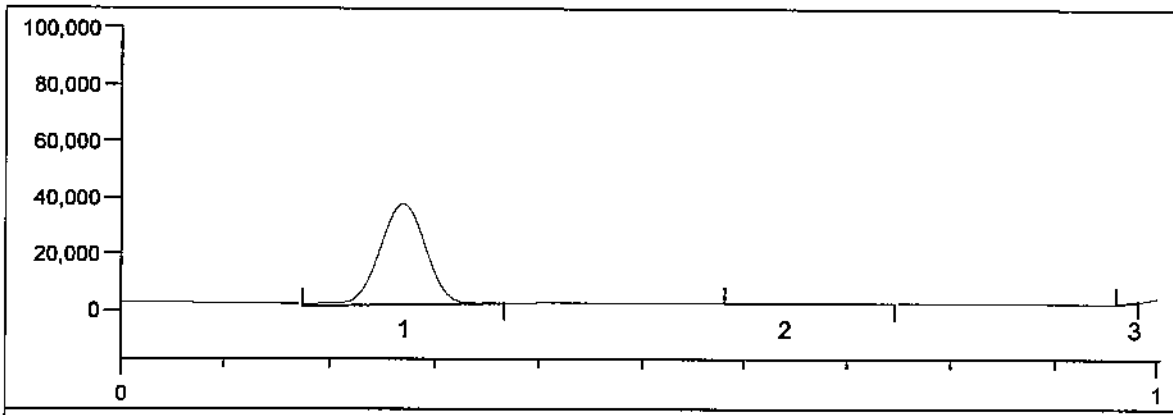


Date: 3/28/14
Time: 11:57 AM

Peak	rt	Area
1	0.27	1,487,476
2	0.59	27,871
3	0.86	42,677

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
28		S	1411043-09		1	1,487,476	7.37	0.00		< HS	accept
Notes											

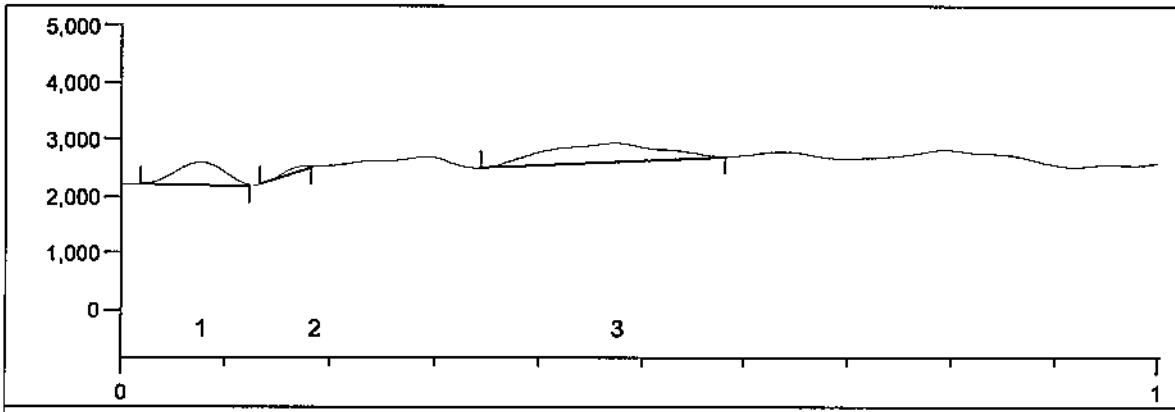


Date: 3/28/14
Time: 12:09 PM

Peak	rt	Area
1	0.26	1,061,251
2	0.63	9,556
3	0.97	-914

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31		OPR	SEQ-CCV		1	1,061,251	5.23		105	80-120	accept
Notes											



Date: 3/28/14
Time: 12:13 PM

Peak	rt	Area
1	0.07	11,833
2	0.18	1,437
3	0.47	26,040

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
32		CCB	SEQ-CCB		3	26,040	0.131		0.131	< 0.40	accept
Notes											

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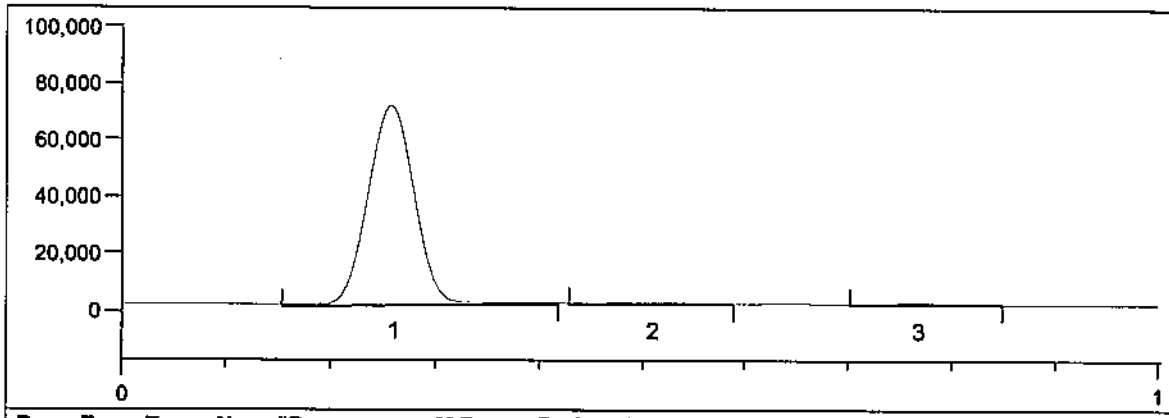
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

Date Analyzed: 3/28/14
Analyst Name: IRJ

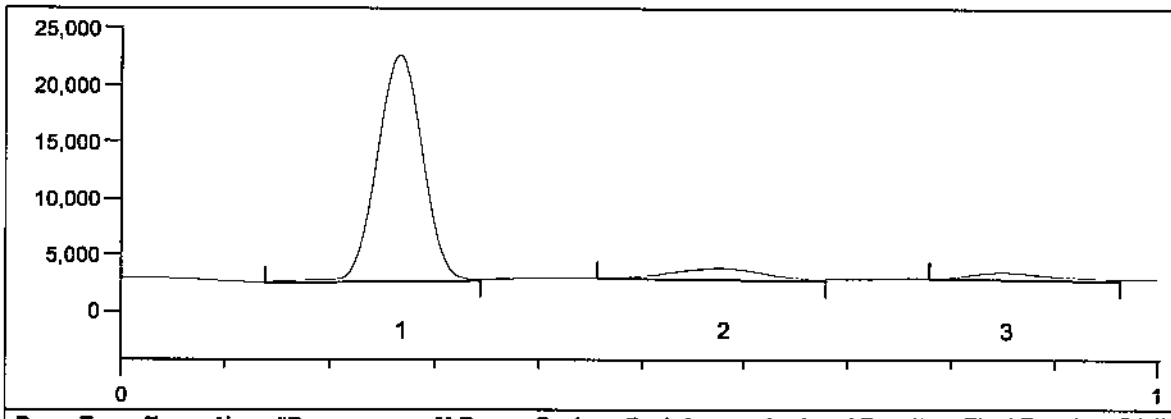


Date: 3/28/14
Time: 1:14 PM

Peak	rt	Area
1	0.25	2,133,226
2	0.50	27,533
3	0.76	23,879

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
36		S	1411043-13		1	2,133,226	10.6	0.00		< HS	accept
Notes											

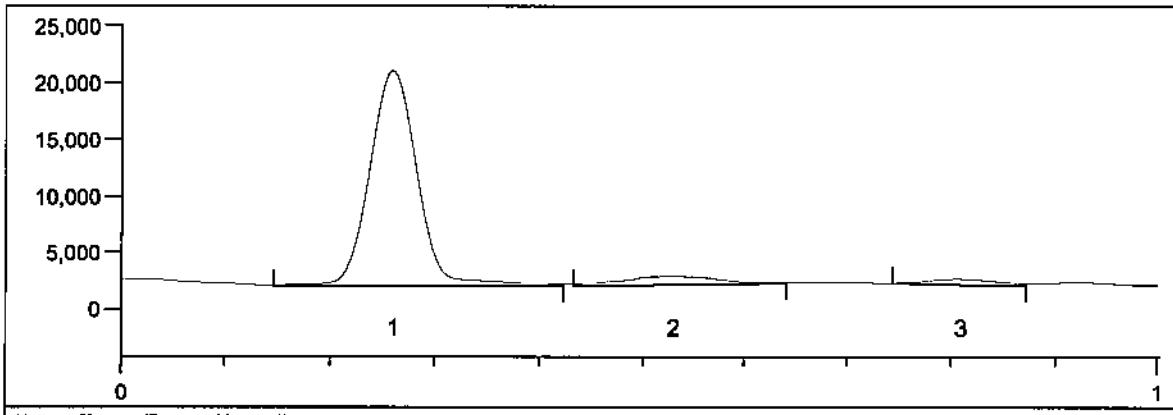


Date: 3/28/14
Time: 1:19 PM

Peak	rt	Area
1	0.26	602,249
2	0.57	54,942
3	0.85	28,319

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
37		S	1411043-14		1	602,249	2.93	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 1:27 PM

Peak	rt	Area
1	0.26	586,121
2	0.52	35,862
3	0.80	14,686

CWB
4/11/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
39		S	1411043-16		1	586,121	2.85	0.00		< HS	accept
Notes											

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Manual Integration Abbreviation Sheet

m. Modified peak shape due to split peak in Guru software

u. Unidentified peak. No peak called out in the appropriate retention time window

m1. Modified peak due to dip in hydride baseline. Peak integrated from the new baseline

m2. Modified peak due to dip in hydride baseline. Peak integrated from old baseline

dp. Double peak called out by software.

g. Analysis volume value is a mass, assumed to be equal to a volume based on an assumed density of 1.00 +/- 0.03g/mL.

SOP(s) / Rev#(s): 0021 - Rev 004c

As(In) ☐ As(III) ☑ MMA ☐ DMA ☐ Analysis Sheet

Sequence: 1400259
Analyst: DRJ
Cal. blank (average): 0.004 µg/L
Method blank (average): 0.00 ng/kg
Cal. Std. 10ng/mL: 1410034
6M HCl: —

Batch(es): B140444
Date: 03-28-14
Cal. coefficient: 0.00509
Noise: 2336
ICV Std. 100ng/mL: 1410036
2.5M Tris-HCl: 1409009

Matrix: Biota
Pump purge time: 2:30
RSD: 11.3 %
Trap(s) #: 58
4% NaBH4: 1404005

	Run #	Sample ID	Analyzed volume (mL)	Dilution Factor	Analysis comments / For QC: Source sample, standard ID, and spiked amount
m2	1	SEQ-IBL1	-		
	2	-IBL2	-		
m2	3	-IBL3	-		
m1	4	-CAL1	0.050		10ng/mL Cal.
m2	5	-CAL2	0.200		
	6	-CAL3	1.00		
	7	-CAL4	2.00		
	8	-CAL5	3.00		
	9	-ICV1	0.050		100ng/mL ICV
	10	-CCV1	0.500		10ng/mL Cal.
	11	-CCB1	-		
m2	12	B140444-BLK1	2.00		
	13	-BLK2			
	14	-BLK3			
	15	-BS1			
	16	-BS2			
m2	17	1411043-01			
	18	B140444-DIAP1			native: 1411043-01
	19	-MS1			
	20	-MSD1			
m2	21	1411043-02			
	22	-03			
	23	-04			
	24	-05			

Comments:

As(In) ☐ As(III) ☑ MMA ☐ DMA ☐ Analysis Sheet

Sequence: 1400259 Batch: B140444 Analyst: TRJ Date: 03-28-14

	Run #	Sample ID	Analyzed Volume (mL)	Dilution Factor	Analysis comments / For QC: Source sample, standard ID, and spiked amount
m2	25	1411043-06	2.00		
	26	-07			
TRJ	27	-08			
3-28-14 m2	28	-09	0.100		
	29	B140444-DUP2			native: 1411043-09
	30	-PS1 ①			@ 10ng-1.0mL Cal.
m2	31	SEQ-CCV2	0.500		10ng/mL Cal.
m1	32	-CCB2	-		
	33	1411043-10	0.200		
	34	-11			
	35	-12			
m2	36	-13			
	37	-14			
	38	-15			
m2	39	-16			
	40	-17			
	41	-18			
	42	-19			
	43	SEQ-CCV3	0.500		10ng/mL Cal.
	44	-CCB3	-		
					TRJ 03-28-14

Comments: ① ms/msD2 were undersPiked; PS1 will be run in their place.

Total As / Total Se / As Species Ing, III, MMA/DMA (circle)

Methods BR-0020 Rev _____ (HGAAS) & BR-0021 Rev_____ Mod. of EPA 1632 (HGAAS) - circle

Matrix: Water / Sediment / Biota / Other_____ (circle one)

Batch #(s): B140443,4,5,6 Preparation Start Date/Time*: 03-26-14 / 1535 Page 1 of 2

* Time is when the first reagents are added.

Prepared By: IRJ

Balance ID: BL-08

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
1411043-01	0.5015	
1411043-02	0.5133	
1411043-03	0.5291	
1411043-04	0.5001	
1411043-05	0.5280	
1411043-06	0.4647	
1411043-07	0.4862	
1411043-08	0.5728	
1411043-09	0.5366	
1411043-10	0.5277	
1411043-11	0.5174	
1411043-12	0.5276	
1411043-13	0.5134	
1411043-14	0.5406	
1411043-15	0.5180	
1411043-16	0.4986	
1411043-17	0.5613	

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
1411043-18	0.4860	
1411043-19	0.5087	
B140443-DUP1	0.4913	Ing/III/MMA/DMA
B140443-DUP2	0.4939	Ing/III/MMA/DMA
B140443-MS1	0.4981	Ing/III
B140443-MSD1	0.5512	Ing/III
B140443-MS2	0.5550	Ing/III
B140443-MSD2	0.5214	Ing/III
B140445-MS1	0.5348	MMA/DMA
B140445-MSD1	0.5518	MMA/DMA
B140445-MS2	0.5240	MMA/DMA
B140445-MSD2	0.5609	MMA/DMA
B140445-SRM1	0.2796	Ing/III/MMA/DMA
IRJ 03-26-14		

Batch QC ID	Sample Source	Spike Added (mL)	Spike Concentration (ug/mL)	Spike ID	Spike Witness Initials/Date
B140443/444 BS1	–	0.500	0.10	1410002 ✓	
B140444- BS2	–	↓	↓	1410006 ✓	IRJ
B140445/446 ~~BS3~~ BS1 IRJ 03-26-14	–	0.5/0.5	0.10 / 0.10	1410037/1410038 ✓	3/26/14
B140443 MS/MSD1	43-01	0.500	0.10	1410006 ✓	
B140443 MS/MSD2	43-09	0.050	10	~~↓~~ 1410005 ✓	
B140445 MS/MSD1	43-01	0.50/~~2.05~~ 0.50	0.10 / 0.10	1410037/1410038	
B140445 MS/MSD2	43-09	↓ /0.050	↓ / 10	↓ ✓/1410035 ✓	

IRJ 03-26-14

Reagents Added (ID/Amount Added)
2 MHCl (1409005/10mL)
or 10 MHCl (1409006/10mL)

Target Digestion Temperature = 75-85 °C

Measured Temperature*, Time On / Time Off, Date
82, 82°C 03-26-14, 1600
16 hour timer (03-27-14 @ 0800)

Thermometer ID: BR-02

* Both measured and corrected temperatures must be recorded

Final Volume of Preparation: 10mL
~~Volume of Prep Subsampled:~~
~~Dilution Media:~~ IRJ 03-26-14
Final Dilution Volume:

CRM, Matrix, Certified Values
SRM1 1337024 NIST 1568b
SRM2 ↓ ↓

Comments: Samples washed out 3.20.14 by BJT. Stored in walk in freezer.

Total As / Total Se / As Species Inorg (circle)

Methods BR-0020 Rev _____ (HGAAS) & BR-0021 Rev 004c Mod. of EPA 1632 (HGAAS) - circle

Matrix: Water / Sediment / Biota / Other _____ (circle one)

Batch #(s): B140443 Preparation Start Date/Time*: 03-26-14 / 1535 IRJ 3-28-14 Page 2 of 2

* Time is when the first reagents are added.

Prepared By: IRJ

Balance ID: BL-08

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
(2) 1411038-01 QC1	0.2056	fine brown powder
1411038-02	0.2725	↓
1412014-01 (1)	0.2466	thick red oil 6m
1412026-01	0.4705	viscous red/brown oil
1412026-02	0.3146	↓
1412036-01	0.2570	ground millet
1412042-01	0.2628	orange flakes (carrot)
1412045-01	0.2338	green flakes (spinach)
DUP3	0.2193	
MS3	0.1971	
MSD3	0.2056	
SRM2	0.3450	

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
	IRJ	
	03-26-14	

Batch QC ID	Sample Source	Spike Added (mL)	Spike Concentration (ug/mL)	Spike ID	Spike Witness Initials/Date
B140443-MS3/D3	1411038-01	0.10	10	1410005 ✓	
		IRJ	03-26-14		3/26/14

Reagents Added (ID/Amount Added)

See pg. 1

IRJ 03-26-14

Target Digestion Temperature = 75-85 °C

Measured Temperature*, Time On / Time Off, Date

See pg. 1

Thermometer ID: IR-7

* Both measured and corrected temperatures must be recorded

3-26-14

Final Volume of Preparation: 10mL

Volume of Prep Subsampled:

Dilution Media: IRJ 03-26-14

Final Dilution Volume:

CRM, Matrix, Certified Values

Comments: (1) pipetted, but mass recorded and no volume measured

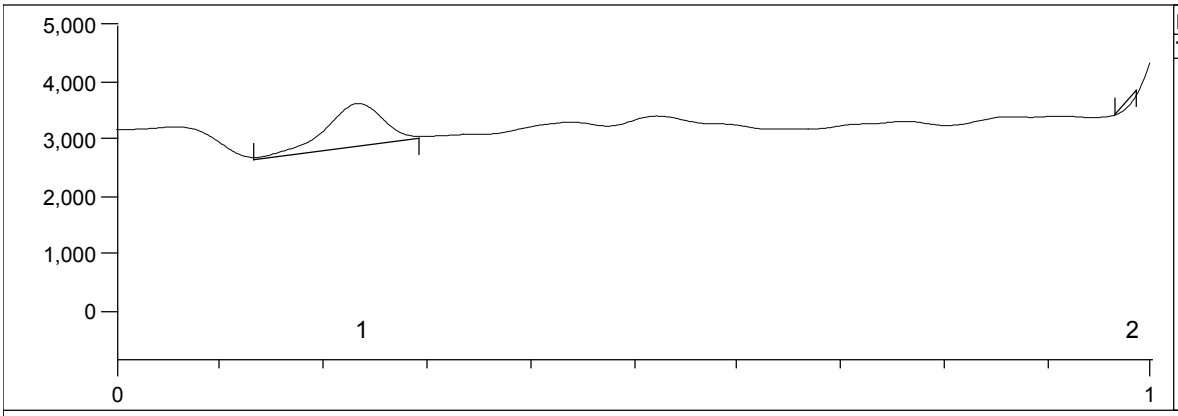
(2) w/s on 3-26-14 by IRJ

Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

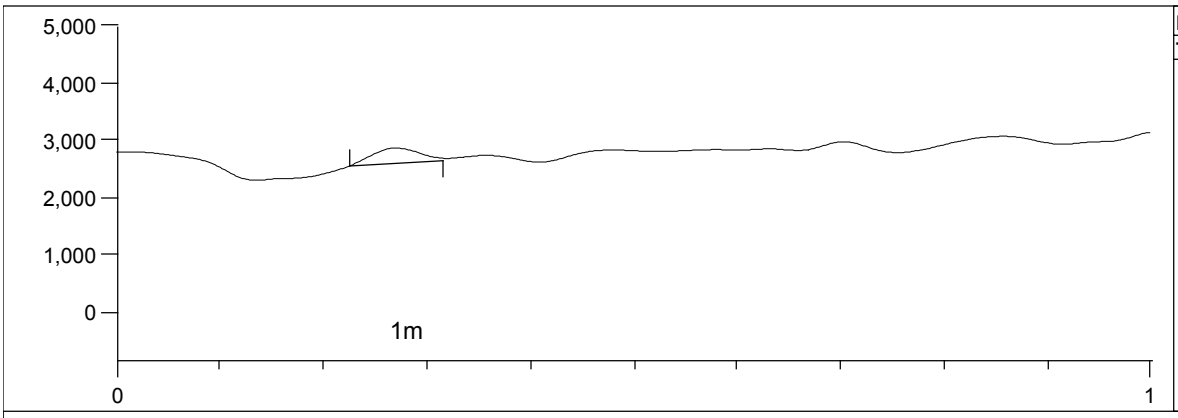
Date Analyzed: 3/28/14
Analyst Name: IRJ



Date: 3/28/14
Time: 9:44 AM

Peak	rt	Area
1	0.23	26,637
2	0.98	-557

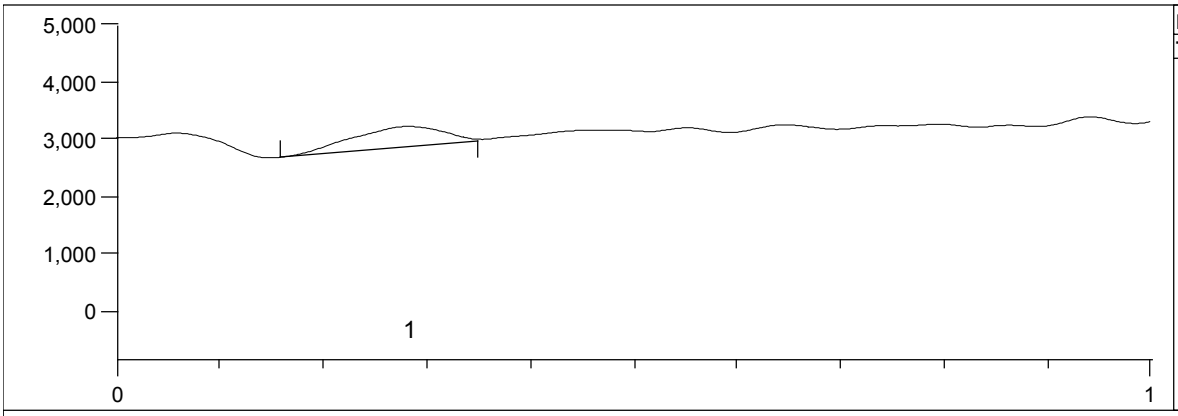
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1		CB	SEQ-IBL1		1	26,637	0.134		0.134	< 0.40	accept
Notes											



Date: 3/28/14
Time: 9:47 AM

Peak	rt	Area
1m	0.26	7,111

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2		CB	SEQ-IBL2		1m	7,111	0.0357		0.0357	< 0.40	accept
Notes											



Date: 3/28/14
Time: 9:51 AM

Peak	rt	Area
1	0.28	21,227

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3		CB	SEQ-IBL3		1	21,227	0.107		0.107	< 0.40	accept
Notes											

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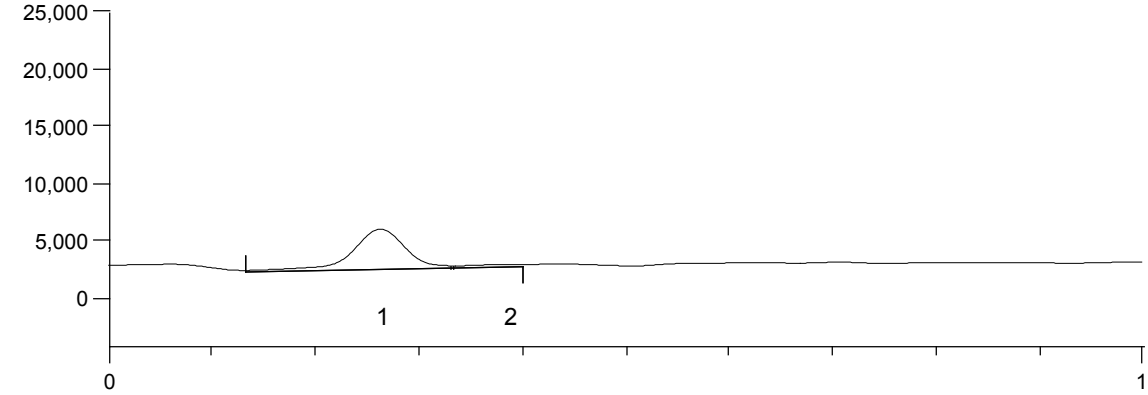
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

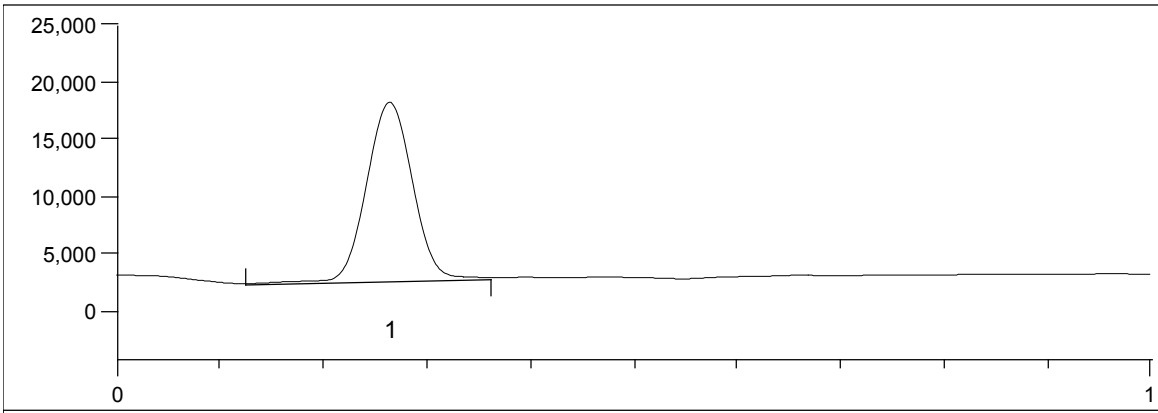
Date Analyzed: 3/28/14
Analyst Name: IRJ



Date: 3/28/14
Time: 9:56 AM

Peak	rt	Area
1	0.26	109,628
2	0.38	1,170

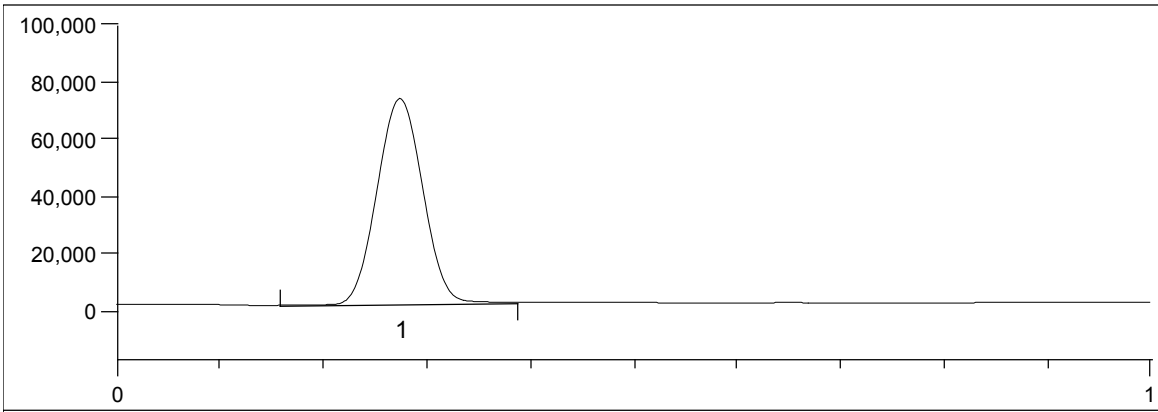
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4		STD	SEQ-CAL1		1	109,628	0.458		91.6	80-120	accept
Notes											



Date: 3/28/14
Time: 10:00 AM

Peak	rt	Area
1	0.26	473,749

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5		STD	SEQ-CAL2		1	473,749	2.29		114	80-120	accept
Notes											



Date: 3/28/14
Time: 10:03 AM

Peak	rt	Area
1	0.27	2,194,440

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6		STD	SEQ-CAL3		1	2,194,440	10.9		109	80-120	accept
Notes											

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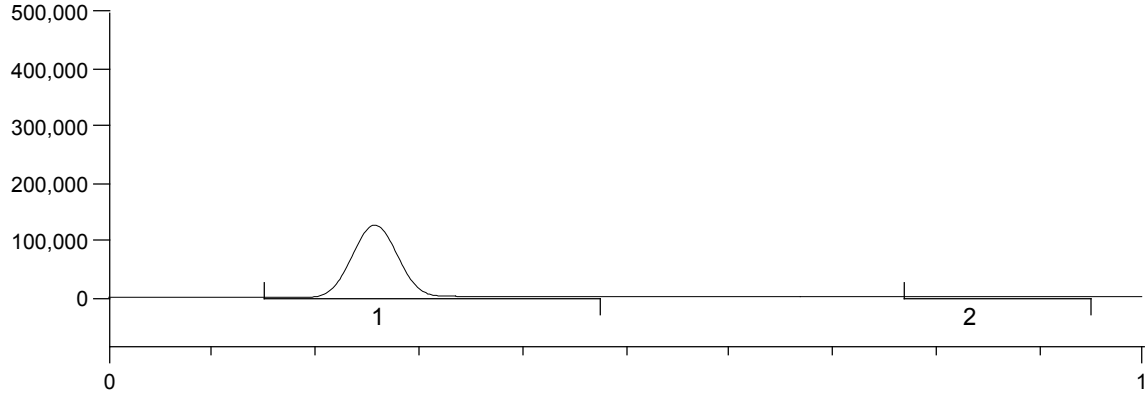
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

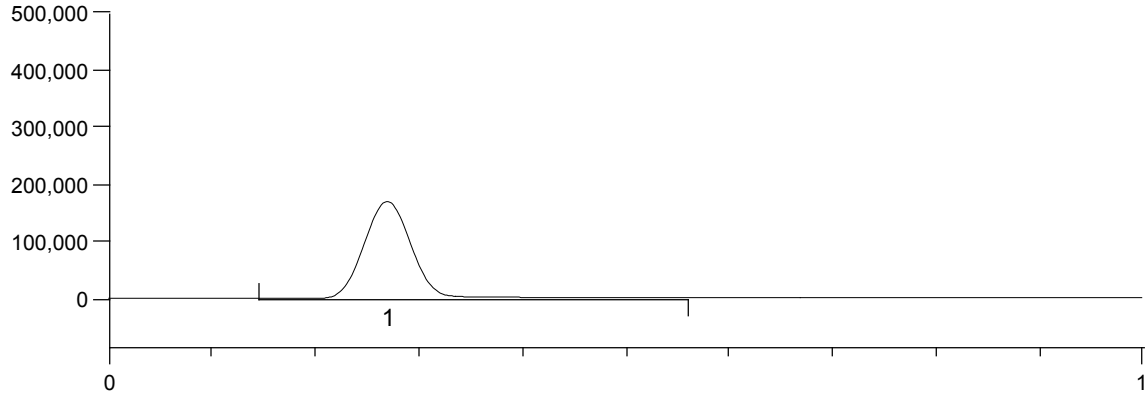
Date Analyzed: 3/28/14
Analyst Name: IRJ



Date: 3/28/14
Time: 10:07 AM

Peak	rt	Area
1	0.25	3,974,410
2	0.83	14,405

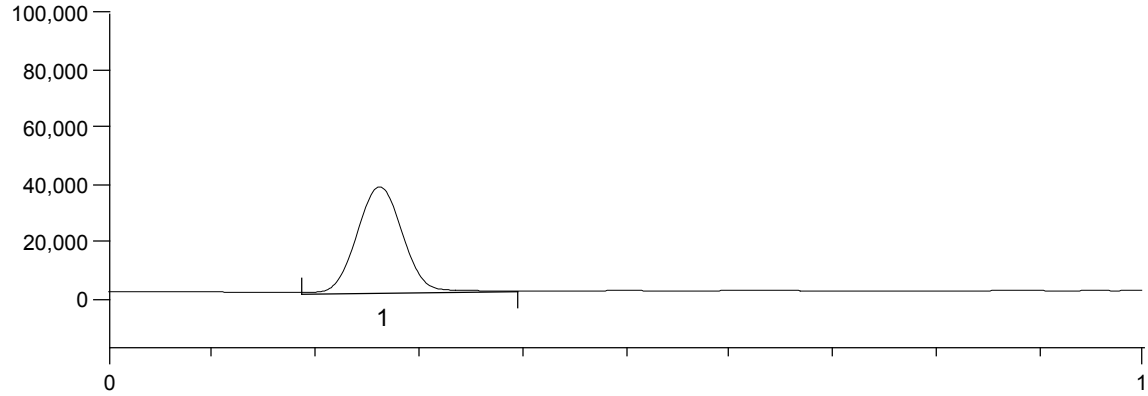
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7		STD	SEQ-CAL4		1	3,974,410	19.9		99.3	80-120	accept
Notes											



Date: 3/28/14
Time: 10:12 AM

Peak	rt	Area
1	0.26	5,398,811

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8		STD	SEQ-CAL5		1	5,398,811	27.0		90.0	80-120	accept
Notes											



Date: 3/28/14
Time: 10:16 AM

Peak	rt	Area
1	0.26	1,114,071

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9		OPR	SEQ-ICV		1	1,114,071	5.50		110.	80-120	accept
Notes											

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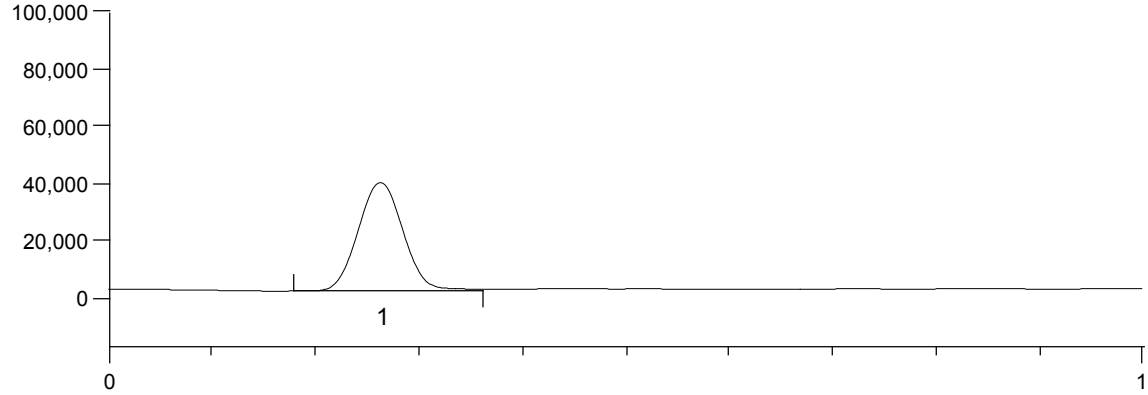
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

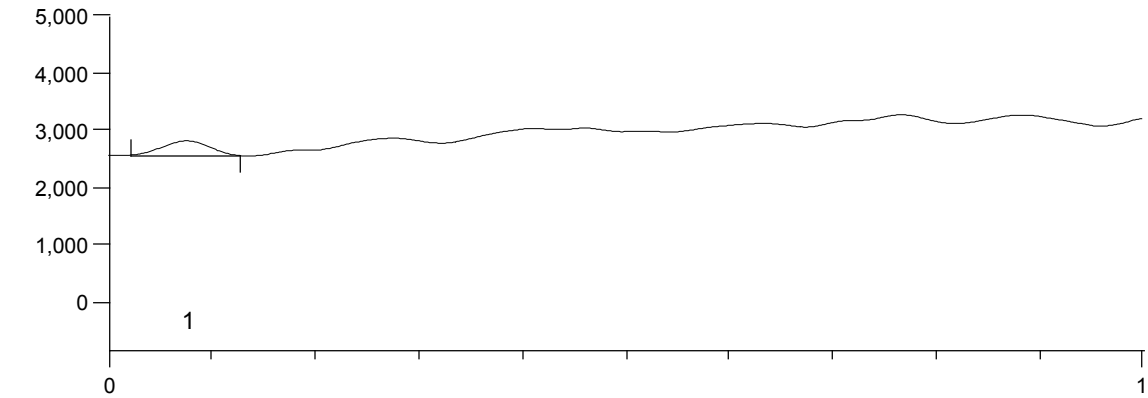
Date Analyzed: 3/28/14
Analyst Name: IRJ



Date: 3/28/14
Time: 10:20 AM

Peak	rt	Area
1	0.26	1,120,700

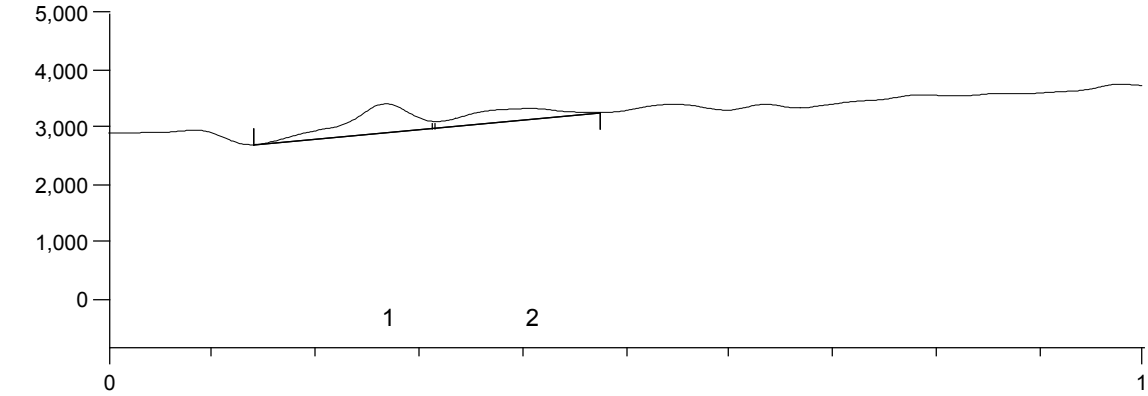
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10		OPR	SEQ-CCV		1	1,120,700	5.53		111	80-120	accept
Notes											



Date: 3/28/14
Time: 10:24 AM

Peak	rt	Area
1	0.07	7,711

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11		CCB	SEQ-CCB			0	0.00		0.00	< 0.40	accept
Notes											



Date: 3/28/14
Time: 10:42 AM

Peak	rt	Area
1	0.26	23,126
2	0.40	13,346

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12		S	B140444-BLK1		1	23,126	0.0241	0.00		< HS	accept
Notes											

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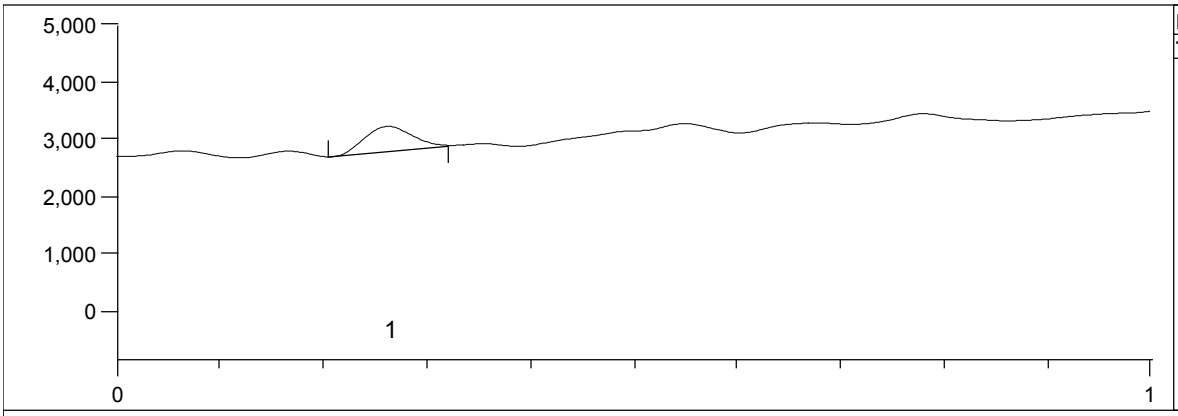
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

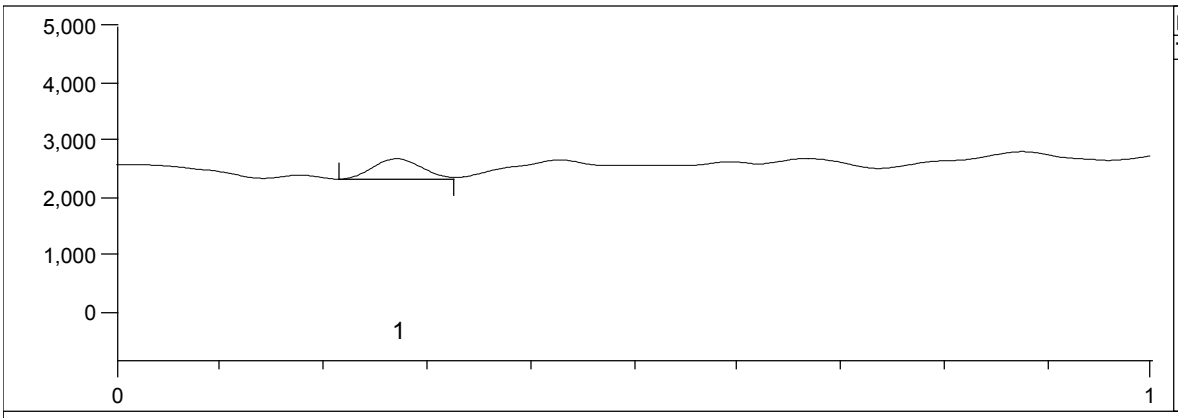
Date Analyzed: 3/28/14
Analyst Name: IRJ



Date: 3/28/14
Time: 10:47 AM

Peak	rt	Area
1	0.26	14,208

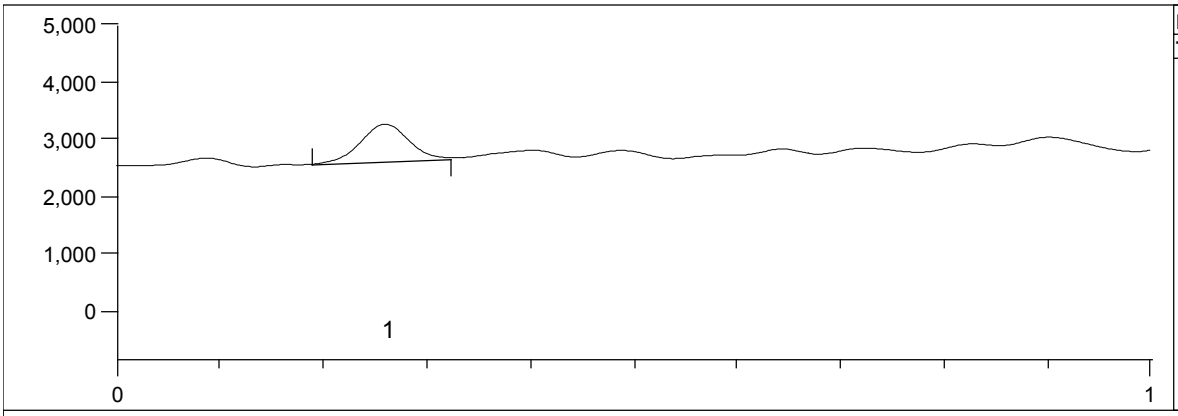
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
13		S	B140444-BLK2		1	14,208	-0.0207	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 10:52 AM

Peak	rt	Area
1	0.27	10,653

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
14		S	B140444-BLK3		1	10,653	-0.0385	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 10:56 AM

Peak	rt	Area
1	0.26	20,299

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
15		S	B140444-BS1		1	20,299	0.00991	0.00		< HS	accept
Notes											

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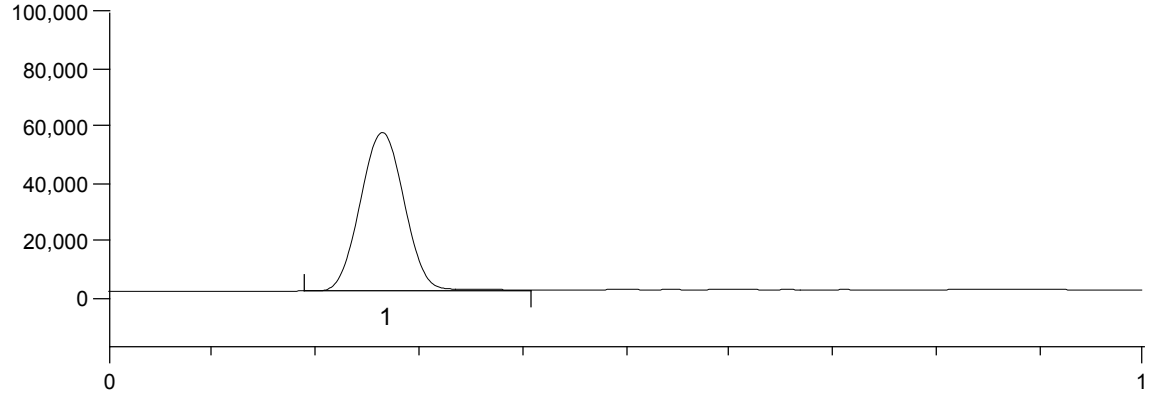
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

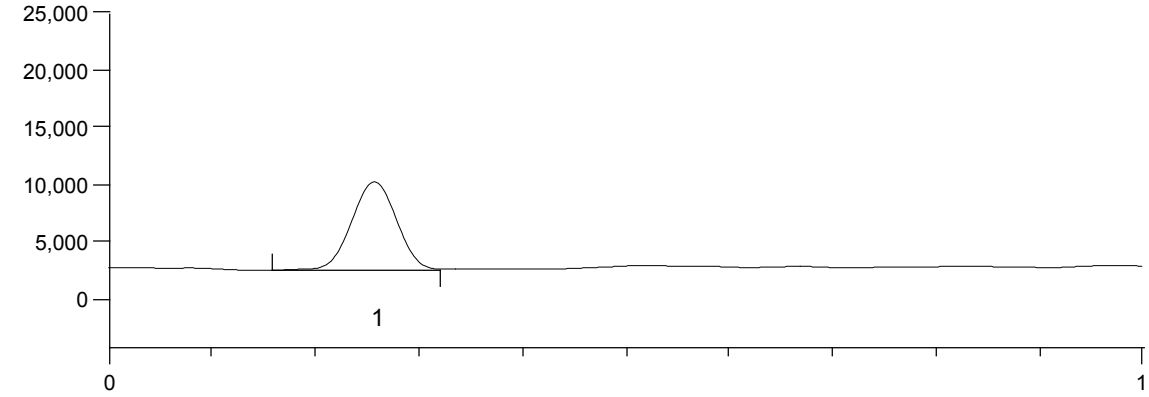
Date Analyzed: 3/28/14
Analyst Name: IRJ



Date: 3/28/14
Time: 11:02 AM

Peak	rt	Area
1	0.26	1,631,730

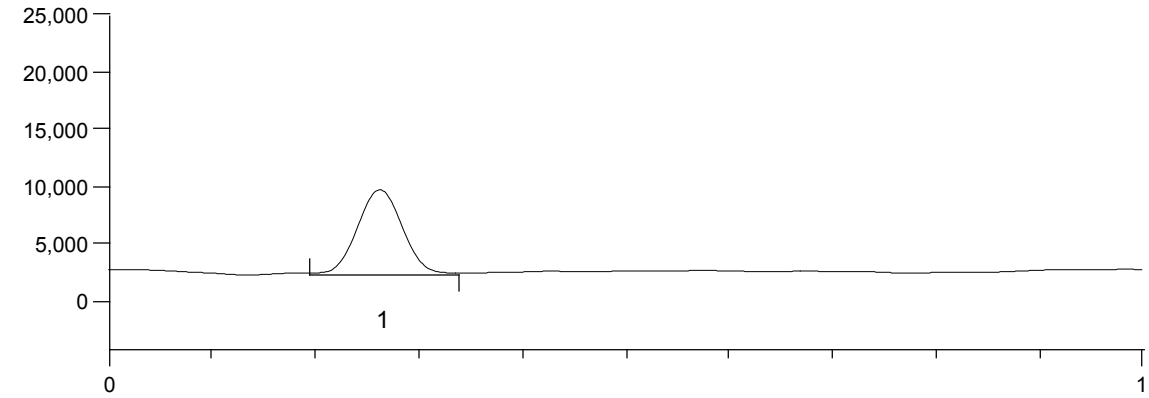
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16		S	B140444-BS2		1	1,631,730	8.10	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 11:07 AM

Peak	rt	Area
1	0.25	229,788

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17		S	1411043-01		1	229,788	1.06	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 11:11 AM

Peak	rt	Area
1	0.26	214,617

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18		S	B140444-DUP1		1	214,617	0.985	0.00		< HS	accept
Notes											

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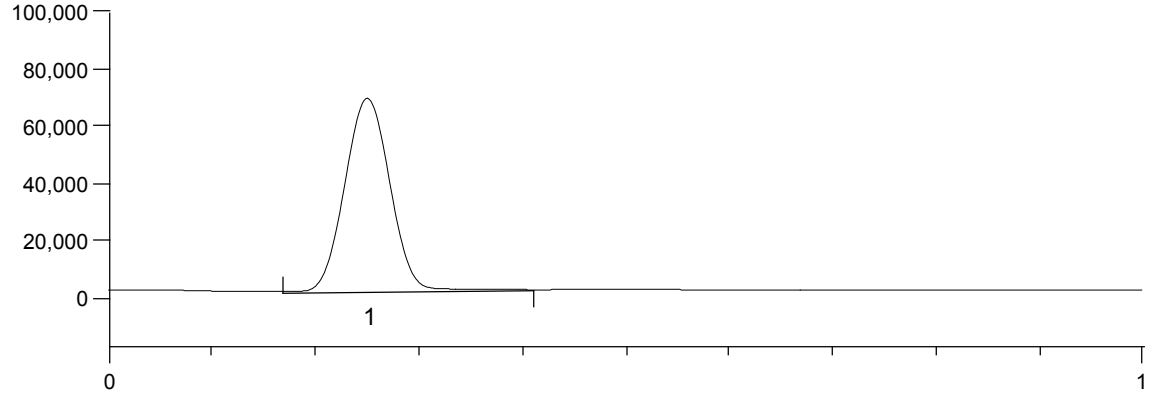
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

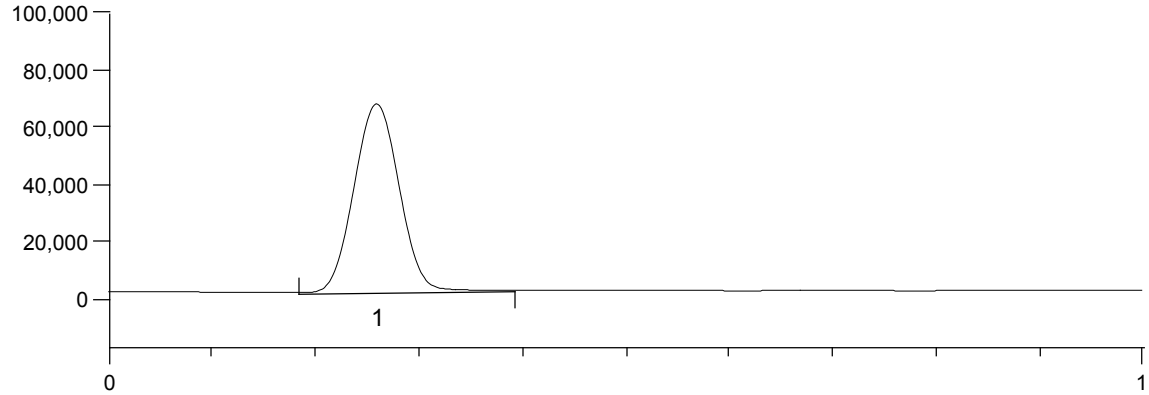
Date Analyzed: 3/28/14
Analyst Name: IRJ



Date: 3/28/14
Time: 11:16 AM

Peak	rt	Area
1	0.25	2,029,161

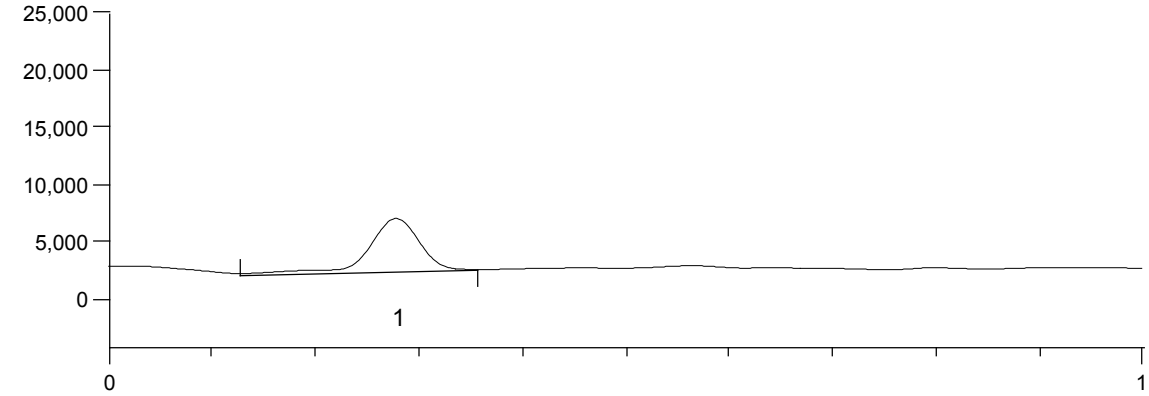
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
19		S	B140444-MS1		1	2,029,161	10.1	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 11:20 AM

Peak	rt	Area
1	0.26	1,991,396

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
20		S	B140444-MSD1		1	1,991,396	9.90	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 11:24 AM

Peak	rt	Area
1	0.28	150,239

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
21		S	1411043-02		1	150,239	0.662	0.00		< HS	accept
Notes											

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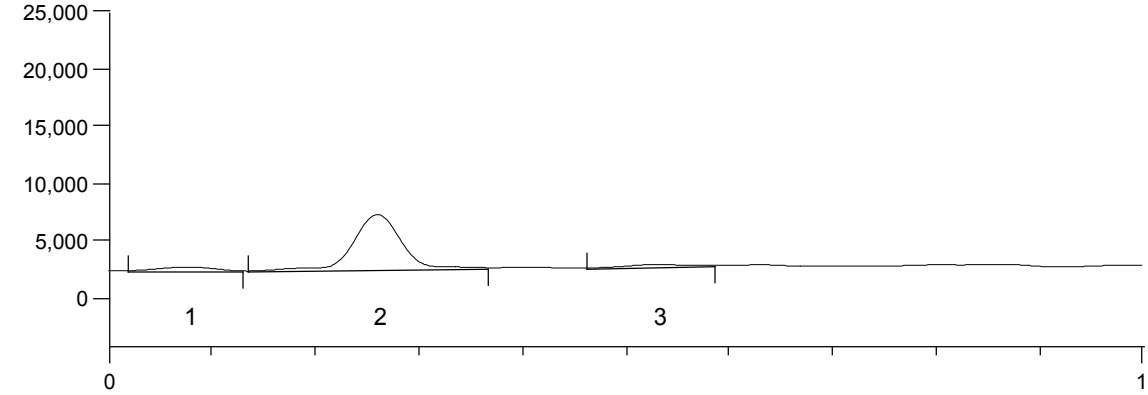
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

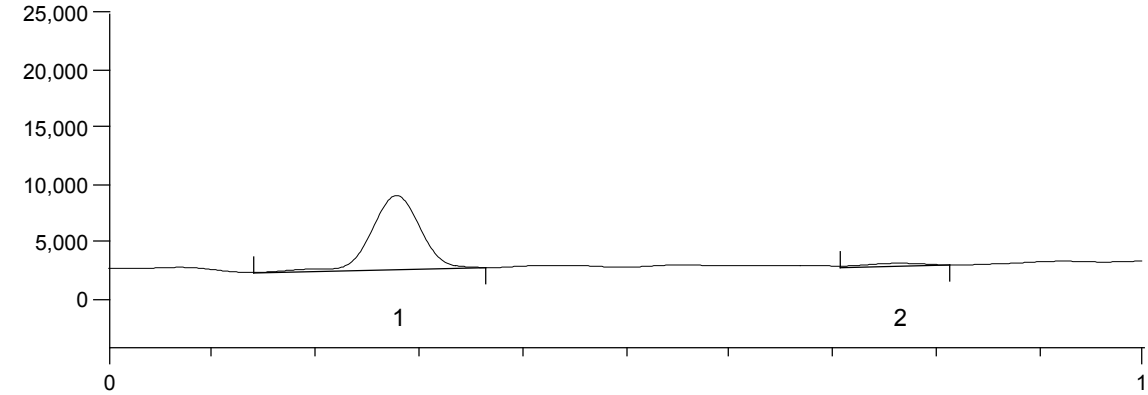
Date Analyzed: 3/28/14
Analyst Name: IRJ



Date: 3/28/14
Time: 11:29 AM

Peak	rt	Area
1	0.07	10,776
2	0.26	150,304
3	0.53	6,539

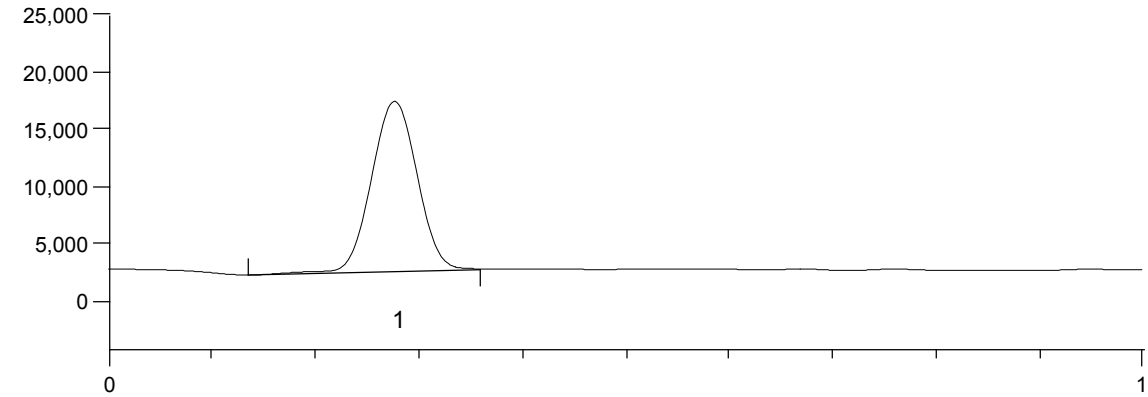
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
22		S	1411043-03		2	150,304	0.662	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 11:33 AM

Peak	rt	Area
1	0.28	212,264
2	0.76	7,238

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
23		S	1411043-04		1	212,264	0.973	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 11:38 AM

Peak	rt	Area
1	0.27	457,144

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24		S	1411043-05		1	457,144	2.20	0.00		< HS	accept
Notes											

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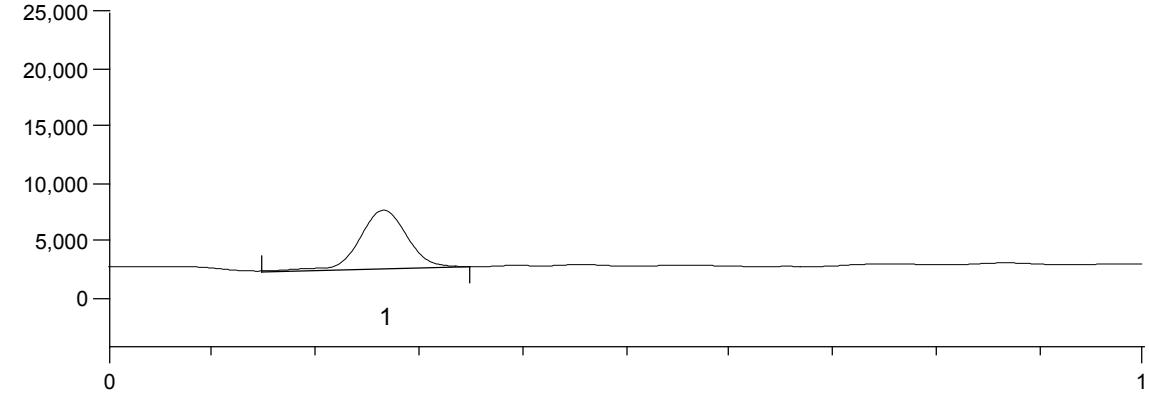
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

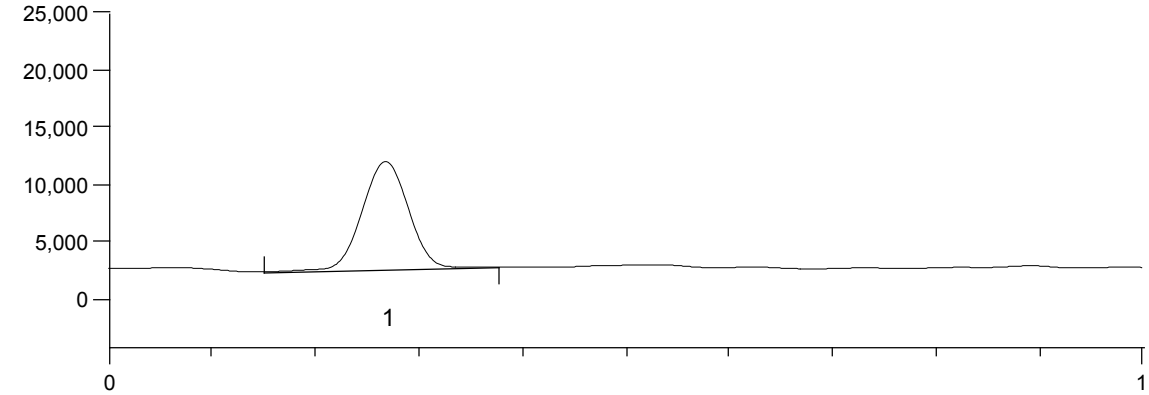
Date Analyzed: 3/28/14
Analyst Name: IRJ



Date: 3/28/14
Time: 11:42 AM

Peak	rt	Area
1	0.26	161,708

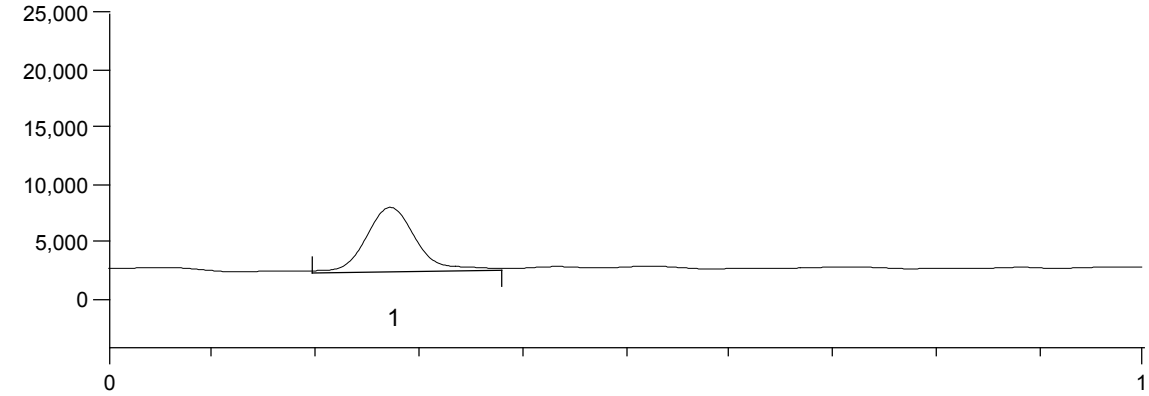
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
25		S	1411043-06		1	161,708	0.720	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 11:48 AM

Peak	rt	Area
1	0.26	293,702

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
26		S	1411043-07		1	293,702	1.38	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 11:52 AM

Peak	rt	Area
1	0.27	173,196

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
27		S	1411043-08		1	173,196	0.777	0.00		< HS	accept
Notes											

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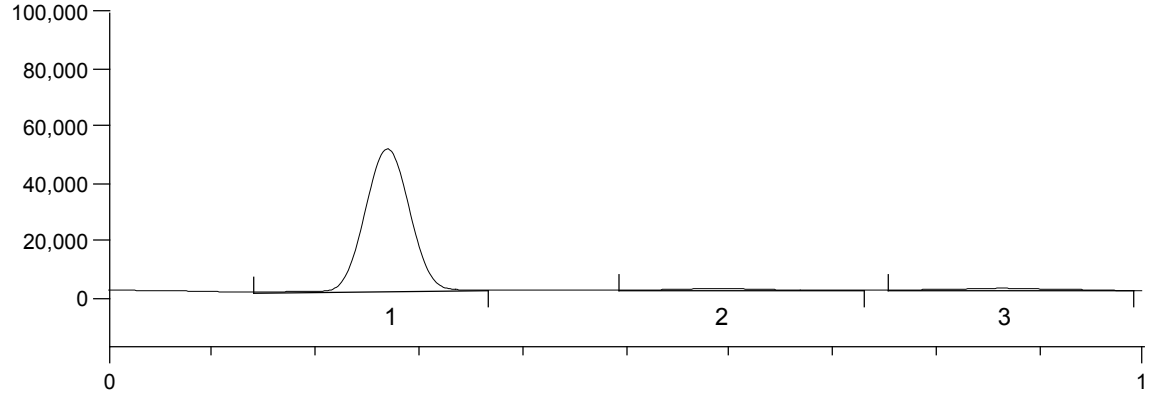
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

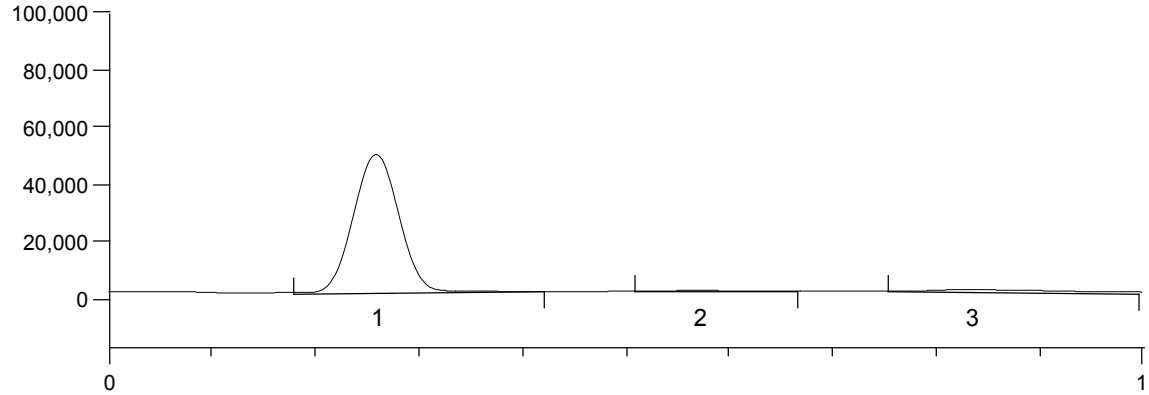
Date Analyzed: 3/28/14
Analyst Name: IRJ



Date: 3/28/14
Time: 11:57 AM

Peak	rt	Area
1	0.27	1,487,476
2	0.59	27,871
3	0.86	42,677

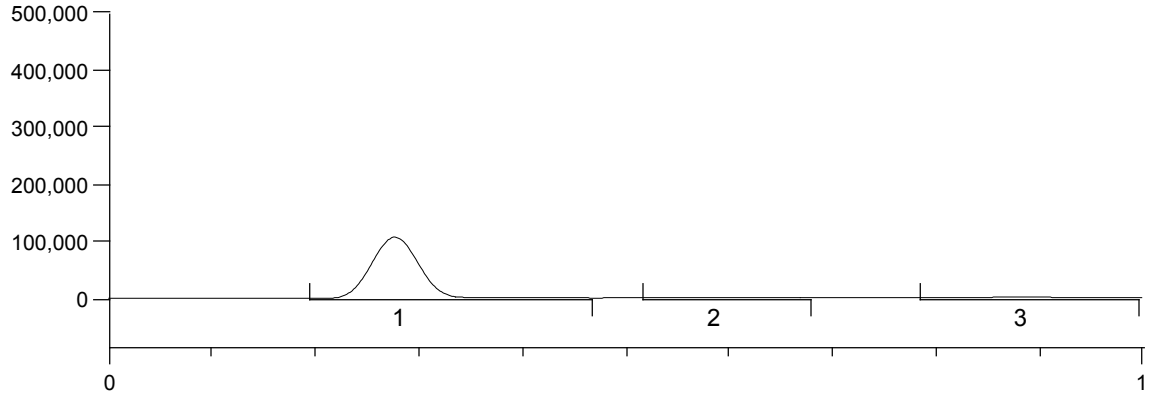
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
28		S	1411043-09		1	1,487,476	7.37	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 12:01 PM

Peak	rt	Area
1	0.26	1,469,577
2	0.56	10,876
3	0.83	43,694

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29		S	B140444-DUP2		1	1,469,577	7.28	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 12:06 PM

Peak	rt	Area
1	0.27	3,415,230
2	0.58	22,124
3	0.88	79,552

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
30		S	B140444-PS1		1	3,415,230	17.0	0.00		< HS	accept
Notes											

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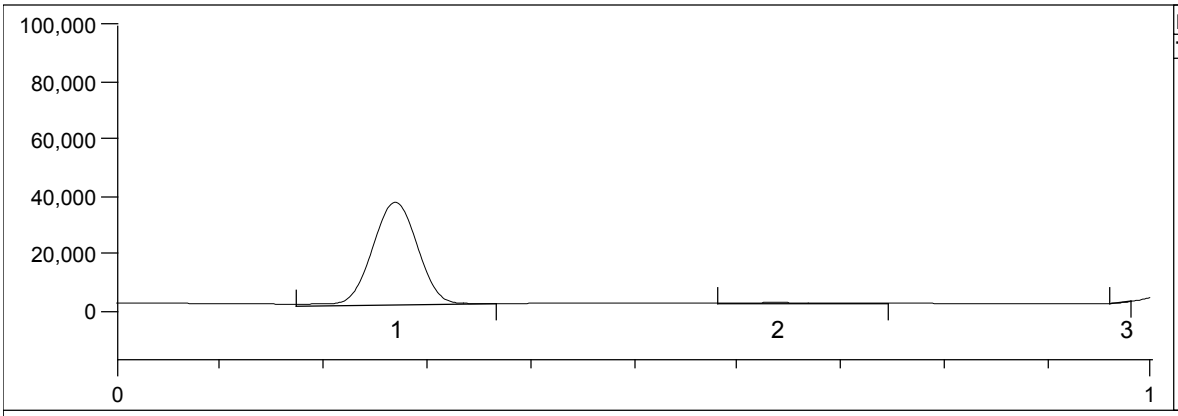
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

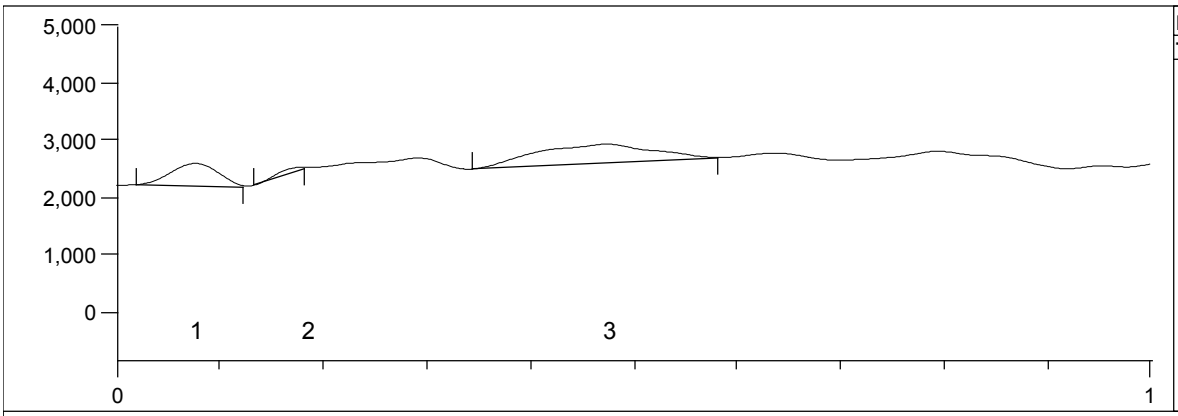
Date Analyzed: 3/28/14
Analyst Name: IRJ



Date: 3/28/14
Time: 12:09 PM

Peak	rt	Area
1	0.26	1,061,251
2	0.63	9,556
3	0.97	-914

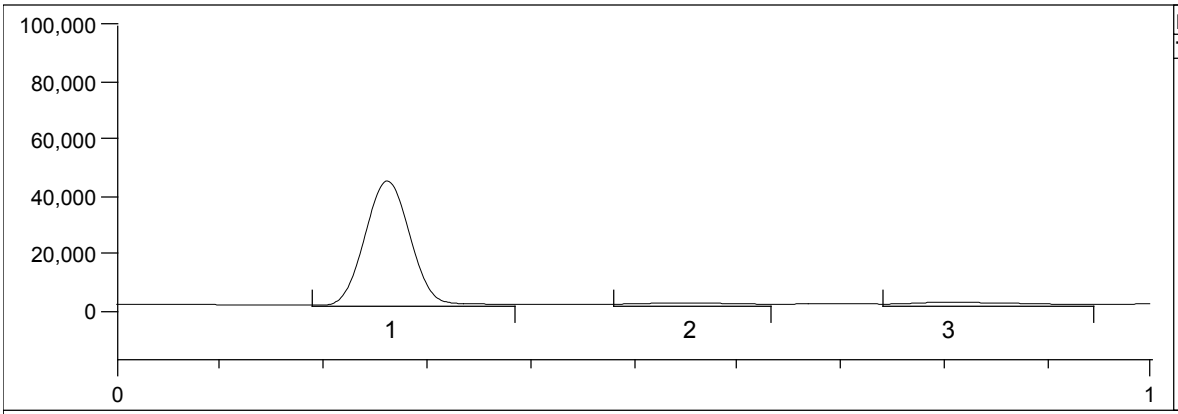
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31		OPR	SEQ-CCV		1	1,061,251	5.23		105	80-120	accept
Notes											



Date: 3/28/14
Time: 12:13 PM

Peak	rt	Area
1	0.07	11,833
2	0.18	1,437
3	0.47	26,040

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
32		CCB	SEQ-CCB		3	26,040	0.131		0.131	< 0.40	accept
Notes											



Date: 3/28/14
Time: 1:00 PM

Peak	rt	Area
1	0.26	1,300,672
2	0.55	21,780
3	0.80	35,186

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
33		S	1411043-10		1	1,300,672	6.44	0.00		< HS	accept
Notes											

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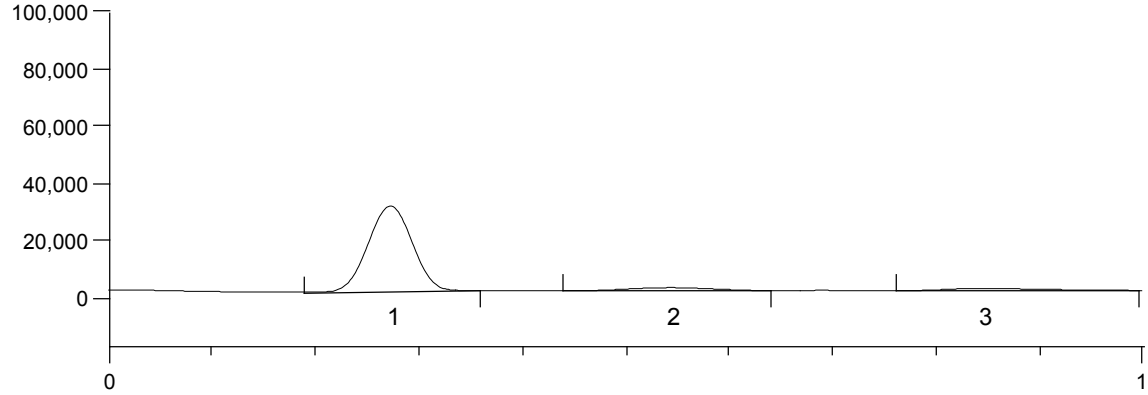
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

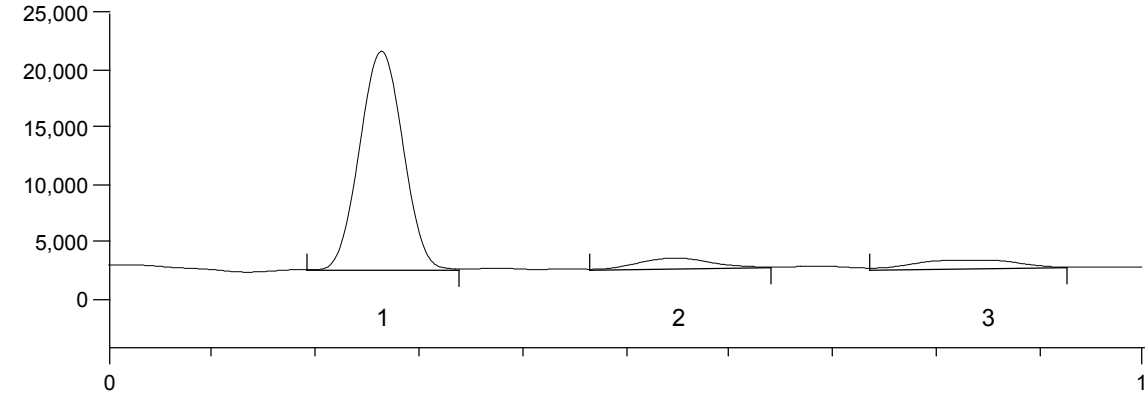
Date Analyzed: 3/28/14
Analyst Name: IRJ



Date: 3/28/14
Time: 1:06 PM

Peak	rt	Area
1	0.27	884,184
2	0.54	61,078
3	0.84	48,179

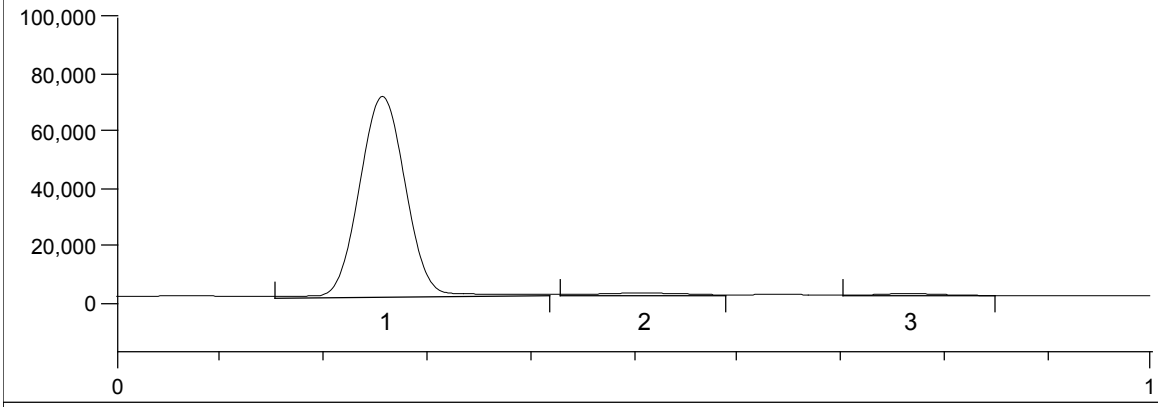
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
34		S	1411043-11		1	884,184	4.35	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 1:10 PM

Peak	rt	Area
1	0.26	555,435
2	0.54	42,554
3	0.84	42,716

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
35		S	1411043-12		1	555,435	2.70	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 1:14 PM

Peak	rt	Area
1	0.25	2,133,226
2	0.50	27,533
3	0.76	23,879

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
36		S	1411043-13		1	2,133,226	10.6	0.00		< HS	accept
Notes											

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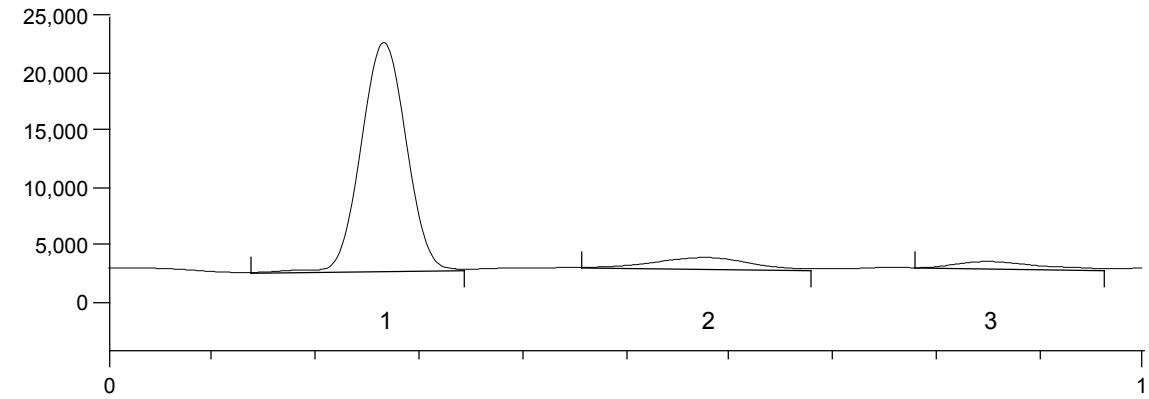
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

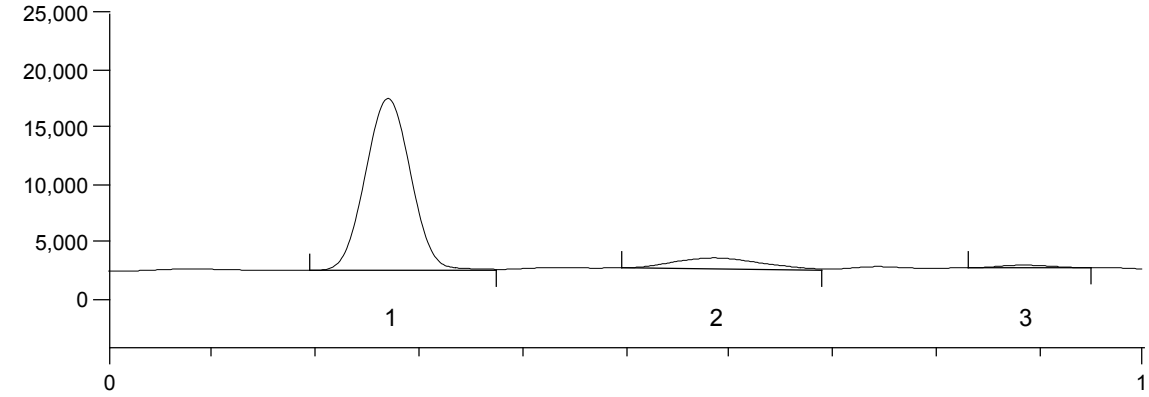
Date Analyzed: 3/28/14
Analyst Name: IRJ



Date: 3/28/14
Time: 1:19 PM

Peak	rt	Area
1	0.26	602,249
2	0.57	54,942
3	0.85	28,319

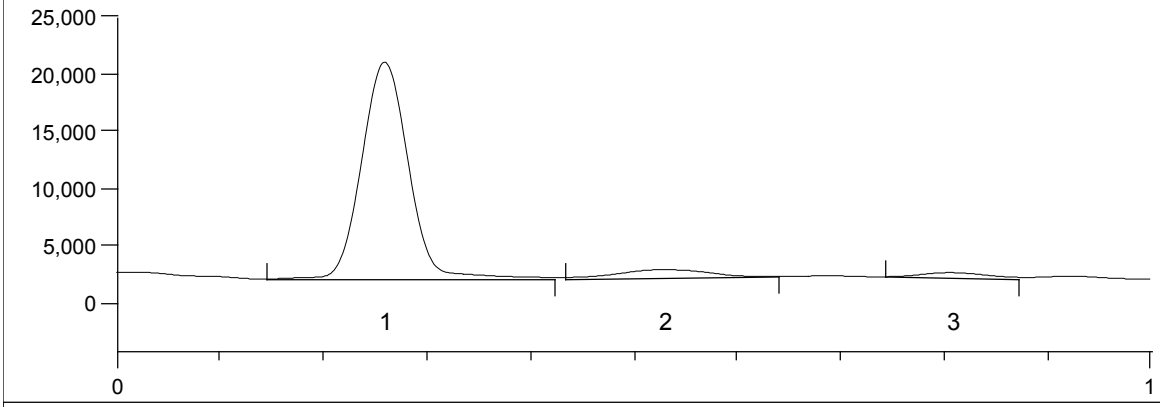
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
37		S	1411043-14		1	602,249	2.93	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 1:23 PM

Peak	rt	Area
1	0.27	455,030
2	0.58	51,290
3	0.88	8,004

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
38		S	1411043-15		1	455,030	2.19	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 1:27 PM

Peak	rt	Area
1	0.26	586,121
2	0.52	35,862
3	0.80	14,686

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
39		S	1411043-16		1	586,121	2.85	0.00		< HS	accept
Notes											

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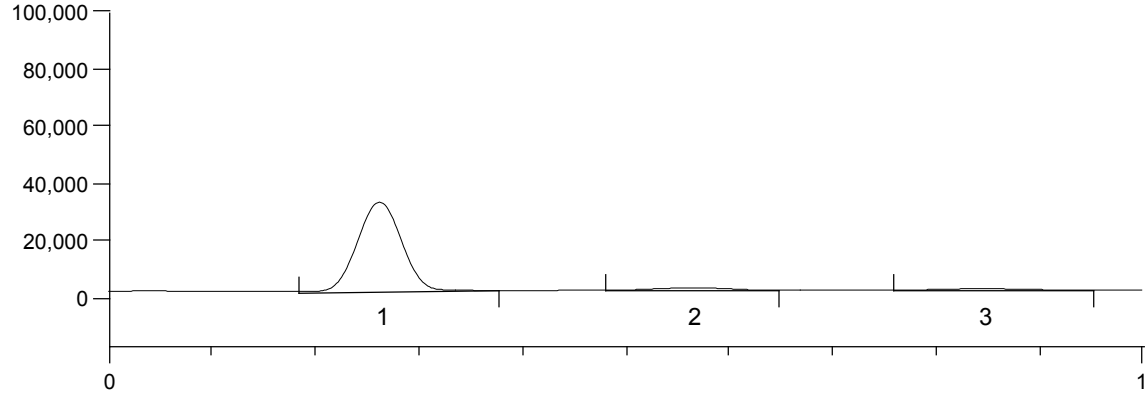
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

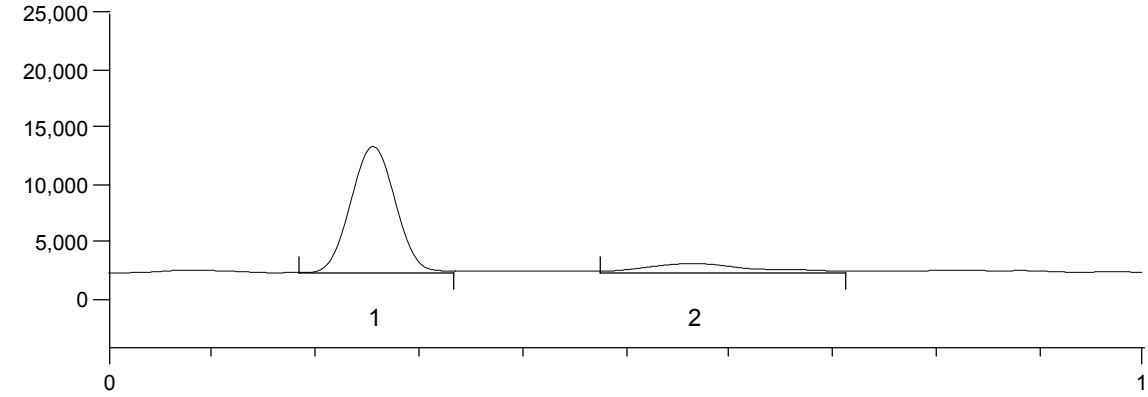
Date Analyzed: 3/28/14
Analyst Name: IRJ



Date: 3/28/14
Time: 1:31 PM

Peak	rt	Area
1	0.26	918,082
2	0.56	40,493
3	0.84	29,142

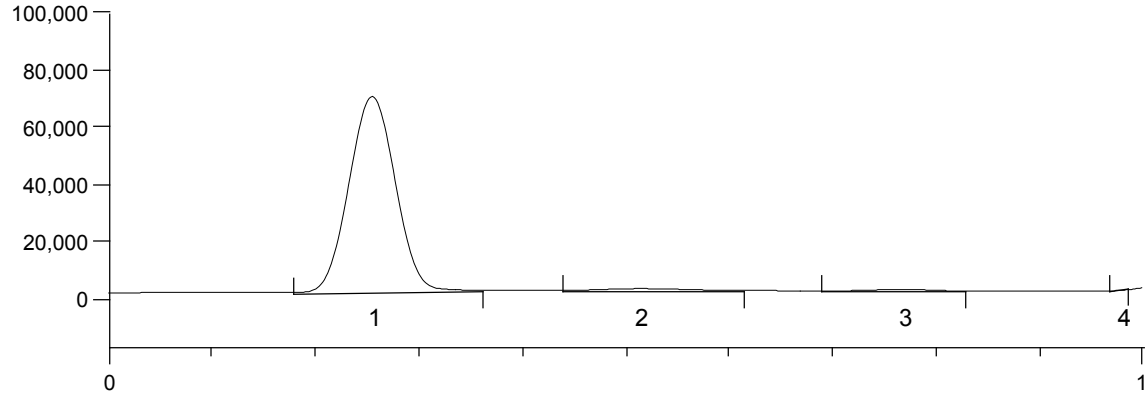
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
40		S	1411043-17		1	918,082	4.52	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 1:36 PM

Peak	rt	Area
1	0.25	324,387
2	0.56	38,434

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
41		S	1411043-18		1	324,387	1.54	0.00		< HS	accept
Notes											



Date: 3/28/14
Time: 1:40 PM

Peak	rt	Area
1	0.25	2,111,900
2	0.51	32,349
3	0.76	19,447
4	0.98	-763

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
42		S	1411043-19		1	2,111,900	10.5	0.00		< HS	accept
Notes											

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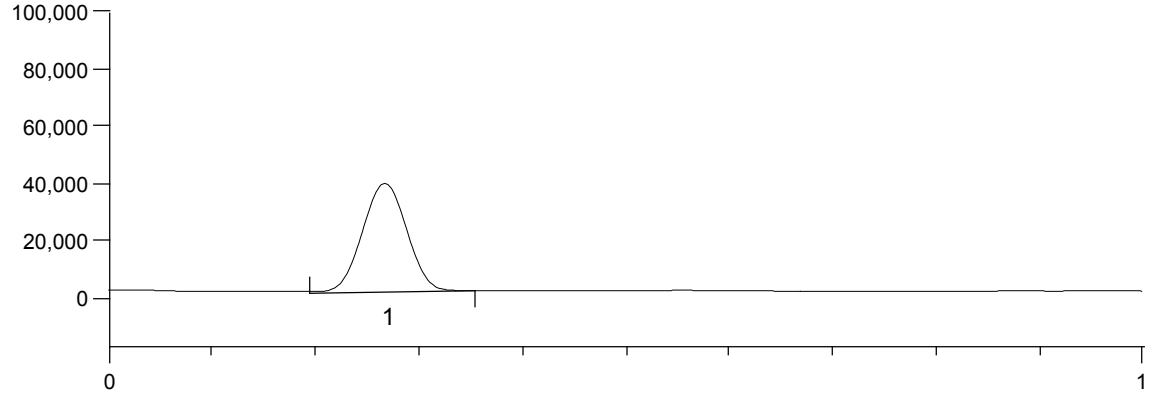
Peak Report

Batch Number: B140444
Method Number: BR-0021

Project Number(s): 1400259
Instrument ID: HGAA2

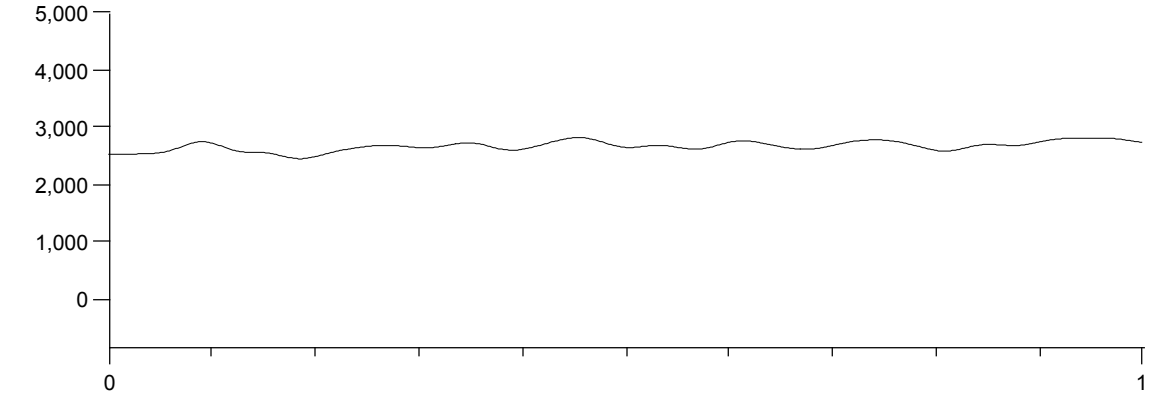
Date Analyzed: 3/28/14
Analyst Name: IRJ



Date: 3/28/14
Time: 1:44 PM

Peak	rt	Area
1	0.26	1,114,747

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
43		OPR	SEQ-CCV		1	1,114,747	5.50		110.	80-120	accept
Notes											



Date: 3/28/14
Time: 1:47 PM

Peak	rt	Area

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
44		CCB	SEQ-CCB			0	0.00		0.00	< 0.40	accept
Notes											

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ANALYSIS SEQUENCE

1400260

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400260-ICB1	1400260	QC	1		-			
1400260-CAL1	1400260	QC	2	1414008	-			
1400260-CAL2	1400260	QC	3	1414009	-			
1400260-CAL3	1400260	QC	4	1414010	-			
1400260-CAL4	1400260	QC	5	1414011	-			
1400260-CAL5	1400260	QC	6	1412039	-			
1400260-CAL6	1400260	QC	7	1412040	-			
1400260-CAL7	1400260	QC	8	1412041	-			
1400260-CAL8	1400260	QC	9	1412042	-			
1400260-CAL9	1400260	QC	10	1412043	-			
1400260-ICB2	1400260	QC	11		-			
1400260-ICV1	1400260	QC	12	1341021	-			
1400260-ICB3	1400260	QC	13		-			
1400260-IBL1	1400260	QC	14		-			
1400260-IBL2	1400260	QC	15		-			
1400260-IBL3	1400260	QC	16		-			
1400260-IBL4	1400260	QC	17		-			
1400260-SCV1	1400260	QC	18	1346032	-			
1400260-SCV2	1400260	QC	19	1352078	-			
1400260-CCV1	1400260	QC	20	1414011	-			
1400260-CCB1	1400260	QC	21		-			
B140482-BLK1	B140482	QC	22		-			
B140482-BLK2	B140482	QC	23		-			
B140482-BLK3	B140482	QC	24		-			
B140482-BLK4	B140482	QC	25		-			
B140482-BS1	B140482	QC	26		-			

ANALYSIS SEQUENCE

1400260

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140482-SRM1	B140482	QC	27		-			
1411012-03RE1	B140482	Ni-FW-Oven-DRC-TR	28			AAL-DB1301	4/2/2014	From B140422 by CCE on 03/21/14
1411028-13RE1	B140482	Ni-FW-Oven-DRC-Diss	29			EPR-PA1401	3/24/2014	From B140422 by CCE on 03/21/14
1411028-28RE1	B140482	Ni-FW-Oven-DRC-TR	30			EPR-PA1401	3/24/2014	From B140422 by CCE on 03/21/14
1400260-CCV2	1400260	QC	31	1414011	-			
1400260-CCB2	1400260	QC	32		-			
1411012-01RE1	B140482	Ni-FW-Oven-DRC-TR	33			AAL-DB1301	4/2/2014	From B140422 by CCE on 03/21/14
1411012-01RE1	B140482	Ni-FW-Oven-DRC-Diss	34			AAL-DB1301	1/1/1980	BatchQC
B140482-DUP1	B140482	QC	35		1411012-01RE1			
B140482-MS1	B140482	QC	36		1411012-01RE1			
B140482-MSD1	B140482	QC	37		1411012-01RE1			
1411012-02RE1	B140482	Ni-FW-Oven-DRC-TR	38			AAL-DB1301	4/2/2014	From B140422 by CCE on 03/21/14
1400260-CCV3	1400260	QC	39	1414011	-			
1400260-CCB3	1400260	QC	40		-			
1411028-03RE1	B140482	Ni-FW-Oven-DRC-TR	41			EPR-PA1401	1/1/1980	BatchQC
1411028-03RE1	B140482	Ni-FW-Oven-DRC-Diss	42			EPR-PA1401	3/24/2014	From B140422 by CCE on 03/21/14
B140482-DUP2	B140482	QC	43		1411028-03RE1			
B140482-MS2	B140482	QC	44		1411028-03RE1			
B140482-MSD2	B140482	QC	45		1411028-03RE1			
1411028-06RE1	B140482	Ni-FW-Oven-DRC-Diss	46			EPR-PA1401	3/24/2014	From B140422 by CCE on 03/21/14
1400260-CCV4	1400260	QC	47	1414011	-			
1400260-CCB4	1400260	QC	48		-			
1411028-07RE1	B140482	Ni-FW-Oven-DRC-TR	49			EPR-PA1401	3/24/2014	From B140422 by CCE on 03/21/14
1411028-12RE1	B140482	Ni-FW-Oven-DRC-Diss	50			EPR-PA1401	3/24/2014	From B140422 by CCE on 03/21/14
1411028-14RE1	B140482	Ni-FW-Oven-DRC-TR	51			EPR-PA1401	3/24/2014	From B140422 by CCE on 03/21/14
1411028-18RE1	B140482	Ni-FW-Oven-DRC-Diss	52			EPR-PA1401	3/24/2014	From B140422 by CCE on 03/21/14

ANALYSIS SEQUENCE

1400260

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411028-19RE1	B140482	Ni-FW-Oven-DRC-TR	53			EPR-PA1401	3/24/2014	From B140422 by CCE on 03/21/14
1411028-23RE1	B140482	Ni-FW-Oven-DRC-Diss	54			EPR-PA1401	3/24/2014	From B140422 by CCE on 03/21/14
1400260-CCV5	1400260	QC	55	1414011	-			
1400260-CCB5	1400260	QC	56		-			
B140475-BLK1	B140475	QC	57		-			
B140475-BLK2	B140475	QC	58		-			
B140475-BLK3	B140475	QC	59		-			
B140475-BLK4	B140475	QC	60		-			
B140475-BS1	B140475	QC	61		-			
B140475-SRM1	B140475	QC	62		-			
B140475-SRM2	B140475	QC	63		-			
1412016-07	B140475	Zn-FW-Oven-DRC-Diss	64			EPR-PA1401	3/31/2014	
1412016-07	B140475	Ni-FW-Oven-DRC-Diss	65			EPR-PA1401	3/31/2014	
1412016-07	B140475	Fe-FW-Oven-DRC-Diss	66			EPR-PA1401	3/31/2014	
1412016-07	B140475	Cu-FW-Oven-DRC-Diss	67			EPR-PA1401	3/31/2014	
1412016-07	B140475	Cr-FW-Oven-DRC-Diss	68			EPR-PA1401	3/31/2014	
1400260-CCV6	1400260	QC	69	1414011	-			
1400260-CCB6	1400260	QC	70		-			
1412016-01	B140475	Zn-FW-Oven-DRC-TR	71			EPR-PA1401	3/31/2014	
1412016-01	B140475	Zn-FW-Oven-DRC-Diss	72			EPR-PA1401	1/1/1980	BatchQC
1412016-01	B140475	Ni-FW-Oven-DRC-TR	73			EPR-PA1401	3/31/2014	
1412016-01	B140475	Ni-FW-Oven-DRC-Diss	74			EPR-PA1401	1/1/1980	BatchQC
1412016-01	B140475	Fe-FW-Oven-DRC-TR	75			EPR-PA1401	3/31/2014	
1412016-01	B140475	Fe-FW-Oven-DRC-Diss	76			EPR-PA1401	1/1/1980	BatchQC
1412016-01	B140475	Cu-FW-Oven-DRC-TR	77			EPR-PA1401	3/31/2014	
1412016-01	B140475	Cu-FW-Oven-DRC-Diss	78			EPR-PA1401	1/1/1980	BatchQC

ANALYSIS SEQUENCE

1400260

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412016-01	B140475	Cr-FW-Oven-DRC-TR	79			EPR-PA1401	3/31/2014	
1412016-01	B140475	Cr-FW-Oven-DRC-Diss	80			EPR-PA1401	1/1/1980	BatchQC
B140475-DUP1	B140475	QC	81		1412016-01			
B140475-MS1	B140475	QC	82		1412016-01			
B140475-MSD1	B140475	QC	83		1412016-01			
1412016-06	B140475	Zn-FW-Oven-DRC-Diss	84			EPR-PA1401	3/31/2014	
1412016-06	B140475	Ni-FW-Oven-DRC-Diss	85			EPR-PA1401	3/31/2014	
1412016-06	B140475	Fe-FW-Oven-DRC-Diss	86			EPR-PA1401	3/31/2014	
1412016-06	B140475	Cu-FW-Oven-DRC-Diss	87			EPR-PA1401	3/31/2014	
1412016-06	B140475	Cr-FW-Oven-DRC-Diss	88			EPR-PA1401	3/31/2014	
1412016-08	B140475	Zn-FW-Oven-DRC-TR	89			EPR-PA1401	3/31/2014	
1412016-08	B140475	Ni-FW-Oven-DRC-TR	90			EPR-PA1401	3/31/2014	
1412016-08	B140475	Fe-FW-Oven-DRC-TR	91			EPR-PA1401	3/31/2014	
1412016-08	B140475	Cu-FW-Oven-DRC-TR	92			EPR-PA1401	3/31/2014	
1412016-08	B140475	Cr-FW-Oven-DRC-TR	93			EPR-PA1401	3/31/2014	
1400260-CCV7	1400260	QC	94	1414011	-			
1400260-CCB7	1400260	QC	95		-			
1412016-12	B140475	Zn-FW-Oven-DRC-Diss	96			EPR-PA1401	3/31/2014	
1412016-12	B140475	Ni-FW-Oven-DRC-Diss	97			EPR-PA1401	3/31/2014	
1412016-12	B140475	Fe-FW-Oven-DRC-Diss	98			EPR-PA1401	3/31/2014	
1412016-12	B140475	Cu-FW-Oven-DRC-Diss	99			EPR-PA1401	3/31/2014	
1412016-12	B140475	Cr-FW-Oven-DRC-Diss	100			EPR-PA1401	3/31/2014	
1412016-13	B140475	Zn-FW-Oven-DRC-TR	101			EPR-PA1401	3/31/2014	
1412016-13	B140475	Ni-FW-Oven-DRC-TR	102			EPR-PA1401	3/31/2014	
1412016-13	B140475	Fe-FW-Oven-DRC-TR	103			EPR-PA1401	3/31/2014	
1412016-13	B140475	Cu-FW-Oven-DRC-TR	104			EPR-PA1401	3/31/2014	

ANALYSIS SEQUENCE

1400260

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412016-13	B140475	Cr-FW-Oven-DRC-TR	105			EPR-PA1401	3/31/2014	
1412016-17	B140475	Zn-FW-Oven-DRC-Diss	106			EPR-PA1401	3/31/2014	
1412016-17	B140475	Ni-FW-Oven-DRC-Diss	107			EPR-PA1401	3/31/2014	
1412016-17	B140475	Fe-FW-Oven-DRC-Diss	108			EPR-PA1401	3/31/2014	
1412016-17	B140475	Cu-FW-Oven-DRC-Diss	109			EPR-PA1401	3/31/2014	
1412016-17	B140475	Cr-FW-Oven-DRC-Diss	110			EPR-PA1401	3/31/2014	
1412016-21	B140475	Zn-FW-Oven-DRC-Diss	111			EPR-PA1401	3/31/2014	
1412016-21	B140475	Ni-FW-Oven-DRC-Diss	112			EPR-PA1401	3/31/2014	
1412016-21	B140475	Fe-FW-Oven-DRC-Diss	113			EPR-PA1401	3/31/2014	
1412016-21	B140475	Cu-FW-Oven-DRC-Diss	114			EPR-PA1401	3/31/2014	
1412016-21	B140475	Cr-FW-Oven-DRC-Diss	115			EPR-PA1401	3/31/2014	
1412016-25	B140475	Zn-FW-Oven-DRC-Diss	116			EPR-PA1401	3/31/2014	
1412016-25	B140475	Ni-FW-Oven-DRC-Diss	117			EPR-PA1401	3/31/2014	
1412016-25	B140475	Fe-FW-Oven-DRC-Diss	118			EPR-PA1401	3/31/2014	
1412016-25	B140475	Cu-FW-Oven-DRC-Diss	119			EPR-PA1401	3/31/2014	
1412016-25	B140475	Cr-FW-Oven-DRC-Diss	120			EPR-PA1401	3/31/2014	
1412016-29	B140475	Zn-FW-Oven-DRC-Diss	121			EPR-PA1401	3/31/2014	
1412016-29	B140475	Ni-FW-Oven-DRC-Diss	122			EPR-PA1401	3/31/2014	
1412016-29	B140475	Fe-FW-Oven-DRC-Diss	123			EPR-PA1401	3/31/2014	
1412016-29	B140475	Cu-FW-Oven-DRC-Diss	124			EPR-PA1401	3/31/2014	
1412016-29	B140475	Cr-FW-Oven-DRC-Diss	125			EPR-PA1401	3/31/2014	
1400260-CCV8	1400260	QC	126	1414011	-			
1400260-CCB8	1400260	QC	127		-			
B140478-BLK1	B140478	QC	128		-			
B140478-BLK2	B140478	QC	129		-			
B140478-BLK3	B140478	QC	130		-			

ANALYSIS SEQUENCE

1400260

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140478-BLK4	B140478	QC	131		-			
B140478-BS1	B140478	QC	132		-			
B140478-SRM1	B140478	QC	133		-			
B140478-SRM2	B140478	QC	134		-			
1400260-CCV9	1400260	QC	135	1412039	-			
1400260-CCB9	1400260	QC	136		-			
1411043-01	B140478	200.8-V-B-HNO3-DRC	137			ARD-MV1302	4/7/2014	
1411043-01	B140478	200.8-Fe-B-HNO3-DRC	138			ARD-MV1302	4/7/2014	
1411043-01	B140478	200.8-Cr-B-HNO3-DRC	139			ARD-MV1302	4/7/2014	
B140478-DUP1	B140478	QC	140		1411043-01			
B140478-MS1	B140478	QC	141		1411043-01			
B140478-MSD1	B140478	QC	142		1411043-01			
1411043-02	B140478	200.8-V-B-HNO3-DRC	143			ARD-MV1302	4/7/2014	
1411043-02	B140478	200.8-Fe-B-HNO3-DRC	144			ARD-MV1302	4/7/2014	
1411043-02	B140478	200.8-Cr-B-HNO3-DRC	145			ARD-MV1302	4/7/2014	
1411043-03	B140478	200.8-V-B-HNO3-DRC	146			ARD-MV1302	4/7/2014	
1411043-03	B140478	200.8-Fe-B-HNO3-DRC	147			ARD-MV1302	4/7/2014	
1411043-03	B140478	200.8-Cr-B-HNO3-DRC	148			ARD-MV1302	4/7/2014	
1411043-04	B140478	200.8-V-B-HNO3-DRC	149			ARD-MV1302	4/7/2014	
1411043-04	B140478	200.8-Fe-B-HNO3-DRC	150			ARD-MV1302	4/7/2014	
1411043-04	B140478	200.8-Cr-B-HNO3-DRC	151			ARD-MV1302	4/7/2014	
1411043-05	B140478	200.8-V-B-HNO3-DRC	152			ARD-MV1302	4/7/2014	
1411043-05	B140478	200.8-Fe-B-HNO3-DRC	153			ARD-MV1302	4/7/2014	
1411043-05	B140478	200.8-Cr-B-HNO3-DRC	154			ARD-MV1302	4/7/2014	
1411043-06	B140478	200.8-V-B-HNO3-DRC	155			ARD-MV1302	4/7/2014	
1411043-06	B140478	200.8-Fe-B-HNO3-DRC	156			ARD-MV1302	4/7/2014	

ANALYSIS SEQUENCE

1400260

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-06	B140478	200.8-Cr-B-HNO3-DRC	157			ARD-MV1302	4/7/2014	
1400260-CCVA	1400260	QC	158	1412039	-			
1400260-CCBA	1400260	QC	159		-			
1411043-07	B140478	200.8-V-B-HNO3-DRC	160			ARD-MV1302	4/7/2014	
1411043-07	B140478	200.8-Fe-B-HNO3-DRC	161			ARD-MV1302	4/7/2014	
1411043-07	B140478	200.8-Cr-B-HNO3-DRC	162			ARD-MV1302	4/7/2014	
1411043-08	B140478	200.8-V-B-HNO3-DRC	163			ARD-MV1302	4/7/2014	
1411043-08	B140478	200.8-Fe-B-HNO3-DRC	164			ARD-MV1302	4/7/2014	
1411043-08	B140478	200.8-Cr-B-HNO3-DRC	165			ARD-MV1302	4/7/2014	
1411043-09	B140478	200.8-V-B-HNO3-DRC	166			ARD-MV1302	4/7/2014	
1411043-09	B140478	200.8-Fe-B-HNO3-DRC	167			ARD-MV1302	4/7/2014	
1411043-09	B140478	200.8-Cr-B-HNO3-DRC	168			ARD-MV1302	4/7/2014	
1411043-10	B140478	200.8-V-B-HNO3-DRC	169			ARD-MV1302	4/7/2014	
1411043-10	B140478	200.8-Fe-B-HNO3-DRC	170			ARD-MV1302	4/7/2014	
1411043-10	B140478	200.8-Cr-B-HNO3-DRC	171			ARD-MV1302	4/7/2014	
1411043-11	B140478	200.8-V-B-HNO3-DRC	172			ARD-MV1302	4/7/2014	
1411043-11	B140478	200.8-Fe-B-HNO3-DRC	173			ARD-MV1302	4/7/2014	
1411043-11	B140478	200.8-Cr-B-HNO3-DRC	174			ARD-MV1302	4/7/2014	
B140478-DUP2	B140478	QC	175		1411043-11			
B140478-MS2	B140478	QC	176		1411043-11			
B140478-MSD2	B140478	QC	177		1411043-11			
1400260-CCVB	1400260	QC	178	1412039	-			
1400260-CCBB	1400260	QC	179		-			
1411043-12	B140478	200.8-V-B-HNO3-DRC	180			ARD-MV1302	4/7/2014	
1411043-12	B140478	200.8-Fe-B-HNO3-DRC	181			ARD-MV1302	4/7/2014	
1411043-12	B140478	200.8-Cr-B-HNO3-DRC	182			ARD-MV1302	4/7/2014	

ANALYSIS SEQUENCE

1400260

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-13	B140478	200.8-V-B-HNO3-DRC	183			ARD-MV1302	4/7/2014	
1411043-13	B140478	200.8-Fe-B-HNO3-DRC	184			ARD-MV1302	4/7/2014	
1411043-13	B140478	200.8-Cr-B-HNO3-DRC	185			ARD-MV1302	4/7/2014	
1411043-14	B140478	200.8-V-B-HNO3-DRC	186			ARD-MV1302	4/7/2014	
1411043-14	B140478	200.8-Fe-B-HNO3-DRC	187			ARD-MV1302	4/7/2014	
1411043-14	B140478	200.8-Cr-B-HNO3-DRC	188			ARD-MV1302	4/7/2014	
1411043-15	B140478	200.8-V-B-HNO3-DRC	189			ARD-MV1302	4/7/2014	
1411043-15	B140478	200.8-Fe-B-HNO3-DRC	190			ARD-MV1302	4/7/2014	
1411043-15	B140478	200.8-Cr-B-HNO3-DRC	191			ARD-MV1302	4/7/2014	
1411043-16	B140478	200.8-V-B-HNO3-DRC	192			ARD-MV1302	4/7/2014	
1411043-16	B140478	200.8-Fe-B-HNO3-DRC	193			ARD-MV1302	4/7/2014	
1411043-16	B140478	200.8-Cr-B-HNO3-DRC	194			ARD-MV1302	4/7/2014	
1411043-17	B140478	200.8-V-B-HNO3-DRC	195			ARD-MV1302	4/7/2014	
1411043-17	B140478	200.8-Fe-B-HNO3-DRC	196			ARD-MV1302	4/7/2014	
1411043-17	B140478	200.8-Cr-B-HNO3-DRC	197			ARD-MV1302	4/7/2014	
1411043-18	B140478	200.8-V-B-HNO3-DRC	198			ARD-MV1302	4/7/2014	
1411043-18	B140478	200.8-Fe-B-HNO3-DRC	199			ARD-MV1302	4/7/2014	
1411043-18	B140478	200.8-Cr-B-HNO3-DRC	200			ARD-MV1302	4/7/2014	
1411043-19	B140478	200.8-V-B-HNO3-DRC	201			ARD-MV1302	4/7/2014	
1411043-19	B140478	200.8-Fe-B-HNO3-DRC	202			ARD-MV1302	4/7/2014	
1411043-19	B140478	200.8-Cr-B-HNO3-DRC	203			ARD-MV1302	4/7/2014	
1400260-CCVC	1400260	QC	204	1412039	-			
1400260-CCBC	1400260	QC	205		-			
1400260-CCVD	1400260	QC	206	1412039	-			
1400260-CCBD	1400260	QC	207		-			
1400260-CCVE	1400260	QC	208	1412039	-			

ANALYSIS SEQUENCE

1400260

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400260-CCBE	1400260	QC	209		-			
1400260-CCVF	1400260	QC	210	1412039	-			
1400260-CCBF	1400260	QC	211		-			

ICP-MS Analysis Benchsheet Batch No: B140482, 0475, 0478, 0510

BR-0060 NH3 DRC mode

(BRL procedure for the analysis of samples by EPA Methods 1638, 200.8, 6020A, and 1640)

Analyst: AR Date: 3/28/2014

Instrument ID: ICP-MS-2 cHNO3 ID: 1410081 cHCl ID: NA

Calibration recorded in LIMS Int Std: 1410035 SEQ: 1400260

A/S #	Batch	Sample ID	Dilution	Comments
1		warm up		
1		warm up		
1		warm up		
1		SEQ-ICB1		
2		SEQ-CAL1		1414008
3		SEQ-CAL2		1414009
4		SEQ-CAL3		1414010
5		SEQ-CAL4		1414011
6		SEQ-CAL5		1412039
7		SEQ-CAL6		1412040
8		SEQ-CAL7		1412041
9		SEQ-CAL8		1412042
10		SEQ-CAL9		1412043 (V removed)
1		SEQ-ICB2		
101		SEQ-ICV1		1341021
1		SEQ-ICB3		
102		SEQ-IBL1		
103		SEQ-IBL2		
104		SEQ-IBL3		
105		SEQ-IBL4		
106		SEQ-SCV1	5x	NIST 1643e 1346032; 1323040
107		SEQ-SCV2		Fe-Ca check 1352078; 1352079
5		SEQ-CCV1		1412035
1		SEQ-CCB1		
108	B140482	B140482-BLK1		
109	B140482	B140482-BLK2		
110	B140482	B140482-BLK3		
111	B140482	B140482-BLK4		
112	B140482	B140482-BS1		
113	B140482	1411012-03RE1		Field Blank
114	B140482	1411028-13RE1		Field Blank
115	B140482	1411028-28RE1		FLPE Blank
5		SEQ-CCV2		1412035
1		SEQ-CCB2		
116	B140482	1411012-01RE1		
117	B140482	B140482-DUP1		1411012-01RE1
118	B140482	B140482-MS1		25µL 1411089 to 5mL
119	B140482	B140482-MSD1		25µL 1411089 to 5mL
120	B140482	1411012-02RE1		

5		SEQ-CCV3		1412035
1		SEQ-CCB3		
121	B140482	1411028-03RE1	10x	
122	B140482	B140482-DUP2	10x	1411028-03RE1
123	B140482	B140482-MS2	10x	50µL 1411090 to 5mL
124	B140482	B140482-MSD2	10x	50µL 1411090 to 5mL
125	B140482	1411028-06RE1	10x	
5		SEQ-CCV4		1412035
1		SEQ-CCB4		
126	B140482	1411028-07RE1	10x	
127	B140482	1411028-12RE1	10x	
128	B140482	1411028-14RE1	10x	
129	B140482	1411028-18RE1	10x	
130	B140482	1411028-19RE1	10x	
131	B140482	1411028-23RE1	10x	
5		SEQ-CCV5		1412035
1		SEQ-CCB5		
132	B140475	B140475-BLK1		
133	B140475	B140475-BLK2		
134	B140475	B140475-BLK3		
135	B140475	B140475-BLK4		
136	B140475	B140475-BS1		
137	B140475	1412016-07		Field Blank
5		SEQ-CCV6		1412035
1		SEQ-CCB6		
138	B140475	1412016-01	10x	
139	B140475	B140475-DUP1	10x	
140	B140475	B140475-MS1	10x	100µL 1414012 to 5mL
141	B140475	B140475-MSD1	10x	100µL 1414012 to 5mL
142	B140475	1412016-06	10x	
143	B140475	1412016-08	10x	
5		SEQ-CCV7		1412035
1		SEQ-CCB7		
144	B140475	1412016-12	10x	
145	B140475	1412016-13	10x	
146	B140475	1412016-17	10x	
147	B140475	1412016-21	10x	
148	B140475	1412016-25	10x	
149	B140475	1412016-29	10x	
5		SEQ-CCV8		1412035
1		SEQ-CCB8		
150	B140478	B140478-BLK1	10x	
151	B140478	B140478-BLK2	10x	
152	B140478	B140478-BLK3	10x	
153	B140478	B140478-BLK4	10x	
154	B140478	B140478-BS1	10x	
155	B140478	B140478-SRM1	10x	
156	B140478	B140478-SRM2	10x	
6		SEQ-CCV9		1412039
10		SEQ-CCB9		
157	B140478	1411043-01	10x	
158	B140478	B140478-DUP1	10x	

159	B140478	B140478-MS1	10x	
160	B140478	B140478-MSD1	10x	
201	B140478	1411043-02	10x	
202	B140478	1411043-03	10x	
203	B140478	1411043-04	10x	
204	B140478	1411043-05	10x	
205	B140478	1411043-06	10x	
6		SEQ-CCVA		1412039
10		SEQ-CCBA		
206	B140478	1411043-07	10x	
207	B140478	1411043-08	10x	
208	B140478	1411043-09	10x	
209	B140478	1411043-10	10x	
210	B140478	1411043-11	10x	
211	B140478	B140478-DUP2	10x	
212	B140478	B140478-MS2	10x	
213	B140478	B140478-MSD2	10x	
6		SEQ-CCVB		1412039
10		SEQ-CCBB		
214	B140478	1411043-12	10x	
215	B140478	1411043-13	10x	
216	B140478	1411043-14	10x	
217	B140478	1411043-15	10x	
218	B140478	1411043-16	10x	
219	B140478	1411043-17	10x	
220	B140478	1411043-18	10x	
221	B140478	1411043-19	10x	
6		SEQ-CCVC		1412039
10		SEQ-CCBC		
222	B140510	B140510-BLK1	50x	
223	B140510	B140510-BLK2	50x	
224	B140510	B140510-BLK3	50x	
225	B140510	B140510-BLK4	50x	
226	B140510	B140510-SRM1	50x	
227	B140510	B140510-SRM2	50x	
6		SEQ-CCVD		1412039
10		SEQ-CCBD		
228	B140510	B140510-BS1	50x	MDL
229	B140510	B140510-BS2	50x	MDL
230	B140510	B140510-BS3	50x	MDL
231	B140510	B140510-BS4	50x	MDL
232	B140510	B140510-BS5	50x	MDL
233	B140510	B140510-BS6	50x	MDL
234	B140510	B140510-BS7	50x	MDL
235	B140510	B140510-BS8	50x	MDL
236	B140510	B140510-BS9	50x	MDL
6		SEQ-CCVE		1412039
10		SEQ-CCBE		
237	B140510	B140510-BSE	50x	LOD
238	B140510	B140510-BSF	50x	LOD
239	B140510	B140510-BSA	50x	IPR/LOQ
240	B140510	B140510-BSB	50x	IPR/LOQ

241	B140510	B140510-BSC	50x	IPR/LOQ
242	B140510	B140510-BSD	50x	IPR/LOQ
6		SEQ-CCVF		1412039
10		SEQ-CCBF		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		

Trace Metals Method BR-0070 Rev 003 (ICP-MS)
Biota Preparation by HotBlock Digestion
Digestion by: HNO_3 / H_2O_2

Page 1 of 2

Batch #: B140477, 0478, 0479 Prepared By: CCE Preparation Date and Time*: 3/24/14 1630

Matrix: biota Balance ID: BL-03 Date and Time of Finished Preparation: 1040 3/25/14

* Time is when the first reagents are added.

Sample ID	Sample Mass (g)	Notes
BLK1	---	
BLK2	---	
BLK3	---	
BLK4	---	
BS1	---	
SRM1	0.252	
SRM2	0.252	
1411043-01	0.501	
DUP1	0.496	Source: 1411043-01
MS1	0.505	⊥
MSD1	0.504	⊥
1411043-02	0.517	
-03	0.554	
-04	0.571	
-05	0.514	
-06	0.529	
-07	0.556	
-08	0.531	
-09	0.542	
-10	0.521	
-11	0.530	
DUP2	0.515	Source: 1411043-11
MS2	0.497	⊥
MSD2	0.522	⊥

Sample ID	Sample Mass (g)	Notes
1411043-12	0.511	
-13	0.511	
-14	0.515	
-15	0.526	
-16	0.564	
-17	0.592	
-18	0.518	
-19	0.510	
1411044-01	0.501	
B140479 DUP3	0.510	Source 1411044-02
MS3	0.530	⊥
MSD3	0.529	⊥
1411044-02	0.542	
-03	0.540	
-04	0.539	
-05	0.545	
-06	0.505	
-07	0.592	
-08	0.524	
-09	0.548	
-10	0.510	
-11	0.521	
B140479 DUP4	0.532	Source: 1411044-12
MS4	0.494	⊥

Note: QC sets follow source sample on benchsheet unless otherwise noted.
If no batch is specified, QC is shared between all batches being prepped.

Sample ID	Spike ID	Spike Added (mL)	Analyte/Concentration	Spike Witness Initials/Date
BS1, MS/D 1-4	1413003	0.1	B140477-9 spike mix	
BS1, MS/D 1-2	B47040	0.05	Ag 10 ppm	
	1410043	0.1	Sb 1 ppm	3/24/14
	1310029	0.025	Al 10,000 ppm	
	1345003	0.050	Fe 10,000 ppm	

fake spike ID: 1413004

Target Hotblock Temperature = 100 °C

Reagents Added (ID/Amount Added)
0.1mL H2O2 (1350057)
10mL HNO3 (1406035)

HotBlock Temperature*, Time On / Time Off, Date
N/C: 103°C 1705 / M: 103°C C: 101.5°C 1705 3/24/14
timer set for 3.5 hrs
Hotblock Therm. ID: HB-02 / HB-01 Therm. Hotblock ID: TM-05 / TM-01
* Both measured and corrected temperatures must be recorded.

Environ. Express tube lot #: 1309271

Final Dilution Volume 40 mL

SRM-Matrix-LIMS ID #
SRM1-DOFN-4-1329003
SRM2-TOFF-3-1327017

Comments:
*: changes by CCE 3/24/14 o: digested on HB-01 (all other samples digested on HB-02) Δ: Final vol = 45 mL

Trace Metals Method BR-0070 Rev 003 (ICP-MS)
Biota Preparation by HotBlock Digestion

Digestion by: HNO_3 / H_2O_2

Batch #: B140477, 0478, 0479

Sample ID	Sample Mass (g)	Notes
B140479 MSD4	0.522	source: 1411044-12
1411044-12	0.545	
-13	0.537	
-14	0.523	
-15	0.537	
-16	0.530	
-17	0.506	
-18	0.589	

LCE 3/24/14

Sample ID	Sample Mass (g)	Notes

LCE 3/24/14

B140477, 0478, 0479
biota

Samples spiked: BS1, MS/D1-4

Spike mix ID: 1413003

Element	Target Conc. (mg/kg)	spike conc w/ **0.1mL spike vol** and **0.5g* sample**	mL from stock into **10mL tube**	ppm	LIMS ID
As DRC	10.000	50.000	0.500	1000	1310030
Ba	1.600	8.000	0.800	**100**	1411082
Be	0.900	4.500	0.450	**100**	1411084
Cd	0.200	1.000	0.100	**100**	1411087
Co	1.600	8.000	0.800	**100**	1351036
Cr DRC	3.000	15.000	0.150	1000	1351015
Cu	10.000	50.000	0.500	1000	1351017
Mn	13.000	65.000	0.650	1000	1351019
Pb	1.500	7.500	0.075	1000	1351022
Se DRC	1.500	7.500	0.075	1000	1310070
Tl	1.000	5.000	0.050	1000	1310041
V DRC	4.000	20.000	0.200	**1000**	1310043
Zn	10.000	50.000	0.050	**10000**	1337001

Samples spiked: BS1, MS/D1-2 Add 5.6mL 2% HNO3

Fake spike ID: 1413004

Element	Target Conc. (mg/kg)	vol to spike **directly** to **0.5g* sample**	ppm	LIMS ID
Ag	1.000	0.050	**10**	1347040
Sb	0.200	0.100	**1**	1410043
Al	500.000	0.025	**10000**	1310029
Fe DRC	1000.000	0.050	**10000**	1345003

*listed spike volume(s) used regardless of sample mass.

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Elandata\Wizard\SmartTune\1-SmartTune Full SF.swz

Start Time: 2/18/2014 12:46:33 PM
End Time: 2/18/2014 12:52:15 PM

Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (9.0122/9.025), Target/Obtained resolution (0.7/0.691)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.699)
Target/Obtained mass (75.93/75.925), Target/Obtained resolution (0.7/0.680)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.679)
Target/Obtained mass (139.905/139.875), Target/Obtained resolution (0.7/0.683)
Target/Obtained mass (207.977/208.025), Target/Obtained resolution (0.7/0.694)
Target/Obtained mass (238.05/237.975), Target/Obtained resolution (0.7/0.687)

SmartTune Wizard - Details

```
Optimization Details

SmartTune file: C:\Elandata\Wizard\SmartTune\1-SmartTune Full SF.swz

Optimization Status

Start Time: 2/18/2014 12:46:33 PM



Mass Calibration and Resolution
        Optimization Settings:
                Method: C:\Elandata\Method\1-tuning-SF.mth.
                Tuning File: Default.tun
                Iterations: 6
                Target accuracy (+/- amu): 0.1 for Mass Cal. and 0.05 for Resolution
                Peak height (%) for Res. Opt.: 10

        Optimization Results:
        Initial Try
                Target/Obtained mass (9.0122/9.025), Target/Obtained resolution (0.7/0.691)
                Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.699)
                Target/Obtained mass (75.93/75.925), Target/Obtained resolution (0.7/0.680)
                Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.679)
                Target/Obtained mass (139.905/139.875), Target/Obtained resolution (0.7/0.683)
                Target/Obtained mass (207.977/208.025), Target/Obtained resolution (0.7/0.694)
                Target/Obtained mass (238.05/237.975), Target/Obtained resolution (0.7/0.687)
[Passed]  Optimum value(s): N/A

End Time: 2/18/2014 12:52:15 PM
```

Sample Information

Report Title: QUANTITATIVE ANALYSIS REPORT
Batch ID:
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069
Tuning File: C:\Elandata\Tuning\Default.tun
Optimization File: C:\Elandata\Optimize\Default.dac
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Calibration Type: External Calibration

Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
V	51	Weighted Linear	0.002	-0.000	0.995623	0.030000
Cr	52	Weighted Linear	0.009	0.000	0.997916	0.030000
Cr	53	Weighted Linear	0.001	0.000	0.997854	0.030000
Fe	54	Weighted Linear	0.001	-0.000	0.999541	1.000000
Fe	56	Weighted Linear	0.015	-0.001	0.999570	1.000000
Ni	60	Weighted Linear	0.003	-0.000	0.999914	0.040000
Ni	62	Weighted Linear	0.000	0.000	0.999032	0.040000
Cu	63	Weighted Linear	0.006	-0.000	0.999033	0.024000
Cu	65	Weighted Linear	0.003	0.000	0.999645	0.024000
Zn	66	Weighted Linear	0.002	-0.000	0.996019	0.040000
Zn	68	Weighted Linear	0.001	-0.000	0.997740	0.040000
Rh	103	Weighted Linear				

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB1

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 16:53:02
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51		1	1	43.3			ug/L
	Cr	52		117	7	5.8			ug/L
	Cr	53		14	4	25.8			ug/L
	Fe	54		206	20	9.5			ug/L
	Fe	56		3758	101	2.7			ug/L
	Ni	60		8	2	18.3			ug/L
	Ni	62		1	1	43.3			ug/L
	Cu	63		34	4	12.0			ug/L
	Cu	65		17	2	13.3			ug/L
	Zn	66		62	4	6.1			ug/L
	Zn	68		49	1	1.2			ug/L
>	Rh	103		674620	3350	0.5			ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL1

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 16:54:18
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CAL1.070
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	40	7	17.9	0.000058	**0.0304**	ug/L
Cr	52	117	316	18	5.7	0.000294	**0.0296**	ug/L
Cr	53	14	39	4	10.3	0.000038	**0.0297**	ug/L
Fe	54	206	677	29	4.3	0.000697	**0.9962**	ug/L
Fe	56	3758	13015	343	2.6	0.013711	**0.9989**	ug/L
Ni	60	8	81	7	9.0	0.000107	**0.0399**	ug/L
Ni	62	1	13	4	26.3	0.000018	**0.0409**	ug/L
Cu	63	34	122	21	16.9	0.000131	**0.0236**	ug/L
Cu	65	17	65	3	5.3	0.000071	**0.0238**	ug/L
Zn	66	62	99	7	6.7	0.000056	**0.0387**	ug/L
Zn	68	49	77	13	17.4	0.000041	**0.0390**	ug/L
> Rh	103	674620	674973	15424	2.3	674973.293087		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL2

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 16:55:34
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CAL2.071
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	229	9	4.0	0.000339	**0.1488**	ug/L
	Cr	52	117	1078	27	2.5	0.001433	**0.1539**	ug/L
	Cr	53	14	138	5	3.6	0.000185	**0.1533**	ug/L
	Fe	54	206	2798	27	1.0	0.003863	**5.0333**	ug/L
	Fe	56	3758	53104	523	1.0	0.073542	**4.9828**	ug/L
	Ni	60	8	398	10	2.6	0.000581	**0.2034**	ug/L
	Ni	62	1	54	4	6.5	0.000078	**0.1848**	ug/L
	Cu	63	34	567	10	1.8	0.000794	**0.1268**	ug/L
	Cu	65	17	262	14	5.4	0.000365	**0.1248**	ug/L
	Zn	66	62	333	13	3.9	0.000404	**0.2217**	ug/L
	Zn	68	49	228	11	4.8	0.000267	**0.2198**	ug/L
>	Rh	103	674620	671240	1523	0.2	671240.092493		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL3

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 16:56:50
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 4

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CAL3.072
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	421	21	4.9	0.000628	**0.2703**	ug/L
	Cr	52	117	2085	9	0.4	0.002950	**0.3196**	ug/L
	Cr	53	14	263	24	9.2	0.000373	**0.3112**	ug/L
	Fe	54	206	5486	85	1.6	0.007914	**10.1993**	ug/L
	Fe	56	3758	104490	1069	1.0	0.150985	**10.1394**	ug/L
	Ni	60	8	764	20	2.6	0.001132	**0.3933**	ug/L
	Ni	62	1	106	6	6.0	0.000156	**0.3722**	ug/L
	Cu	63	34	1107	28	2.5	0.001609	**0.2537**	ug/L
	Cu	65	17	482	37	7.6	0.000696	**0.2383**	ug/L
	Zn	66	62	604	24	3.9	0.000813	**0.4366**	ug/L
	Zn	68	49	386	26	6.6	0.000506	**0.4112**	ug/L
>	Rh	103	674620	667473	3805	0.6	667473.060353		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL4

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 16:58:05
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CAL4.073
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	2170	72	3.3	0.003229	**1.3636**	ug/L
	Cr	52	117	9926	192	1.9	0.014604	**1.5920**	ug/L
	Cr	53	14	1291	52	4.0	0.001901	**1.5940**	ug/L
	Fe	54	206	26860	824	3.1	0.039681	**50.7100**	ug/L
	Fe	56	3758	511520	10695	2.1	0.755992	**50.4242**	ug/L
	Ni	60	8	3846	155	4.0	0.005712	**1.9729**	ug/L
	Ni	62	1	571	29	5.2	0.000848	**2.0257**	ug/L
	Cu	63	34	5304	173	3.3	0.007846	**1.2247**	ug/L
	Cu	65	17	2400	64	2.7	0.003548	**1.2159**	ug/L
	Zn	66	62	2804	49	1.7	0.004083	**2.1542**	ug/L
	Zn	68	49	1797	29	1.6	0.002603	**2.0902**	ug/L
>	Rh	103	674620	671633	10116	1.5	671632.859213		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL5

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 16:59:21
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CAL5.074
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	7719	221	2.9	0.011268	**4.7436**	ug/L
Cr	52	117	83608	1132	1.4	0.121912	**13.3074**	ug/L
Cr	53	14	10880	137	1.3	0.015867	**13.3157**	ug/L
Fe	54	206	140152	1837	1.3	0.204356	**260.7117**	ug/L
Fe	56	3758	2692852	35907	1.3	3.926713	**261.5484**	ug/L
Ni	60	8	9990	205	2.0	0.014576	**5.0294**	ug/L
Ni	62	1	1468	28	1.9	0.002143	**5.1214**	ug/L
Cu	63	34	22474	117	0.5	0.032767	**5.1047**	ug/L
Cu	65	17	10279	127	1.2	0.014985	**5.1367**	ug/L
Zn	66	62	6874	76	1.1	0.009947	**5.2348**	ug/L
Zn	68	49	4560	103	2.3	0.006586	**5.2798**	ug/L
> Rh	103	674620	684840	7371	1.1	684839.741950		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL6

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:00:37
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 7

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CAL6.075
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	16782	51	0.3	0.023283	**9.7951**	ug/L
Cr	52	117	167848	74	0.0	0.232705	**25.4033**	ug/L
Cr	53	14	22433	252	1.1	0.031106	**26.1064**	ug/L
Fe	54	206	287772	1286	0.4	0.398959	**508.8786**	ug/L
Fe	56	3758	5520906	11684	0.2	7.654344	**509.7548**	ug/L
Ni	60	8	20941	95	0.5	0.029042	**10.0180**	ug/L
Ni	62	1	3034	48	1.6	0.004207	**10.0564**	ug/L
Cu	63	34	45810	268	0.6	0.063509	**9.8909**	ug/L
Cu	65	17	21160	79	0.4	0.029332	**10.0552**	ug/L
Zn	66	62	67998	673	1.0	0.094254	**49.5214**	ug/L
Zn	68	49	45356	240	0.5	0.062858	**50.3439**	ug/L
> Rh	103	674620	720776	5065	0.7	720776.135446		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL7

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:01:53
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 8

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CAL7.076
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	39358	330	0.8	0.052409	**22.0411**	ug/L
Cr	52	117	819203	10329	1.3	1.090718	**119.0779**	ug/L
Cr	53	14	108182	1604	1.5	0.144039	**120.8958**	ug/L
Fe	54	206	1449729	20142	1.4	1.930222	**2461.6196**	ug/L
Fe	56	3758	28129636	560408	2.0	37.452746	**2493.8983**	ug/L
Ni	60	8	110266	1346	1.2	0.146823	**50.6339**	ug/L
Ni	62	1	16186	196	1.2	0.021553	**51.5305**	ug/L
Cu	63	34	235851	2617	1.1	0.314022	**48.8930**	ug/L
Cu	65	17	109124	1703	1.6	0.145289	**49.8082**	ug/L
Zn	66	62	336486	5162	1.5	0.447988	**235.3381**	ug/L
Zn	68	49	225101	2462	1.1	0.299684	**239.9988**	ug/L
> Rh	103	674620	750937	1855	0.2	750936.792755		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL8

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:03:09
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CAL8.077
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	103369	748	0.7	0.137270	**57.7197**	ug/L
Cr	52	117	1560717	13904	0.9	2.072429	**226.2573**	ug/L
Cr	53	14	206794	2202	1.1	0.274597	**230.4777**	ug/L
Fe	54	206	2867775	15921	0.6	3.808101	**4856.3806**	ug/L
Fe	56	3758	54839132	489014	0.9	72.822013	**4848.9810**	ug/L
Ni	60	8	220374	857	0.4	0.292641	**100.9179**	ug/L
Ni	62	1	32475	258	0.8	0.043126	**103.1112**	ug/L
Cu	63	34	464449	2864	0.6	0.616729	**96.0212**	ug/L
Cu	65	17	214798	957	0.4	0.285222	**97.7807**	ug/L
Zn	66	62	651158	2861	0.4	0.864638	**454.2053**	ug/L
Zn	68	49	438125	1220	0.3	0.581749	**465.8826**	ug/L
> Rh	103	674620	753066	6330	0.8	753066.096972		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL9

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:04:25
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CAL9.078
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	206739	4500	2.2	0.293570	**123.4343**	ug/L
	Cr	52	117	2973354	24591	0.8	4.222640	**461.0091**	ug/L
	Cr	53	14	372985	3652	1.0	0.529685	**444.5827**	ug/L
	Fe	54	206	5226202	45457	0.9	7.421821	**9464.7709**	ug/L
	Fe	56	3758	100363842	727607	0.7	142.528339	**9490.4162**	ug/L
	Ni	60	8	402413	5610	1.4	0.571438	**197.0592**	ug/L
	Ni	62	1	60052	864	1.4	0.085275	**203.8893**	ug/L
	Cu	63	34	845440	9930	1.2	1.200546	**186.9153**	ug/L
	Cu	65	17	392290	5166	1.3	0.557059	**190.9729**	ug/L
	Zn	66	62	1164202	16865	1.4	1.653139	**868.4067**	ug/L
	Zn	68	49	788959	10133	1.3	1.120307	**897.1711**	ug/L
>	Rh	103	674620	704196	9200	1.3	704195.501684		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB2

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:05:42
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB2.079
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	16	3	19.5	0.000023	**0.0159**	ug/L
	Cr	52	117	544	191	35.1	0.000698	**0.0737**	ug/L
	Cr	53	14	68	44	64.5	0.000088	**0.0721**	ug/L
	Fe	54	206	1797	420	23.4	0.002576	**3.3919**	ug/L
	Fe	56	3758	33622	7721	23.0	0.048345	**3.3051**	ug/L
	Ni	60	8	59	23	39.5	0.000083	**0.0315**	ug/L
	Ni	62	1	8	7	96.1	0.000010	**0.0228**	ug/L
	Cu	63	34	136	49	36.2	0.000168	**0.0293**	ug/L
	Cu	65	17	53	21	40.2	0.000060	**0.0201**	ug/L
	Zn	66	62	206	72	34.8	0.000241	**0.1357**	ug/L
	Zn	68	49	147	35	23.7	0.000164	**0.1377**	ug/L
>	Rh	103	674620	622144	50372	8.1	622143.673457		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	92.221

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICV1

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:09:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 101

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICV1.080
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	7714	8	0.1	0.011265	**4.7425**	ug/L
	Cr	52	117	82010	675	0.8	0.119616	**13.0567**	ug/L
	Cr	53	14	10889	130	1.2	0.015884	**13.3300**	ug/L
	Fe	54	206	137414	1381	1.0	0.200412	**255.6829**	ug/L
	Fe	56	3758	2680954	29453	1.1	3.910426	**260.4639**	ug/L
	Ni	60	8	9633	139	1.4	0.014058	**4.8508**	ug/L
	Ni	62	1	1425	19	1.3	0.002080	**4.9720**	ug/L
	Cu	63	34	22113	172	0.8	0.032250	**5.0241**	ug/L
	Cu	65	17	10041	65	0.6	0.014640	**5.0187**	ug/L
	Zn	66	62	6704	59	0.9	0.009701	**5.1051**	ug/L
	Zn	68	49	4528	20	0.4	0.006542	**5.2449**	ug/L
>	Rh	103	674620	684610	1061	0.2	684609.952221		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	101.481

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB3

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:11:59
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB3.081
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	2	1	50.0	0.000001	**0.0066**	ug/L
	Cr	52	117	127	9	6.7	0.000022	**-0.0001**	ug/L
	Cr	53	14	17	1	6.7	0.000006	**0.0031**	ug/L
	Fe	54	206	271	2	0.7	0.000112	**0.2504**	ug/L
	Fe	56	3758	5192	102	2.0	0.002429	**0.2477**	ug/L
	Ni	60	8	8	1	7.5	-0.000001	**0.0028**	ug/L
	Ni	62	1	2	2	65.5	0.000002	**0.0022**	ug/L
	Cu	63	34	30	8	27.5	-0.000003	**0.0027**	ug/L
	Cu	65	17	14	5	35.8	-0.000004	**-0.0016**	ug/L
	Zn	66	62	64	6	8.7	0.000007	**0.0131**	ug/L
	Zn	68	49	54	7	13.1	0.000012	**0.0152**	ug/L
>	Rh	103	674620	649248	5466	0.8	649248.462359		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	96.239

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL1

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:13:15
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 102

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-IBL1.082
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	0	1	173.2	-0.000001	**0.0056**	ug/L
	Cr	52	117	127	10	7.9	0.000020	**-0.0003**	ug/L
	Cr	53	14	17	4	25.6	0.000005	**0.0025**	ug/L
	Fe	54	206	191	11	5.5	-0.000014	**0.0894**	ug/L
	Fe	56	3758	3488	109	3.1	-0.000252	**0.0692**	ug/L
	Ni	60	8	8	2	27.7	0.000000	**0.0031**	ug/L
	Ni	62	1	1	1	173.2	-0.000001	**-0.0040**	ug/L
	Cu	63	34	23	5	21.7	-0.000015	**0.0009**	ug/L
	Cu	65	17	7	2	31.5	-0.000015	**-0.0054**	ug/L
	Zn	66	62	54	7	13.3	-0.000009	**0.0048**	ug/L
	Zn	68	49	50	14	27.1	0.000004	**0.0092**	ug/L
>	Rh	103	674620	655888	3394	0.5	655888.330976		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	97.223

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL2

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:14:31
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 103

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-IBL2.083
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	1	1	43.3	0.000000	**0.0062**	ug/L
Cr	52	117	130	9	7.0	0.000027	**0.0005**	ug/L
Cr	53	14	20	2	10.0	0.000010	**0.0068**	ug/L
Fe	54	206	157	12	7.7	-0.000063	**0.0277**	ug/L
Fe	56	3758	2735	76	2.8	-0.001335	**-0.0029**	ug/L
Ni	60	8	9	3	29.0	0.000001	**0.0034**	ug/L
Ni	62	1	1	1	86.6	-0.000001	**-0.0039**	ug/L
Cu	63	34	18	2	11.4	-0.000022	**-0.0002**	ug/L
Cu	65	17	10	3	26.5	-0.000010	**-0.0039**	ug/L
Zn	66	62	59	6	9.7	-0.000001	**0.0091**	ug/L
Zn	68	49	52	7	12.6	0.000008	**0.0123**	ug/L
> Rh	103	674620	645693	10236	1.6	645693.310261		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	95.712

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL3

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:15:47
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 104

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-IBL3.084
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	1	1	43.3	0.000000	**0.0062**	ug/L
Cr	52	117	116	7	6.0	0.000007	**-0.0017**	ug/L
Cr	53	14	13	4	27.7	-0.000000	**-0.0022**	ug/L
Fe	54	206	176	6	3.2	-0.000031	**0.0679**	ug/L
Fe	56	3758	2844	65	2.3	-0.001138	**0.0102**	ug/L
Ni	60	8	10	3	26.5	0.000003	**0.0041**	ug/L
Ni	62	1	2	1	34.6	0.000001	**-0.0002**	ug/L
Cu	63	34	28	2	6.2	-0.000006	**0.0022**	ug/L
Cu	65	17	12	4	34.6	-0.000008	**-0.0030**	ug/L
Zn	66	62	90	13	14.4	0.000048	**0.0348**	ug/L
Zn	68	49	61	12	19.0	0.000023	**0.0247**	ug/L
> Rh	103	674620	641704	6452	1.0	641704.439964		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	95.121

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL4

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:17:03
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 105

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-IBL4.085
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	1	2	173.2	-0.000000	**0.0060**	ug/L
Cr	52	117	108	11	10.0	-0.000002	**-0.0027**	ug/L
Cr	53	14	17	3	17.6	0.000007	**0.0040**	ug/L
Fe	54	206	124	7	5.3	-0.000108	**-0.0304**	ug/L
Fe	56	3758	2202	168	7.6	-0.002061	**-0.0512**	ug/L
Ni	60	8	7	2	34.6	-0.000002	**0.0024**	ug/L
Ni	62	1	1	1	100.0	-0.000000	**-0.0026**	ug/L
Cu	63	34	26	3	13.3	-0.000008	**0.0019**	ug/L
Cu	65	17	10	1	10.0	-0.000010	**-0.0037**	ug/L
Zn	66	62	68	4	5.9	0.000017	**0.0183**	ug/L
Zn	68	49	53	6	10.8	0.000013	**0.0162**	ug/L
> Rh	103	674620	627074	7749	1.2	627073.807440		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	92.952

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV1

Sample Description: 5x
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:18:19
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 106

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-SCV1.086
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	12514	126	1.0	0.016594	**34.9150**	ug/L
Cr	52	117	27313	462	1.7	0.036049	**19.6662**	ug/L
Cr	53	14	3580	153	4.3	0.004727	**19.8277**	ug/L
Fe	54	206	12347	240	1.9	0.016069	**102.9966**	ug/L
Fe	56	3758	242002	3459	1.4	0.315372	**105.4260**	ug/L
Ni	60	8	26819	372	1.4	0.035555	**61.3190**	ug/L
Ni	62	1	3775	78	2.1	0.005005	**59.8242**	ug/L
Cu	63	34	21372	477	2.2	0.028292	**22.0398**	ug/L
Cu	65	17	10171	97	1.0	0.013463	**23.0749**	ug/L
Zn	66	62	23898	448	1.9	0.031601	**83.0479**	ug/L
Zn	68	49	17561	292	1.7	0.023217	**92.9922**	ug/L
> Rh	103	674620	754026	6375	0.8	754025.633106		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	111.770

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV2

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:20:35
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 107

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-SCV2.087
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	35520	122	0.3	0.048345	**20.3322**	ug/L
	Cr	52	117	327100	1697	0.5	0.445069	**48.5884**	ug/L
	Cr	53	14	43274	287	0.7	0.058883	**49.4206**	ug/L
	Fe	54	206	568088	4425	0.8	0.772961	**985.8239**	ug/L
	Fe	56	3758	11085337	51050	0.5	15.083449	**1004.4260**	ug/L
	Ni	60	8	43552	305	0.7	0.059270	**20.4419**	ug/L
	Ni	62	1	6073	38	0.6	0.008264	**19.7578**	ug/L
	Cu	63	34	91857	360	0.4	0.124976	**19.4606**	ug/L
	Cu	65	17	42228	247	0.6	0.057450	**19.6948**	ug/L
	Zn	66	62	27783	70	0.3	0.037724	**19.8258**	ug/L
	Zn	68	49	18389	181	1.0	0.024958	**19.9931**	ug/L
>	Rh	103	674620	734736	7764	1.1	734735.750884		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	108.911

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV1

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:21:52
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCV1.088
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	2135	31	1.5	0.003206	**1.3541**	ug/L
	Cr	52	117	9955	180	1.8	0.014789	**1.6121**	ug/L
	Cr	53	14	1340	24	1.8	0.001993	**1.6708**	ug/L
	Fe	54	206	26826	213	0.8	0.040016	**51.1382**	ug/L
	Fe	56	3758	510538	2271	0.4	0.761911	**50.8183**	ug/L
	Ni	60	8	3733	123	3.3	0.005597	**1.9330**	ug/L
	Ni	62	1	533	19	3.6	0.000800	**1.9105**	ug/L
	Cu	63	34	5249	60	1.1	0.007841	**1.2240**	ug/L
	Cu	65	17	2364	93	3.9	0.003531	**1.2100**	ug/L
	Zn	66	62	2760	37	1.4	0.004058	**2.1412**	ug/L
	Zn	68	49	1792	95	5.3	0.002622	**2.1053**	ug/L
>	Rh	103	674620	665545	17326	2.6	665545.194150		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	98.655

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB1

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:23:08
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCB1.089
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	2	2	124.9	0.000001	**0.0064**	ug/L
	Cr	52	117	119	15	12.6	0.000013	**-0.0011**	ug/L
	Cr	53	14	15	2	11.5	0.000003	**0.0004**	ug/L
	Fe	54	206	195	14	6.9	-0.000000	**0.1074**	ug/L
	Fe	56	3758	3635	168	4.6	0.000110	**0.0933**	ug/L
	Ni	60	8	10	7	68.9	0.000003	**0.0040**	ug/L
	Ni	62	1	3	1	33.3	0.000003	**0.0048**	ug/L
	Cu	63	34	40	8	19.3	0.000013	**0.0052**	ug/L
	Cu	65	17	19	2	12.4	0.000003	**0.0008**	ug/L
	Zn	66	62	65	9	13.2	0.000010	**0.0144**	ug/L
	Zn	68	49	58	9	15.0	0.000019	**0.0208**	ug/L
>	Rh	103	674620	640299	10373	1.6	640299.208578		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	94.913

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV2

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:37:26
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCV2.098
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	2061	27	1.3	0.003286	**1.3879**	ug/L
Cr	52	117	9751	134	1.4	0.015383	**1.6770**	ug/L
Cr	53	14	1286	84	6.5	0.002030	**1.7022**	ug/L
Fe	54	206	25932	219	0.8	0.041064	**52.4748**	ug/L
Fe	56	3758	491783	5926	1.2	0.778984	**51.9551**	ug/L
Ni	60	8	3579	61	1.7	0.005698	**1.9679**	ug/L
Ni	62	1	546	13	2.4	0.000869	**2.0763**	ug/L
Cu	63	34	5007	121	2.4	0.007938	**1.2391**	ug/L
Cu	65	17	2267	8	0.4	0.003590	**1.2305**	ug/L
Zn	66	62	2683	42	1.6	0.004188	**2.2095**	ug/L
Zn	68	49	1755	66	3.7	0.002727	**2.1895**	ug/L
> Rh	103	674620	626818	2771	0.4	626818.325380		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	92.914

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB2

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:38:42
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCB2.099
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	1	0	0.0	-0.000000	**0.0060**	ug/L
	Cr	52	117	113	7	5.8	0.000014	**-0.0009**	ug/L
	Cr	53	14	12	4	30.1	-0.000001	**-0.0029**	ug/L
	Fe	54	206	110	10	9.5	-0.000122	**-0.0485**	ug/L
	Fe	56	3758	1882	186	9.9	-0.002436	**-0.0762**	ug/L
	Ni	60	8	7	2	20.8	-0.000000	**0.0029**	ug/L
	Ni	62	1	1	2	114.6	0.000000	**-0.0011**	ug/L
	Cu	63	34	38	6	15.7	0.000014	**0.0054**	ug/L
	Cu	65	17	11	1	10.8	-0.000008	**-0.0031**	ug/L
	Zn	66	62	55	7	11.9	-0.000000	**0.0092**	ug/L
	Zn	68	49	47	3	7.4	0.000006	**0.0108**	ug/L
>	Rh	103	674620	600681	5113	0.9	600681.193249		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	89.040

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV3

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:55:48
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCV3.105
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	1710	99	5.8	0.003455	**1.4587**	ug/L
Cr	52	117	8428	348	4.1	0.016868	**1.8391**	ug/L
Cr	53	14	1129	65	5.7	0.002261	**1.8959**	ug/L
Fe	54	206	21946	895	4.1	0.044074	**56.3129**	ug/L
Fe	56	3758	409906	15735	3.8	0.823277	**54.9043**	ug/L
Ni	60	8	2953	149	5.1	0.005955	**2.0567**	ug/L
Ni	62	1	444	4	0.9	0.000896	**2.1400**	ug/L
Cu	63	34	3952	109	2.7	0.007939	**1.2392**	ug/L
Cu	65	17	1809	69	3.8	0.003632	**1.2449**	ug/L
Zn	66	62	2212	57	2.6	0.004382	**2.3115**	ug/L
Zn	68	49	1480	82	5.6	0.002924	**2.3474**	ug/L
> Rh	103	674620	494892	20570	4.2	494892.205329		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	73.359

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB3

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 17:57:04
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCB3.106
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	7	3	37.7	0.000012	**0.0112**	ug/L
	Cr	52	117	88	8	8.9	0.000009	**-0.0015**	ug/L
	Cr	53	14	16	1	7.1	0.000013	**0.0092**	ug/L
	Fe	54	206	83	5	6.2	-0.000134	**-0.0631**	ug/L
	Fe	56	3758	1553	68	4.4	-0.002347	**-0.0703**	ug/L
	Ni	60	8	16	1	6.3	0.000021	**0.0101**	ug/L
	Ni	62	1	1	1	43.3	0.000001	**0.0003**	ug/L
	Cu	63	34	27	3	9.4	0.000006	**0.0040**	ug/L
	Cu	65	17	11	1	5.1	-0.000002	**-0.0012**	ug/L
	Zn	66	62	45	2	3.4	0.000001	**0.0100**	ug/L
	Zn	68	49	43	5	10.7	0.000017	**0.0197**	ug/L
>	Rh	103	674620	483333	22624	4.7	483332.538143		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	71.645

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV4

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 18:04:43
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCV4.112
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	1663	34	2.0	0.003229	**1.3636**	ug/L
	Cr	52	117	8964	68	0.8	0.017237	**1.8794**	ug/L
	Cr	53	14	1185	66	5.6	0.002282	**1.9136**	ug/L
	Fe	54	206	22654	185	0.8	0.043693	**55.8270**	ug/L
	Fe	56	3758	419521	3744	0.9	0.809218	**53.9683**	ug/L
	Ni	60	8	2996	48	1.6	0.005807	**2.0055**	ug/L
	Ni	62	1	456	14	3.0	0.000884	**2.1111**	ug/L
	Cu	63	34	4097	84	2.0	0.007906	**1.2341**	ug/L
	Cu	65	17	1868	93	5.0	0.003602	**1.2345**	ug/L
	Zn	66	62	2281	57	2.5	0.004339	**2.2887**	ug/L
	Zn	68	49	1543	27	1.8	0.002925	**2.3482**	ug/L
>	Rh	103	674620	514909	3509	0.7	514908.690242		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	76.326

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB4

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 18:05:59
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCB4.113
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	4	2	41.7	0.000005	**0.0083**	ug/L
	Cr	52	117	95	11	11.0	0.000011	**-0.0013**	ug/L
	Cr	53	14	12	2	16.7	0.000003	**0.0003**	ug/L
	Fe	54	206	88	8	9.4	-0.000134	**-0.0638**	ug/L
	Fe	56	3758	1701	113	6.7	-0.002274	**-0.0654**	ug/L
	Ni	60	8	10	5	52.9	0.000007	**0.0055**	ug/L
	Ni	62	1	2	1	24.7	0.000003	**0.0044**	ug/L
	Cu	63	34	36	4	11.7	0.000019	**0.0062**	ug/L
	Cu	65	17	15	5	33.5	0.000004	**0.0010**	ug/L
	Zn	66	62	52	9	16.3	0.000010	**0.0147**	ug/L
	Zn	68	49	54	10	18.8	0.000032	**0.0316**	ug/L
>	Rh	103	674620	516965	13934	2.7	516965.427354		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	76.631

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV5

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 18:14:54
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCV5.120
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	1787	68	3.8	0.003219	**1.3595**	ug/L
	Cr	52	117	9185	68	0.7	0.016392	**1.7871**	ug/L
	Cr	53	14	1227	62	5.0	0.002188	**1.8349**	ug/L
	Fe	54	206	23016	505	2.2	0.041193	**52.6388**	ug/L
	Fe	56	3758	434301	6960	1.6	0.777605	**51.8633**	ug/L
	Ni	60	8	3181	66	2.1	0.005724	**1.9768**	ug/L
	Ni	62	1	447	11	2.5	0.000804	**1.9212**	ug/L
	Cu	63	34	4291	58	1.3	0.007686	**1.1998**	ug/L
	Cu	65	17	1977	90	4.6	0.003540	**1.2131**	ug/L
	Zn	66	62	2389	45	1.9	0.004217	**2.2247**	ug/L
	Zn	68	49	1544	29	1.9	0.002710	**2.1762**	ug/L
>	Rh	103	674620	555376	25712	4.6	555375.644838		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	82.324

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB5

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 18:16:10
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCB5.121
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	2	2	124.9	0.000001	**0.0067**	ug/L
	Cr	52	117	103	9	8.2	0.000034	**0.0013**	ug/L
	Cr	53	14	14	5	35.8	0.000008	**0.0049**	ug/L
	Fe	54	206	102	7	7.1	-0.000099	**-0.0190**	ug/L
	Fe	56	3758	1924	80	4.1	-0.001692	**-0.0267**	ug/L
	Ni	60	8	7	1	17.3	0.000001	**0.0034**	ug/L
	Ni	62	1	1	1	100.0	0.000000	**-0.0015**	ug/L
	Cu	63	34	30	11	37.1	0.000010	**0.0047**	ug/L
	Cu	65	17	13	4	26.3	0.000001	**0.0000**	ug/L
	Zn	66	62	52	11	20.1	0.000014	**0.0167**	ug/L
	Zn	68	49	48	1	2.4	0.000025	**0.0262**	ug/L
>	Rh	103	674620	496199	6319	1.3	496199.008236		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	73.552

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV6

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 18:25:05
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCV6.128
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	1560	50	3.2	0.003412	**1.4406**	ug/L
	Cr	52	117	8310	182	2.2	0.018000	**1.9627**	ug/L
	Cr	53	14	1121	39	3.4	0.002431	**2.0389**	ug/L
	Fe	54	206	20628	468	2.3	0.044811	**57.2520**	ug/L
	Fe	56	3758	383864	9272	2.4	0.834004	**55.6186**	ug/L
	Ni	60	8	2796	85	3.0	0.006101	**2.1069**	ug/L
	Ni	62	1	406	18	4.4	0.000884	**2.1129**	ug/L
	Cu	63	34	3866	78	2.0	0.008402	**1.3113**	ug/L
	Cu	65	17	1741	69	3.9	0.003786	**1.2975**	ug/L
	Zn	66	62	2125	62	2.9	0.004554	**2.4015**	ug/L
	Zn	68	49	1384	43	3.1	0.002956	**2.3732**	ug/L
>	Rh	103	674620	460501	41795	9.1	460501.441492		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	68.261

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB6

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 18:26:21
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCB6.129
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	1	1	86.6	0.000001	**0.0065**	ug/L
	Cr	52	117	88	12	13.6	0.000010	**-0.0014**	ug/L
	Cr	53	14	10	2	17.3	0.000000	**-0.0017**	ug/L
	Fe	54	206	1539	2539	165.0	0.002883	**3.7834**	ug/L
	Fe	56	3758	1362	116	8.5	-0.002711	**-0.0945**	ug/L
	Ni	60	8	6	3	44.4	-0.000000	**0.0028**	ug/L
	Ni	62	1	1	0	0.0	0.000000	**-0.0014**	ug/L
	Cu	63	34	30	6	18.2	0.000014	**0.0053**	ug/L
	Cu	65	17	14	3	21.1	0.000003	**0.0006**	ug/L
	Zn	66	62	45	7	14.6	0.000003	**0.0110**	ug/L
	Zn	68	49	39	5	13.3	0.000010	**0.0138**	ug/L
>	Rh	103	674620	476439	7266	1.5	476438.654305		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	70.623

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV7

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 18:35:15
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCV7.136
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	1642	9	0.5	0.003336	**1.4087**	ug/L
Cr	52	117	8910	49	0.6	0.017938	**1.9559**	ug/L
Cr	53	14	1165	12	1.0	0.002347	**1.9681**	ug/L
Fe	54	206	22386	320	1.4	0.045199	**57.7475**	ug/L
Fe	56	3758	413489	5659	1.4	0.834765	**55.6693**	ug/L
Ni	60	8	2938	39	1.3	0.005962	**2.0589**	ug/L
Ni	62	1	435	30	6.9	0.000882	**2.1069**	ug/L
Cu	63	34	4142	59	1.4	0.008368	**1.3060**	ug/L
Cu	65	17	1869	41	2.2	0.003772	**1.2927**	ug/L
Zn	66	62	2233	39	1.7	0.004449	**2.3462**	ug/L
Zn	68	49	1495	45	3.0	0.002965	**2.3800**	ug/L
> Rh	103	674620	492281	15724	3.2	492280.721295		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	72.972

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB7

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 18:36:32
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCB7.137
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	2	2	65.5	0.000003	**0.0074**	ug/L
	Cr	52	117	91	10	10.5	0.000018	**-0.0005**	ug/L
	Cr	53	14	13	2	11.5	0.000007	**0.0044**	ug/L
	Fe	54	206	131	6	4.6	-0.000028	**0.0722**	ug/L
	Fe	56	3758	2484	195	7.9	-0.000321	**0.0646**	ug/L
	Ni	60	8	6	1	16.7	0.000000	**0.0031**	ug/L
	Ni	62	1	2	2	91.7	0.000002	**0.0021**	ug/L
	Cu	63	34	25	7	28.8	0.000002	**0.0035**	ug/L
	Cu	65	17	12	4	30.0	-0.000000	**-0.0005**	ug/L
	Zn	66	62	51	4	6.8	0.000017	**0.0184**	ug/L
	Zn	68	49	41	3	7.5	0.000014	**0.0170**	ug/L
>	Rh	103	674620	472788	9207	1.9	472787.678357		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	70.082

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV8

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 18:45:26
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCV8.144
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	1585	48	3.0	0.003229	**1.3637**	ug/L
	Cr	52	117	8500	73	0.9	0.017144	**1.8692**	ug/L
	Cr	53	14	1144	30	2.6	0.002308	**1.9355**	ug/L
	Fe	54	206	23649	1168	4.9	0.047897	**61.1884**	ug/L
	Fe	56	3758	437336	22699	5.2	0.885782	**59.0663**	ug/L
	Ni	60	8	2839	194	6.8	0.005773	**1.9937**	ug/L
	Ni	62	1	405	13	3.1	0.000824	**1.9684**	ug/L
	Cu	63	34	3942	77	2.0	0.007982	**1.2459**	ug/L
	Cu	65	17	1788	32	1.8	0.003617	**1.2395**	ug/L
	Zn	66	62	2107	27	1.3	0.004200	**2.2158**	ug/L
	Zn	68	49	1440	22	1.5	0.002862	**2.2980**	ug/L
>	Rh	103	674620	491114	13015	2.7	491113.770759		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	72.799

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB8

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 18:46:42
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCB8.145
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	1	2	173.2	0.000000	**0.0063**	ug/L
	Cr	52	117	96	4	4.2	0.000040	**0.0018**	ug/L
	Cr	53	14	13	3	19.9	0.000007	**0.0044**	ug/L
	Fe	54	206	669	66	9.8	0.001175	**1.6056**	ug/L
	Fe	56	3758	12562	979	7.8	0.022243	**1.5670**	ug/L
	Ni	60	8	6	2	32.9	0.000002	**0.0036**	ug/L
	Ni	62	1	1	1	86.6	0.000001	**0.0008**	ug/L
	Cu	63	34	26	6	24.0	0.000008	**0.0044**	ug/L
	Cu	65	17	12	3	22.0	0.000001	**-0.0000**	ug/L
	Zn	66	62	40	7	18.0	-0.000003	**0.0078**	ug/L
	Zn	68	49	43	9	20.2	0.000022	**0.0237**	ug/L
>	Rh	103	674620	451280	10240	2.3	451280.254731		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	66.894

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140478-BLK1

Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 18:47:59
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 150

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\B140478-BLK1.146
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	0	1	173.2	-0.000001	**0.0565**	ug/L
Cr	52	117	88	10	11.4	0.000020	**-0.0026**	ug/L
Cr	53	14	13	4	33.5	0.000008	**0.0482**	ug/L
Fe	54	206	477	29	6.0	0.000745	**10.5751**	ug/L
Fe	56	3758	9097	460	5.1	0.014443	**10.4771**	ug/L
Ni	60	8	4	3	70.5	-0.000003	**0.0204**	ug/L
Ni	62	1	1	1	173.2	-0.000000	**-0.0281**	ug/L
Cu	63	34	16	2	9.4	-0.000014	**0.0101**	ug/L
Cu	65	17	5	2	28.6	-0.000014	**-0.0517**	ug/L
Zn	66	62	104	12	11.2	0.000138	**0.8206**	ug/L
Zn	68	49	68	3	4.2	0.000078	**0.6852**	ug/L
> Rh	103	674620	454564	7331	1.6	454564.208439		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	67.381

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140478-BLK2

Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 18:49:15
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 151

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\B140478-BLK2.147
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	1	1	173.2	-0.000001	**0.0594**	ug/L
Cr	52	117	95	10	10.9	0.000034	**0.0128**	ug/L
Cr	53	14	11	4	33.4	0.000004	**0.0159**	ug/L
Fe	54	206	285	17	6.0	0.000318	**5.1286**	ug/L
Fe	56	3758	5519	75	1.4	0.006498	**5.1866**	ug/L
Ni	60	8	7	4	52.7	0.000002	**0.0378**	ug/L
Ni	62	1	1	1	100.0	0.000000	**-0.0110**	ug/L
Cu	63	34	12	1	9.4	-0.000023	**-0.0039**	ug/L
Cu	65	17	7	2	20.8	-0.000010	**-0.0369**	ug/L
Zn	66	62	258	13	4.8	0.000473	**2.5794**	ug/L
Zn	68	49	186	19	10.3	0.000334	**2.7349**	ug/L
> Rh	103	674620	457462	7428	1.6	457461.988194		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	67.810

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140478-BLK3

Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 18:50:31
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 152

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\B140478-BLK3.148
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	1	0	0.0	0.000000	**0.0626**	ug/L
Cr	52	117	87	4	4.0	0.000017	**-0.0066**	ug/L
Cr	53	14	11	4	36.4	0.000003	**0.0102**	ug/L
Fe	54	206	235	6	2.7	0.000208	**3.7300**	ug/L
Fe	56	3758	3975	145	3.6	0.003108	**2.9292**	ug/L
Ni	60	8	5	3	53.9	-0.000002	**0.0225**	ug/L
Ni	62	1	1	1	173.2	-0.000001	**-0.0294**	ug/L
Cu	63	34	16	6	34.8	-0.000015	**0.0086**	ug/L
Cu	65	17	8	3	34.6	-0.000007	**-0.0294**	ug/L
Zn	66	62	96	6	6.3	0.000119	**0.7180**	ug/L
Zn	68	49	77	16	20.8	0.000095	**0.8179**	ug/L
> Rh	103	674620	458007	12161	2.7	458006.562521		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	67.891

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140478-BLK4

Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 18:51:47
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 153

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\B140478-BLK4.149
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	1	0	0.0	0.000000	**0.0627**	ug/L
Cr	52	117	87	6	6.9	0.000018	**-0.0048**	ug/L
Cr	53	14	11	4	32.8	0.000004	**0.0110**	ug/L
Fe	54	206	156	20	12.8	0.000040	**1.5857**	ug/L
Fe	56	3758	2851	135	4.7	0.000733	**1.3481**	ug/L
Ni	60	8	4	2	50.0	-0.000004	**0.0178**	ug/L
Ni	62	1	1	1	100.0	0.000000	**-0.0112**	ug/L
Cu	63	34	15	6	38.8	-0.000018	**0.0046**	ug/L
Cu	65	17	9	6	63.5	-0.000007	**-0.0264**	ug/L
Zn	66	62	99	5	4.8	0.000128	**0.7675**	ug/L
Zn	68	49	76	11	14.6	0.000095	**0.8207**	ug/L
> Rh	103	674620	452264	4216	0.9	452264.433302		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	67.040

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140478-BS1

Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 18:53:03
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 154

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\B140478-BS1.150
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	6079	79	1.3	0.012875	**54.1913**	ug/L
Cr	52	117	20515	213	1.0	0.043279	**47.2251**	ug/L
Cr	53	14	2756	51	1.9	0.005817	**48.8078**	ug/L
Fe	54	206	538755	5042	0.9	1.140787	**14548.9407**	ug/L
Fe	56	3758	10420636	175665	1.7	22.064895	**14692.8951**	ug/L
Ni	60	8	37	5	14.3	0.000066	**0.2574**	ug/L
Ni	62	1	4	2	41.7	0.000006	**0.1222**	ug/L
Cu	63	34	41792	261	0.6	0.088468	**137.7669**	ug/L
Cu	65	17	18335	62	0.3	0.038810	**133.0465**	ug/L
Zn	66	62	11928	294	2.5	0.025174	**132.3326**	ug/L
Zn	68	49	7663	89	1.2	0.016159	**129.4653**	ug/L
> Rh	103	674620	472137	3849	0.8	472136.747670		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	69.986

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140478-SRM1

Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 18:54:19
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 155

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\B140478-SRM1.151
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	888	38	4.2	0.001956	**8.2859**	ug/L
Cr	52	117	5096	120	2.3	0.011068	**12.0593**	ug/L
Cr	53	14	695	18	2.6	0.001511	**12.6679**	ug/L
Fe	54	206	82627	802	1.0	0.181987	**2321.8561**	ug/L
Fe	56	3758	1578815	8889	0.6	3.477652	**2316.4741**	ug/L
Ni	60	8	1302	23	1.8	0.002860	**9.8917**	ug/L
Ni	62	1	192	19	9.9	0.000421	**10.0536**	ug/L
Cu	63	34	30181	730	2.4	0.066516	**103.5901**	ug/L
Cu	65	17	13823	393	2.8	0.030462	**104.4270**	ug/L
Zn	66	62	30280	637	2.1	0.066697	**350.4555**	ug/L
Zn	68	49	19988	567	2.8	0.044010	**352.5018**	ug/L
> Rh	103	674620	453402	11126	2.5	453401.990468		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	67.209

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140478-SRM2

Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 18:55:35
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 156

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\B140478-SRM2.152
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	6063	374	6.2	0.012956	**54.5352**	ug/L
	Cr	52	117	4314	161	3.7	0.009048	**9.8538**	ug/L
	Cr	53	14	568	38	6.7	0.001194	**10.0000**	ug/L
	Fe	54	206	43061	905	2.1	0.091782	**1171.5249**	ug/L
	Fe	56	3758	819835	20314	2.5	1.747596	**1164.5066**	ug/L
	Ni	60	8	4518	127	2.8	0.009652	**33.3156**	ug/L
	Ni	62	1	627	33	5.3	0.001339	**32.0038**	ug/L
	Cu	63	34	973755	27518	2.8	2.082262	**3241.8895**	ug/L
	Cu	65	17	442642	11785	2.7	0.946565	**3245.0511**	ug/L
	Zn	66	62	82991	1769	2.1	0.177390	**931.9289**	ug/L
	Zn	68	49	54721	1102	2.0	0.116953	**936.6469**	ug/L
>	Rh	103	674620	467877	14671	3.1	467877.261762		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	69.354

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV9

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 18:56:52
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCV9.153
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	5455	13	0.2	0.011153	**4.6954**	ug/L
Cr	52	117	69124	276	0.4	0.141191	**15.4122**	ug/L
Cr	53	14	9079	127	1.4	0.018546	**15.5648**	ug/L
Fe	54	206	106281	790	0.7	0.217042	**276.8898**	ug/L
Fe	56	3758	1983742	10463	0.5	4.051295	**269.8438**	ug/L
Ni	60	8	7217	49	0.7	0.014747	**5.0884**	ug/L
Ni	62	1	1001	12	1.2	0.002045	**4.8883**	ug/L
Cu	63	34	16767	257	1.5	0.034238	**5.3336**	ug/L
Cu	65	17	7563	100	1.3	0.015443	**5.2938**	ug/L
Zn	66	62	5248	33	0.6	0.010640	**5.5987**	ug/L
Zn	68	49	3476	84	2.4	0.007037	**5.6411**	ug/L
> Rh	103	674620	488997	4187	0.9	488996.975632		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	72.485

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB9

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 18:58:09
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCB9.154
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	2	2	100.0	0.000002	**0.0071**	ug/L
	Cr	52	117	95	15	15.4	0.000024	**0.0001**	ug/L
	Cr	53	14	18	2	8.6	0.000016	**0.0118**	ug/L
	Fe	54	206	176	20	11.4	0.000063	**0.1877**	ug/L
	Fe	56	3758	3074	214	7.0	0.000865	**0.1436**	ug/L
	Ni	60	8	8	1	7.5	0.000004	**0.0043**	ug/L
	Ni	62	1	2	1	34.6	0.000002	**0.0020**	ug/L
	Cu	63	34	65	12	17.9	0.000087	**0.0168**	ug/L
	Cu	65	17	25	4	14.2	0.000026	**0.0085**	ug/L
	Zn	66	62	61	16	25.8	0.000037	**0.0286**	ug/L
	Zn	68	49	39	4	9.6	0.000010	**0.0141**	ug/L
>	Rh	103	674620	477367	13897	2.9	477366.572897		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	70.761

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-01
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 18:59:26
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 157

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-01.155
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	105	5	4.3	0.000229	**1.0236**	ug/L
Cr	52	117	3686	43	1.2	0.007906	**8.6065**	ug/L
Cr	53	14	497	12	2.3	0.001068	**8.9450**	ug/L
Fe	54	206	7396	202	2.7	0.015907	**203.9332**	ug/L
Fe	56	3758	168790	4283	2.5	0.364391	**243.4918**	ug/L
Ni	60	8	2652	21	0.8	0.005802	**20.0378**	ug/L
Ni	62	1	52	8	14.5	0.000112	**2.6512**	ug/L
Cu	63	34	863	44	5.0	0.001843	**2.9012**	ug/L
Cu	65	17	738	53	7.1	0.001590	**5.4472**	ug/L
Zn	66	62	2051	5	0.2	0.004406	**23.2389**	ug/L
Zn	68	49	1399	26	1.9	0.002996	**24.0548**	ug/L
> Rh	103	674620	456354	14061	3.1	456353.844154		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	67.646

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140478-DUP1

Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:00:42
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 158

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\B140478-DUP1.156
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	85	8	9.6	0.000181	**0.8233**	ug/L
Cr	52	117	3920	29	0.7	0.008324	**9.0628**	ug/L
Cr	53	14	509	23	4.6	0.001083	**9.0708**	ug/L
Fe	54	206	5783	93	1.6	0.012233	**157.0764**	ug/L
Fe	56	3758	133094	686	0.5	0.282911	**189.2380**	ug/L
Ni	60	8	2405	31	1.3	0.005200	**17.9618**	ug/L
Ni	62	1	51	8	16.3	0.000110	**2.6023**	ug/L
Cu	63	34	1052	41	3.9	0.002231	**3.5048**	ug/L
Cu	65	17	796	9	1.2	0.001699	**5.8219**	ug/L
Zn	66	62	2013	15	0.8	0.004270	**22.5252**	ug/L
Zn	68	49	1338	26	1.9	0.002828	**22.7064**	ug/L
> Rh	103	674620	461716	15745	3.4	461716.045594		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	68.441

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140478-MS1

Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:01:58
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 159

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\B140478-MS1.157
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	6658	246	3.7	0.014571	**61.3247**	ug/L
Cr	52	117	23250	508	2.2	0.050723	**55.3527**	ug/L
Cr	53	14	3005	118	3.9	0.006557	**55.0198**	ug/L
Fe	54	206	528963	12157	2.3	1.157615	**14763.5373**	ug/L
Fe	56	3758	10350653	243687	2.4	22.651966	**15083.7998**	ug/L
Ni	60	8	2953	70	2.4	0.006452	**22.2787**	ug/L
Ni	62	1	59	8	14.2	0.000127	**3.0086**	ug/L
Cu	63	34	42417	681	1.6	0.092806	**144.5204**	ug/L
Cu	65	17	19437	458	2.4	0.042520	**145.7658**	ug/L
Zn	66	62	14152	266	1.9	0.030888	**162.3483**	ug/L
Zn	68	49	9297	76	0.8	0.020282	**162.4857**	ug/L
> Rh	103	674620	456804	5098	1.1	456804.471681		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	67.713

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140478-MSD1

Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:03:14
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 160

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\B140478-MSD1.158
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	6601	211	3.2	0.014353	**60.4088**	ug/L
Cr	52	117	23971	258	1.1	0.051969	**56.7131**	ug/L
Cr	53	14	3202	25	0.8	0.006945	**58.2776**	ug/L
Fe	54	206	528047	8583	1.6	1.148239	**14643.9643**	ug/L
Fe	56	3758	10374498	150953	1.5	22.560189	**15022.6895**	ug/L
Ni	60	8	3619	120	3.3	0.007858	**27.1284**	ug/L
Ni	62	1	57	4	6.3	0.000122	**2.9032**	ug/L
Cu	63	34	42347	721	1.7	0.092057	**143.3544**	ug/L
Cu	65	17	19417	361	1.9	0.042208	**144.6959**	ug/L
Zn	66	62	14017	276	2.0	0.030395	**159.7594**	ug/L
Zn	68	49	9207	60	0.6	0.019957	**159.8769**	ug/L
> Rh	103	674620	459756	7623	1.7	459755.556538		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	68.150

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-02
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:04:30
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 201

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-02.159
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	47	10	20.5	0.000103	**0.4963**	ug/L
Cr	52	117	1323	38	2.9	0.002771	**2.9999**	ug/L
Cr	53	14	172	7	4.1	0.000361	**3.0144**	ug/L
Fe	54	206	3559	123	3.5	0.007617	**98.2058**	ug/L
Fe	56	3758	81186	3322	4.1	0.175131	**117.4715**	ug/L
Ni	60	8	1346	25	1.9	0.002983	**10.3153**	ug/L
Ni	62	1	28	2	6.2	0.000060	**1.4260**	ug/L
Cu	63	34	1102	53	4.8	0.002402	**3.7711**	ug/L
Cu	65	17	662	13	2.0	0.001448	**4.9591**	ug/L
Zn	66	62	1284	25	1.9	0.002766	**14.6229**	ug/L
Zn	68	49	872	6	0.7	0.001869	**15.0246**	ug/L
> Rh	103	674620	449321	2298	0.5	449320.970608		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	66.604

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-03
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:05:46
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 202

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-03.160
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	83	11	12.8	0.000181	**0.8248**	ug/L
Cr	52	117	1116	41	3.7	0.002298	**2.4843**	ug/L
Cr	53	14	149	2	1.5	0.000310	**2.5817**	ug/L
Fe	54	206	3499	108	3.1	0.007443	**95.9962**	ug/L
Fe	56	3758	80587	1054	1.3	0.172816	**115.9307**	ug/L
Ni	60	8	1599	36	2.2	0.003527	**12.1937**	ug/L
Ni	62	1	58	5	7.7	0.000127	**3.0280**	ug/L
Cu	63	34	1063	50	4.7	0.002303	**3.6177**	ug/L
Cu	65	17	668	20	3.0	0.001454	**4.9798**	ug/L
Zn	66	62	2439	50	2.1	0.005309	**27.9826**	ug/L
Zn	68	49	1617	7	0.4	0.003507	**28.1448**	ug/L
> Rh	103	674620	452129	14688	3.2	452128.664537		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	67.020

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-04
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:07:02
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 203

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-04.161
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	60	7	11.7	0.000137	**0.6368**	ug/L
Cr	52	117	1414	38	2.7	0.003130	**3.3923**	ug/L
Cr	53	14	198	19	9.8	0.000438	**3.6581**	ug/L
Fe	54	206	3841	117	3.0	0.008663	**111.5488**	ug/L
Fe	56	3758	82911	3271	3.9	0.187645	**125.8046**	ug/L
Ni	60	8	1349	100	7.4	0.003121	**10.7913**	ug/L
Ni	62	1	78	10	12.5	0.000178	**4.2293**	ug/L
Cu	63	34	702	53	7.5	0.001581	**2.4934**	ug/L
Cu	65	17	424	36	8.4	0.000959	**3.2830**	ug/L
Zn	66	62	1797	54	3.0	0.004101	**21.6357**	ug/L
Zn	68	49	1138	13	1.2	0.002591	**20.8085**	ug/L
> Rh	103	674620	433448	60062	13.9	433447.773117		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	64.251

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-05
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:08:18
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 204

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-05.162
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	110	5	4.2	0.000248	**1.1037**	ug/L
Cr	52	117	3978	76	1.9	0.008859	**9.6469**	ug/L
Cr	53	14	519	15	2.8	0.001157	**9.6933**	ug/L
Fe	54	206	7458	127	1.7	0.016633	**213.1808**	ug/L
Fe	56	3758	169705	1378	0.8	0.379855	**253.7885**	ug/L
Ni	60	8	2647	55	2.1	0.006000	**20.7189**	ug/L
Ni	62	1	66	8	11.3	0.000149	**3.5365**	ug/L
Cu	63	34	1617	23	1.4	0.003623	**5.6729**	ug/L
Cu	65	17	1113	10	0.9	0.002502	**8.5721**	ug/L
Zn	66	62	2431	33	1.4	0.005429	**28.6097**	ug/L
Zn	68	49	1643	29	1.8	0.003660	**29.3711**	ug/L
> Rh	103	674620	440331	3387	0.8	440330.924403		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	65.271

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-06
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:09:34
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 205

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-06.163
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	129	11	8.2	0.000290	**1.2790**	ug/L
	Cr	52	117	1699	28	1.6	0.003678	**3.9903**	ug/L
	Cr	53	14	226	4	1.8	0.000492	**4.1072**	ug/L
	Fe	54	206	9037	361	4.0	0.020174	**258.3476**	ug/L
	Fe	56	3758	205335	8276	4.0	0.459750	**306.9872**	ug/L
	Ni	60	8	2969	19	0.6	0.006718	**23.1968**	ug/L
	Ni	62	1	53	7	13.2	0.000119	**2.8309**	ug/L
	Cu	63	34	1247	53	4.3	0.002777	**4.3553**	ug/L
	Cu	65	17	957	31	3.2	0.002143	**7.3414**	ug/L
	Zn	66	62	1218	49	4.0	0.002668	**14.1100**	ug/L
	Zn	68	49	760	29	3.8	0.001650	**13.2748**	ug/L
>	Rh	103	674620	441167	6877	1.6	441166.567083		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	65.395

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVA

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 19:10:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCVA.164
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	5381	89	1.7	0.011164	**4.6998**	ug/L
Cr	52	117	67239	150	0.2	0.139305	**15.2063**	ug/L
Cr	53	14	8821	125	1.4	0.018279	**15.3401**	ug/L
Fe	54	206	103553	1074	1.0	0.214525	**273.6803**	ug/L
Fe	56	3758	1935713	17190	0.9	4.010114	**267.1017**	ug/L
Ni	60	8	7127	121	1.7	0.014769	**5.0960**	ug/L
Ni	62	1	1005	14	1.4	0.002083	**4.9790**	ug/L
Cu	63	34	16331	103	0.6	0.033829	**5.2700**	ug/L
Cu	65	17	7420	38	0.5	0.015366	**5.2675**	ug/L
Zn	66	62	5066	19	0.4	0.010417	**5.4815**	ug/L
Zn	68	49	3389	32	0.9	0.006957	**5.5773**	ug/L
> Rh	103	674620	482329	13291	2.8	482328.571037		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	71.496

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBA

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 19:12:08
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCBA.165
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	3	1	21.7	0.000004	**0.0077**	ug/L
Cr	52	117	94	11	11.3	0.000027	**0.0005**	ug/L
Cr	53	14	13	5	37.0	0.000008	**0.0049**	ug/L
Fe	54	206	138	7	5.1	-0.000010	**0.0952**	ug/L
Fe	56	3758	2662	314	11.8	0.000128	**0.0945**	ug/L
Ni	60	8	6	2	33.3	0.000000	**0.0031**	ug/L
Ni	62	1	0	1	173.2	-0.000001	**-0.0046**	ug/L
Cu	63	34	42	5	11.7	0.000041	**0.0095**	ug/L
Cu	65	17	19	1	3.0	0.000016	**0.0050**	ug/L
Zn	66	62	56	1	1.0	0.000028	**0.0240**	ug/L
Zn	68	49	41	8	18.4	0.000016	**0.0184**	ug/L
> Rh	103	674620	466641	14599	3.1	466640.668481		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	69.171

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-07
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:13:26
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 206

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-07.166
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	93	5	4.9	0.000212	**0.9531**	ug/L
	Cr	52	117	911	60	6.6	0.001930	**2.0827**	ug/L
	Cr	53	14	109	11	9.7	0.000232	**1.9280**	ug/L
	Fe	54	206	10299	291	2.8	0.023483	**300.5362**	ug/L
	Fe	56	3758	213539	3610	1.7	0.487579	**325.5172**	ug/L
	Ni	60	8	1686	58	3.4	0.003881	**13.4129**	ug/L
	Ni	62	1	52	3	6.1	0.000119	**2.8235**	ug/L
	Cu	63	34	1106	14	1.3	0.002505	**3.9319**	ug/L
	Cu	65	17	711	23	3.2	0.001617	**5.5383**	ug/L
	Zn	66	62	2494	138	5.5	0.005671	**29.8817**	ug/L
	Zn	68	49	1634	34	2.1	0.003702	**29.7052**	ug/L
>	Rh	103	674620	433162	6992	1.6	433161.807783		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	64.208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-08
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:14:41
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 207

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-08.167
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	71	2	2.2	0.000161	**0.7375**	ug/L
	Cr	52	117	1141	32	2.8	0.002451	**2.6514**	ug/L
	Cr	53	14	152	18	12.0	0.000328	**2.7340**	ug/L
	Fe	54	206	8008	97	1.2	0.018129	**232.2597**	ug/L
	Fe	56	3758	165395	4291	2.6	0.375102	**250.6239**	ug/L
	Ni	60	8	1210	28	2.3	0.002773	**9.5936**	ug/L
	Ni	62	1	46	2	4.6	0.000103	**2.4494**	ug/L
	Cu	63	34	927	20	2.2	0.002085	**3.2779**	ug/L
	Cu	65	17	552	19	3.5	0.001245	**4.2642**	ug/L
	Zn	66	62	845	2	0.3	0.001855	**9.8361**	ug/L
	Zn	68	49	563	34	6.1	0.001223	**9.8540**	ug/L
>	Rh	103	674620	434479	7365	1.7	434479.350640		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	64.404

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-09
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:15:57
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 208

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-09.168
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	4365	125	2.9	0.009523	**40.0998**	ug/L
	Cr	52	117	9992	322	3.2	0.021623	**23.5819**	ug/L
	Cr	53	14	1324	12	0.9	0.002868	**24.0533**	ug/L
	Fe	54	206	211616	2916	1.4	0.461398	**5885.0477**	ug/L
	Fe	56	3758	4234708	80333	1.9	9.233206	**6148.8428**	ug/L
	Ni	60	8	7760	205	2.6	0.016918	**58.3692**	ug/L
	Ni	62	1	595	31	5.2	0.001296	**30.9677**	ug/L
	Cu	63	34	3193	149	4.7	0.006915	**10.7984**	ug/L
	Cu	65	17	2192	12	0.5	0.004758	**16.3065**	ug/L
	Zn	66	62	3393	100	3.0	0.007308	**38.4804**	ug/L
	Zn	68	49	2223	21	1.0	0.004778	**38.3223**	ug/L
>	Rh	103	674620	458529	12512	2.7	458528.536901		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	67.968

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-10
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:17:13
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 209

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-10.169
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	2510	49	1.9	0.005570	**23.4793**	ug/L
	Cr	52	117	6302	152	2.4	0.013820	**15.0631**	ug/L
	Cr	53	14	811	45	5.6	0.001779	**14.9158**	ug/L
	Fe	54	206	109524	1030	0.9	0.242885	**3098.4633**	ug/L
	Fe	56	3758	2164967	19326	0.9	4.801602	**3198.0338**	ug/L
	Ni	60	8	3870	78	2.0	0.008579	**29.6128**	ug/L
	Ni	62	1	348	27	7.8	0.000770	**18.3882**	ug/L
	Cu	63	34	2166	39	1.8	0.004759	**7.4411**	ug/L
	Cu	65	17	1331	23	1.7	0.002932	**10.0469**	ug/L
	Zn	66	62	2252	44	1.9	0.004912	**25.8952**	ug/L
	Zn	68	49	1479	53	3.6	0.003211	**25.7702**	ug/L
>	Rh	103	674620	450563	12582	2.8	450563.118943		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	66.788

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-11
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:18:29
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 210

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-11.170
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	4015	121	3.0	0.008237	**34.6921**	ug/L
Cr	52	117	3721	118	3.2	0.007467	**8.1270**	ug/L
Cr	53	14	488	18	3.7	0.000981	**8.2133**	ug/L
Fe	54	206	62585	682	1.1	0.128161	**1635.4455**	ug/L
Fe	56	3758	1238811	9339	0.8	2.537269	**1690.3150**	ug/L
Ni	60	8	4725	19	0.4	0.009686	**33.4318**	ug/L
Ni	62	1	255	21	8.2	0.000523	**12.4813**	ug/L
Cu	63	34	1554	44	2.8	0.003139	**4.9189**	ug/L
Cu	65	17	1265	70	5.5	0.002570	**8.8069**	ug/L
Zn	66	62	2318	61	2.6	0.004667	**24.6070**	ug/L
Zn	68	49	1814	21	1.2	0.003652	**29.3063**	ug/L
> Rh	103	674620	487361	10693	2.2	487361.159131		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	72.242

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140478-DUP2

Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:19:45
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 211

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\B140478-DUP2.171
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	2833	92	3.2	0.005836	**24.6003**	ug/L
Cr	52	117	2625	107	4.1	0.005237	**5.6930**	ug/L
Cr	53	14	345	35	10.1	0.000691	**5.7798**	ug/L
Fe	54	206	40449	533	1.3	0.083085	**1060.6171**	ug/L
Fe	56	3758	797262	10265	1.3	1.638113	**1091.6067**	ug/L
Ni	60	8	2238	18	0.8	0.004601	**15.8956**	ug/L
Ni	62	1	175	6	3.4	0.000359	**8.5685**	ug/L
Cu	63	34	1263	18	1.4	0.002554	**4.0081**	ug/L
Cu	65	17	751	49	6.5	0.001523	**5.2182**	ug/L
Zn	66	62	1642	60	3.7	0.003296	**17.4056**	ug/L
Zn	68	49	1330	60	4.5	0.002673	**21.4639**	ug/L
> Rh	103	674620	485176	11819	2.4	485176.348679		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	71.918

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140478-MS2

Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:21:01
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 212

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\B140478-MS2.172
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	10238	232	2.3	0.020774	**87.4026**	ug/L
	Cr	52	117	24672	77	0.3	0.049877	**54.4284**	ug/L
	Cr	53	14	3236	94	2.9	0.006543	**54.8994**	ug/L
	Fe	54	206	575653	7668	1.3	1.167711	**14892.2932**	ug/L
	Fe	56	3758	11391038	133100	1.2	23.104896	**15385.3859**	ug/L
	Ni	60	8	8089	84	1.0	0.016399	**56.5817**	ug/L
	Ni	62	1	340	20	5.8	0.000687	**16.4195**	ug/L
	Cu	63	34	42255	384	0.9	0.085684	**133.4330**	ug/L
	Cu	65	17	20417	222	1.1	0.041400	**141.9261**	ug/L
	Zn	66	62	13254	210	1.6	0.026804	**140.8953**	ug/L
	Zn	68	49	9194	89	1.0	0.018583	**148.8765**	ug/L
>	Rh	103	674620	493188	13716	2.8	493188.307947		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	73.106

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140478-MSD2

Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:22:17
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 213

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\B140478-MSD2.173
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	9635	309	3.2	0.019339	**81.3708**	ug/L
Cr	52	117	21808	570	2.6	0.043602	**47.5784**	ug/L
Cr	53	14	2847	21	0.7	0.005697	**47.7959**	ug/L
Fe	54	206	553985	14737	2.7	1.111751	**14178.6536**	ug/L
Fe	56	3758	10863896	312786	2.9	21.800645	**14516.9428**	ug/L
Ni	60	8	2593	62	2.4	0.005193	**17.9385**	ug/L
Ni	62	1	262	9	3.3	0.000523	**12.4935**	ug/L
Cu	63	34	42708	1032	2.4	0.085679	**133.4251**	ug/L
Cu	65	17	19460	380	2.0	0.039042	**133.8412**	ug/L
Zn	66	62	13729	259	1.9	0.027470	**144.3961**	ug/L
Zn	68	49	9195	96	1.0	0.018389	**147.3196**	ug/L
> Rh	103	674620	498168	11516	2.3	498167.542659		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	73.844

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVB

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 19:23:34
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCVB.174
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	5461	145	2.7	0.011268	**4.7437**	ug/L
	Cr	52	117	66998	762	1.1	0.138143	**15.0794**	ug/L
	Cr	53	14	8936	29	0.3	0.018429	**15.4661**	ug/L
	Fe	54	206	104454	1402	1.3	0.215320	**274.6934**	ug/L
	Fe	56	3758	1940092	30091	1.6	3.999727	**266.4101**	ug/L
	Ni	60	8	7240	151	2.1	0.014929	**5.1512**	ug/L
	Ni	62	1	1033	9	0.8	0.002131	**5.0931**	ug/L
	Cu	63	34	16420	338	2.1	0.033840	**5.2717**	ug/L
	Cu	65	17	7433	54	0.7	0.015318	**5.2511**	ug/L
	Zn	66	62	5138	57	1.1	0.010515	**5.5329**	ug/L
	Zn	68	49	3239	122	3.8	0.006612	**5.3009**	ug/L
>	Rh	103	674620	484554	10876	2.2	484553.699504		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	71.826

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBB

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 19:24:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCBB.175
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	3	2	86.6	0.000004	**0.0078**	ug/L
	Cr	52	117	100	24	24.4	0.000048	**0.0027**	ug/L
	Cr	53	14	13	3	25.4	0.000007	**0.0041**	ug/L
	Fe	54	206	272	18	6.6	0.000296	**0.4852**	ug/L
	Fe	56	3758	5009	473	9.5	0.005495	**0.4519**	ug/L
	Ni	60	8	4	3	68.6	-0.000004	**0.0015**	ug/L
	Ni	62	1	0	0		-0.000002	**-0.0064**	ug/L
	Cu	63	34	41	6	13.3	0.000041	**0.0096**	ug/L
	Cu	65	17	22	3	11.3	0.000024	**0.0077**	ug/L
	Zn	66	62	54	7	12.4	0.000027	**0.0236**	ug/L
	Zn	68	49	53	1	2.2	0.000044	**0.0412**	ug/L
>	Rh	103	674620	453411	10876	2.4	453410.550316		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	67.210

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-12
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:26:08
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 214

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-12.176
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	2863	77	2.7	0.006250	**26.3405**	ug/L
	Cr	52	117	2155	88	4.1	0.004533	**4.9238**	ug/L
	Cr	53	14	299	18	6.1	0.000632	**5.2835**	ug/L
	Fe	54	206	37909	1103	2.9	0.082487	**1052.9878**	ug/L
	Fe	56	3758	737780	20403	2.8	1.605730	**1070.0444**	ug/L
	Ni	60	8	1980	146	7.4	0.004309	**14.8895**	ug/L
	Ni	62	1	165	10	6.0	0.000358	**8.5505**	ug/L
	Cu	63	34	1089	49	4.5	0.002329	**3.6577**	ug/L
	Cu	65	17	634	35	5.4	0.001360	**4.6569**	ug/L
	Zn	66	62	1660	66	4.0	0.003534	**18.6581**	ug/L
	Zn	68	49	1081	40	3.7	0.002289	**18.3936**	ug/L
>	Rh	103	674620	457824	6261	1.4	457823.652670		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	67.864

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-13
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:27:24
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 215

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-13.177
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	6079	20	0.3	0.012419	**52.2758**	ug/L
Cr	52	117	15995	71	0.4	0.032507	**35.4651**	ug/L
Cr	53	14	2085	38	1.8	0.004239	**35.5573**	ug/L
Fe	54	206	356641	4998	1.4	0.728365	**9289.5302**	ug/L
Fe	56	3758	7220233	66452	0.9	14.746678	**9820.0190**	ug/L
Ni	60	8	16641	77	0.5	0.033988	**117.2338**	ug/L
Ni	62	1	1087	13	1.2	0.002218	**53.0255**	ug/L
Cu	63	34	5275	75	1.4	0.010727	**16.7321**	ug/L
Cu	65	17	4541	22	0.5	0.009252	**31.7158**	ug/L
Zn	66	62	3354	34	1.0	0.006762	**35.6136**	ug/L
Zn	68	49	2438	27	1.1	0.004910	**39.3817**	ug/L
> Rh	103	674620	489476	6144	1.3	489476.106953		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	72.556

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-14
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:28:39
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 216

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-14.178
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	2420	54	2.2	0.005417	**22.8358**	ug/L
Cr	52	117	3611	30	0.8	0.007914	**8.6152**	ug/L
Cr	53	14	488	27	5.6	0.001073	**8.9873**	ug/L
Fe	54	206	56704	1301	2.3	0.126680	**1616.5607**	ug/L
Fe	56	3758	1118086	21114	1.9	2.498359	**1664.4062**	ug/L
Ni	60	8	4026	100	2.5	0.009003	**31.0778**	ug/L
Ni	62	1	192	13	6.7	0.000429	**10.2343**	ug/L
Cu	63	34	1371	36	2.6	0.003020	**4.7339**	ug/L
Cu	65	17	1098	21	1.9	0.002433	**8.3359**	ug/L
Zn	66	62	1570	5	0.3	0.003426	**18.0890**	ug/L
Zn	68	49	1011	9	0.8	0.002193	**17.6208**	ug/L
> Rh	103	674620	446519	1353	0.3	446519.072577		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	66.188

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-15
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:29:55
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 217

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-15.179
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	1770	52	2.9	0.004044	**17.0624**	ug/L
Cr	52	117	2258	62	2.8	0.004990	**5.4226**	ug/L
Cr	53	14	295	13	4.5	0.000653	**5.4662**	ug/L
Fe	54	206	34928	512	1.5	0.079517	**1015.1113**	ug/L
Fe	56	3758	680967	19110	2.8	1.550389	**1033.1951**	ug/L
Ni	60	8	1946	43	2.2	0.004435	**15.3230**	ug/L
Ni	62	1	133	10	7.2	0.000301	**7.1829**	ug/L
Cu	63	34	924	43	4.7	0.002061	**3.2404**	ug/L
Cu	65	17	614	26	4.2	0.001377	**4.7175**	ug/L
Zn	66	62	1668	19	1.1	0.003722	**19.6453**	ug/L
Zn	68	49	1111	32	2.9	0.002469	**19.8301**	ug/L
> Rh	103	674620	437621	8896	2.0	437620.969335		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	64.869

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-16
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:31:11
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 218

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-16.180
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	1856	54	2.9	0.004229	**17.8413**	ug/L
Cr	52	117	3539	167	4.7	0.007892	**8.5919**	ug/L
Cr	53	14	476	28	5.9	0.001065	**8.9195**	ug/L
Fe	54	206	72950	2552	3.5	0.165988	**2117.8316**	ug/L
Fe	56	3758	1400337	52375	3.7	3.186440	**2122.5688**	ug/L
Ni	60	8	3778	108	2.9	0.008599	**29.6843**	ug/L
Ni	62	1	480	9	2.0	0.001093	**26.1199**	ug/L
Cu	63	34	1770	39	2.2	0.003986	**6.2369**	ug/L
Cu	65	17	886	15	1.7	0.001994	**6.8308**	ug/L
Zn	66	62	2161	66	3.1	0.004835	**25.4903**	ug/L
Zn	68	49	1464	64	4.4	0.003264	**26.2016**	ug/L
> Rh	103	674620	438628	4324	1.0	438628.424926		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	65.019

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-17
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:32:27
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 219

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-17.181
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	2938	62	2.1	0.006540	**27.5579**	ug/L
Cr	52	117	3313	26	0.8	0.007203	**7.8397**	ug/L
Cr	53	14	426	10	2.4	0.000928	**7.7682**	ug/L
Fe	54	206	140659	1028	0.7	0.312901	**3991.3420**	ug/L
Fe	56	3758	2753465	29528	1.1	6.125602	**4079.6264**	ug/L
Ni	60	8	2612	77	2.9	0.005804	**20.0445**	ug/L
Ni	62	1	330	31	9.3	0.000734	**17.5405**	ug/L
Cu	63	34	2983	85	2.9	0.006592	**10.2942**	ug/L
Cu	65	17	1402	7	0.5	0.003096	**10.6109**	ug/L
Zn	66	62	2962	62	2.1	0.006505	**34.2626**	ug/L
Zn	68	49	1867	75	4.0	0.004085	**32.7757**	ug/L
> Rh	103	674620	449213	7711	1.7	449213.006001		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	66.588

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-18
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:33:43
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 220

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-18.182
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	1247	59	4.7	0.002791	**11.7977**	ug/L
Cr	52	117	736	23	3.1	0.001476	**1.5869**	ug/L
Cr	53	14	100	2	2.1	0.000204	**1.6948**	ug/L
Fe	54	206	15780	368	2.3	0.035049	**448.0355**	ug/L
Fe	56	3758	302859	7869	2.6	0.672924	**448.9303**	ug/L
Ni	60	8	769	22	2.8	0.001711	**5.9319**	ug/L
Ni	62	1	73	6	8.3	0.000162	**3.8472**	ug/L
Cu	63	34	675	35	5.2	0.001462	**2.3078**	ug/L
Cu	65	17	357	9	2.6	0.000775	**2.6542**	ug/L
Zn	66	62	1209	20	1.6	0.002618	**13.8437**	ug/L
Zn	68	49	808	23	2.9	0.001739	**13.9887**	ug/L
> Rh	103	674620	446401	13252	3.0	446401.073616		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	66.171

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-19
Sample Description: 10x
Batch ID: B140478

Sample Date/Time: Friday, March 28, 2014 19:34:59
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 221

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\1411043-19.183
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
V	51	1	11811	176	1.5	0.025515	**107.3366**	ug/L
Cr	52	117	23618	294	1.2	0.050848	**55.4892**	ug/L
Cr	53	14	3144	75	2.4	0.006771	**56.8100**	ug/L
Fe	54	206	565102	7105	1.3	1.220472	**15565.1244**	ug/L
Fe	56	3758	11274726	46267	0.4	24.351627	**16215.5288**	ug/L
Ni	60	8	21170	257	1.2	0.045722	**157.6976**	ug/L
Ni	62	1	1936	28	1.4	0.004181	**99.9505**	ug/L
Cu	63	34	6497	136	2.1	0.013985	**21.8054**	ug/L
Cu	65	17	4920	107	2.2	0.010604	**36.3498**	ug/L
Zn	66	62	3672	37	1.0	0.007841	**41.2851**	ug/L
Zn	68	49	2258	46	2.0	0.004805	**38.5423**	ug/L
> Rh	103	674620	462893	2382	0.5	462892.778769		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V	51	
Cr	52	
Cr	53	
Fe	54	
Fe	56	
Ni	60	
Ni	62	
Cu	63	
Cu	65	
Zn	66	
Zn	68	
> Rh	103	68.615

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVC

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 19:36:17
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCVC.184
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	5057	166	3.3	0.010980	**4.6228**	ug/L
	Cr	52	117	64053	1217	1.9	0.138938	**15.1662**	ug/L
	Cr	53	14	8404	221	2.6	0.018230	**15.2990**	ug/L
	Fe	54	206	98700	1147	1.2	0.214066	**273.0949**	ug/L
	Fe	56	3758	1819650	35439	1.9	3.946492	**262.8654**	ug/L
	Ni	60	8	6758	101	1.5	0.014665	**5.0601**	ug/L
	Ni	62	1	971	14	1.5	0.002108	**5.0396**	ug/L
	Cu	63	34	15201	334	2.2	0.032963	**5.1351**	ug/L
	Cu	65	17	6813	179	2.6	0.014769	**5.0627**	ug/L
	Zn	66	62	4823	80	1.7	0.010383	**5.4636**	ug/L
	Zn	68	49	3088	61	2.0	0.006636	**5.3199**	ug/L
>	Rh	103	674620	460467	8987	2.0	460466.662045		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	68.256

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBC

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 19:37:33
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCBC.185
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	3	2	62.4	0.000005	**0.0084**	ug/L
	Cr	52	117	101	10	10.3	0.000047	**0.0027**	ug/L
	Cr	53	14	15	4	22.9	0.000013	**0.0090**	ug/L
	Fe	54	206	255	14	5.6	0.000255	**0.4327**	ug/L
	Fe	56	3758	4520	360	8.0	0.004378	**0.3775**	ug/L
	Ni	60	8	7	3	37.8	0.000003	**0.0041**	ug/L
	Ni	62	1	2	1	34.6	0.000002	**0.0024**	ug/L
	Cu	63	34	45	5	10.9	0.000050	**0.0109**	ug/L
	Cu	65	17	19	3	13.5	0.000015	**0.0049**	ug/L
	Zn	66	62	48	6	11.4	0.000015	**0.0171**	ug/L
	Zn	68	49	43	11	26.3	0.000022	**0.0233**	ug/L
>	Rh	103	674620	454709	5663	1.2	454709.471228		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	67.402

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVD

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 19:46:28
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCVD.192
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	5632	110	2.0	0.011291	**4.7534**	ug/L
	Cr	52	117	67330	278	0.4	0.134849	**14.7198**	ug/L
	Cr	53	14	8848	148	1.7	0.017726	**14.8765**	ug/L
	Fe	54	206	105779	747	0.7	0.211828	**270.2408**	ug/L
	Fe	56	3758	1970300	16722	0.8	3.945555	**262.8030**	ug/L
	Ni	60	8	7282	49	0.7	0.014593	**5.0352**	ug/L
	Ni	62	1	1051	9	0.8	0.002107	**5.0353**	ug/L
	Cu	63	34	16778	158	0.9	0.033600	**5.2344**	ug/L
	Cu	65	17	7655	205	2.7	0.015322	**5.2524**	ug/L
	Zn	66	62	5136	56	1.1	0.010208	**5.3714**	ug/L
	Zn	68	49	3421	38	1.1	0.006790	**5.4435**	ug/L
>	Rh	103	674620	498755	9393	1.9	498754.970851		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	73.931

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBD

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 19:47:44
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCBD.193
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	5	2	39.0	0.000009	**0.0100**	ug/L
	Cr	52	117	115	24	20.5	0.000069	**0.0050**	ug/L
	Cr	53	14	16	1	3.7	0.000012	**0.0085**	ug/L
	Fe	54	206	458	48	10.4	0.000659	**0.9482**	ug/L
	Fe	56	3758	8463	948	11.2	0.012259	**0.9023**	ug/L
	Ni	60	8	6	3	53.9	-0.000001	**0.0028**	ug/L
	Ni	62	1	3	2	57.7	0.000004	**0.0089**	ug/L
	Cu	63	34	88	16	18.5	0.000135	**0.0242**	ug/L
	Cu	65	17	43	8	19.2	0.000066	**0.0222**	ug/L
	Zn	66	62	67	10	14.3	0.000049	**0.0350**	ug/L
	Zn	68	49	57	4	7.1	0.000048	**0.0441**	ug/L
>	Rh	103	674620	474117	16041	3.4	474116.804367		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	70.279

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVE

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 20:00:26
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCVE.203
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	5398	168	3.1	0.011280	**4.7487**	ug/L
	Cr	52	117	65324	1283	2.0	0.136370	**14.8859**	ug/L
	Cr	53	14	8563	244	2.9	0.017880	**15.0054**	ug/L
	Fe	54	206	102293	1983	1.9	0.213519	**272.3971**	ug/L
	Fe	56	3758	1919301	25214	1.3	4.006386	**266.8535**	ug/L
	Ni	60	8	7071	120	1.7	0.014769	**5.0961**	ug/L
	Ni	62	1	1006	19	1.8	0.002101	**5.0226**	ug/L
	Cu	63	34	16029	361	2.3	0.033448	**5.2107**	ug/L
	Cu	65	17	7314	10	0.1	0.015265	**5.2329**	ug/L
	Zn	66	62	4983	39	0.8	0.010325	**5.4333**	ug/L
	Zn	68	49	3267	68	2.1	0.006756	**5.4166**	ug/L
>	Rh	103	674620	478540	12477	2.6	478539.978309		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	70.935

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBE

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 20:01:43
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCBE.204
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	2	2	65.5	0.000003	**0.0075**	ug/L
	Cr	52	117	95	5	5.4	0.000043	**0.0022**	ug/L
	Cr	53	14	15	6	37.7	0.000014	**0.0097**	ug/L
	Fe	54	206	147	19	12.6	0.000029	**0.1443**	ug/L
	Fe	56	3758	2771	392	14.1	0.000713	**0.1335**	ug/L
	Ni	60	8	8	2	27.7	0.000006	**0.0052**	ug/L
	Ni	62	1	1	0	0.0	0.000000	**-0.0009**	ug/L
	Cu	63	34	37	13	34.0	0.000034	**0.0085**	ug/L
	Cu	65	17	18	3	17.3	0.000015	**0.0046**	ug/L
	Zn	66	62	49	11	22.3	0.000020	**0.0201**	ug/L
	Zn	68	49	42	3	6.3	0.000023	**0.0247**	ug/L
>	Rh	103	674620	440179	19473	4.4	440179.043692		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	65.248

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVF

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 20:10:37
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCVF.211
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	5271	43	0.8	0.011225	**4.7255**	ug/L
	Cr	52	117	65078	756	1.2	0.138446	**15.1126**	ug/L
	Cr	53	14	8480	135	1.6	0.018041	**15.1407**	ug/L
	Fe	54	206	101677	1234	1.2	0.216272	**275.9075**	ug/L
	Fe	56	3758	1881266	28640	1.5	4.001654	**266.5384**	ug/L
	Ni	60	8	6965	69	1.0	0.014823	**5.1146**	ug/L
	Ni	62	1	1020	55	5.4	0.002170	**5.1862**	ug/L
	Cu	63	34	15907	172	1.1	0.033833	**5.2706**	ug/L
	Cu	65	17	7201	110	1.5	0.015313	**5.2494**	ug/L
	Zn	66	62	4960	37	0.7	0.010474	**5.5116**	ug/L
	Zn	68	49	3201	62	1.9	0.006745	**5.4076**	ug/L
>	Rh	103	674620	469460	2716	0.6	469460.431347		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	69.589

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBF

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 28, 2014 20:11:54
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2014\03-14\1400260.sam
Method File: C:\Elandata\Method\2014\03-14\1400260-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-CCBF.212
Calibration File: C:\Elandata\System\2014\03-14\1400260.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400260\SEQ-ICB1.069

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	V	51	1	2	1	49.5	0.000003	**0.0075**	ug/L
	Cr	52	117	111	34	30.7	0.000072	**0.0053**	ug/L
	Cr	53	14	15	4	27.6	0.000012	**0.0079**	ug/L
	Fe	54	206	165	14	8.5	0.000059	**0.1822**	ug/L
	Fe	56	3758	2886	412	14.3	0.000805	**0.1396**	ug/L
	Ni	60	8	6	3	56.7	0.000000	**0.0031**	ug/L
	Ni	62	1	1	1	86.6	-0.000001	**-0.0029**	ug/L
	Cu	63	34	40	2	5.0	0.000039	**0.0092**	ug/L
	Cu	65	17	20	7	35.6	0.000019	**0.0062**	ug/L
	Zn	66	62	53	4	6.8	0.000026	**0.0229**	ug/L
	Zn	68	49	43	5	11.6	0.000024	**0.0249**	ug/L
>	Rh	103	674620	452206	5112	1.1	452205.911834		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	V	51	
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
	Ni	60	
	Ni	62	
	Cu	63	
	Cu	65	
	Zn	66	
	Zn	68	
>	Rh	103	67.031

ANALYSIS SEQUENCE

1400262

Brooks Rand Labs

Instrument: HGAAS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400262-IBL1	1400262	QC	1		-			
1400262-IBL2	1400262	QC	2		-			
1400262-IBL3	1400262	QC	3		-			
1400262-CAL1	1400262	QC	4	1410066	-			
1400262-CAL2	1400262	QC	5	1410067	-			
1400262-CAL3	1400262	QC	6	1410068	-			
1400262-CAL4	1400262	QC	7	1410069	-			
1400262-CAL5	1400262	QC	8	1410070	-			
1400262-CAL6	1400262	QC	9	1410071	-			
1400262-ICV1	1400262	QC	10	1410040	-			
1400262-ICV2	1400262	QC	11	1410041	-			
1400262-CCV1	1400262	QC	12	1410039	-			
1400262-CCB1	1400262	QC	13		-			
B140445-BLK1	B140445	QC	14		-			
B140445-BLK2	B140445	QC	15		-			
B140445-BLK3	B140445	QC	16		-			
B140445-BLK4	B140445	QC	17		-			
B140445-BS1	B140445	QC	18		-			
B140445-SRM1	B140445	QC	19		-			
B140445-SRM2	B140445	QC	20		-			
1411043-01	B140445	DMAs-B-HClExt-HGAAS	21			ARD-MV1302	4/7/2014	
B140445-DUP1	B140445	QC	22		1411043-01			
B140445-MS1	B140445	QC	23		1411043-01			
B140445-MSD1	B140445	QC	24		1411043-01			
1411043-02	B140445	DMAs-B-HClExt-HGAAS	25			ARD-MV1302	4/7/2014	
1411043-03	B140445	DMAs-B-HClExt-HGAAS	26			ARD-MV1302	4/7/2014	

ANALYSIS SEQUENCE

1400262

Brooks Rand Labs

Instrument: HGAAS-2

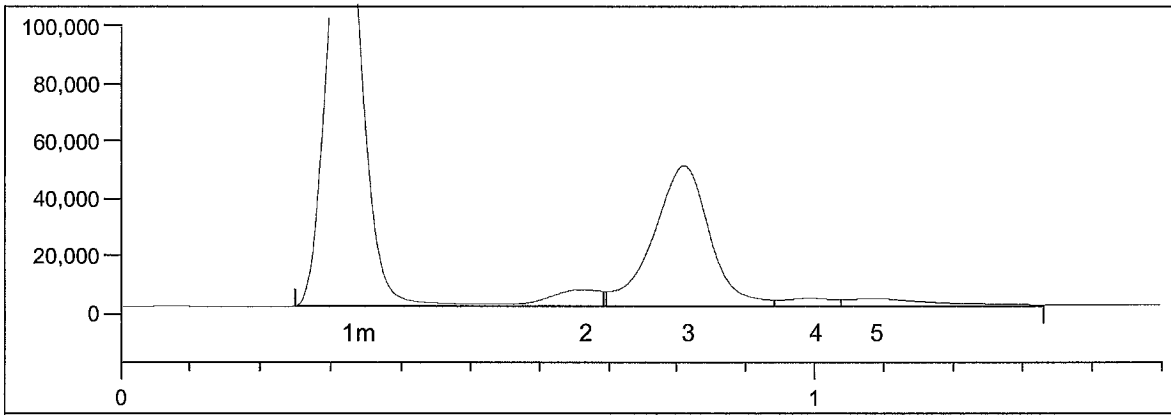
Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-04	B140445	DMAs-B-HClExt-HGAAS	27			ARD-MV1302	4/7/2014	
1411043-05	B140445	DMAs-B-HClExt-HGAAS	28			ARD-MV1302	4/7/2014	
1411043-06	B140445	DMAs-B-HClExt-HGAAS	29			ARD-MV1302	4/7/2014	
1411043-07	B140445	DMAs-B-HClExt-HGAAS	30			ARD-MV1302	4/7/2014	
1411043-08	B140445	DMAs-B-HClExt-HGAAS	31			ARD-MV1302	4/7/2014	
1411043-09	B140445	DMAs-B-HClExt-HGAAS	32			ARD-MV1302	4/7/2014	
1411043-09RE1	B140445	DMAs-B-HClExt-HGAAS	33			ARD-MV1302	4/7/2014	Added 3/29/2014 by IRJ
B140445-MS2	B140445	QC	34		1411043-09RE1			
B140445-DUP2	B140445	QC	35		1411043-09RE1			
B140445-MSD2	B140445	QC	36		1411043-09RE1			
1400262-CCV2	1400262	QC	37	1410039	-			
1400262-CCB2	1400262	QC	38		-			
1411043-10	B140445	DMAs-B-HClExt-HGAAS	39			ARD-MV1302	4/7/2014	
1411043-11	B140445	DMAs-B-HClExt-HGAAS	40			ARD-MV1302	4/7/2014	
1411043-12	B140445	DMAs-B-HClExt-HGAAS	41			ARD-MV1302	4/7/2014	
1411043-13	B140445	DMAs-B-HClExt-HGAAS	42			ARD-MV1302	4/7/2014	
1411043-14	B140445	DMAs-B-HClExt-HGAAS	43			ARD-MV1302	4/7/2014	
1411043-15	B140445	DMAs-B-HClExt-HGAAS	44			ARD-MV1302	4/7/2014	
1411043-16	B140445	DMAs-B-HClExt-HGAAS	45			ARD-MV1302	4/7/2014	
1411043-17	B140445	DMAs-B-HClExt-HGAAS	46			ARD-MV1302	4/7/2014	
1411043-18	B140445	DMAs-B-HClExt-HGAAS	47			ARD-MV1302	4/7/2014	
1411043-19	B140445	DMAs-B-HClExt-HGAAS	48			ARD-MV1302	4/7/2014	
1400262-CCV3	1400262	QC	49	1410039	-			
1400262-CCB3	1400262	QC	50		-			

Peak Report

Batch Number: B140445
Method Number: BR-0021

Project Number(s): 1400262
Instrument ID: HGAA2

Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 11:23 AM

Peak	rt	Area
1m	0.31	5,221,350
2	0.66	268,741
3	0.81	2,708,772
4	0.99	114,187
5	1.08	164,032

CMC 4/18/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
37		S	B140445-MSD2		3	2,708,772	12.5	0.00		< HS	accept
Notes											

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Manual Integration Abbreviation Sheet

m. Modified peak shape due to split peak in Guru software

u. Unidentified peak. No peak called out in the appropriate retention time window

m1. Modified peak due to dip in hydride baseline. Peak integrated from the new baseline

m2. Modified peak due to dip in hydride baseline. Peak integrated from old baseline

dp. Double peak called out by software.

g. Analysis volume value is a mass, assumed to be equal to a volume based on an assumed density of 1.00 +/- 0.03g/mL.

COPY

SOP(s) / Rev#(s): 0021 - Rev 0022

As(In) ☐ As(III) ☐ MMA ☑ DMA ☑ Analysis Sheet

MMA / DMA

Sequence: 1400263/262	Batch(es): B140446/445	Matrix: Biota
Analyst: JRJ	Date: 03-29-14	Pump purge time: 2:30
Cal. blank (average): 0.000 µg/L	Cal. coefficient: 0.00502 / 0.08461	RSD: 4.43 % / 8.45 %
Method blank (average): 0.00 mg/kg	Noise: 2211	Trap(s) #: 51
Cal. Std. 10ng/mL: 14/0036	ICV Std. 100ng/mL: 14/0037/38	4% NaBH4: 1404005
6M HCl: 1409006	2.5M Tris-HCl: ___	

Run #	Sample ID	Analyzed volume (mL)	Dilution Factor	Analysis comments / For QC: Source sample, standard ID, and spiked amount
1	TEST	0.500		10ng/mL Cal.
2	SEQ-IBL1	–		
3	- IBL2	–		
4	- IBL3	–		
5	- CAL1	0.050		10ng/mL Cal.
6	- CAL2	0.100		
7	- CAL3	0.200		
8	- CAL4	1.00		
9	- CAL5	2.00		
10	- CAL6	3.00		
11	- ICV1	0.050		100ng/mL MMA ICV
12	- ICV2			DMA ICV
13	- CCV1	0.500		10ng/mL Cal.
14	- CCB1	–		
15	B140445/446 - BLK1	2.00		
16	- BLK2			
17	- BLK3			
18	- BLK4			
19	- BS1			
20	- SRM1			①
21	- SRM2			
22	1411043-01			
23	B140445/446 - DUP1			native: 1411043-01
24	- MS1			

Comments: ① All sample digests run @ >0.50mL had 0.025mL anti-foam added at analysis to avoid foam-over into trap from the smaller volume bubbler.

As(In) ☐ As(III) ☐ MMA ☑ DMA ☑ Analysis Sheet

Sequence: 1400263/262 Batch: B140446/445 Analyst: IRJ Date: 03-29-14

	Run #	Sample ID	Analyzed Volume (mL)	Dilution Factor	Analysis comments / For QC: Source sample, standard ID, and spiked amount
	25	B140445/446-MSD1	2.00		① native: 1411043-01
	26	1411043-02			
	27	-03			
	28	-04			
u ~~mt~~ IRJ 4/8/14	29	-05			
	30	-06			
	31	-07			
	32	-08			
	33	-09	0.500		
	34	1411043-09RE1 IRJ 03-29-14 ~~B140445/446-DMP2~~	0.200		~~native: 1411043-09~~ IRJ 03-29-14
m2	35	B140445/446-MS2			native: 1411043-09RE1 ③
	36	-DMP2			
m2	37	-MSD2			③
	38	SEQ-CCV2	0.500		10ng/mL Cal.
	39	-CCB2	–		
m1	40	1411043-10	0.500		②
	41	-11			
	42	-12			
	43	-13			
	44	-14			
	45	-15			
	46	-16			
	47	-17			
	48	-18			
	49	-19			
	50	SEQ-CCV3	0.500		
	51	-CCB3	–		

Comments: ② Run @ such a volume to get DMA on calibration and avoid As Inorganic peak interference. All MMA are essentially N.D. IRJ 03-29-14

③ MS2/D2 were not consistently integrated by GURU. Baselines were reintegrated by modifying one peak and then choosing the correct (MMA) peak in order to get consistent baseline and peak integration.

Total As / Total Se / As Species Ing, III, MMA/DMA (circle)

Methods BR-0020 Rev _____ (HGAAS) & BR-0021 Rev _____ Mod. of EPA 1632 (HGAAS) - circle

BRL Report 1411043

Matrix: Water / Sediment / Biota / Other_____ (circle one)

Batch #(s): B140443,4,5,6 Preparation Start Date/Time*: 03-26-14 / 1535 Page 1 of 2

* Time is when the first reagents are added.

Prepared By: IRJ

Balance ID: BL-08

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
1411043-01	0.5015	
1411043-02	0.5133	
1411043-03	0.5291	
1411043-04	0.5001	
1411043-05	0.5280	
1411043-06	0.4647	
1411043-07	0.4862	
1411043-08	0.5728	
1411043-09	0.5360	
1411043-10	0.5277	
1411043-11	0.5174	
1411043-12	0.5276	
1411043-13	0.5134	
1411043-14	0.5406	
1411043-15	0.5180	
1411043-16	0.4986	
1411043-17	0.5613	

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
1411043-18	0.4860	
1411043-19	0.5087	
B140443-DUP1	0.4913	Ing/III/MMA/DMA
B140443-DUP2	0.4939	Ing/III/MMA/DMA
B140443-MS1	0.4981	Ing/III
B140443-MSD1	0.5512	Ing/III
B140443-MS2	0.5550	Ing/III
B140443-MSD2	0.5214	Ing/III
B140445-MS1	0.5348	MMA/DMA
B140445-MSD1	0.5518	MMA/DMA
B140445-MS2	0.5240	MMA/DMA
B140445-MSD2	0.5609	MMA/DMA
B140445-SRM1	0.2796	Ing/III/MMA/DMA
	IRJ 03-26-14	

Batch QC ID	Sample Source	Spike Added (mL)	Spike Concentration (ug/mL)	Spike ID	Spike Witness Initials/Date
B140443/444 BS1	–	0.500	0.10	1410002 ✓	TMH 3/26/14
B140444 - BS2	–	↓	↓	1410006 ✓	
B140445/446 ~~BS3~~ BS1 IRJ 03-26-14	–	0.5/0.5	0.10/0.10	1410037/1410038 ✓	
B140443 MS/MSD1	43-01	0.500	0.10	1410006 ✓	
B140443 MS/MSD2	43-09	0.050	10	↓ 1410005 ✓	
B140445 MS/MSD1	43-01	0.50/~~0.05~~ 0.50	0.10/0.10	1410037/1410038	
B140445 MS/MSD2	43-09	↓/0.050	↓/10	↓ ✓/1410035 ✓	

IRJ 03-26-14

Target Digestion Temperature = 75-85 °C

Reagents Added (ID/Amount Added)

2 MHCl (1409005/10mL)

or 10 MHCl (1409006/10mL)

Measured Temperature*, Time On / Time Off, Date

82, 82°C 03-26-14 1600

16 hour timer (03-27-14 @ 0800)

Thermometer ID: BR-02

* Both measured and corrected temperatures must be recorded

Final Volume of Preparation: 10mL

~~Volume of Prep Subsampled:~~

~~Dilution Media:~~ ~~IRJ 03-26-14~~

Final Dilution Volume:

CRM, Matrix, Certified Values

SRM1 1337024 NIST 1568b

SRM2 ↓ ↓

Comments: Samples washed out 3.20.14 by BJT. Stored in walk in freezer.

Total As / Total Se / As Species Inorg (circle)

Methods BR-0020 Rev _____ (HGAAS) & BR-0021 Rev 004c Mod. of EPA 1632 (HGAAS) - circle

Matrix: Water / Sediment / Biota / Other _____ (circle one)

Batch #(s): B140443 Preparation Start Date/Time*: 03-26-14 / 1585 Page 2 of 2

* Time is when the first reagents are added.

Prepared By: IRJ

Balance ID: BL-08

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
(2) 1411038-01 QC1	0.2056	fine brown powder
1411038-02	0.2725	↓
1412014-01 (1)	0.2466	thick red oil 6m
1412026-01	0.4705	viscous red/brown oil
1412026-02	0.3146	↓
1412036-01	0.2570	ground millet
1412042-01	0.2628	orange flakes (carrot)
1412045-01	0.2338	green flakes (spinach)
DUP3	0.2193	
MS3	0.1971	
MSD3	0.2056	
SRM2	0.3450	

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
	IRJ	
	03-26-14	

Batch QC ID	Sample Source	Spike Added (mL)	Spike Concentration (ug/mL)	Spike ID	Spike Witness Initials/Date
B140438-MS3/D3	1411038-01	0.10	10	141000J ✓	
		IRJ 03-26-14			3/26/14

Reagents Added (ID/Amount Added)

See Pg. 1

IRJ 03-26-14

Target Digestion Temperature = 75-85°C

Measured Temperature*, Time On / Time Off, Date

See Pg. 1

Thermometer ID: IR-7

* Both measured and corrected temperatures must be recorded

3-26-14

Final Volume of Preparation: 10mL

Volume of Prep Subsampled:

Dilution Media: IRJ 03-26-14

Final Dilution Volume:

CRM, Matrix, Certified Values

Comments: (1) pipetted, but mass recorded and no volume measured.

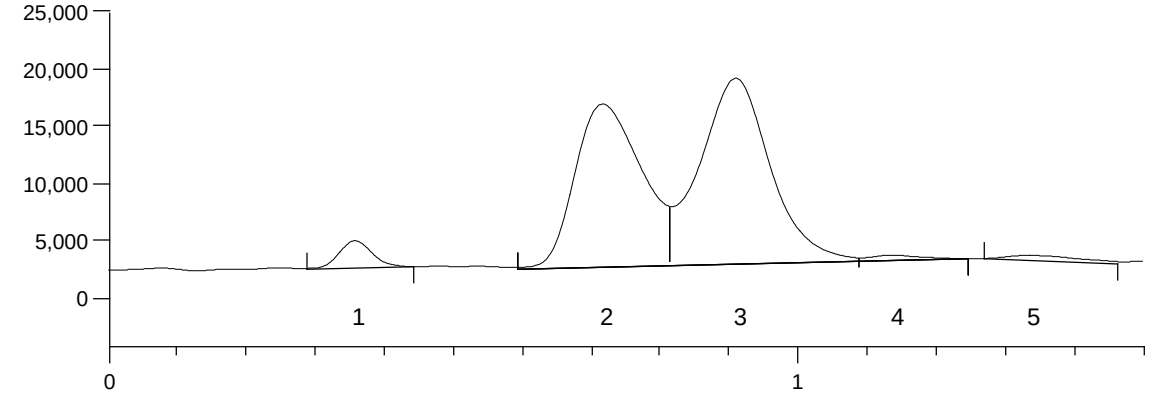
(2) w/o on 3-26-14 by IRJ

Peak Report

Batch Number: B140445
Method Number: BR-0021

Project Number(s): 1400262
Instrument ID: HGAA2

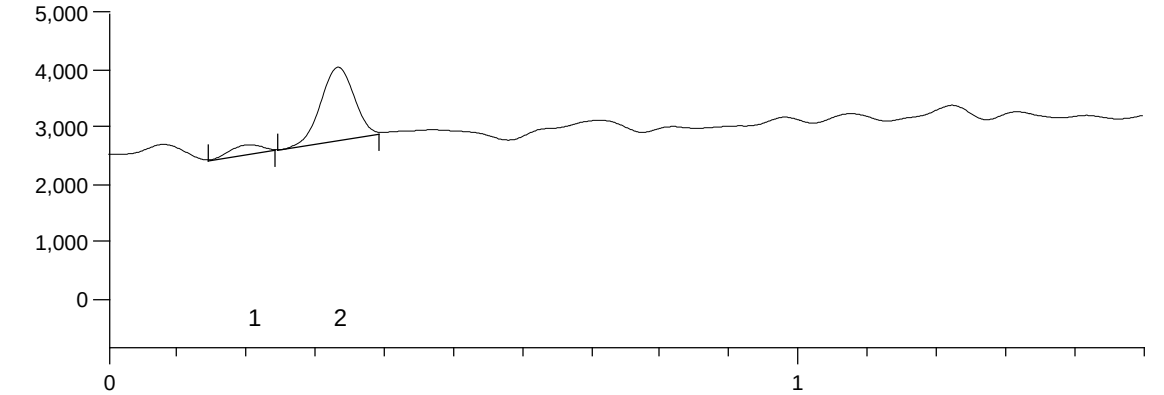
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 7:46 AM

Peak	rt	Area
1	0.35	77,919
2	0.71	955,629
3	0.90	1,140,985
4	1.13	21,307
5	1.33	22,694

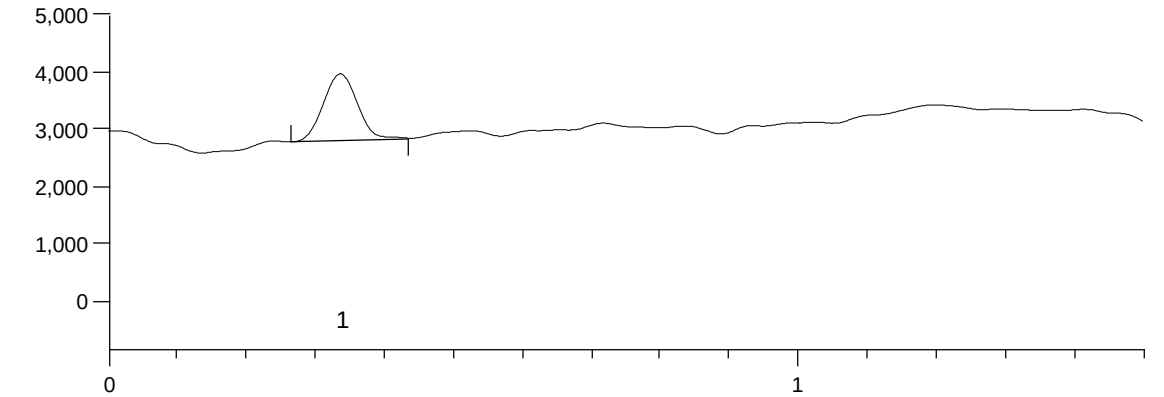
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1		S	TEST		3	1,140,985	5.26	0.00		< HS	reject
Notes											



Date: 3/29/14
Time: 7:50 AM

Peak	rt	Area
1	0.20	5,255
2	0.33	42,804

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2		CB	SEQ-IBL1			0	0.00		0.00	< 0.4	accept
Notes											



Date: 3/29/14
Time: 7:55 AM

Peak	rt	Area
1	0.33	39,751

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3		CB	SEQ-IBL2			0	0.00		0.00	< 0.4	accept
Notes											

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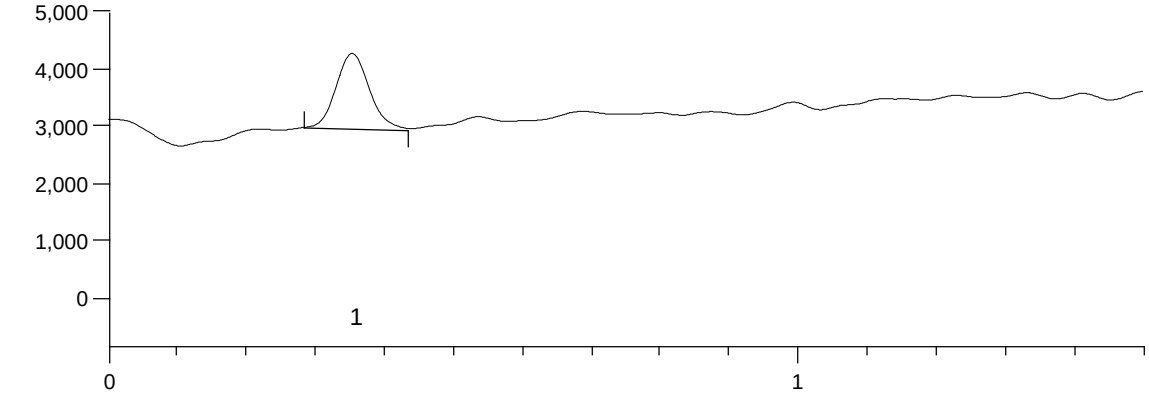
Peak Report

Batch Number: B140445
Method Number: BR-0021

Project Number(s): 1400262
Instrument ID: HGAA2

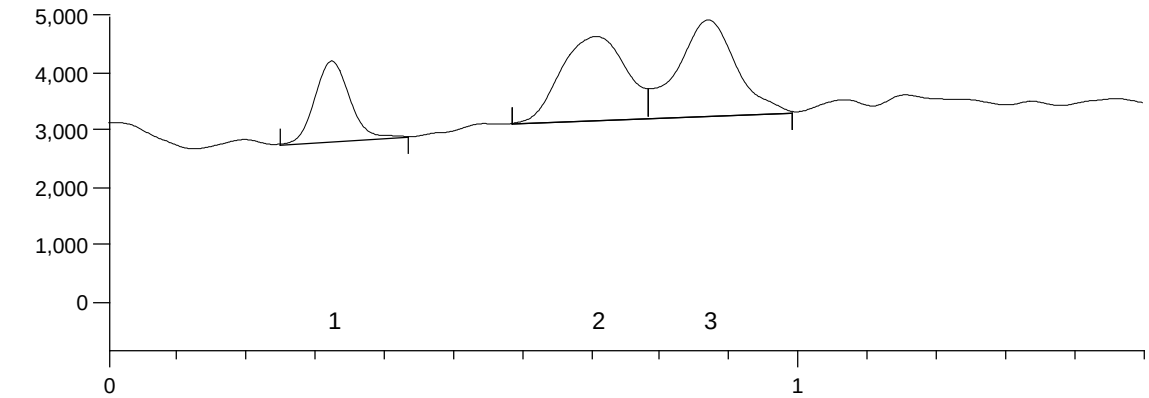
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 8:00 AM

Peak	rt	Area
1	0.35	42,592

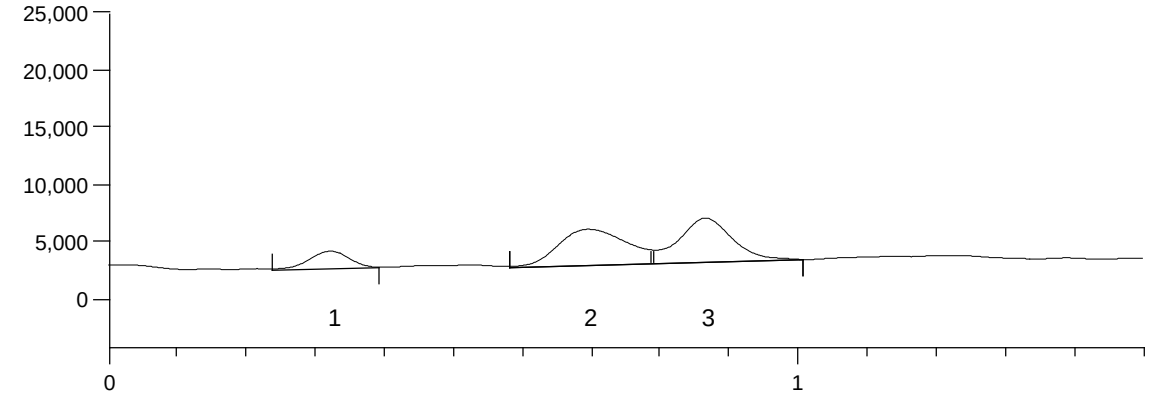
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4		CB	SEQ-IBL3			0	0.00		0.00	< 0.4	accept
Notes											



Date: 3/29/14
Time: 8:05 AM

Peak	rt	Area
1	0.32	48,797
2	0.70	96,579
3	0.86	96,844

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5		STD	SEQ-CAL1		3	96,844	0.447		89.3	80-120	accept
Notes											



Date: 3/29/14
Time: 8:09 AM

Peak	rt	Area
1	0.32	55,991
2	0.69	213,534
3	0.86	205,757

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6		STD	SEQ-CAL2		3	205,757	0.949		94.9	80-120	accept
Notes											

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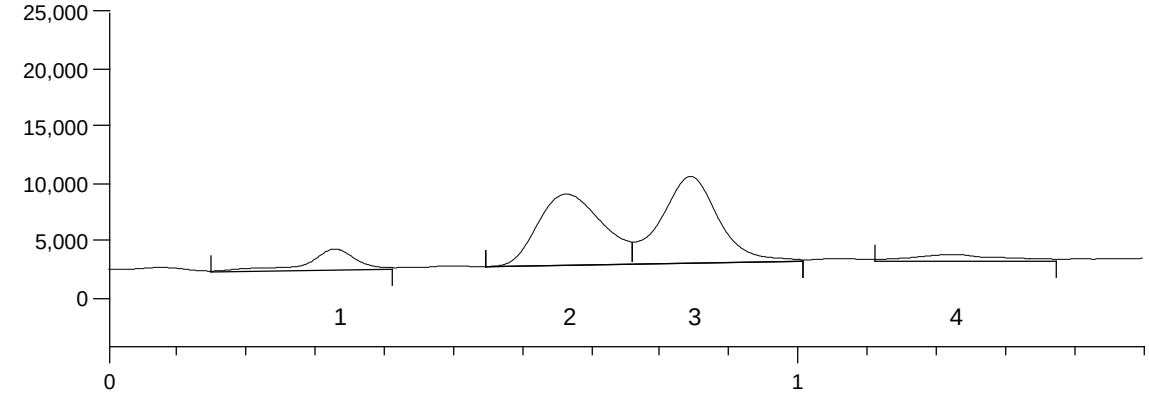
Peak Report

Batch Number: B140445
Method Number: BR-0021

Project Number(s): 1400262
Instrument ID: HGAA2

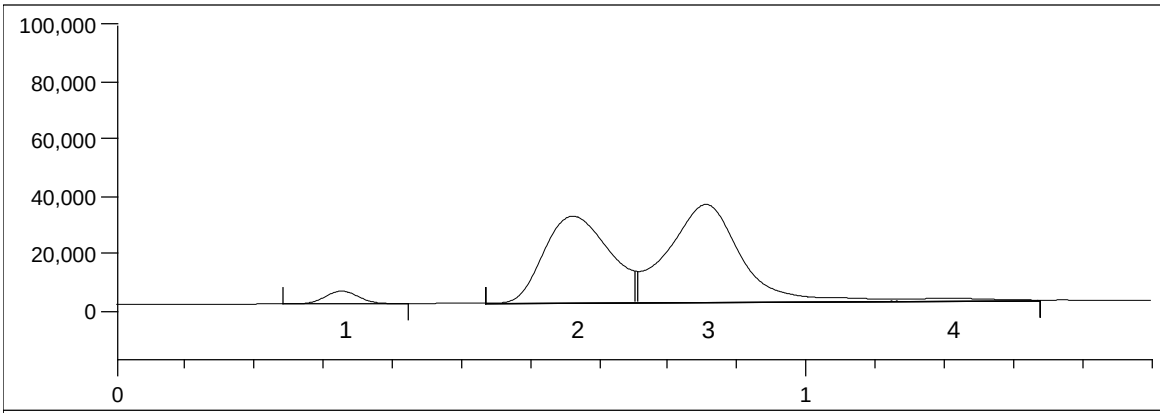
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 8:14 AM

Peak	rt	Area
1	0.32	75,688
2	0.66	407,923
3	0.84	424,183
4	1.22	27,792

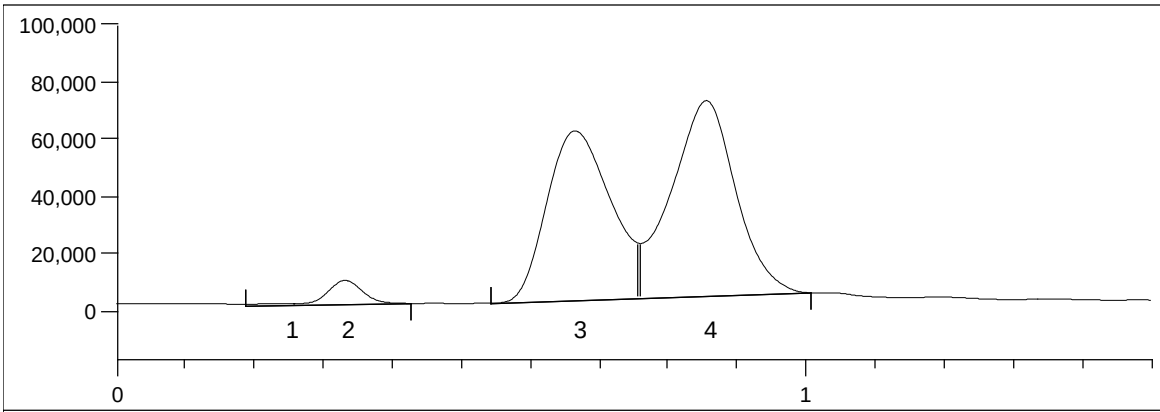
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7		STD	SEQ-CAL3		3	424,183	1.96		97.8	80-120	accept
Notes											



Date: 3/29/14
Time: 8:19 AM

Peak	rt	Area
1	0.32	147,369
2	0.66	2,032,508
3	0.85	2,473,069
4	1.20	62,792

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8		STD	SEQ-CAL4		3	2,473,069	11.4		114	80-120	accept
Notes											



Date: 3/29/14
Time: 8:24 AM

Peak	rt	Area
1	0.25	4,811
2	0.33	275,101
3	0.66	3,877,144
4	0.85	4,455,987

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9		STD	SEQ-CAL5		4	4,455,987	20.5		103	80-120	accept
Notes											

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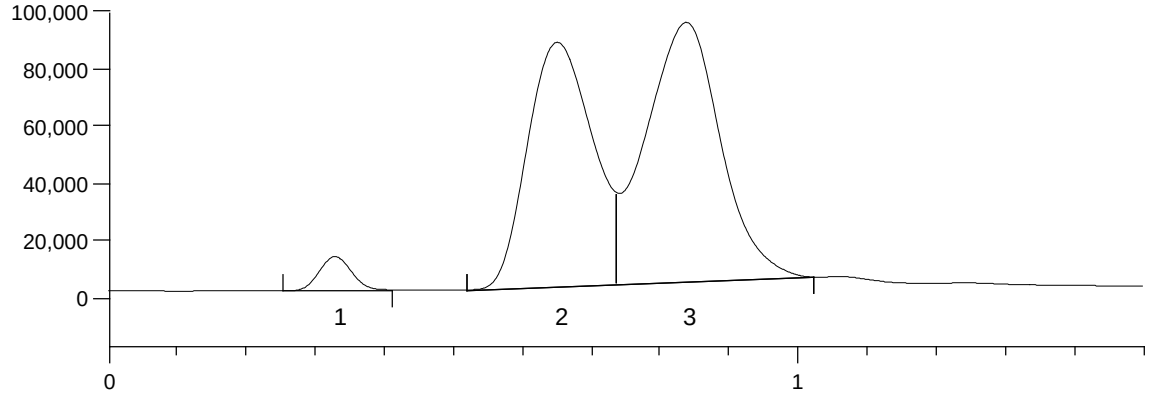
Peak Report

Batch Number: B140445
Method Number: BR-0021

Project Number(s): 1400262
Instrument ID: HGAA2

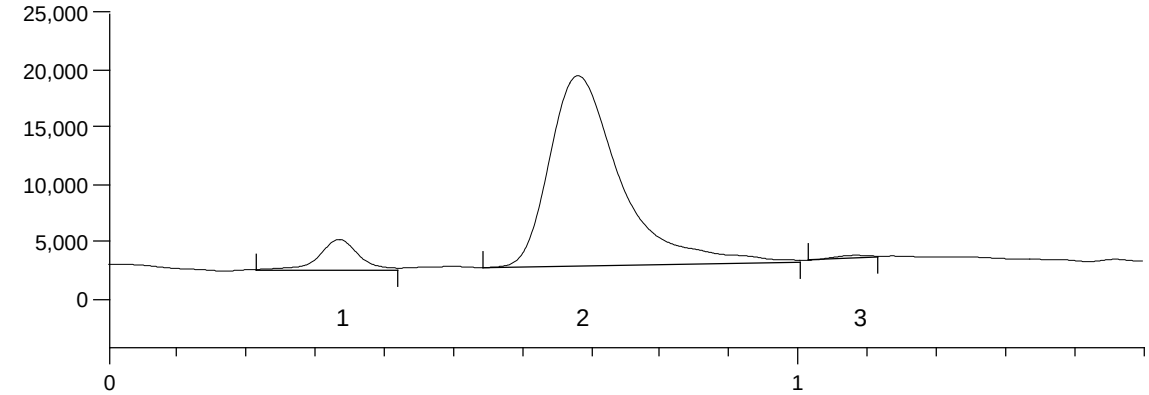
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 8:28 AM

Peak	rt	Area
1	0.32	376,678
2	0.65	5,685,754
3	0.83	6,819,585

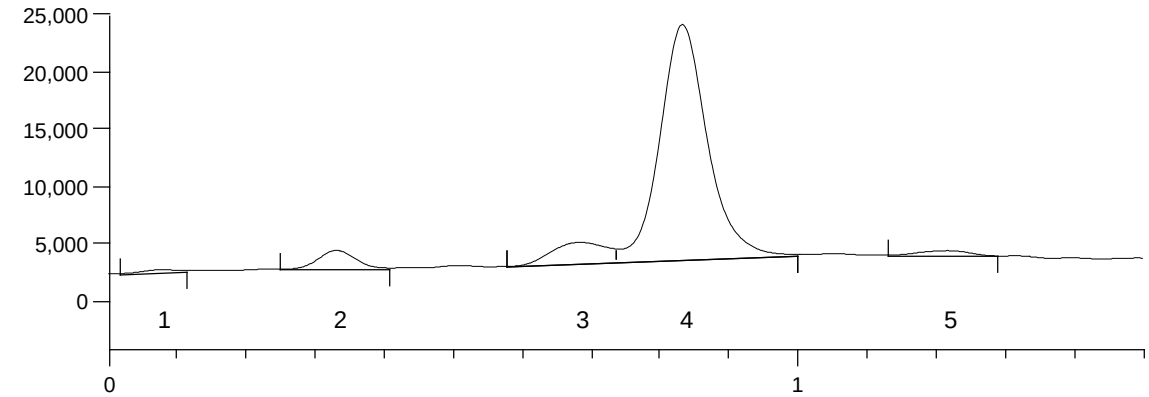
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10		STD	SEQ-CAL6		3	6,819,585	31.4		105	80-120	accept
Notes											



Date: 3/29/14
Time: 8:33 AM

Peak	rt	Area
1	0.33	92,635
2	0.68	1,169,716
3	1.08	6,577

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11		OPR	SEQ-ICV			0	0.00		0.00	80-120	reject
Notes											



Date: 3/29/14
Time: 8:38 AM

Peak	rt	Area
1	0.07	5,422
2	0.33	57,536
3	0.68	104,443
4	0.83	981,328
5	1.21	21,084

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12		OPR	SEQ-ICV		4	981,328	4.53		90.5	80-120	accept
Notes											

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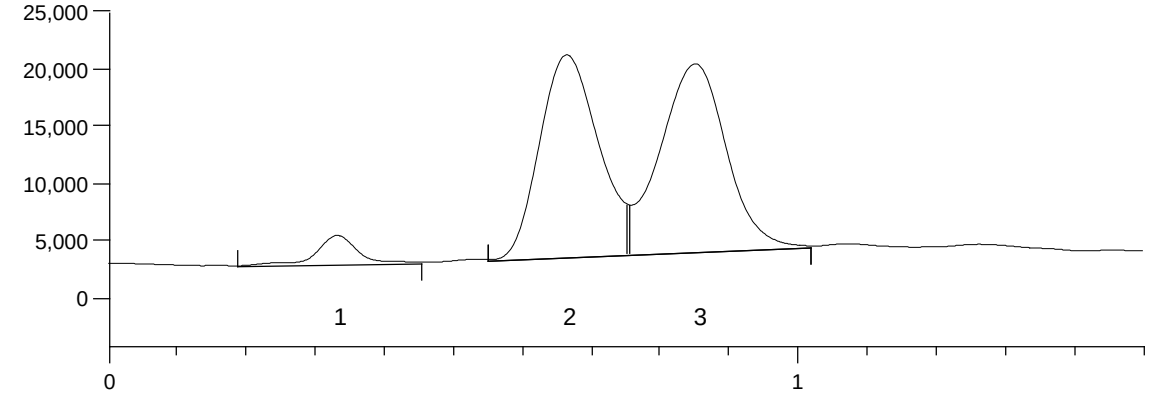
Peak Report

Batch Number: B140445
Method Number: BR-0021

Project Number(s): 1400262
Instrument ID: HGAA2

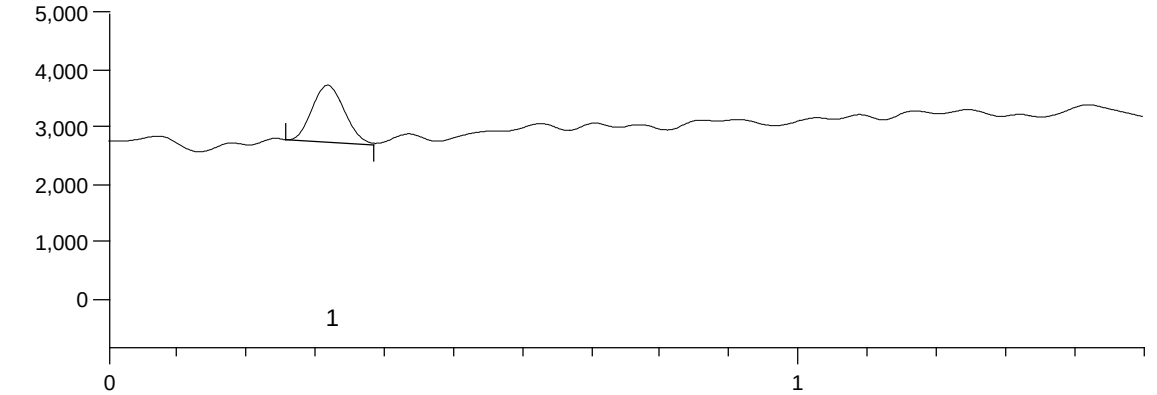
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 8:42 AM

Peak	rt	Area
1	0.33	97,404
2	0.66	1,052,679
3	0.85	1,083,624

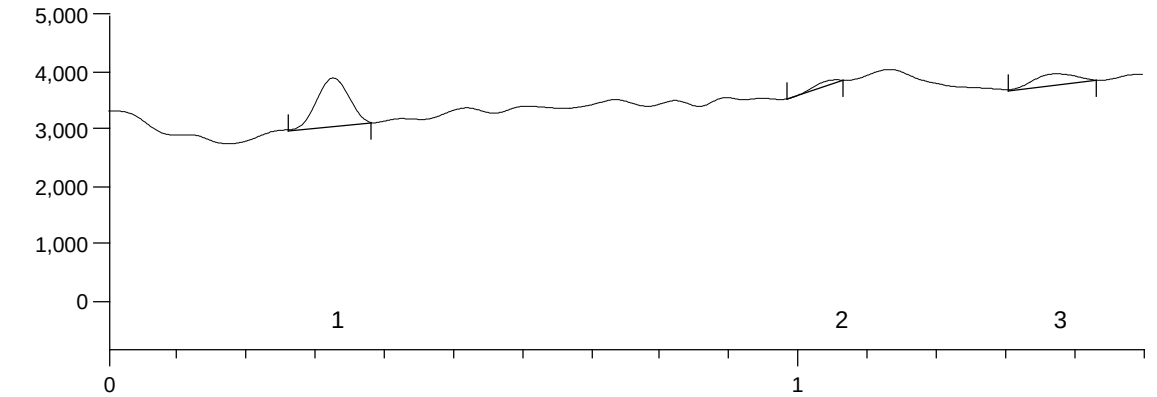
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
13		OPR	SEQ-CCV		3	1,083,624	5.00		99.9	80-120	accept
Notes											



Date: 3/29/14
Time: 8:47 AM

Peak	rt	Area
1	0.31	31,436

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
14		CCB	SEQ-CCB			0	0.00		0.00	< 0.4	accept
Notes											



Date: 3/29/14
Time: 8:51 AM

Peak	rt	Area
1	0.32	27,035
2	1.05	2,403
3	1.37	8,188

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
15		S	B140445-BLK1			0	0.00	0.00		< HS	accept
Notes											

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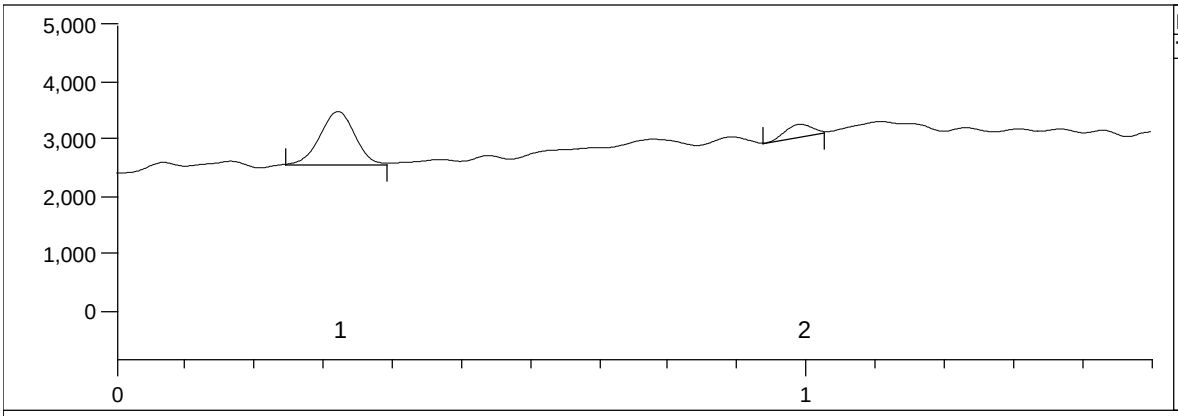
Peak Report

Batch Number: B140445
Method Number: BR-0021

Project Number(s): 1400262
Instrument ID: HGAA2

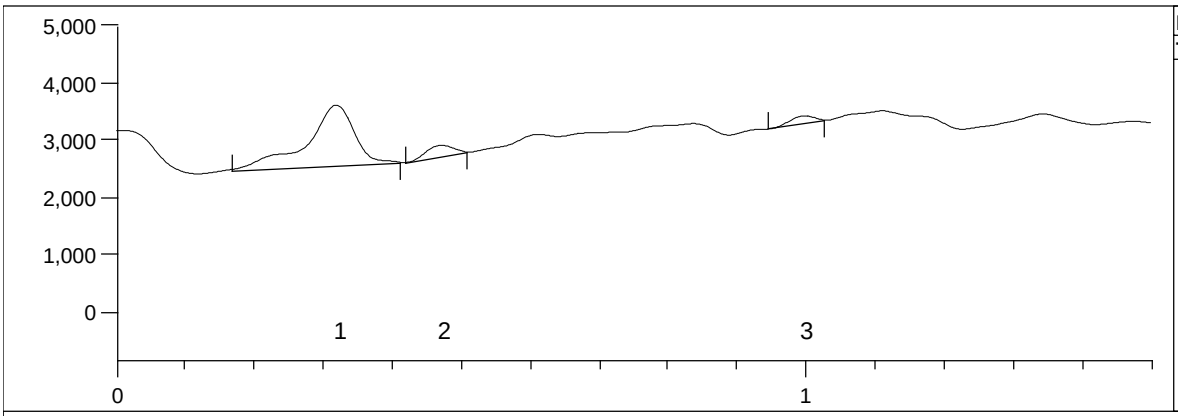
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 8:56 AM

Peak	rt	Area
1	0.32	31,023
2	0.99	5,828

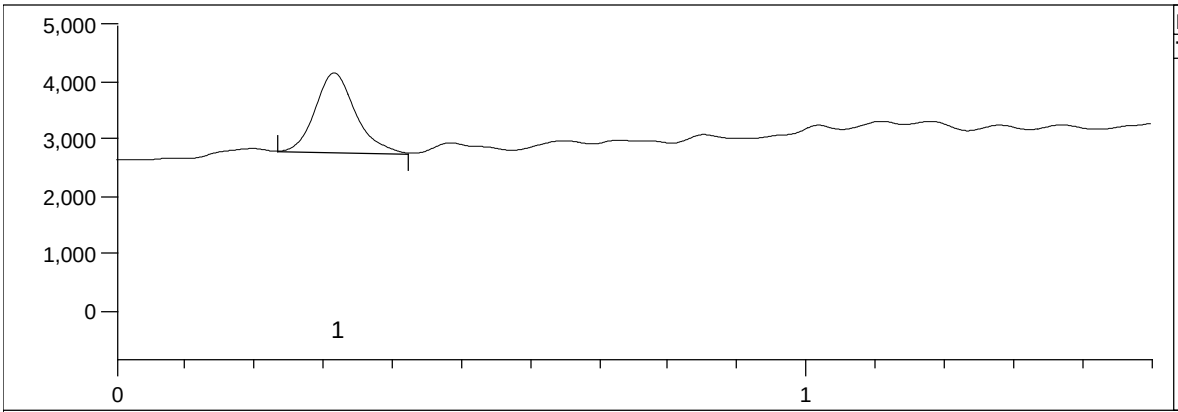
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16		S	B140445-BLK2			0	0.00	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:00 AM

Peak	rt	Area
1	0.32	49,191
2	0.47	5,551
3	0.99	3,389

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17		S	B140445-BLK3			0	0.00	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:04 AM

Peak	rt	Area
1	0.31	55,482

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18		S	B140445-BLK4			0	0.00	0.00		< HS	accept
Notes											

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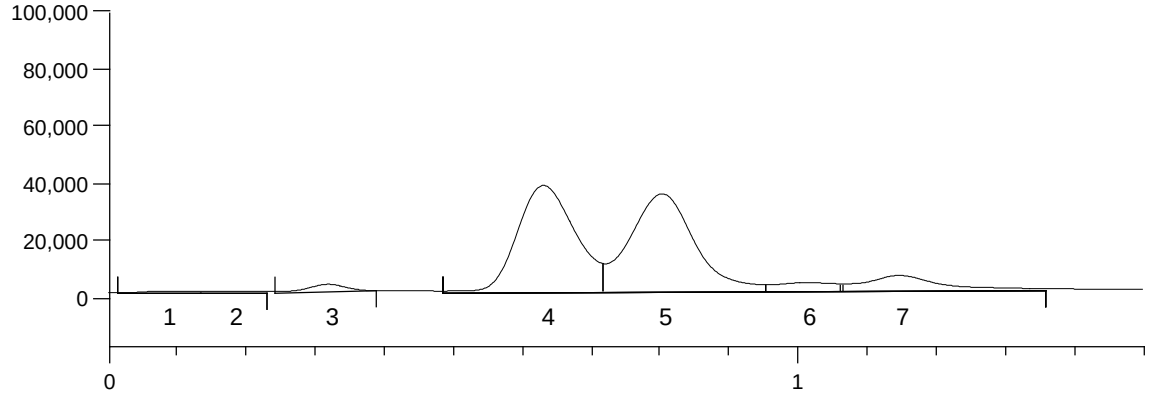
Peak Report

Batch Number: B140445
Method Number: BR-0021

Project Number(s): 1400262
Instrument ID: HGAA2

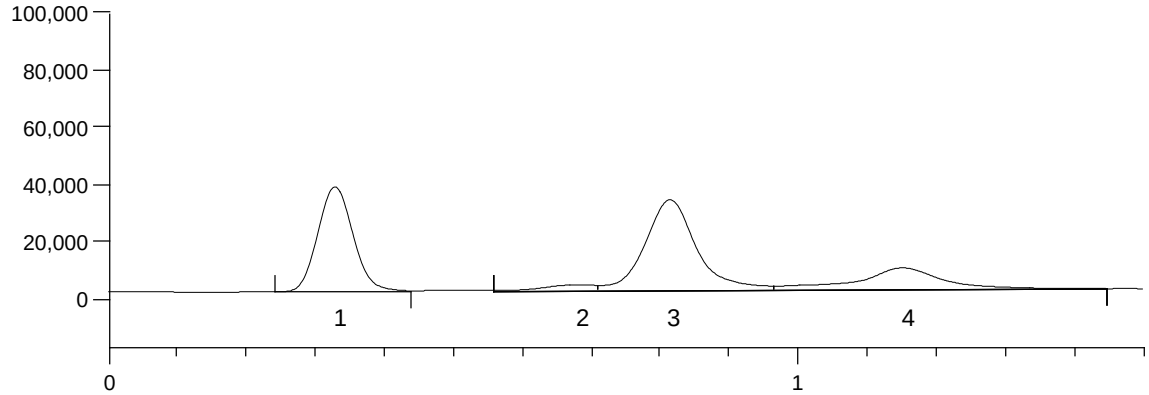
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 9:09 AM

Peak	rt	Area
1	0.08	20,702
2	0.18	9,105
3	0.32	80,606
4	0.63	2,134,680
5	0.80	2,155,746
6	1.01	147,636
7	1.14	334,377

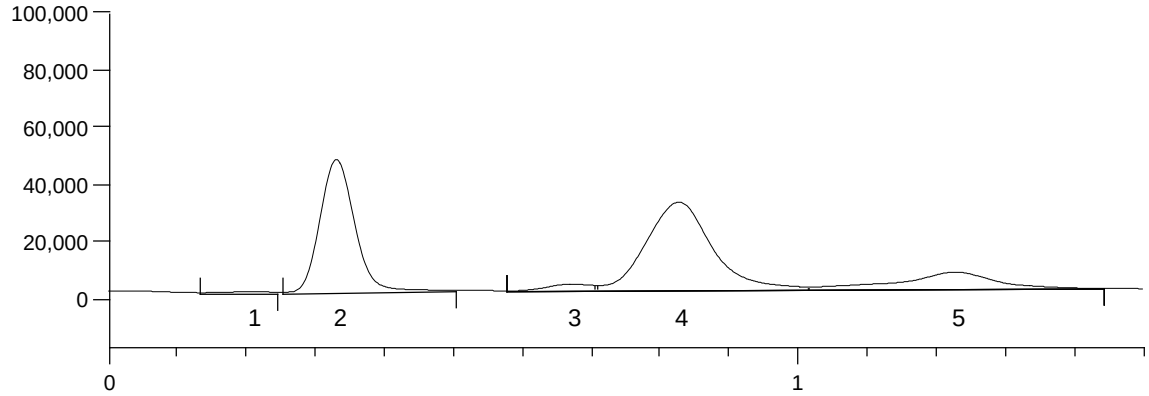
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
19		S	B140445-BS1		5	2,155,746	9.94	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:14 AM

Peak	rt	Area
1	0.32	1,294,146
2	0.68	92,366
3	0.81	1,631,780
4	1.15	642,924

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
20		S	B140445-SRM1		3	1,631,780	7.52	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:19 AM

Peak	rt	Area
1	0.20	6,631
2	0.33	1,590,144
3	0.67	103,280
4	0.82	2,052,314
5	1.22	565,552

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
21		S	B140445-SRM2		4	2,052,314	9.46	0.00		< HS	accept
Notes											

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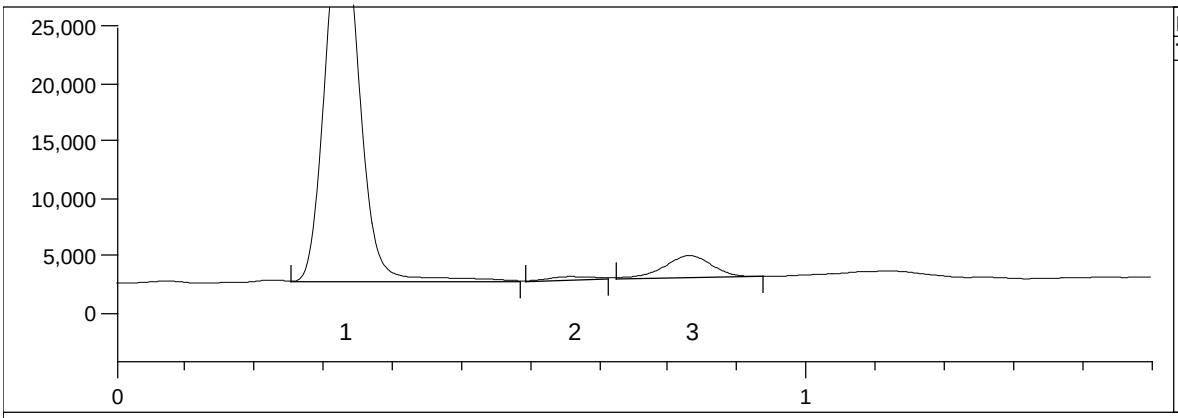
Peak Report

Batch Number: B140445
Method Number: BR-0021

Project Number(s): 1400262
Instrument ID: HGAA2

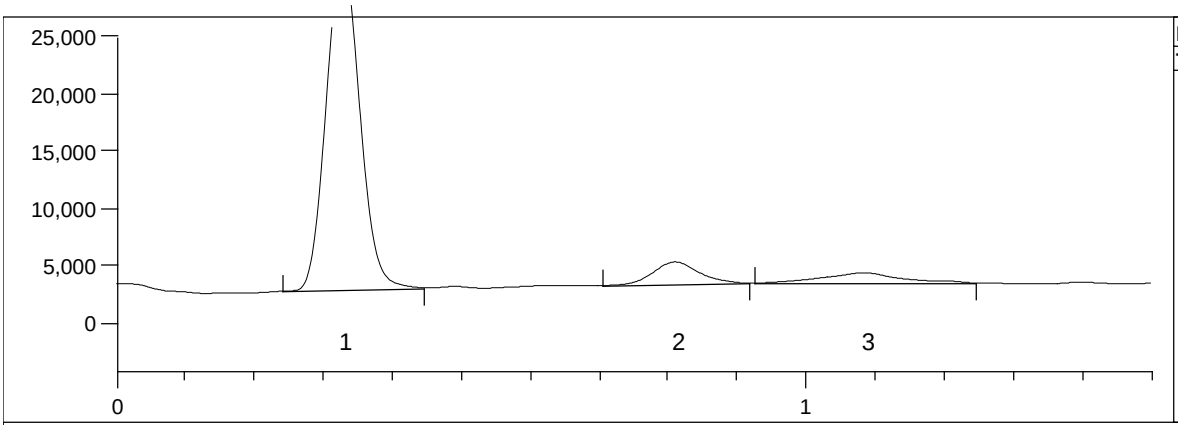
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 9:24 AM

Peak	rt	Area
1	0.32	1,115,475
2	0.66	8,081
3	0.83	85,582

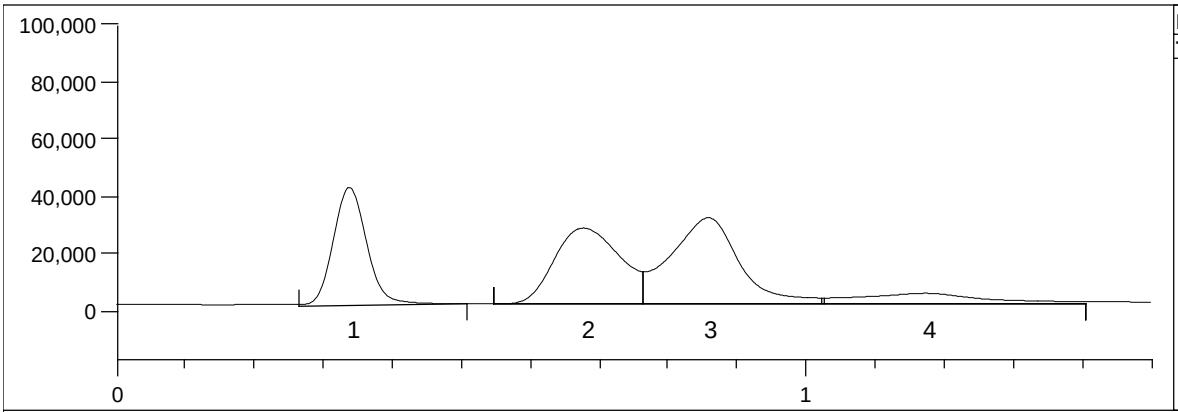
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
22		S	1411043-01		3	85,582	0.395	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:28 AM

Peak	rt	Area
1	0.32	984,071
2	0.81	91,215
3	1.08	69,445

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
23		S	B140445-DUP1		2	91,215	0.421	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:33 AM

Peak	rt	Area
1	0.33	1,356,247
2	0.67	1,768,114
3	0.85	2,045,082
4	1.17	359,794

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24		S	B140445-MS1		3	2,045,082	9.43	0.00		< HS	accept
Notes											

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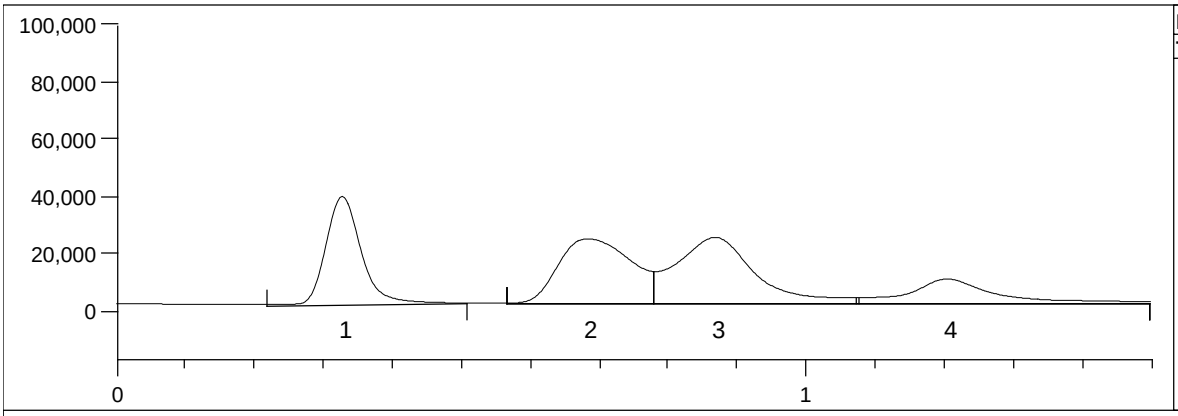
Peak Report

Batch Number: B140445
Method Number: BR-0021

Project Number(s): 1400262
Instrument ID: HGAA2

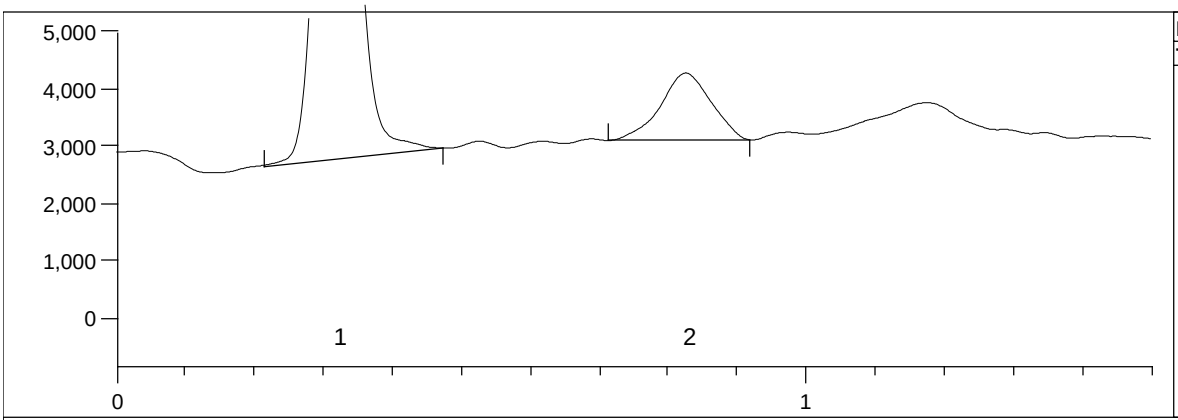
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 9:52 AM

Peak	rt	Area
1	0.32	1,316,558
2	0.68	1,663,234
3	0.86	1,766,205
4	1.20	611,709

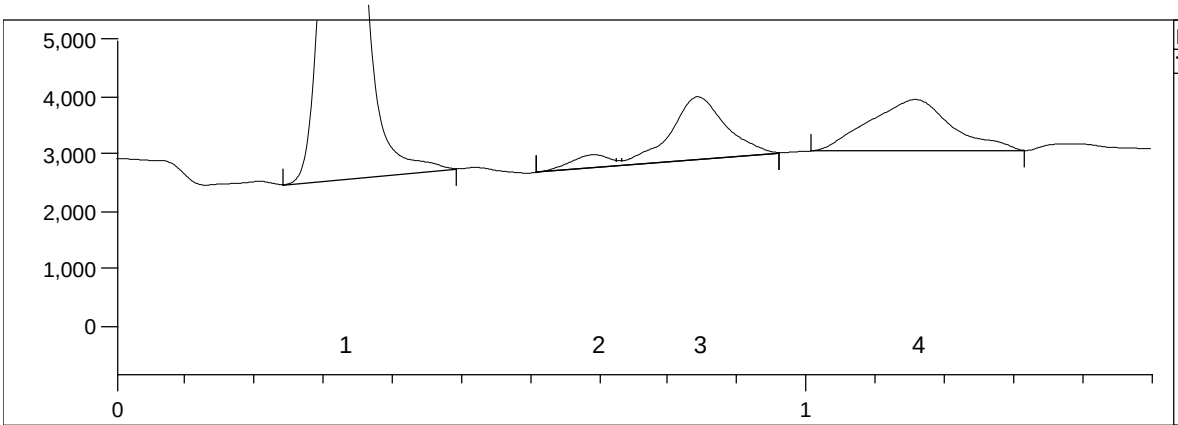
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
25		S	B140445-MSD1		3	1,766,205	8.14	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:57 AM

Peak	rt	Area
1	0.32	420,309
2	0.82	60,303

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
26		S	1411043-02		2	60,303	0.278	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 10:02 AM

Peak	rt	Area
1	0.32	407,218
2	0.69	8,965
3	0.84	60,768
4	1.16	74,001

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
27		S	1411043-03		3	60,768	0.280	0.00		< HS	accept
Notes											

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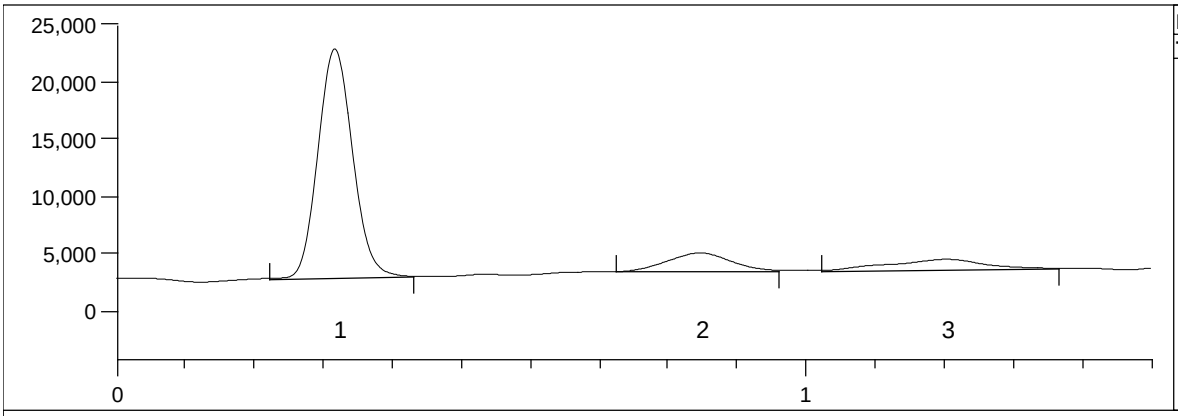
Peak Report

Batch Number: B140445
Method Number: BR-0021

Project Number(s): 1400262
Instrument ID: HGAA2

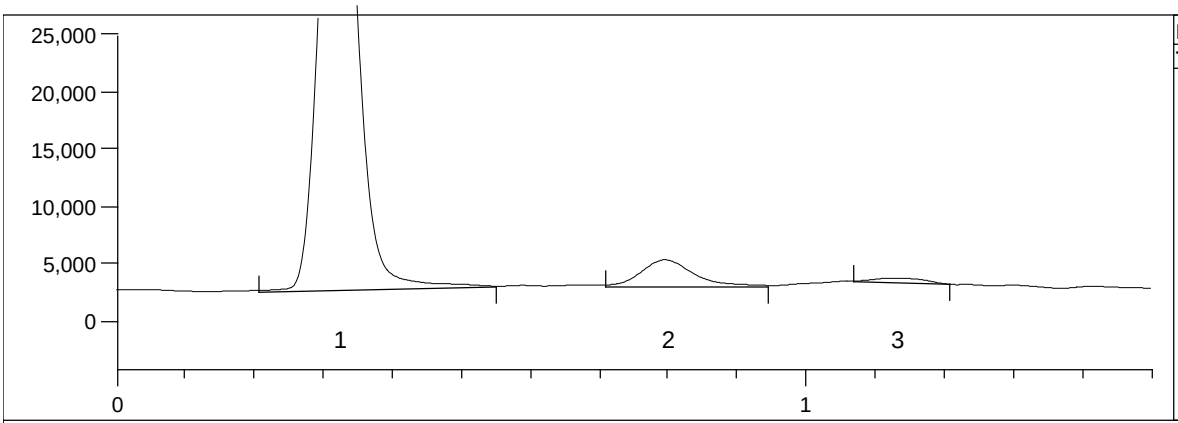
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 10:06 AM

Peak	rt	Area
1	0.31	696,412
2	0.84	97,585
3	1.20	83,212

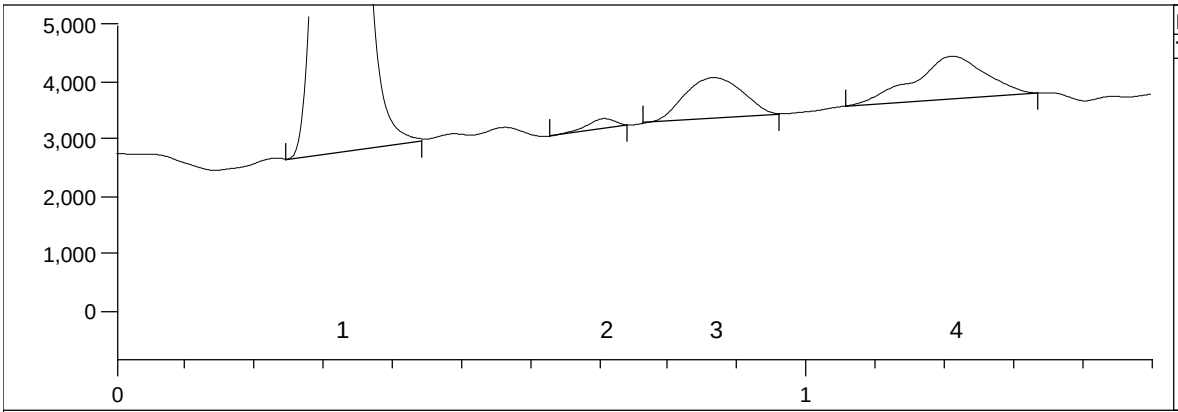
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
28		S	1411043-04		2	97,585	0.450	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 10:11 AM

Peak	rt	Area
1	0.32	1,833,486
2	0.79	107,210
3	1.12	18,999

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29		S	1411043-05		2	107,210	0.494	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 10:43 AM

Peak	rt	Area
1	0.32	644,763
2	0.70	5,175
3	0.86	41,670
4	1.21	53,433

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
30		S	1411043-06		3	41,670	0.192	0.00		< HS	accept
Notes											

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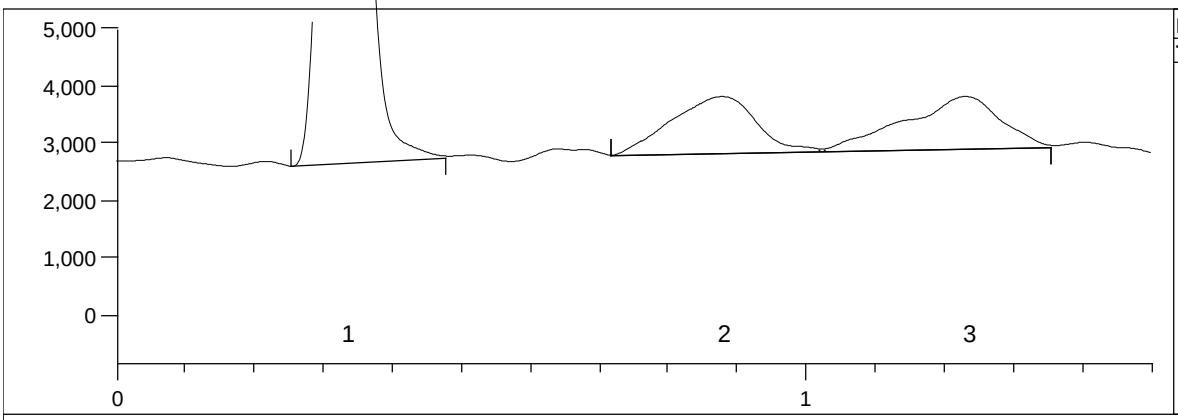
Peak Report

Batch Number: B140445
Method Number: BR-0021

Project Number(s): 1400262
Instrument ID: HGAA2

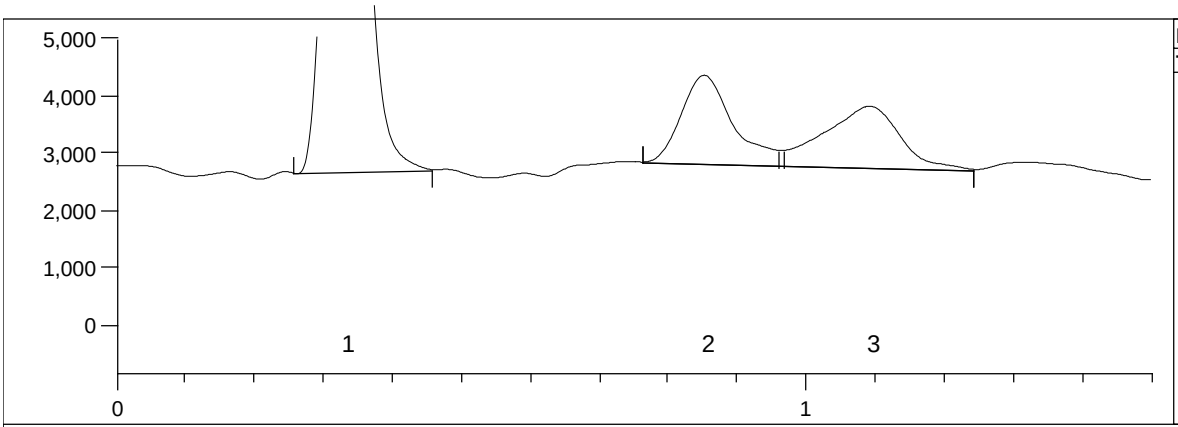
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 10:47 AM

Peak	rt	Area
1	0.32	730,417
2	0.87	82,942
3	1.23	84,659

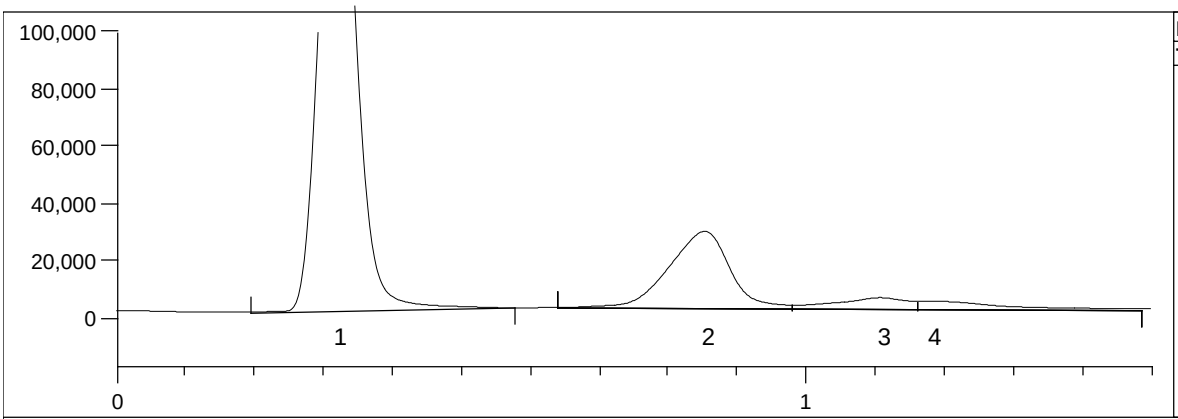
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31		S	1411043-07		2	82,942	0.382	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 10:52 AM

Peak	rt	Area
1	0.33	488,071
2	0.85	80,080
3	1.09	79,289

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
32		S	1411043-08		2	80,080	0.369	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 10:57 AM

Peak	rt	Area
1	0.32	7,062,084
2	0.85	1,635,352
3	1.10	259,198
4	1.18	174,756

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
33		S	1411043-09		2	1,635,352	7.54	0.00		< HS	accept
Notes											

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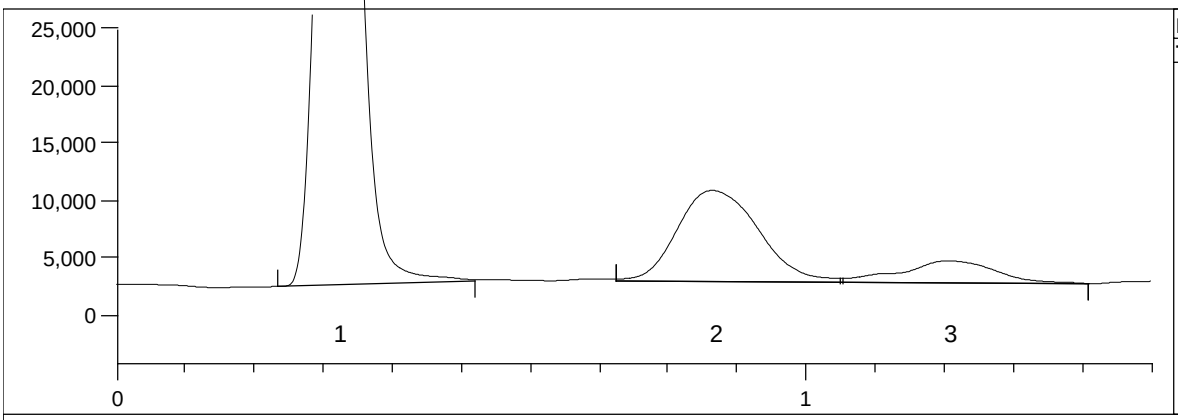
Peak Report

Batch Number: B140445
Method Number: BR-0021

Project Number(s): 1400262
Instrument ID: HGAA2

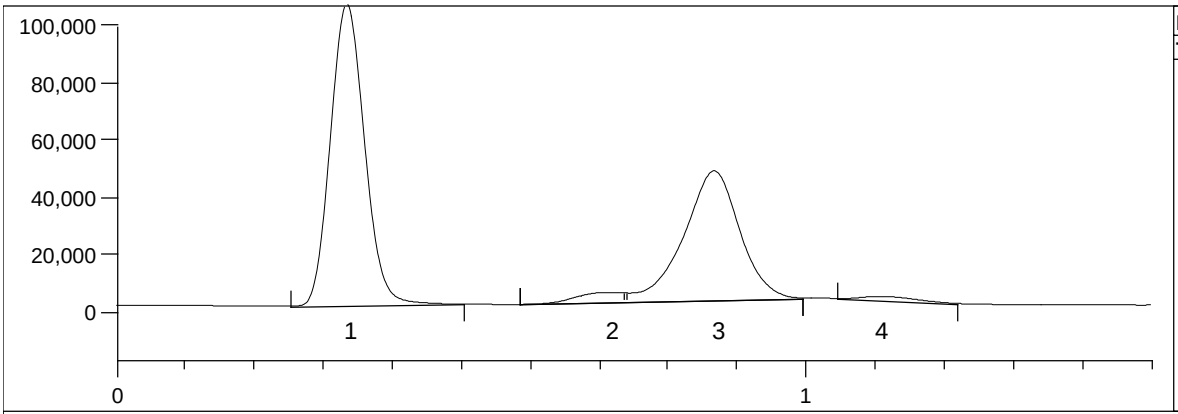
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 11:07 AM

Peak	rt	Area
1	0.32	3,277,893
2	0.86	628,413
3	1.20	172,761

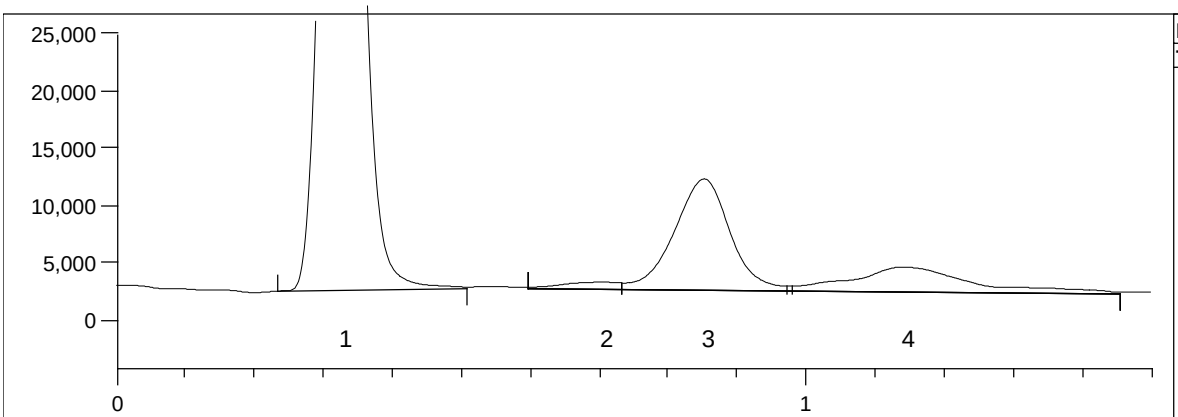
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
34		S	1411043-09RE1		2	628,413	2.90	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 11:12 AM

Peak	rt	Area
1	0.33	3,626,319
2	0.71	171,759
3	0.86	2,551,935
4	1.10	73,198

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
35		S	B140445-MS2		3	2,551,935	11.8	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 11:19 AM

Peak	rt	Area
1	0.32	3,269,815
2	0.70	26,703
3	0.85	533,693
4	1.14	226,033

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
36		S	B140445-DUP2		3	533,693	2.46	0.00		< HS	accept
Notes											

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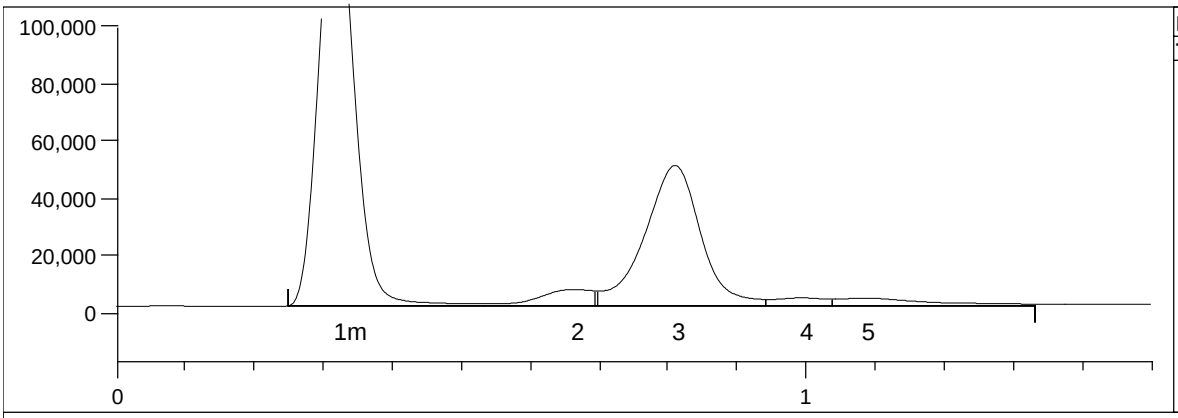
Peak Report

Batch Number: B140445
Method Number: BR-0021

Project Number(s): 1400262
Instrument ID: HGAA2

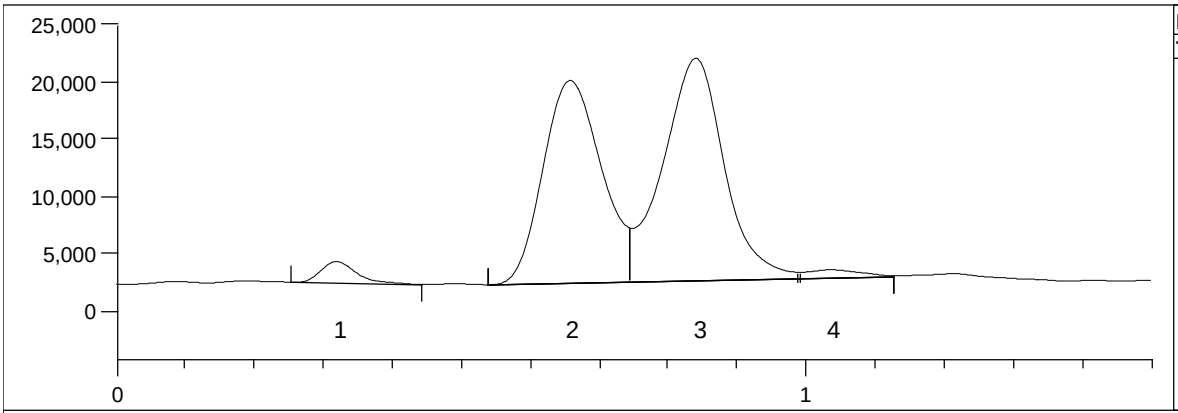
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 11:23 AM

Peak	rt	Area
1m	0.31	5,221,350
2	0.66	268,741
3	0.81	2,708,772
4	0.99	114,187
5	1.08	164,032

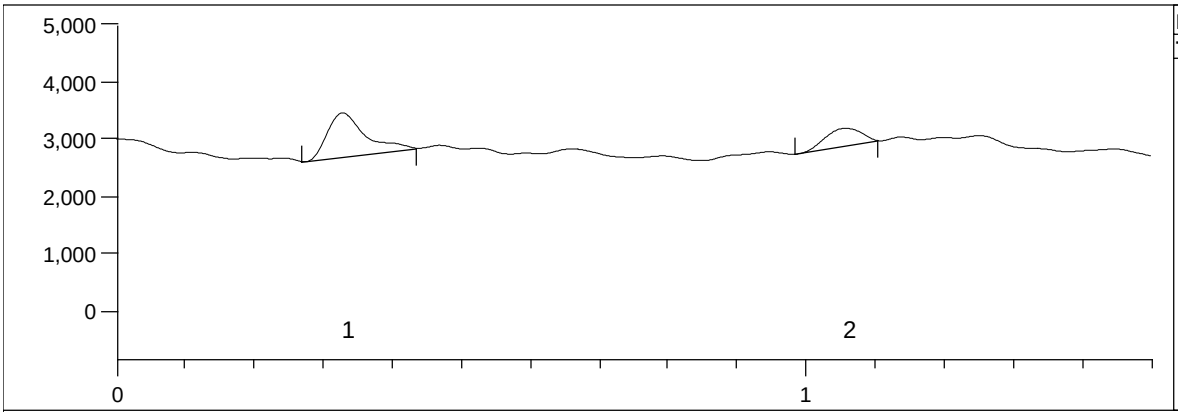
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
37		S	B140445-MSD2		3	2,708,772	12.5	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 11:28 AM

Peak	rt	Area
1	0.32	68,261
2	0.65	1,055,317
3	0.84	1,198,672
4	1.03	33,054

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
38		OPR	SEQ-CCV		3	1,198,672	5.53		111	80-120	accept
Notes											



Date: 3/29/14
Time: 11:32 AM

Peak	rt	Area
1	0.32	29,992
2	1.05	12,015

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
39		CCB	SEQ-CCB			0	0.00		0.00	< 0.4	accept
Notes											

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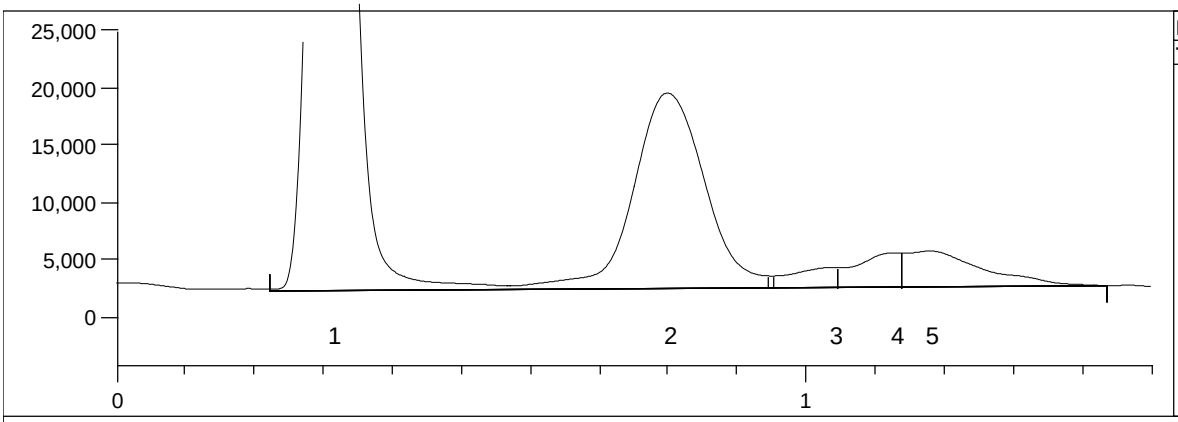
Peak Report

Batch Number: B140445
Method Number: BR-0021

Project Number(s): 1400262
Instrument ID: HGAA2

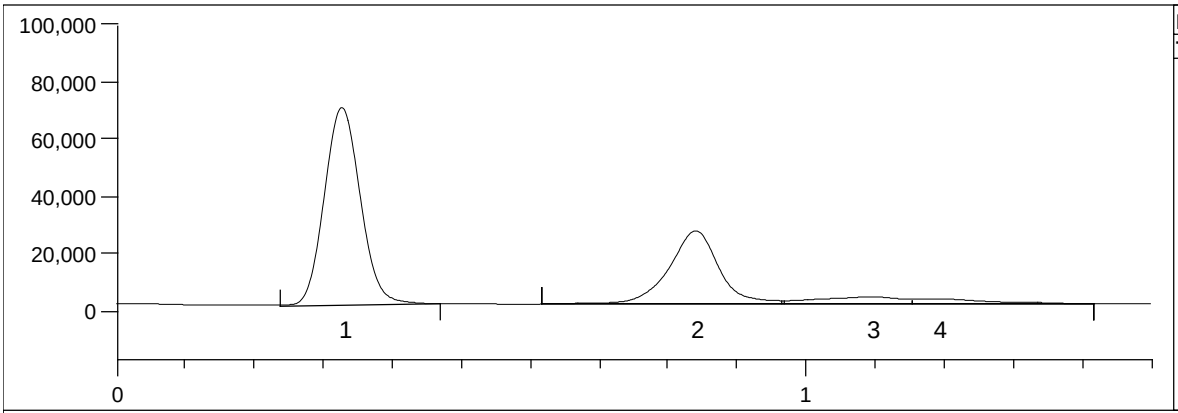
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 11:37 AM

Peak	rt	Area
1	0.31	3,998,889
2	0.80	1,221,197
3	1.04	78,910
4	1.12	134,180
5	1.18	234,008

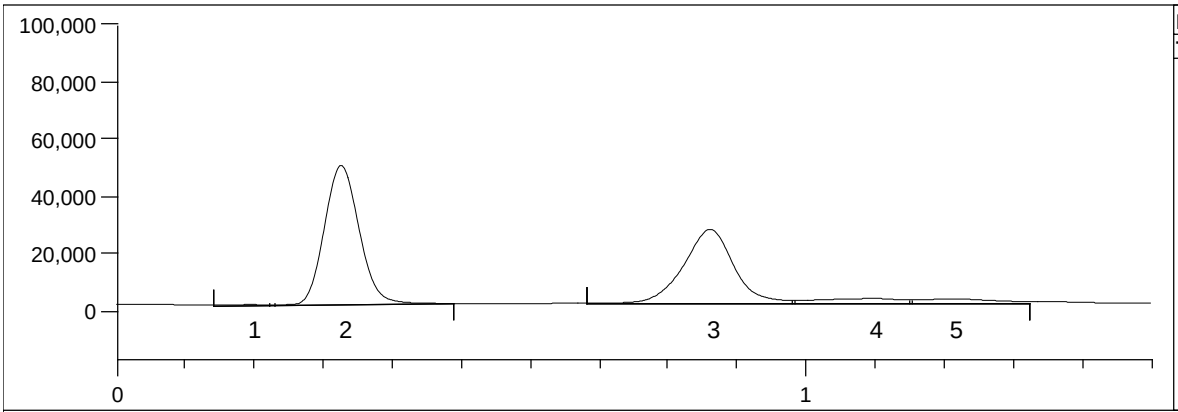
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
40		S	1411043-10		2	1,221,197	5.63	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 11:43 AM

Peak	rt	Area
1	0.32	2,492,316
2	0.84	1,295,795
3	1.09	208,313
4	1.19	121,316

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
41		S	1411043-11		2	1,295,795	5.98	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 11:48 AM

Peak	rt	Area
1	0.19	4,295
2	0.32	1,706,868
3	0.86	1,284,696
4	1.09	103,488
5	1.21	65,727

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
42		S	1411043-12		3	1,284,696	5.92	0.00		< HS	accept
Notes											

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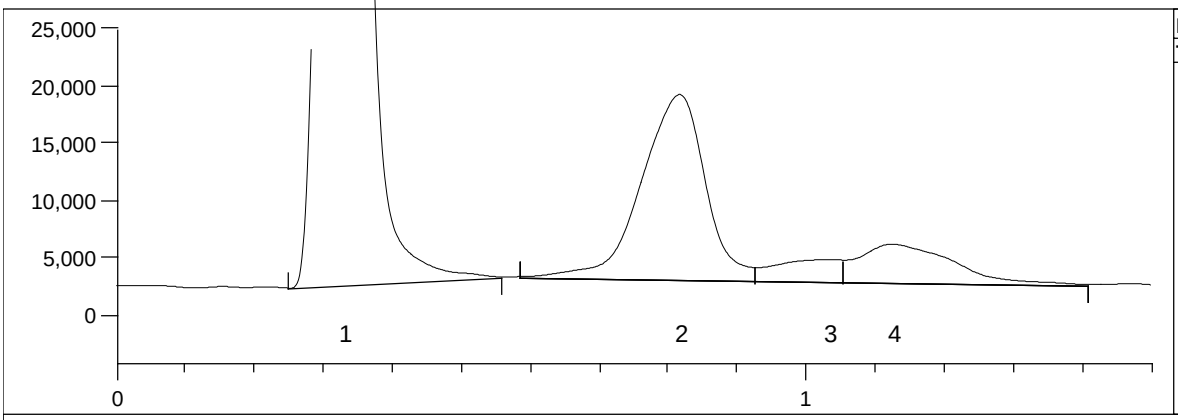
Peak Report

Batch Number: B140445
Method Number: BR-0021

Project Number(s): 1400262
Instrument ID: HGAA2

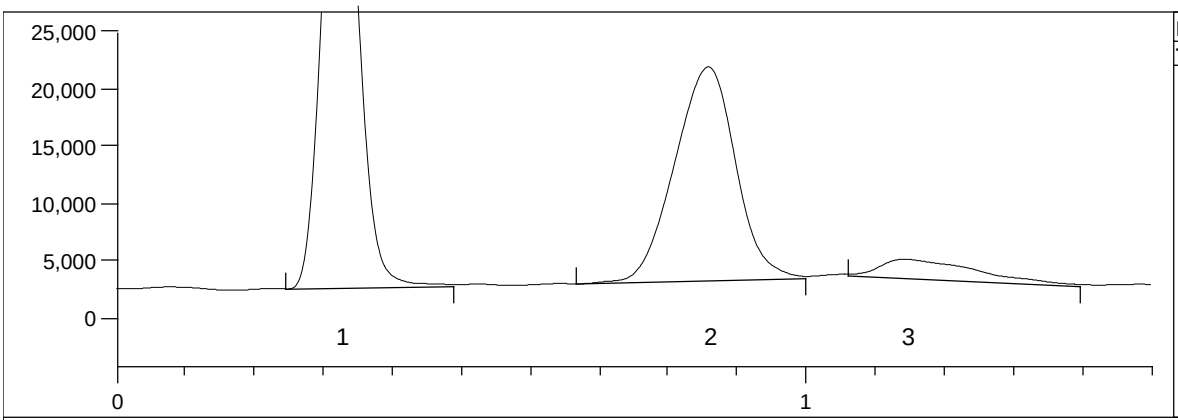
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 11:52 AM

Peak	rt	Area
1	0.32	6,645,421
2	0.81	1,029,981
3	1.03	121,791
4	1.12	300,179

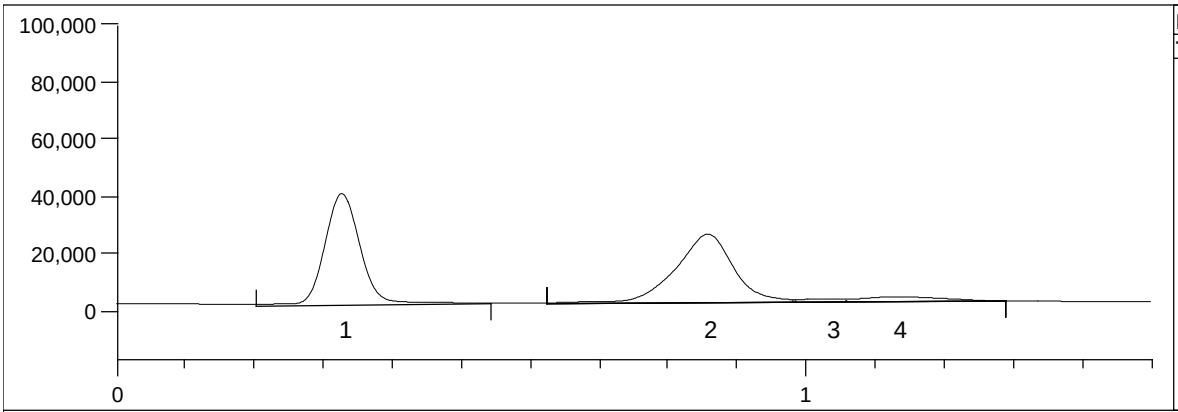
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
43		S	1411043-13		2	1,029,981	4.75	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 12:03 PM

Peak	rt	Area
1	0.32	1,661,173
2	0.85	1,138,473
3	1.14	136,866

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
44		S	1411043-14		2	1,138,473	5.25	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 12:08 PM

Peak	rt	Area
1	0.32	1,335,782
2	0.85	1,378,567
3	1.03	43,588
4	1.13	133,949

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
45		S	1411043-15		2	1,378,567	6.36	0.00		< HS	accept
Notes											

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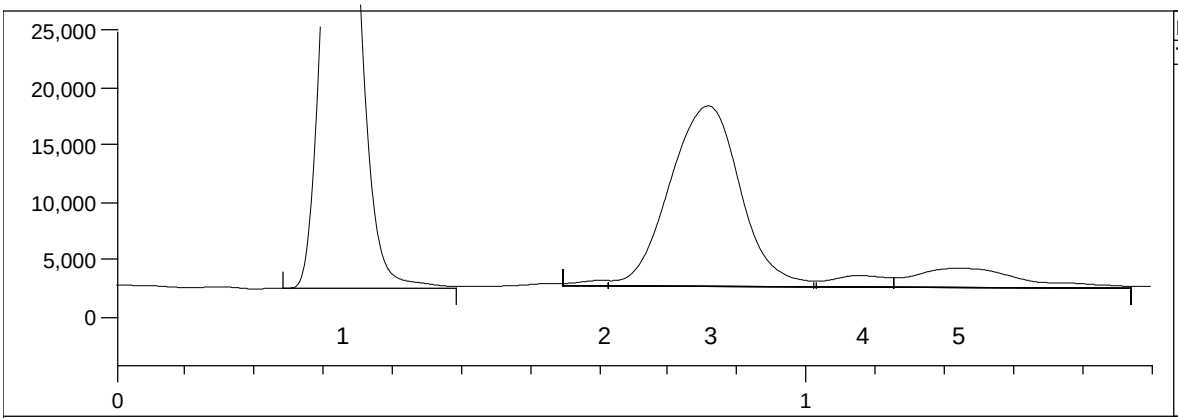
Peak Report

Batch Number: B140445
Method Number: BR-0021

Project Number(s): 1400262
Instrument ID: HGAA2

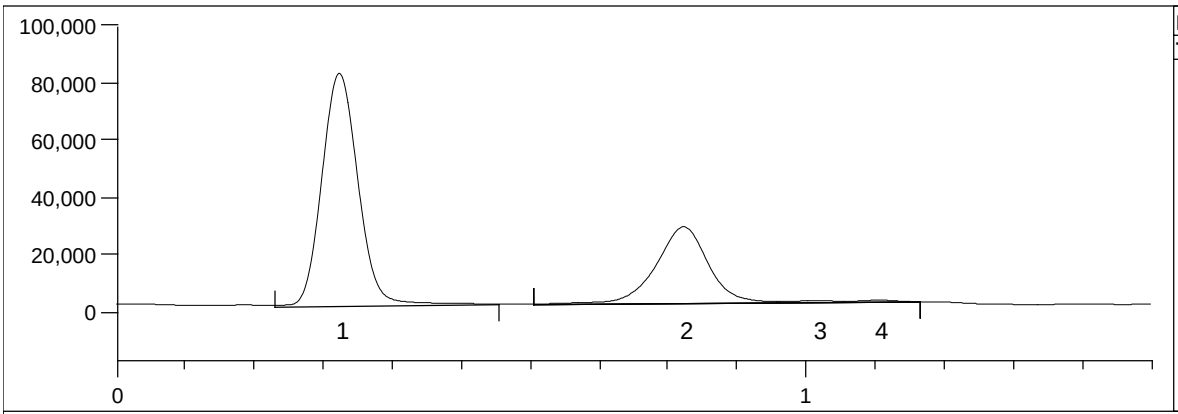
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 12:12 PM

Peak	rt	Area
1	0.32	1,881,513
2	0.70	6,994
3	0.85	1,094,109
4	1.07	44,788
5	1.21	147,869

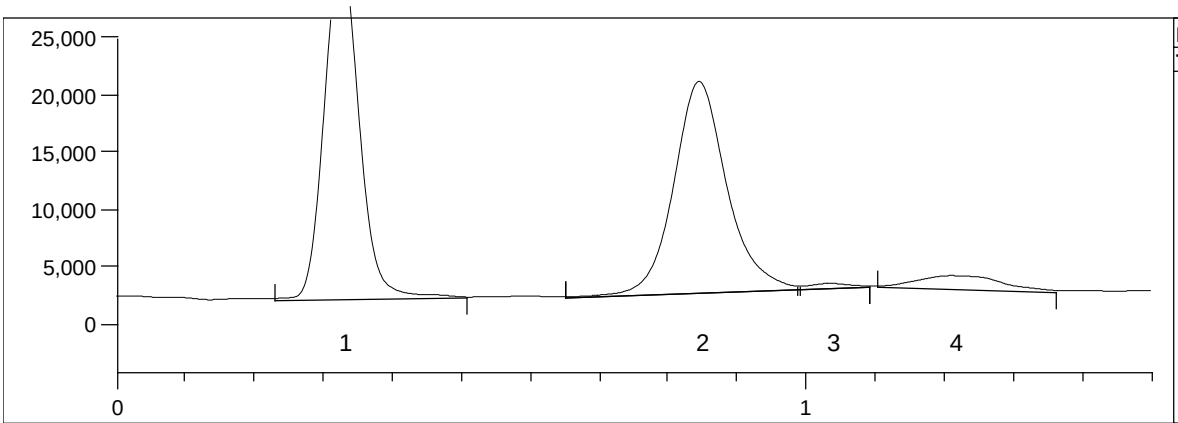
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
46		S	1411043-16		3	1,094,109	5.05	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 12:17 PM

Peak	rt	Area
1	0.32	2,919,137
2	0.82	1,393,929
3	1.01	27,420
4	1.10	25,834

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
47		S	1411043-17		2	1,393,929	6.43	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 12:22 PM

Peak	rt	Area
1	0.32	1,049,163
2	0.84	980,263
3	1.03	13,370
4	1.21	85,104

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
48		S	1411043-18		2	980,263	4.52	0.00		< HS	accept
Notes											

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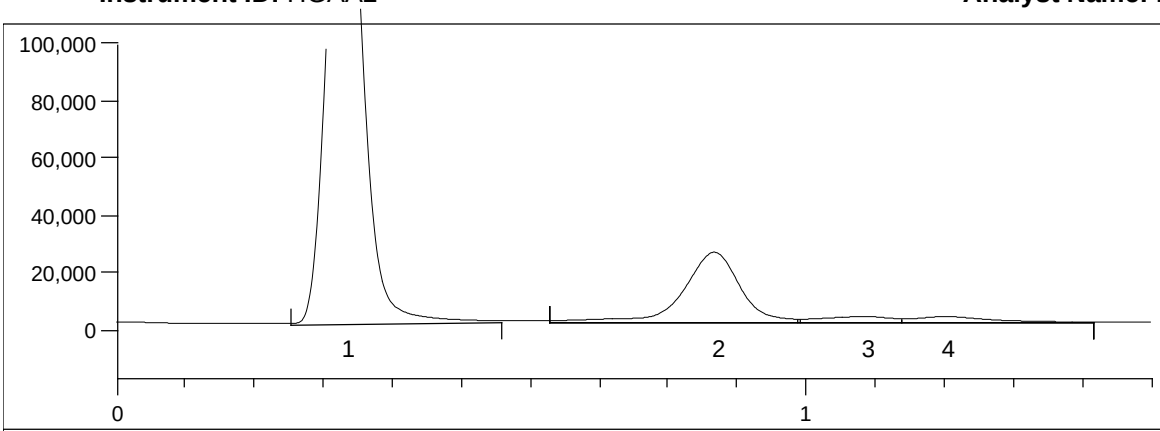
Peak Report

Batch Number: B140445
Method Number: BR-0021

Project Number(s): 1400262
Instrument ID: HGAA2

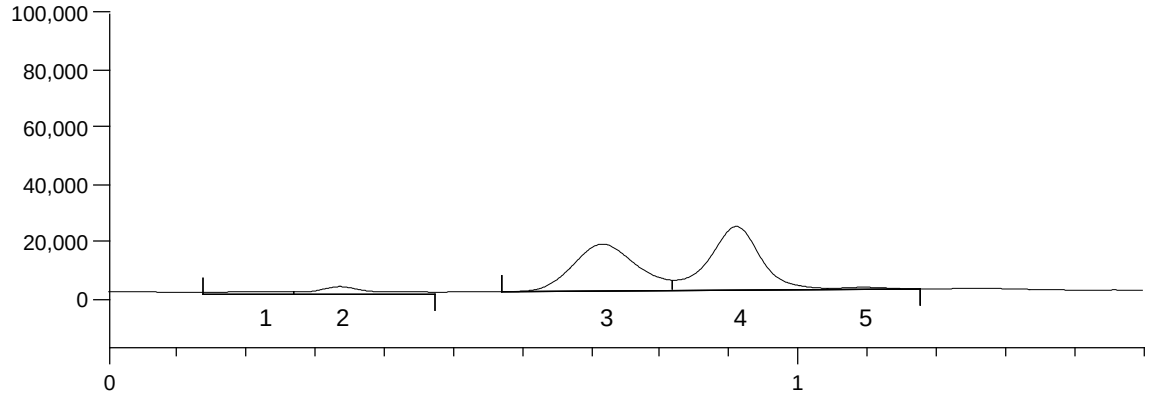
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 12:26 PM

Peak	rt	Area
1	0.32	6,633,687
2	0.86	1,296,498
3	1.08	112,277
4	1.20	113,813

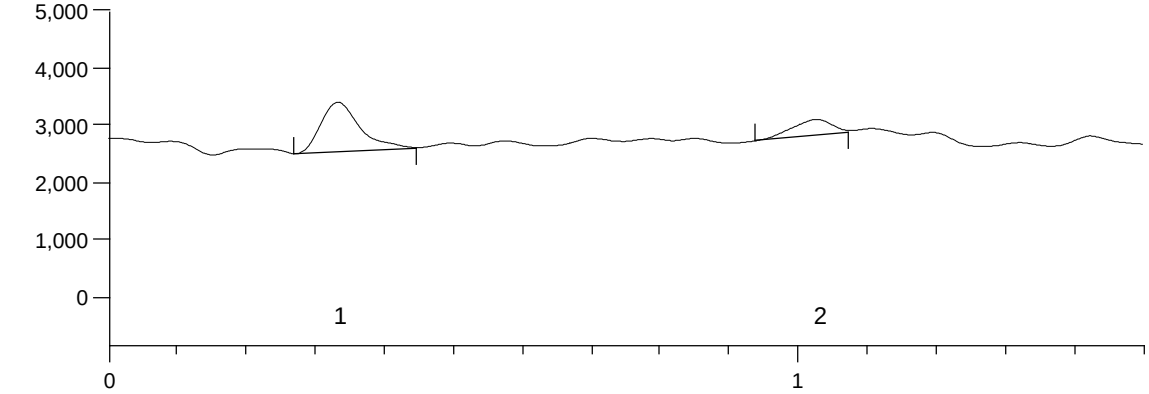
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
49		S	1411043-19		2	1,296,498	5.98	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 12:31 PM

Peak	rt	Area
1	0.22	13,421
2	0.33	72,198
3	0.71	1,067,445
4	0.91	1,160,349
5	1.09	35,084

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
50		OPR	SEQ-CCV		4	1,160,349	5.35		107	80-120	accept
Notes											



Date: 3/29/14
Time: 12:35 PM

Peak	rt	Area
1	0.33	33,915
2	1.02	10,376

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
51		CCB	SEQ-CCB			0	0.00		0.00	< 0.4	accept
Notes											

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ANALYSIS SEQUENCE

1400263

Brooks Rand Labs

Instrument: HGAAS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400263-IBL1	1400263	QC	1		-			
1400263-IBL2	1400263	QC	2		-			
1400263-IBL3	1400263	QC	3		-			
1400263-CAL1	1400263	QC	4	1410066	-			
1400263-CAL2	1400263	QC	5	1410067	-			
1400263-CAL3	1400263	QC	6	1410068	-			
1400263-CAL4	1400263	QC	7	1410069	-			
1400263-CAL5	1400263	QC	8	1410070	-			
1400263-CAL6	1400263	QC	9	1410071	-			
1400263-ICV1	1400263	QC	10	1410040	-			
1400263-ICV2	1400263	QC	11	1410041	-			
1400263-CCV1	1400263	QC	12	1410039	-			
1400263-CCB1	1400263	QC	13		-			
B140446-BLK1	B140446	QC	14		-			
B140446-BLK2	B140446	QC	15		-			
B140446-BLK3	B140446	QC	16		-			
B140446-BLK4	B140446	QC	17		-			
B140446-BS1	B140446	QC	18		-			
B140446-SRM1	B140446	QC	19		-			
B140446-SRM2	B140446	QC	20		-			
1411043-01	B140446	MMAs-B-HClExt-HGAAS	21			ARD-MV1302	4/7/2014	
B140446-DUP1	B140446	QC	22		1411043-01			
B140446-MS1	B140446	QC	23		1411043-01			
B140446-MSD1	B140446	QC	24		1411043-01			
1411043-02	B140446	MMAs-B-HClExt-HGAAS	25			ARD-MV1302	4/7/2014	
1411043-03	B140446	MMAs-B-HClExt-HGAAS	26			ARD-MV1302	4/7/2014	

ANALYSIS SEQUENCE

1400263

Brooks Rand Labs

Instrument: HGAAS-2

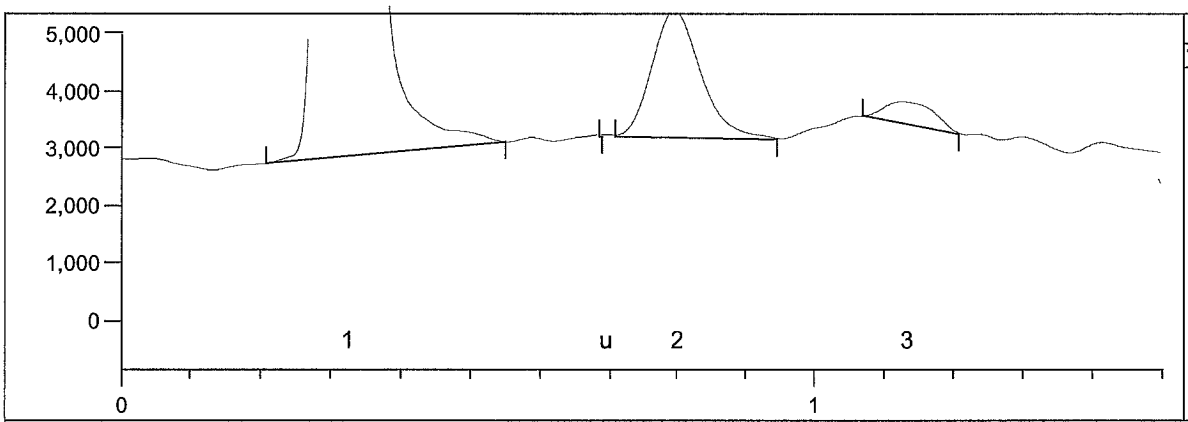
Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-04	B140446	MMAs-B-HClExt-HGAAS	27			ARD-MV1302	4/7/2014	
1411043-05	B140446	MMAs-B-HClExt-HGAAS	28			ARD-MV1302	4/7/2014	
1411043-06	B140446	MMAs-B-HClExt-HGAAS	29			ARD-MV1302	4/7/2014	
1411043-07	B140446	MMAs-B-HClExt-HGAAS	30			ARD-MV1302	4/7/2014	
1411043-08	B140446	MMAs-B-HClExt-HGAAS	31			ARD-MV1302	4/7/2014	
1411043-09	B140446	MMAs-B-HClExt-HGAAS	32			ARD-MV1302	4/7/2014	
1411043-09RE1	B140446	MMAs-B-HClExt-HGAAS	33			ARD-MV1302	4/7/2014	Added 3/29/2014 by IRJ
B140446-MS2	B140446	QC	34		1411043-09RE1			
B140446-DUP2	B140446	QC	35		1411043-09RE1			
B140446-MSD2	B140446	QC	36		1411043-09RE1			
1400263-CCV2	1400263	QC	37	1410039	-			
1400263-CCB2	1400263	QC	38		-			
1411043-10	B140446	MMAs-B-HClExt-HGAAS	39			ARD-MV1302	4/7/2014	
1411043-11	B140446	MMAs-B-HClExt-HGAAS	40			ARD-MV1302	4/7/2014	
1411043-12	B140446	MMAs-B-HClExt-HGAAS	41			ARD-MV1302	4/7/2014	
1411043-13	B140446	MMAs-B-HClExt-HGAAS	42			ARD-MV1302	4/7/2014	
1411043-14	B140446	MMAs-B-HClExt-HGAAS	43			ARD-MV1302	4/7/2014	
1411043-15	B140446	MMAs-B-HClExt-HGAAS	44			ARD-MV1302	4/7/2014	
1411043-16	B140446	MMAs-B-HClExt-HGAAS	45			ARD-MV1302	4/7/2014	
1411043-17	B140446	MMAs-B-HClExt-HGAAS	46			ARD-MV1302	4/7/2014	
1411043-18	B140446	MMAs-B-HClExt-HGAAS	47			ARD-MV1302	4/7/2014	
1411043-19	B140446	MMAs-B-HClExt-HGAAS	48			ARD-MV1302	4/7/2014	
1400263-CCV3	1400263	QC	49	1410039	-			
1400263-CCB3	1400263	QC	50		-			

Peak Report

Batch Number: B140446
Method Number: BR-0021

Project Number(s): 1400263
Instrument ID: HGAA2

Date Analyzed: 3/29/14
Analyst Name: IRJ

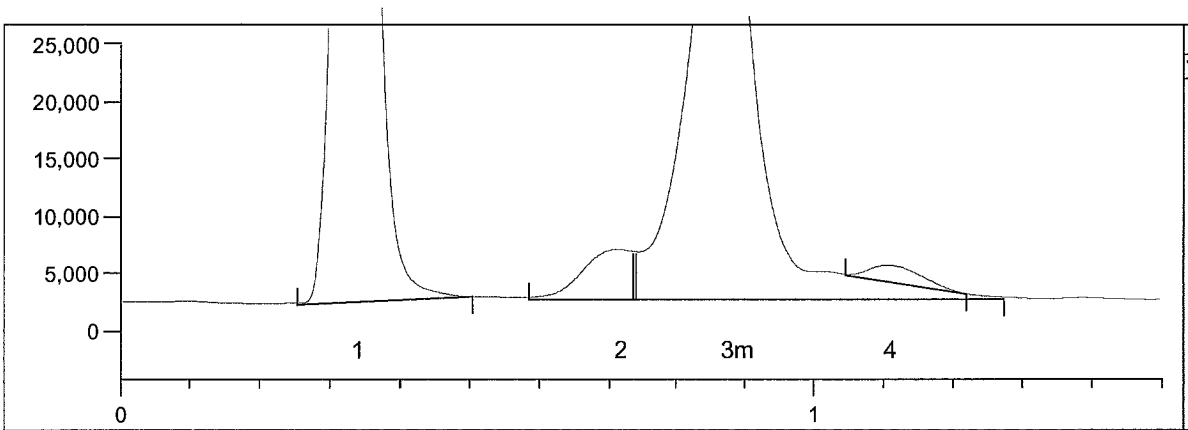


Date: 3/29/14
Time: 10:11 AM

Peak	rt	Area
1	0.32	1,833,486
2	0.79	107,210
3	1.12	18,999
u	0.69	0

CMC 4/18/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29		S	1411043-05		u	0	0.00	0.00		< HS	accept
Notes											

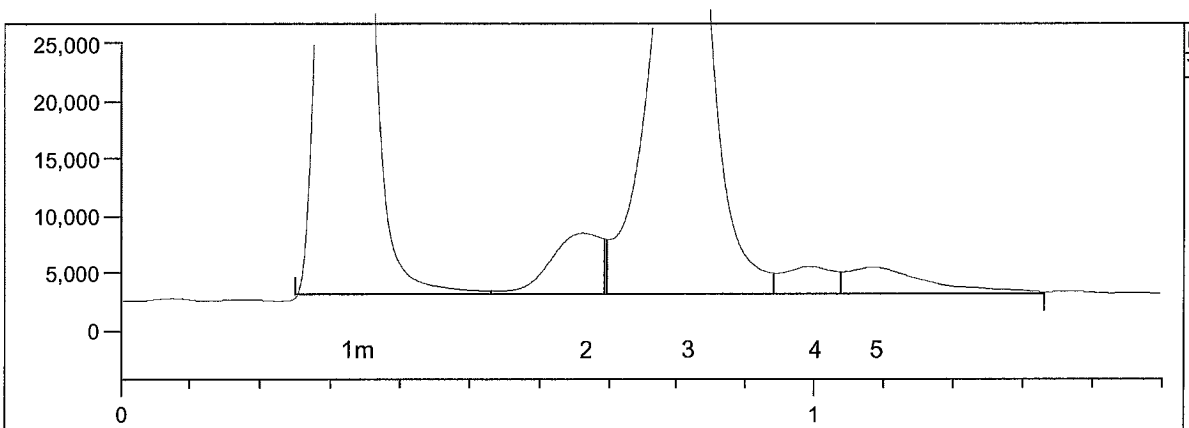


Date: 3/29/14
Time: 11:12 AM

Peak	rt	Area
1	0.33	3,626,319
2	0.71	210,826
3m	0.86	3,050,803
4	1.10	73,198

CMC 4/18/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
35		S	B140446-MS2		2	210,826	1.06	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 11:23 AM

Peak	rt	Area
1m	0.31	5,221,350
2	0.66	268,741
3	0.81	2,708,772
4	0.99	114,187
5	1.08	164,032

CMC 4/18/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
37		S	B140446-MSD2		2	268,741	1.35	0.00		< HS	accept
Notes											

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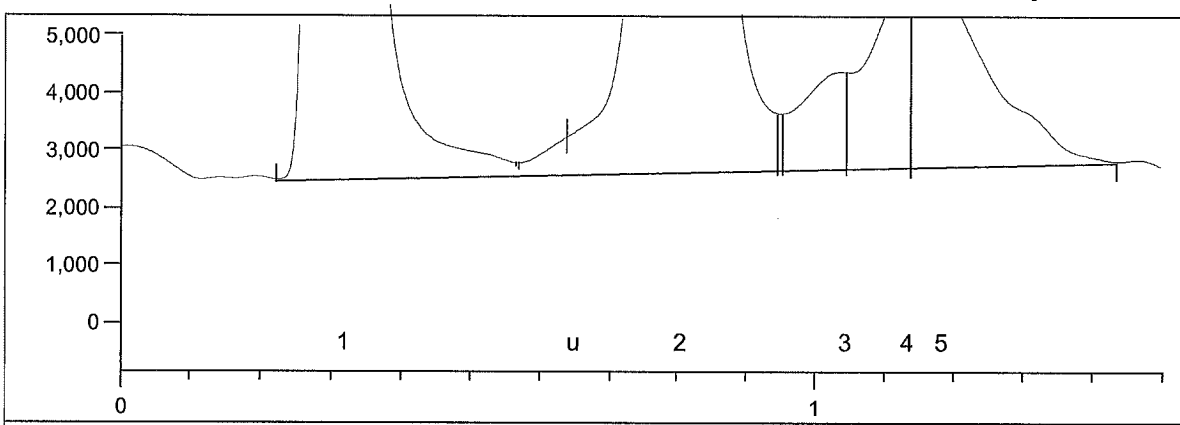
Peak Report

Batch Number: B140446
Method Number: BR-0021

Project Number(s): 1400263
Instrument ID: HGAA2

Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 11:37 AM

Peak	rt	Area
1	0.31	3,998,889
2	0.80	1,221,197
3	1.04	78,910
4	1.12	134,180
5	1.18	234,008
u	0.64	0

CMC 4/18/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
40		S	1411043-10		u	0	0.00	0.00		< HS	accept
Notes											

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Manual Integration Abbreviation Sheet

m. Modified peak shape due to split peak in Guru software

u. Unidentified peak. No peak called out in the appropriate retention time window

m1. Modified peak due to dip in hydride baseline. Peak integrated from the new baseline

m2. Modified peak due to dip in hydride baseline. Peak integrated from old baseline

dp. Double peak called out by software.

g. Analysis volume value is a mass, assumed to be equal to a volume based on an assumed density of 1.00 +/- 0.03g/mL.

As(In) ☐ As(III) ☐ MMA ☑ DMA ☑ Analysis Sheet

MMA / DMA

Sequence: 1400263/262	Batch(es): B140446/445	Matrix: Biota
Analyst: IRJ	Date: 03-29-14	Pump purge time: 2:30
Cal. blank (average): 0.000 µg/L	Cal. coefficient: 0.00502 / 0.00461	RSD: 4.43 % / 8.45 %
Method blank (average): 0.00 mg/kg	Noise: 2211	Trap(s) #: 51
Cal. Std. 10ng/mL: 14/0036	ICV Std. 100ng/mL: 14/0037/38	4% NaBH4: 1404005
6M HCl: 1409006	2.5M Tris-HCl: —	

Run #	Sample ID	Analyzed volume (mL)	Dilution Factor	Analysis comments / For QC: Source sample, standard ID, and spiked amount
1	TEST	0.500		10ng/mL Cal.
2	SEQ-IBL1	-		
3	- IBL2	-		
4	- IBL3	-		
5	- CAL1	0.050		10ng/mL Cal.
6	- CAL2	0.100		
7	- CAL3	0.200		
8	- CAL4	1.00		
9	- CAL5	2.00		
10	- CAL6	3.00		
11	- ICV1	0.050		100ng/mL MMA ICV
12	- ICV2			DMA ICV
13	- CCV1	0.500		10ng/mL Cal.
14	- CCB1	-		
15	B140445/446 - BLK1	2.00		
16	- BLK2			
17	- BLK3			
18	- BLK4			
19	- BS1			
20	- SRM1			①
21	- SRM2			
22	1411043-01			
23	B140445/446 - DUP1			native: 1411043-01
24	- MS1			

Comments: ① All sample digests run @ >0.50mL had 1.025mL anti-foam added at analysis to avoid foam-over into traps from the smaller volume bubblers.

As(In) ☐ As(III) ☐ MMA ☑ DMA ☑ Analysis Sheet

Sequence: 1400263/262 Batch: B140446/445 Analyst: IRJ Date: 03-29-14

	Run #	Sample ID	Analyzed Volume (mL)	Dilution Factor	Analysis comments / For QC: Source sample, standard ID, and spiked amount
	25	B140445/446-MSD1	2.00		① native: 1411043-01
	26	1411043-02			
	27	-03			
	28	-04			
u ~~mt~~ IRJ 4-18-14	29	-05			
	30	-06			
	31	-07			
	32	-08			
	33	-09	0.500		
	34	1411043-09RE1 IRJ 03-29-14 ~~B140445/446-DUP2~~	0.200		~~native: 1411043-09~~ IRJ 03-29-14
m2	35	B140445/446-MS2			native: 1411043-09RE1 ③
	36	-DUP2			
m2	37	-MSD2			③
	38	SEQ-CCV2	0.500		10ng/mL Cal.
	39	-CCB2	–		
m1	40	1411043-10	0.500		②
	41	-11			
	42	-12			
	43	-13			
	44	-14			
	45	-15			
	46	-16			
	47	-17			
	48	-18			
	49	-19			
	50	SEQ-CCV3	0.500		
	51	-CCB3	–		

Comments: ② Run @ such a volume to get DMA on calibration and avoid As Inorganic peak interference. All MMA are essentially N.D. IRJ 03-29-14

③ MS2/DS2 were not consistently integrated by GURU. Baselines were reintegrated by modifying one peak and then choosing the correct (MMA) peak in order to get consistent baseline and peak integration.

Total As / Total Se / As Species Ing, III, MMA/DMA (circle)

Methods BR-0020 Rev _____ (HGAAS) & BR-0021 Rev _____ Mod. of EPA 1632 (HGAAS) - circle

BRL Report 1411043

Matrix: Water / Sediment / Biota / Other_____ (circle one)

Batch #(s): B140443,4,5,6 Preparation Start Date/Time*: 03-26-14 / 1535 Page 1 of 2

* Time is when the first reagents are added.

Prepared By: IRJ

Balance ID: BL-08

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
1411043-01	0.5015	
1411043-02	0.5133	
1411043-03	0.5291	
1411043-04	0.5001	
1411043-05	0.5280	
1411043-06	0.4647	
1411043-07	0.4862	
1411043-08	0.5728	
1411043-09	0.5366	
1411043-10	0.5277	
1411043-11	0.5174	
1411043-12	0.5276	
1411043-13	0.5134	
1411043-14	0.5406	
1411043-15	0.5180	
1411043-16	0.4986	
1411043-17	0.5613	

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
1411043-18	0.4860	
1411043-19	0.5087	
B140443-DUP1	0.4913	Ing/III/MMA/DMA
B140443-DUP2	0.4939	Ing/III/MMA/DMA
B140443-MS1	0.4981	Ing/III
B140443-MSD1	0.5512	Ing/III
B140443-MS2	0.5550	Ing/III
B140443-MSD2	0.5214	Ing/III
B140445-MS1	0.5348	MMA/DMA
B140445-MSD1	0.5518	MMA/DMA
B140445-MS2	0.5240	MMA/DMA
B140445-MSD2	0.5609	MMA/DMA
B140445-SRM1	0.2796	Ing/III/MMA/DMA
IRJ 03-26-14		

Batch QC ID	Sample Source	Spike Added (mL)	Spike Concentration (ug/mL)	Spike ID	Spike Witness Initials/Date
B140443/444 BS1	–	0.500	0.10	1410002 ✓	TMA 3/26/14
B140444- BS2	–	↓	↓	1410006 ✓	
B140445/446 ~~BS3~~ BS1 (IRJ 03-26-14)	–	0.5/0.5	0.10/0.10	1410037/1410038 ✓	
B140443 MS/MSD1	43-01	0.500	0.10	1410006 ✓	
B140443 MS/MSD2	43-09	0.050	10	↓ 1410005 ✓	
B140445 MS/MSD1	43-01	0.50/~~2.05~~ 0.50	0.10/0.10	1410037/1410038 ✓	
B140445 MS/MSD2	43-09	↓/0.050	↓/10	↓ ✓/1410035 ✓	

IRJ 03-26-14

Target Digestion Temperature = 75-85°C

Reagents Added (ID/Amount Added)
2 M HCl (1409005/10mL)
or 6 M HCl (1409006/10mL)

Measured Temperature*, Time On / Time Off, Date
82, 82°C 03-26-14 1600
16 hour timer (03-27-14 @ 0800)

Thermometer ID: 8R-02

* Both measured and corrected temperatures must be recorded

Final Volume of Preparation: 10mL
~~Volume of Prep Subsampled:~~
~~Dilution Media:~~ IRJ 03-26-14
Final Dilution Volume:

CRM, Matrix, Certified Values
SRM1 1337024 NIST 1568b
SRM2 ↓ ↓

Comments: Samples washed out 3.20.14 by BJT. Stored in walk in freezer.

Total As / Total Se / As Species Inorg (circle)

Methods BR-0020 Rev _____ (HGAAS) & BR-0021 Rev 004c Mod. of EPA 1632 (HGAAS) - circle

Matrix: Water / Sediment / Biota / Other_____ (circle one)

Batch #(s): B140443 Preparation Start Date/Time*: 03-26-14 / 1535 Page 2 of 2

* Time is when the first reagents are added.

Prepared By: IRJ

Balance ID: BL-08

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
(2) 1411038-01 QC1	0.2056	fine brown powder
1411038-02	0.2725	↓
1412014-01 (1)	0.2466	thick red oil 6m
1412026-01	0.4705	viscous red/brown oil
1412026-02	0.3146	↓
1412036-01	0.2570	ground millet
1412042-01	0.2628	orange flakes (carrot)
1412045-01	0.2338	green flakes (spinach)
DUP3	0.2193	
MS3	0.1971	
MSD3	0.2056	
SRM2	0.3450	

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
	IRJ	
	03-26-14	

Batch QC ID	Sample Source	Spike Added (mL)	Spike Concentration (ug/mL)	Spike ID	Spike Witness Initials/Date
B140443-MS3/D3	1411038-01	0.10	10	1410005 ✓	
		IRJ 03-26-14			3/26/14

Target Digestion Temperature = 75-85°C

Reagents Added (ID/Amount Added)

See pg. 1

IRJ 03-26-14

Measured Temperature*, Time On / Time Off, Date

See pg. 1

Thermometer ID: IR-7

* Both measured and corrected temperatures must be recorded

03-26-14

Final Volume of Preparation: 10mL

Volume of Prep Subsampled:

Dilution Media: IRJ 03-26-14

Final Dilution Volume:

CRM, Matrix, Certified Values

Comments: (1) pipetted, but mass recorded and no volume measured.

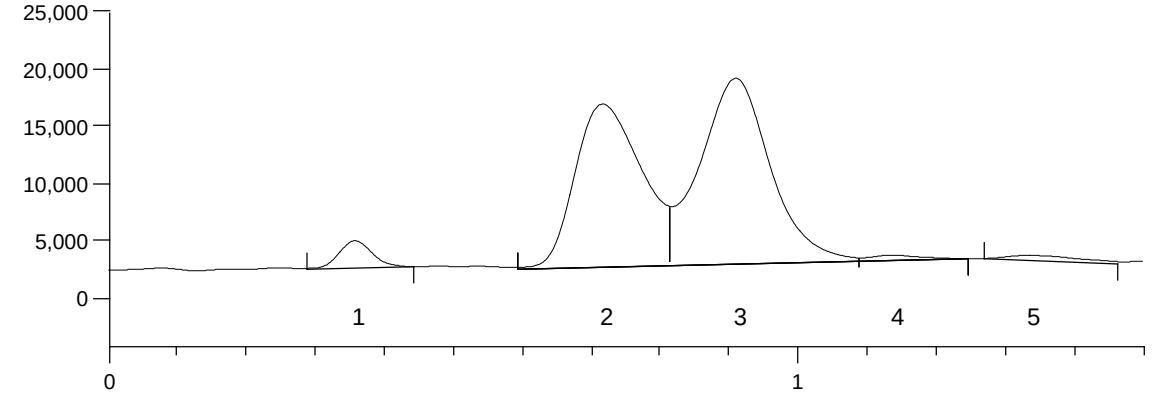
(2) w/o on 3-26-14 by IRJ

Peak Report

Batch Number: B140446
Method Number: BR-0021

Project Number(s): 1400263
Instrument ID: HGAA2

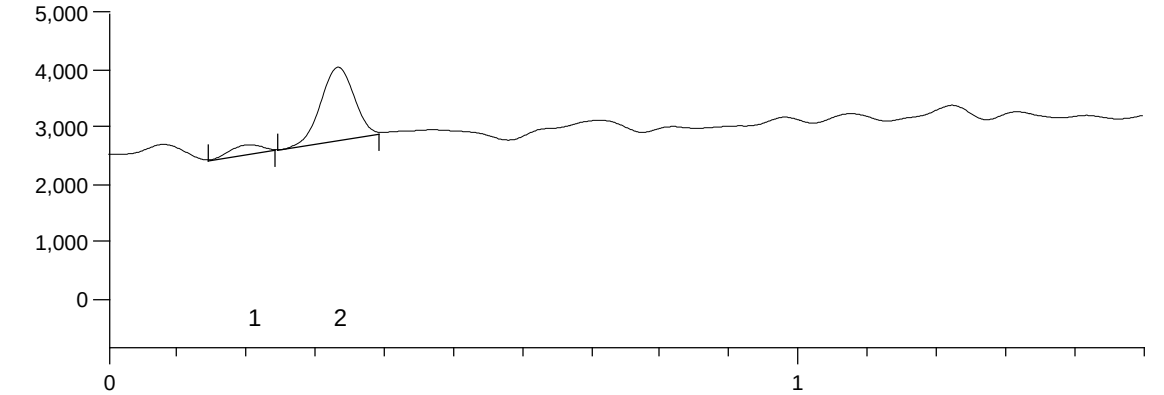
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 7:46 AM

Peak	rt	Area
1	0.35	77,919
2	0.71	955,629
3	0.90	1,140,985
4	1.13	21,307
5	1.33	22,694

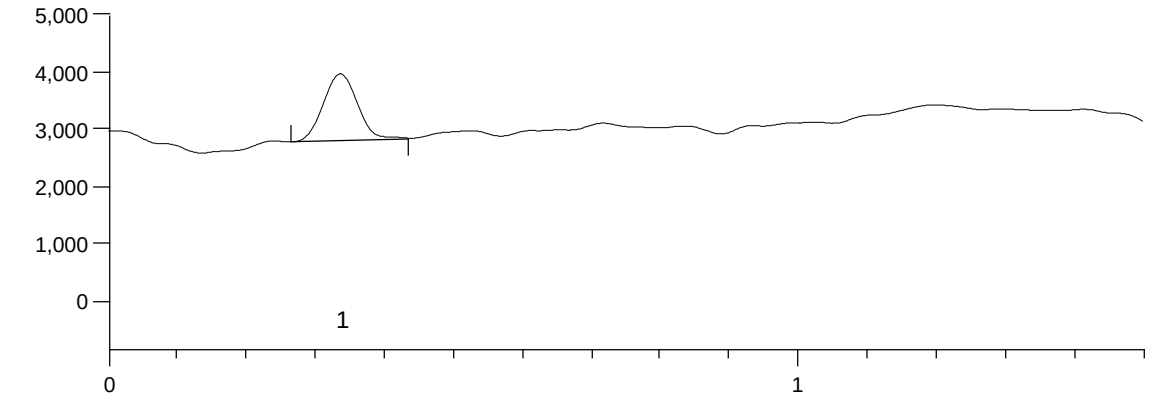
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1		S	TEST		2	955,629	4.80	0.00		< HS	reject
Notes											



Date: 3/29/14
Time: 7:50 AM

Peak	rt	Area
1	0.20	5,255
2	0.33	42,804

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2		CB	SEQ-IBL1			0	0.00		0.00	< 0.4	accept
Notes											



Date: 3/29/14
Time: 7:55 AM

Peak	rt	Area
1	0.33	39,751

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3		CB	SEQ-IBL2			0	0.00		0.00	< 0.4	accept
Notes											

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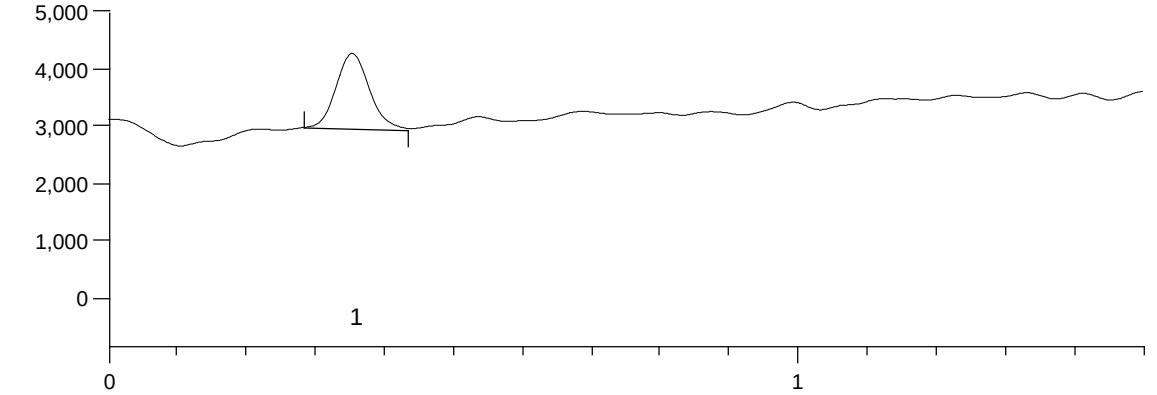
Peak Report

Batch Number: B140446
Method Number: BR-0021

Project Number(s): 1400263
Instrument ID: HGAA2

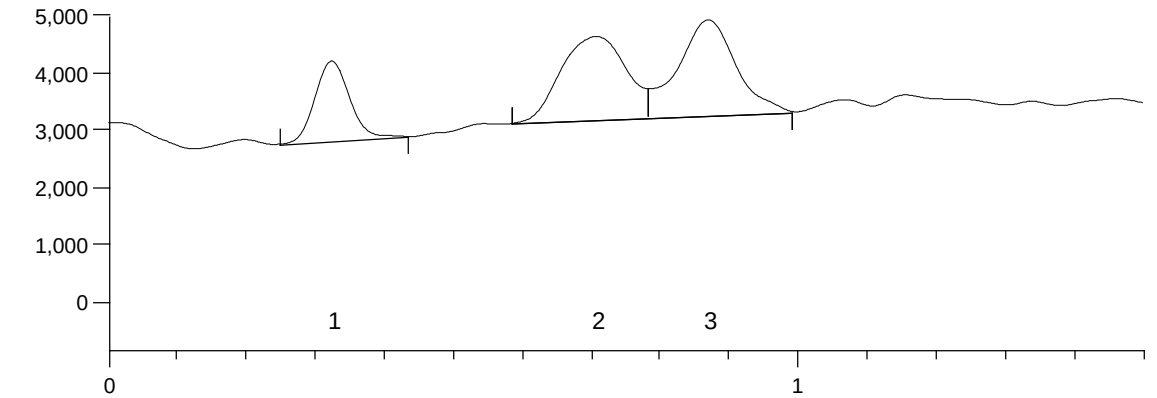
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 8:00 AM

Peak	rt	Area
1	0.35	42,592

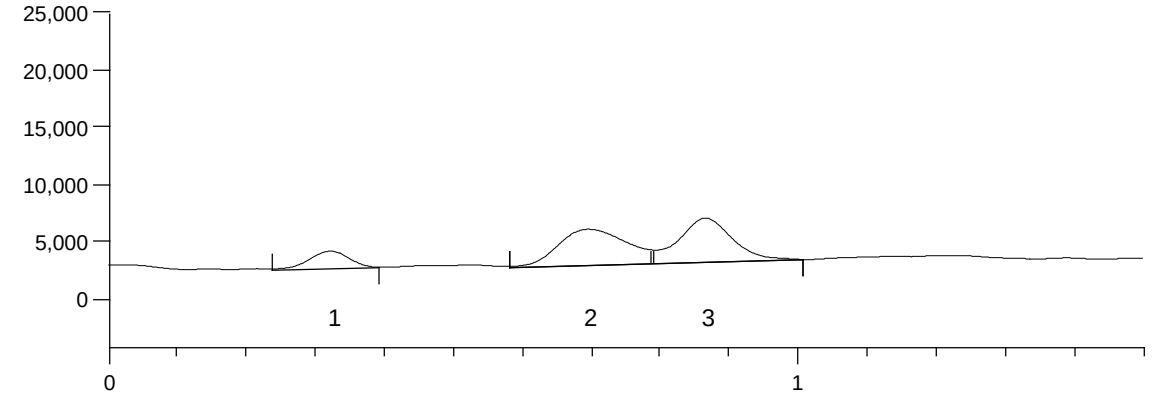
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4		CB	SEQ-IBL3			0	0.00		0.00	< 0.4	accept
Notes											



Date: 3/29/14
Time: 8:05 AM

Peak	rt	Area
1	0.32	48,797
2	0.70	96,579
3	0.86	96,844

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5		STD	SEQ-CAL1		2	96,579	0.485		97.0	80-120	accept
Notes											



Date: 3/29/14
Time: 8:09 AM

Peak	rt	Area
1	0.32	55,991
2	0.69	213,534
3	0.86	205,757

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6		STD	SEQ-CAL2		2	213,534	1.07		107	80-120	accept
Notes											

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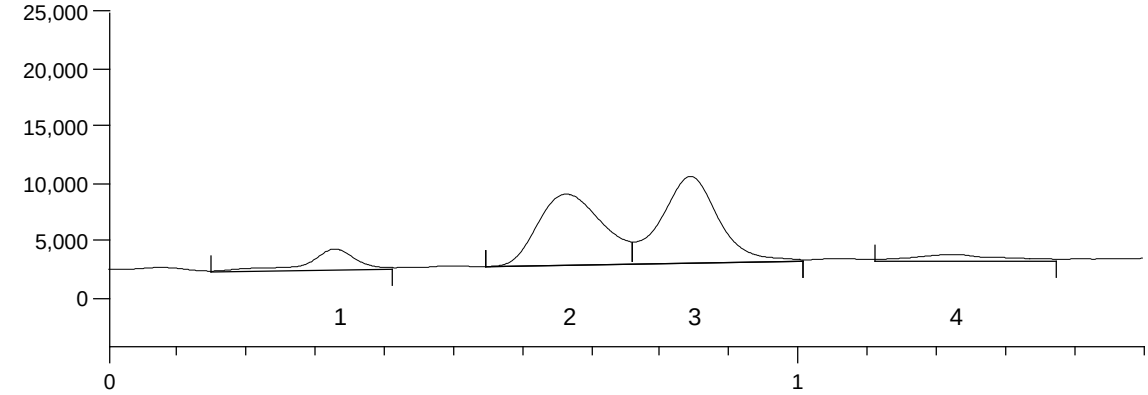
Peak Report

Batch Number: B140446
Method Number: BR-0021

Project Number(s): 1400263
Instrument ID: HGAA2

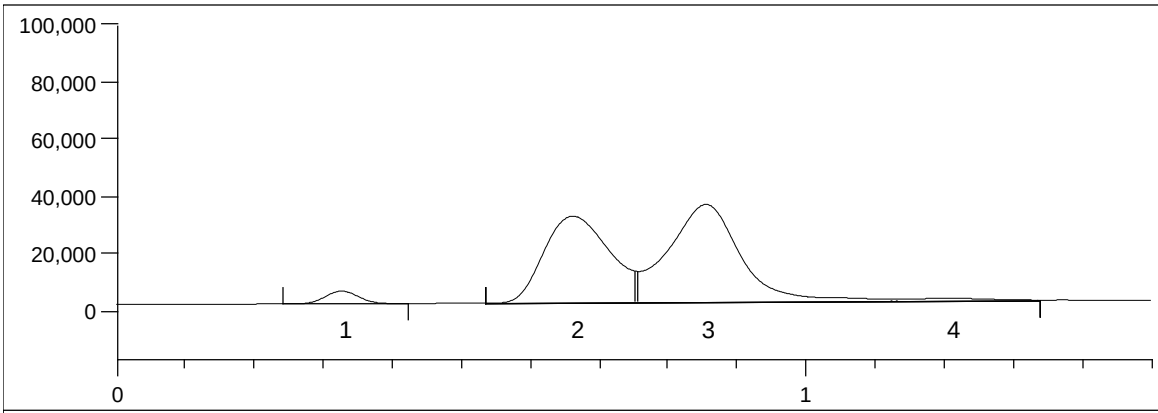
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 8:14 AM

Peak	rt	Area
1	0.32	75,688
2	0.66	407,923
3	0.84	424,183
4	1.22	27,792

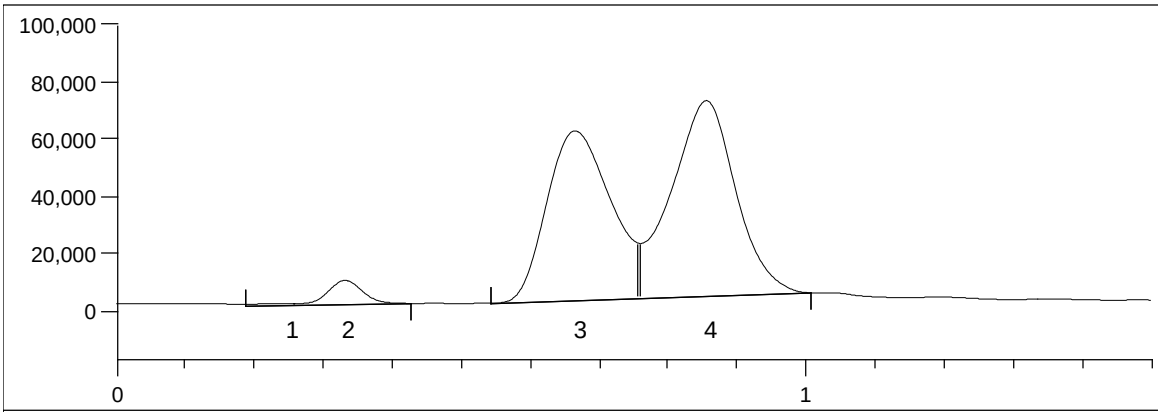
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7		STD	SEQ-CAL3		2	407,923	2.05		102	80-120	accept
Notes											



Date: 3/29/14
Time: 8:19 AM

Peak	rt	Area
1	0.32	147,369
2	0.66	2,032,508
3	0.85	2,473,069
4	1.20	62,792

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8		STD	SEQ-CAL4		2	2,032,508	10.2		102	80-120	accept
Notes											



Date: 3/29/14
Time: 8:24 AM

Peak	rt	Area
1	0.25	4,811
2	0.33	275,101
3	0.66	3,877,144
4	0.85	4,455,987

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9		STD	SEQ-CAL5		3	3,877,144	19.5		97.3	80-120	accept
Notes											

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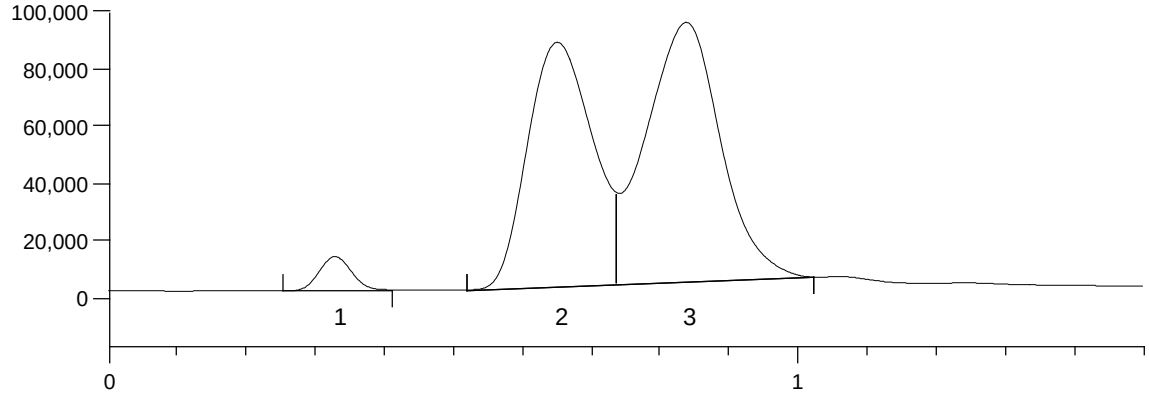
Peak Report

Batch Number: B140446
Method Number: BR-0021

Project Number(s): 1400263
Instrument ID: HGAA2

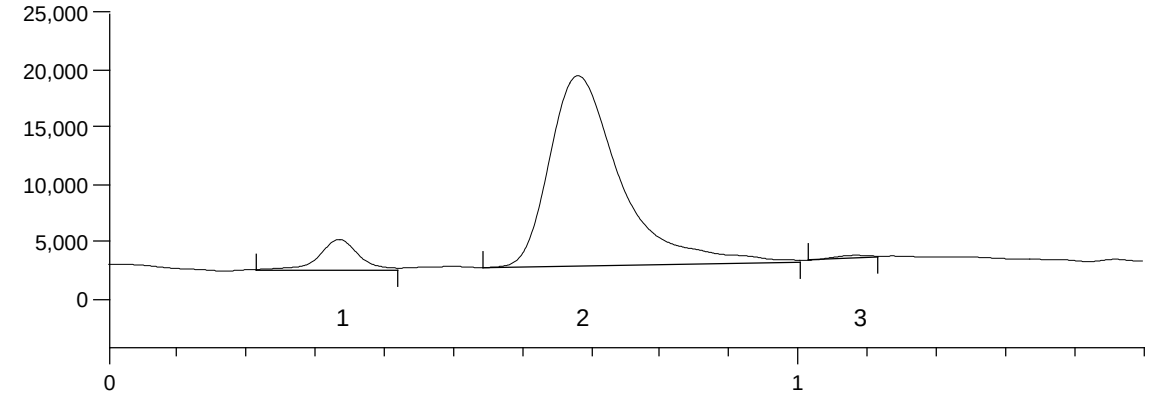
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 8:28 AM

Peak	rt	Area
1	0.32	376,678
2	0.65	5,685,754
3	0.83	6,819,585

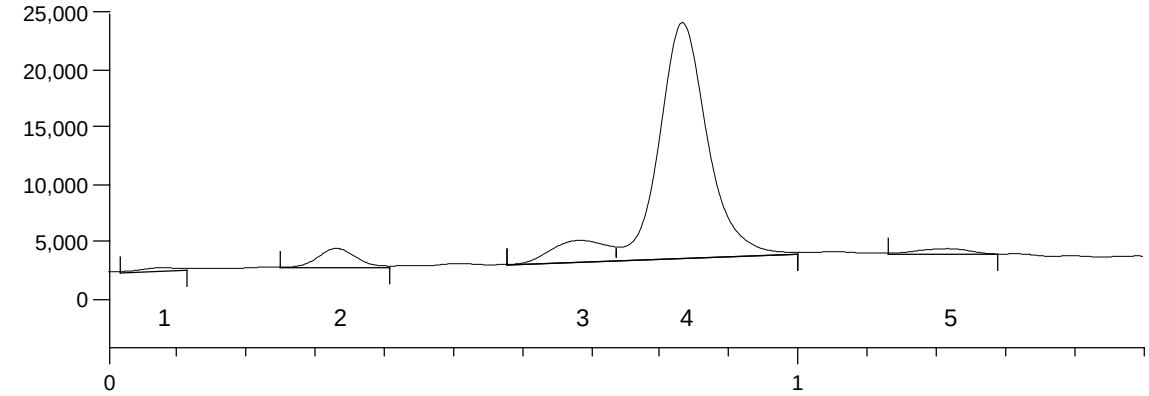
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10		STD	SEQ-CAL6		2	5,685,754	28.5		95.1	80-120	accept
Notes											



Date: 3/29/14
Time: 8:33 AM

Peak	rt	Area
1	0.33	92,635
2	0.68	1,169,716
3	1.08	6,577

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11		OPR	SEQ-ICV		2	1,169,716	5.87		117	80-120	accept
Notes											



Date: 3/29/14
Time: 8:38 AM

Peak	rt	Area
1	0.07	5,422
2	0.33	57,536
3	0.68	104,443
4	0.83	981,328
5	1.21	21,084

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12		OPR	SEQ-ICV		3	104,443	0.524		10.5	80-120	reject
Notes											

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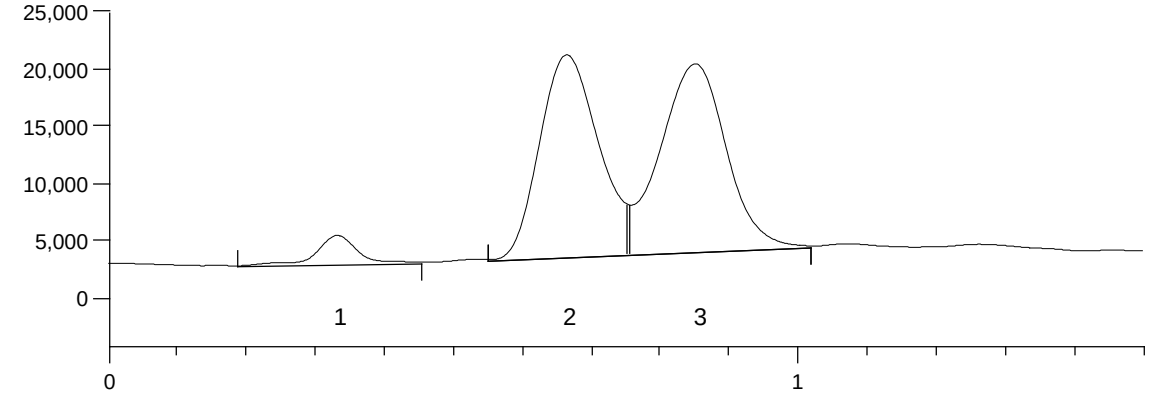
Peak Report

Batch Number: B140446
Method Number: BR-0021

Project Number(s): 1400263
Instrument ID: HGAA2

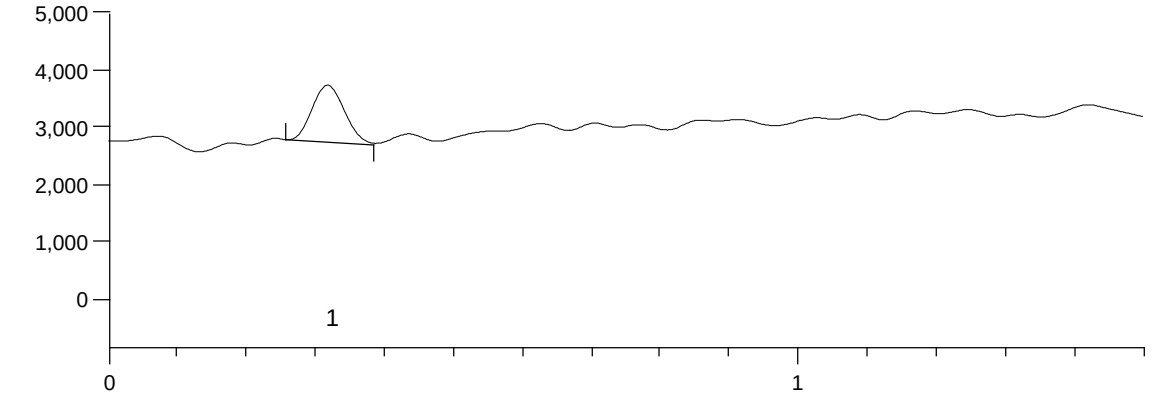
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 8:42 AM

Peak	rt	Area
1	0.33	97,404
2	0.66	1,052,679
3	0.85	1,083,624

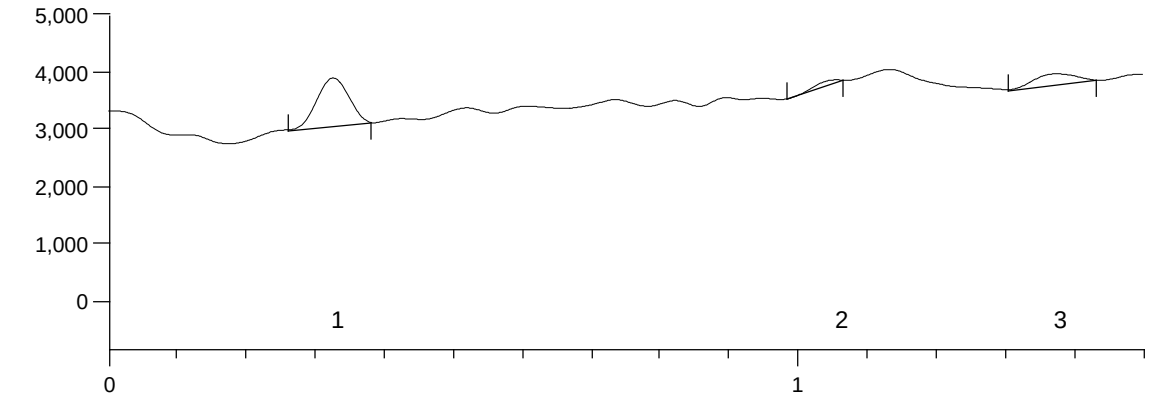
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
13		OPR	SEQ-CCV		2	1,052,679	5.28		106	80-120	accept
Notes											



Date: 3/29/14
Time: 8:47 AM

Peak	rt	Area
1	0.31	31,436

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
14		CCB	SEQ-CCB			0	0.00		0.00	< 0.4	accept
Notes											



Date: 3/29/14
Time: 8:51 AM

Peak	rt	Area
1	0.32	27,035
2	1.05	2,403
3	1.37	8,188

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
15		S	B140446-BLK1			0	0.00	0.00		< HS	accept
Notes											

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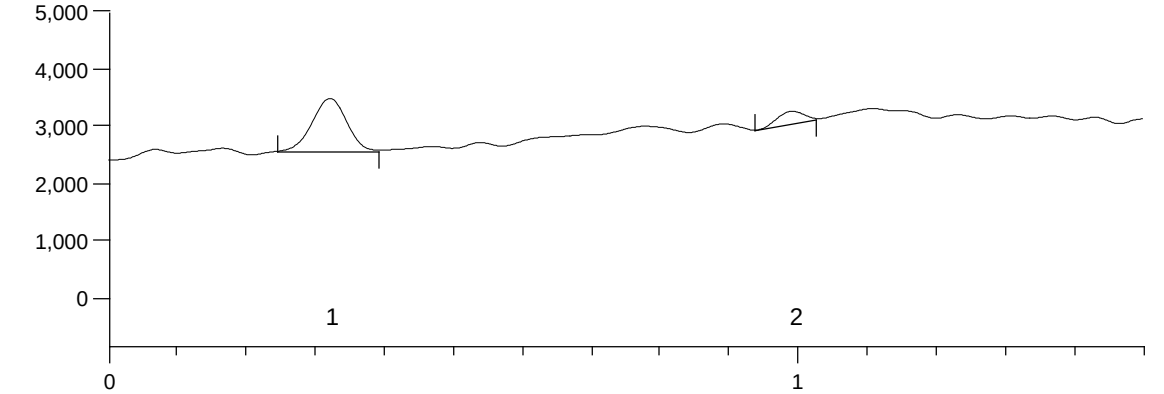
Peak Report

Batch Number: B140446
Method Number: BR-0021

Project Number(s): 1400263
Instrument ID: HGAA2

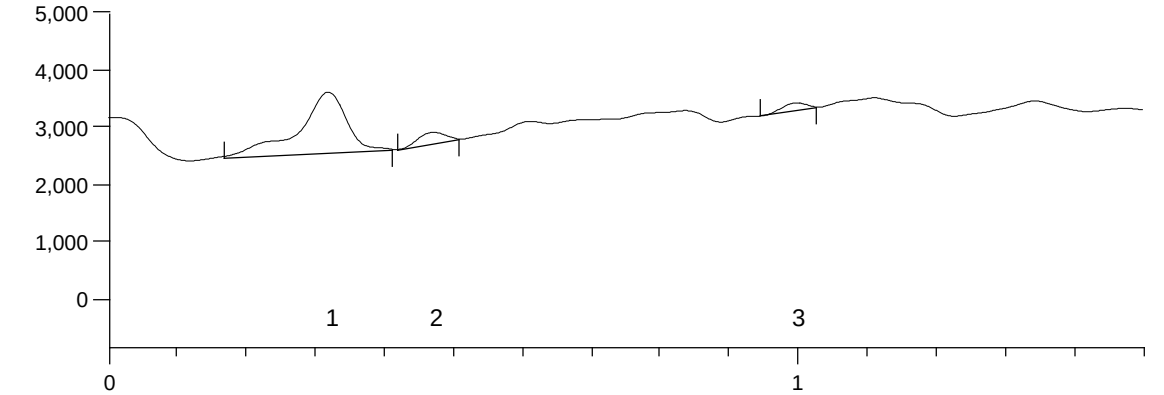
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 8:56 AM

Peak	rt	Area
1	0.32	31,023
2	0.99	5,828

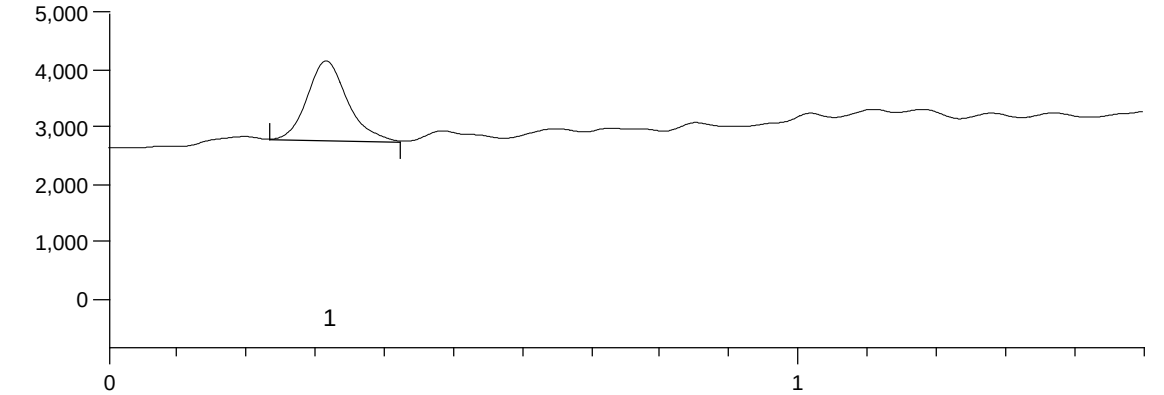
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16		S	B140446-BLK2			0	0.00	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:00 AM

Peak	rt	Area
1	0.32	49,191
2	0.47	5,551
3	0.99	3,389

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17		S	B140446-BLK3			0	0.00	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:04 AM

Peak	rt	Area
1	0.31	55,482

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18		S	B140446-BLK4			0	0.00	0.00		< HS	accept
Notes											

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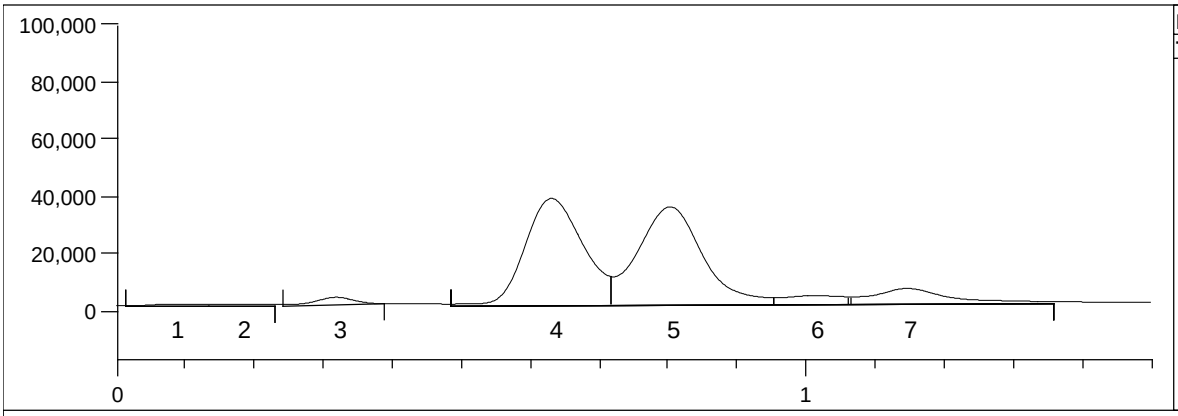
Peak Report

Batch Number: B140446
Method Number: BR-0021

Project Number(s): 1400263
Instrument ID: HGAA2

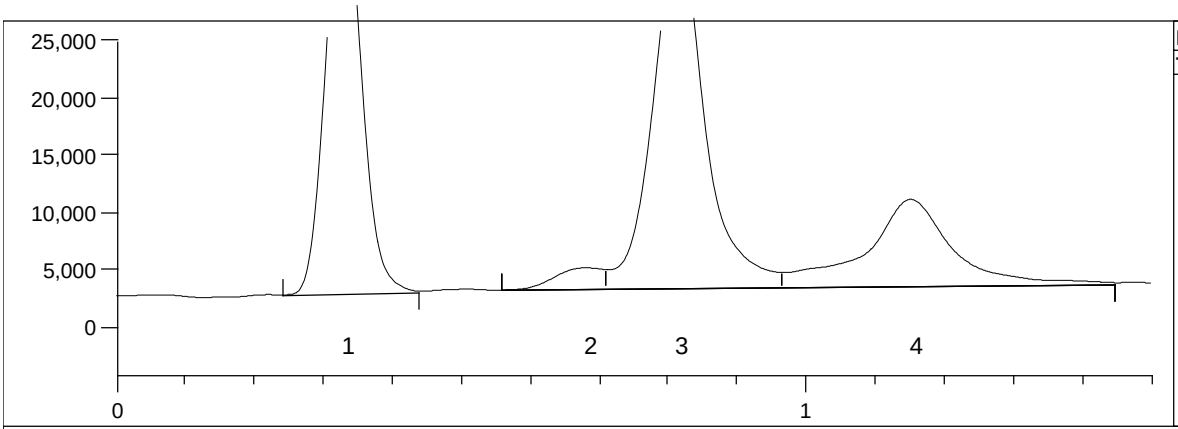
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 9:09 AM

Peak	rt	Area
1	0.08	20,702
2	0.18	9,105
3	0.32	80,606
4	0.63	2,134,680
5	0.80	2,155,746
6	1.01	147,636
7	1.14	334,377

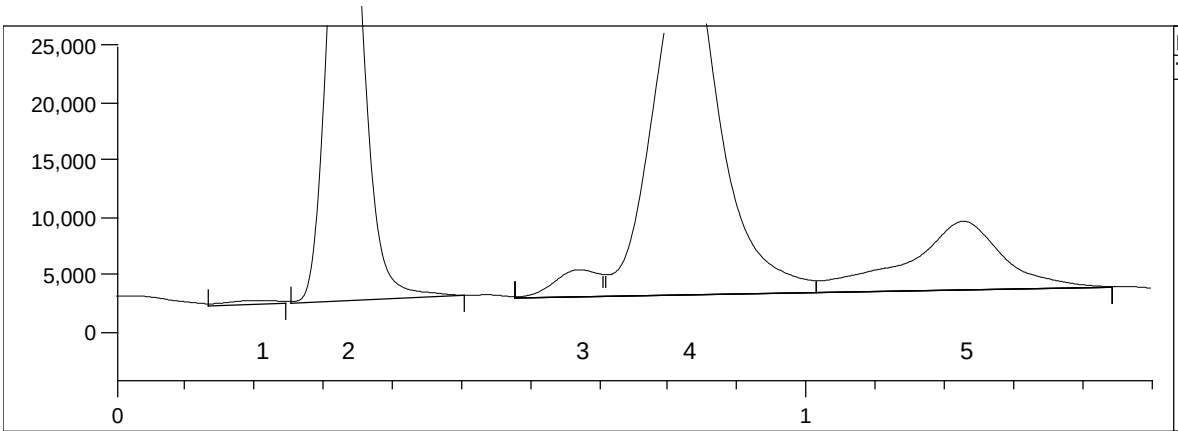
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
19		S	B140446-BS1		4	2,134,680	10.7	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:14 AM

Peak	rt	Area
1	0.32	1,294,146
2	0.68	92,366
3	0.81	1,631,780
4	1.15	642,924

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
20		S	B140446-SRM1		2	92,366	0.464	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:19 AM

Peak	rt	Area
1	0.20	6,631
2	0.33	1,590,144
3	0.67	103,280
4	0.82	2,052,314
5	1.22	565,552

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
21		S	B140446-SRM2		3	103,280	0.518	0.00		< HS	accept
Notes											

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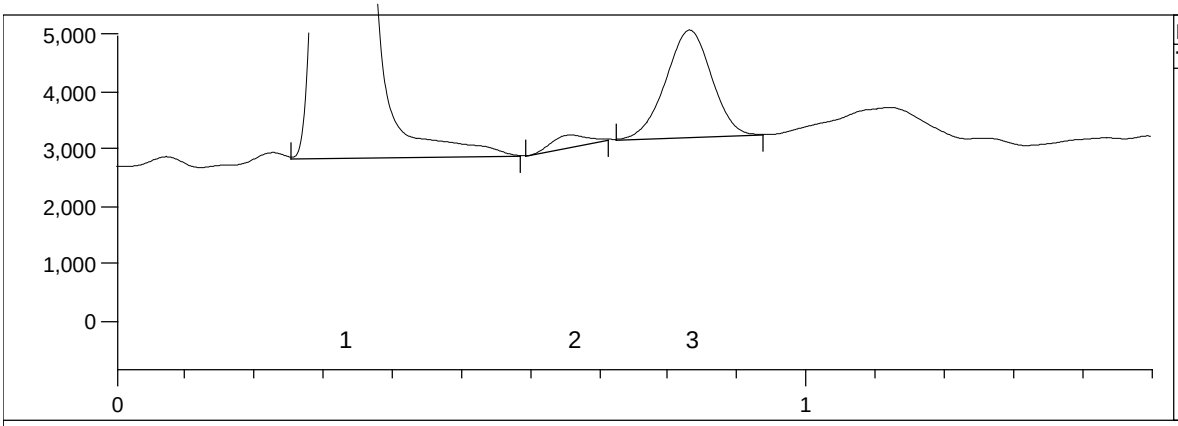
Peak Report

Batch Number: B140446
Method Number: BR-0021

Project Number(s): 1400263
Instrument ID: HGAA2

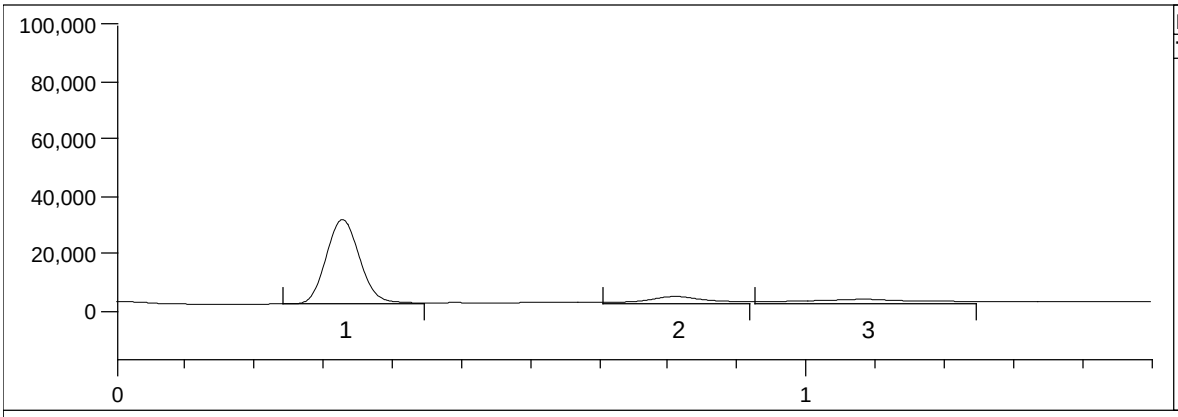
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 9:24 AM

Peak	rt	Area
1	0.32	1,115,475
2	0.66	8,081
3	0.83	85,582

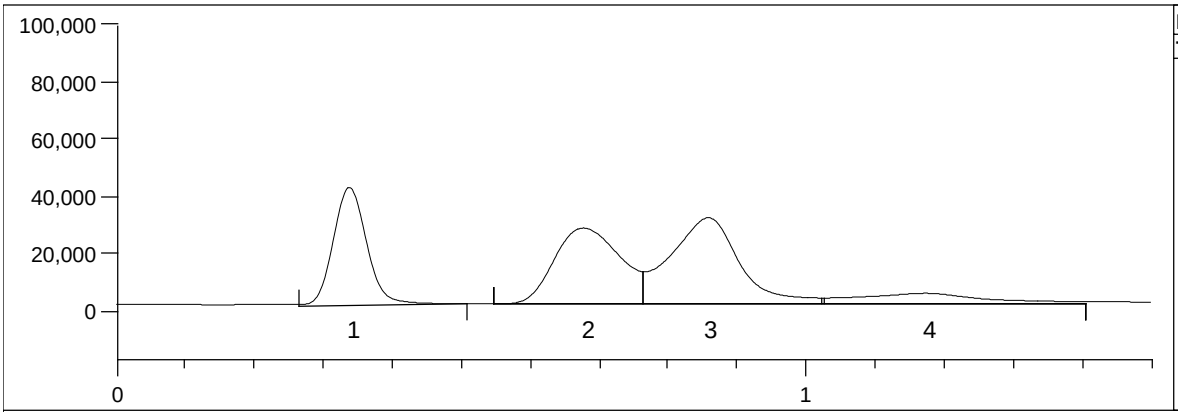
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
22		S	1411043-01		2	8,081	0.0406	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:28 AM

Peak	rt	Area
1	0.32	984,071
2	0.81	91,215
3	1.08	69,445

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
23		S	B140446-DUP1			0	0.00	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:33 AM

Peak	rt	Area
1	0.33	1,356,247
2	0.67	1,768,114
3	0.85	2,045,082
4	1.17	359,794

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24		S	B140446-MS1		2	1,768,114	8.88	0.00		< HS	accept
Notes											

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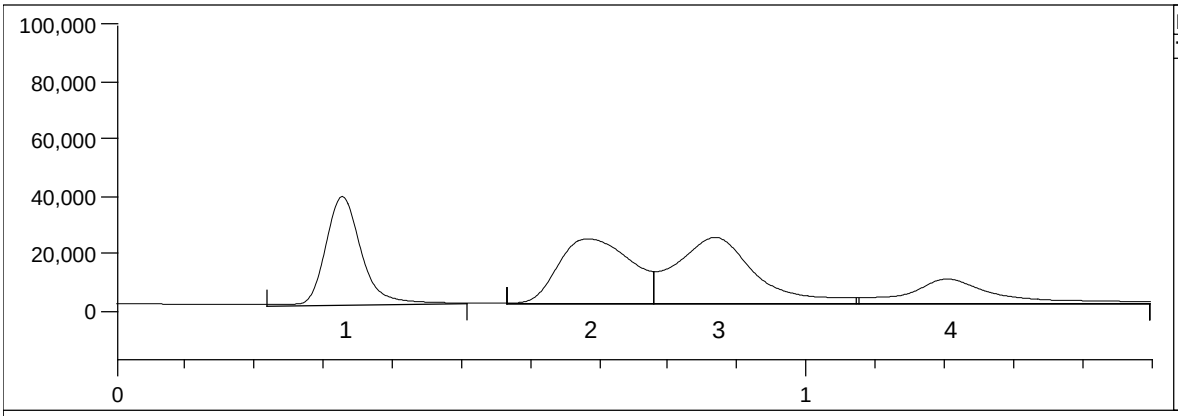
Peak Report

Batch Number: B140446
Method Number: BR-0021

Project Number(s): 1400263
Instrument ID: HGAA2

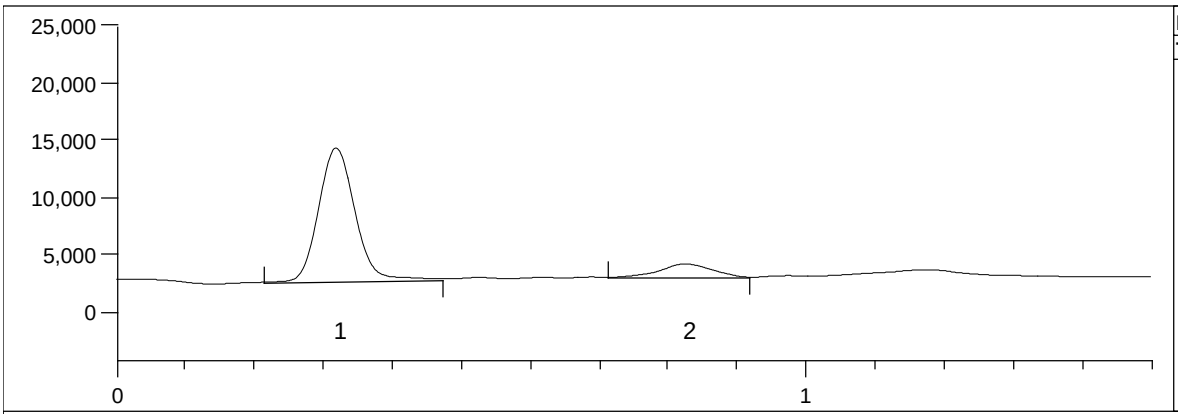
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 9:52 AM

Peak	rt	Area
1	0.32	1,316,558
2	0.68	1,663,234
3	0.86	1,766,205
4	1.20	611,709

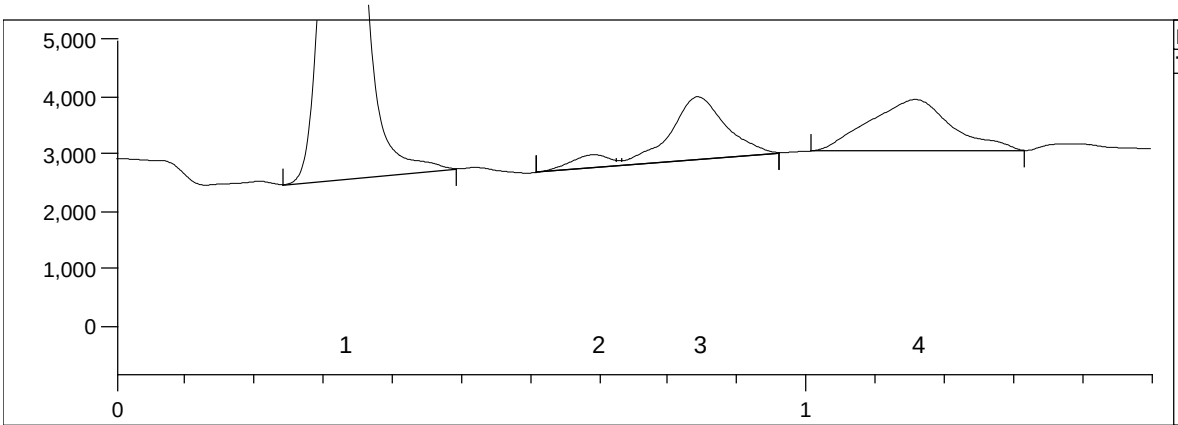
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
25		S	B140446-MSD1		2	1,663,234	8.35	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 9:57 AM

Peak	rt	Area
1	0.32	420,309
2	0.82	60,303

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
26		S	1411043-02			0	0.00	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 10:02 AM

Peak	rt	Area
1	0.32	407,218
2	0.69	8,965
3	0.84	60,768
4	1.16	74,001

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
27		S	1411043-03		2	8,965	0.0450	0.00		< HS	accept
Notes											

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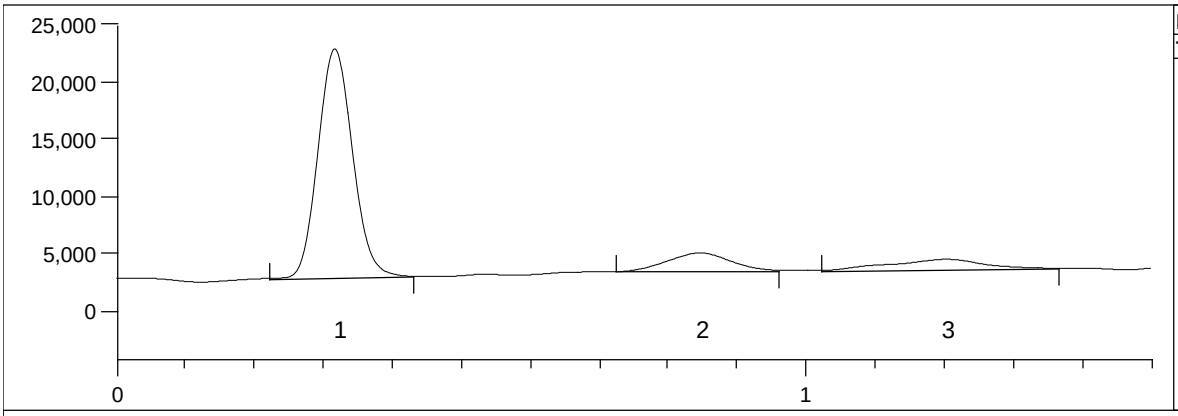
Peak Report

Batch Number: B140446
Method Number: BR-0021

Project Number(s): 1400263
Instrument ID: HGAA2

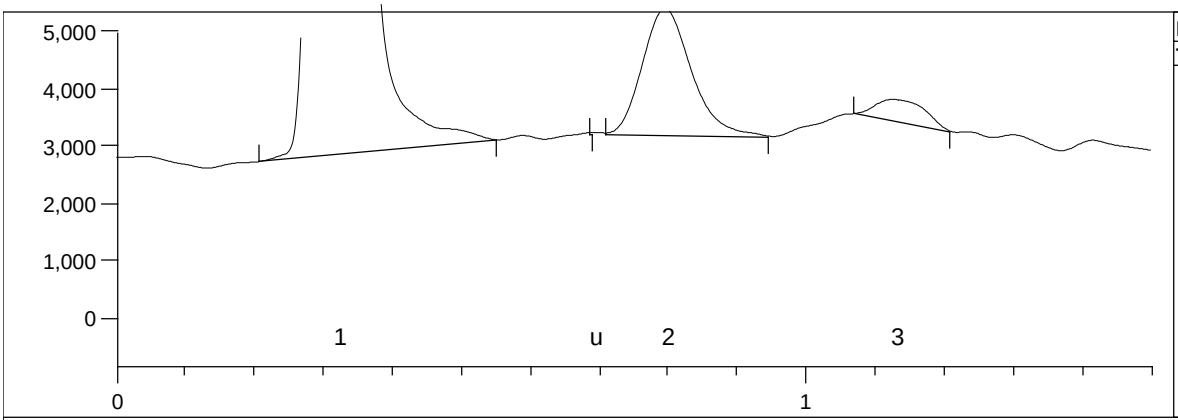
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 10:06 AM

Peak	rt	Area
1	0.31	696,412
2	0.84	97,585
3	1.20	83,212

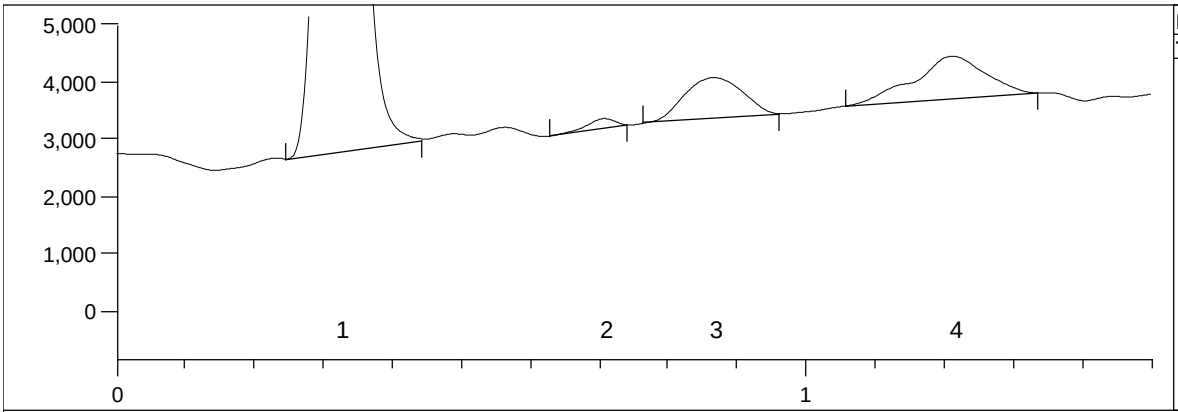
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
28		S	1411043-04			0	0.00	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 10:11 AM

Peak	rt	Area
1	0.32	1,833,486
2	0.79	107,210
3	1.12	18,999
u	0.69	0

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29		S	1411043-05		u	0	0.00	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 10:43 AM

Peak	rt	Area
1	0.32	644,763
2	0.70	5,175
3	0.86	41,670
4	1.21	53,433

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
30		S	1411043-06		2	5,175	0.0260	0.00		< HS	accept
Notes											

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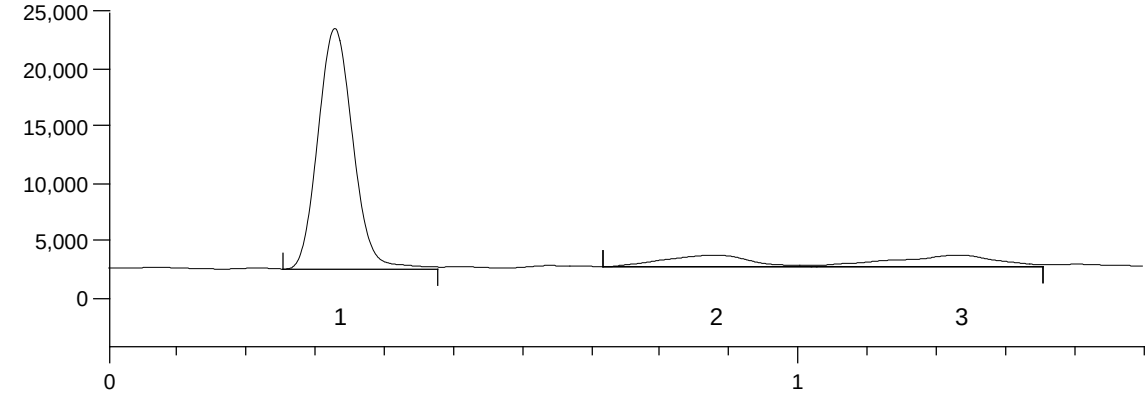
Peak Report

Batch Number: B140446
Method Number: BR-0021

Project Number(s): 1400263
Instrument ID: HGAA2

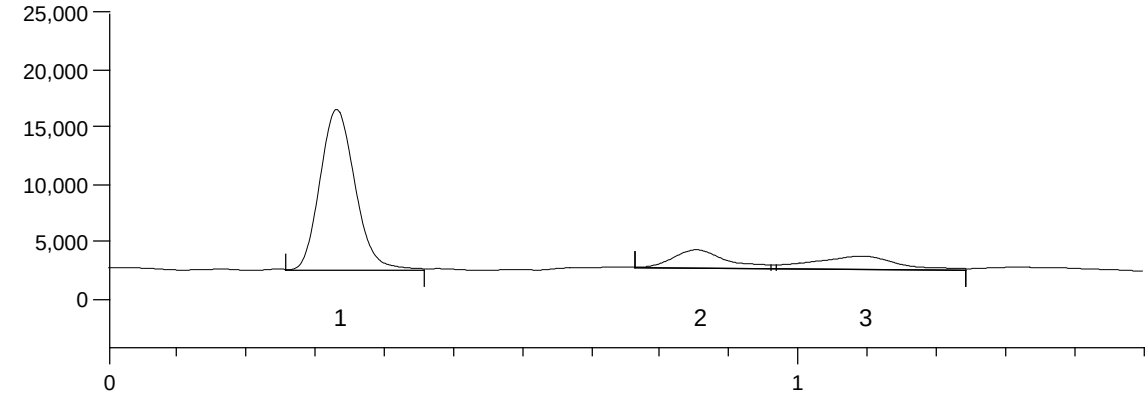
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 10:47 AM

Peak	rt	Area
1	0.32	730,417
2	0.87	82,942
3	1.23	84,659

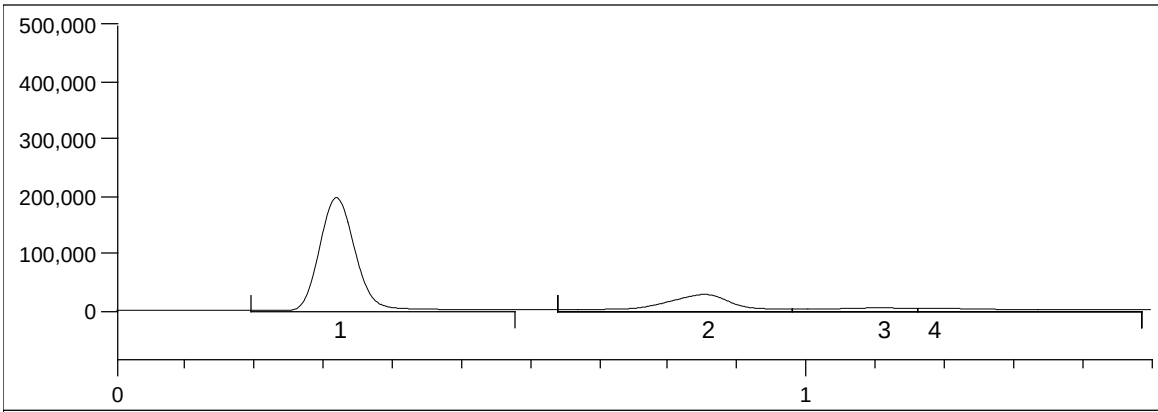
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31		S	1411043-07			0	0.00	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 10:52 AM

Peak	rt	Area
1	0.33	488,071
2	0.85	80,080
3	1.09	79,289

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
32		S	1411043-08			0	0.00	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 10:57 AM

Peak	rt	Area
1	0.32	7,062,084
2	0.85	1,635,352
3	1.10	259,198
4	1.18	174,756

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
33		S	1411043-09			0	0.00	0.00		< HS	accept
Notes											

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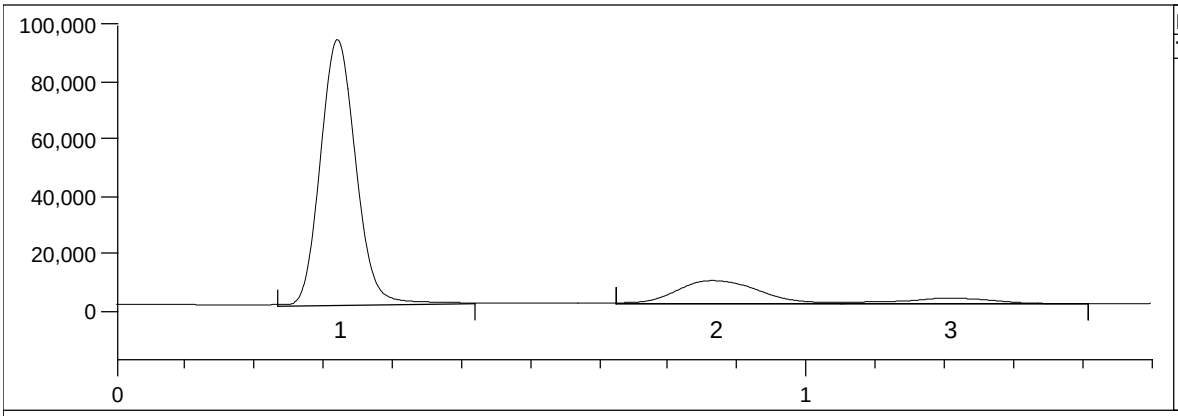
Peak Report

Batch Number: B140446
Method Number: BR-0021

Project Number(s): 1400263
Instrument ID: HGAA2

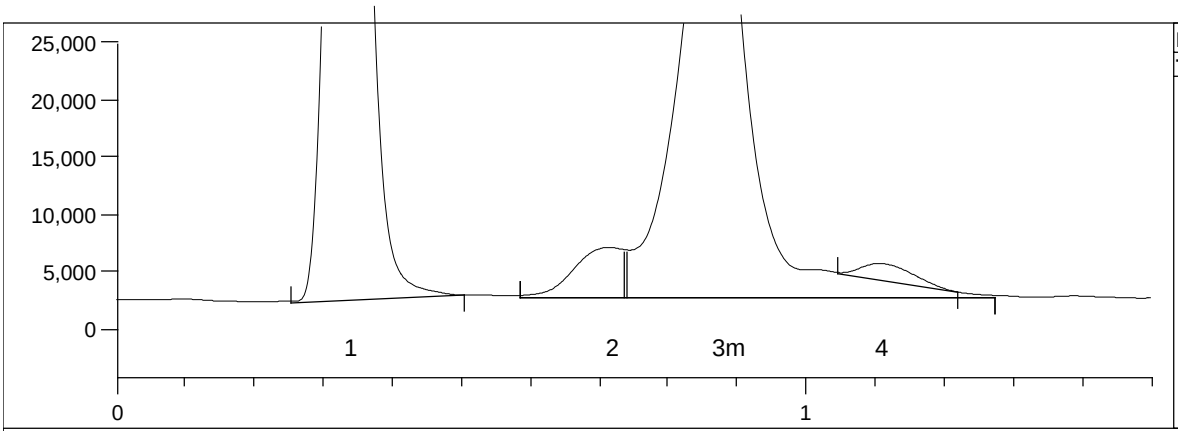
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 11:07 AM

Peak	rt	Area
1	0.32	3,277,893
2	0.86	628,413
3	1.20	172,761

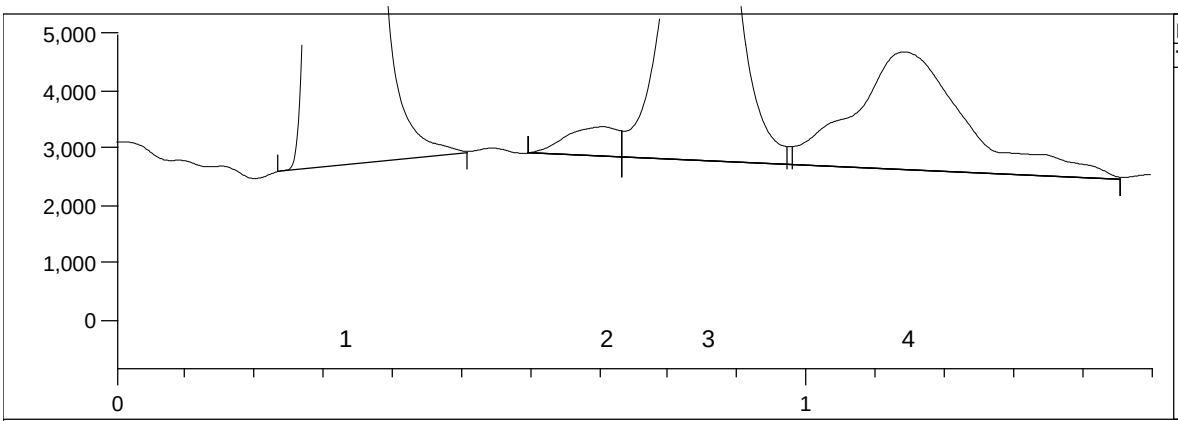
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
34		S	1411043-09RE1			0	0.00	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 11:12 AM

Peak	rt	Area
1	0.33	3,626,319
2	0.71	210,826
3m	0.86	3,050,803
4	1.10	73,198

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
35		S	B140446-MS2		2	210,826	1.06	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 11:19 AM

Peak	rt	Area
1	0.32	3,269,815
2	0.70	26,703
3	0.85	533,693
4	1.14	226,033

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
36		S	B140446-DUP2		2	26,703	0.134	0.00		< HS	accept
Notes											

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Peak Report

Batch Number: B140446
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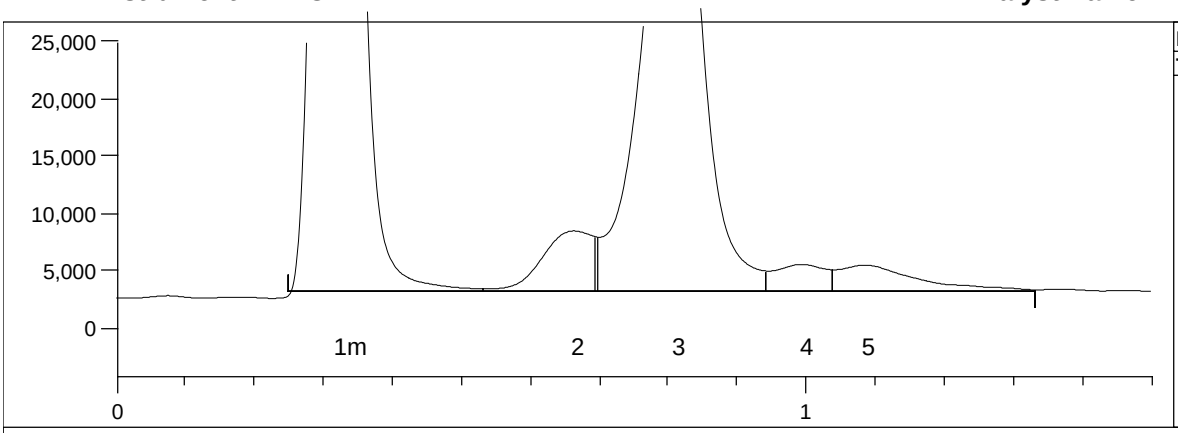
Project Number(s): 1400263
Instrument ID: HGAA2

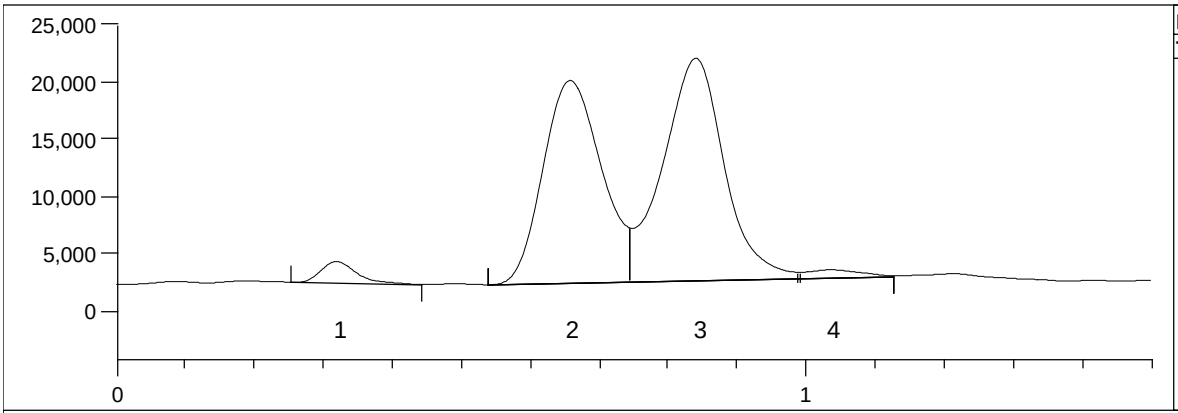
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 11:23 AM

Peak	rt	Area
1m	0.31	5,221,350
2	0.66	268,741
3	0.81	2,708,772
4	0.99	114,187
5	1.08	164,032

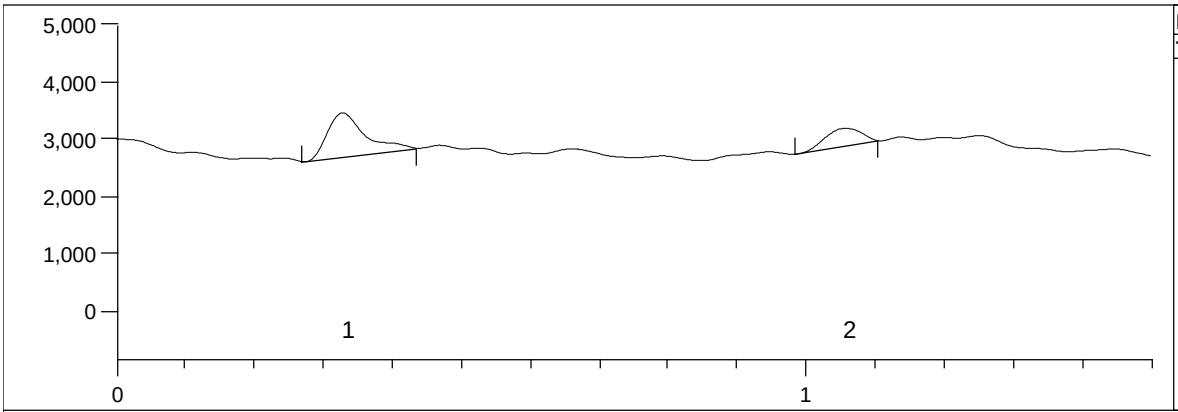
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
37		S	B140446-MSD2		2	268,741	1.35	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 11:28 AM

Peak	rt	Area
1	0.32	68,261
2	0.65	1,055,317
3	0.84	1,198,672
4	1.03	33,054

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
38		OPR	SEQ-CCV		2	1,055,317	5.30		106	80-120	accept
Notes											



Date: 3/29/14
Time: 11:32 AM

Peak	rt	Area
1	0.32	29,992
2	1.05	12,015

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
39		CCB	SEQ-CCB			0	0.00		0.00	< 0.4	accept
Notes											

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Peak Report

Batch Number: B140446
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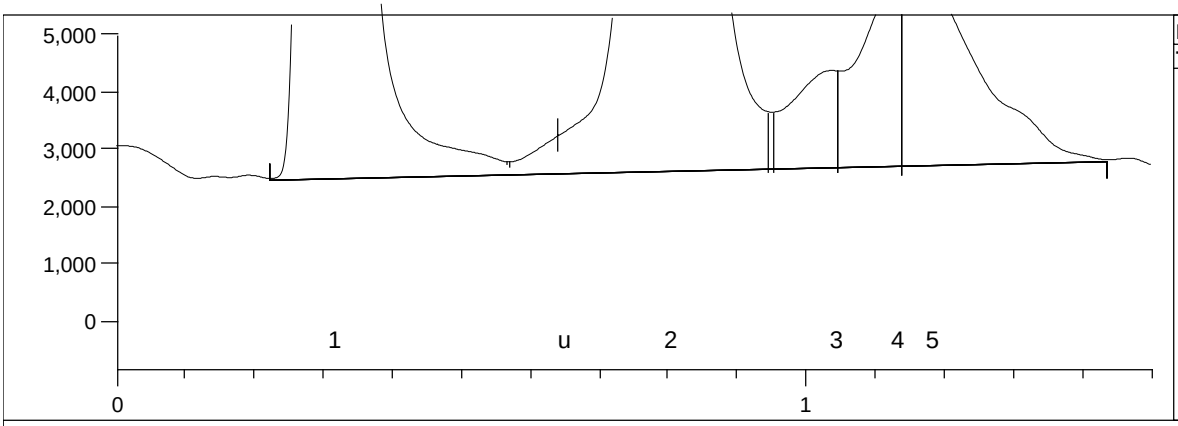
Instrument ID: HGAA2

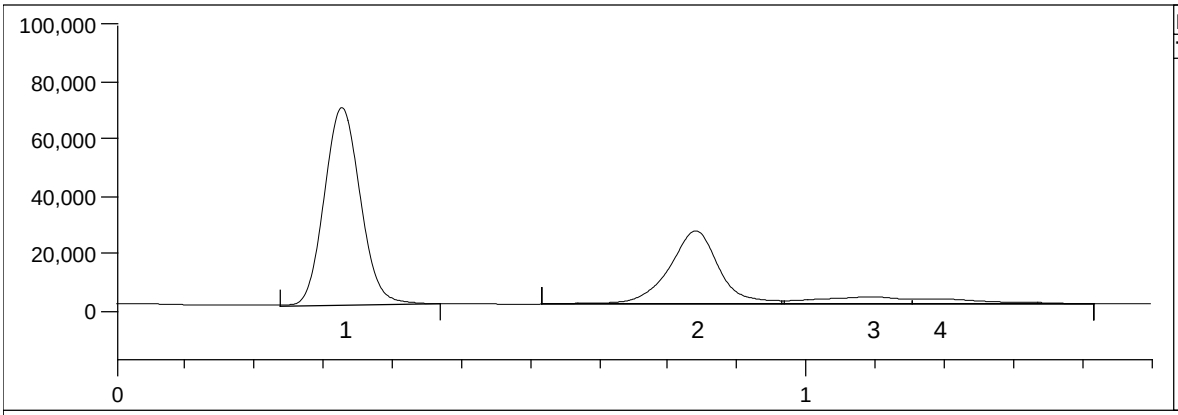
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 11:37 AM

Peak	rt	Area
1	0.31	3,998,889
2	0.80	1,221,197
3	1.04	78,910
4	1.12	134,180
5	1.18	234,008
u	0.64	0

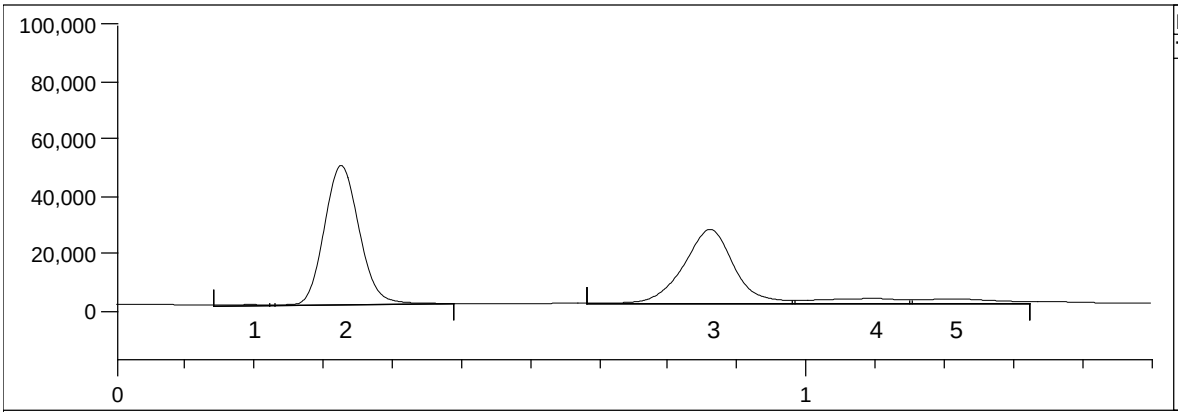
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
40		S	1411043-10		u	0	0.00	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 11:43 AM

Peak	rt	Area
1	0.32	2,492,316
2	0.84	1,295,795
3	1.09	208,313
4	1.19	121,316

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
41		S	1411043-11			0	0.00	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 11:48 AM

Peak	rt	Area
1	0.19	4,295
2	0.32	1,706,868
3	0.86	1,284,696
4	1.09	103,488
5	1.21	65,727

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
42		S	1411043-12			0	0.00	0.00		< HS	accept
Notes											

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Peak Report

Batch Number: B140446
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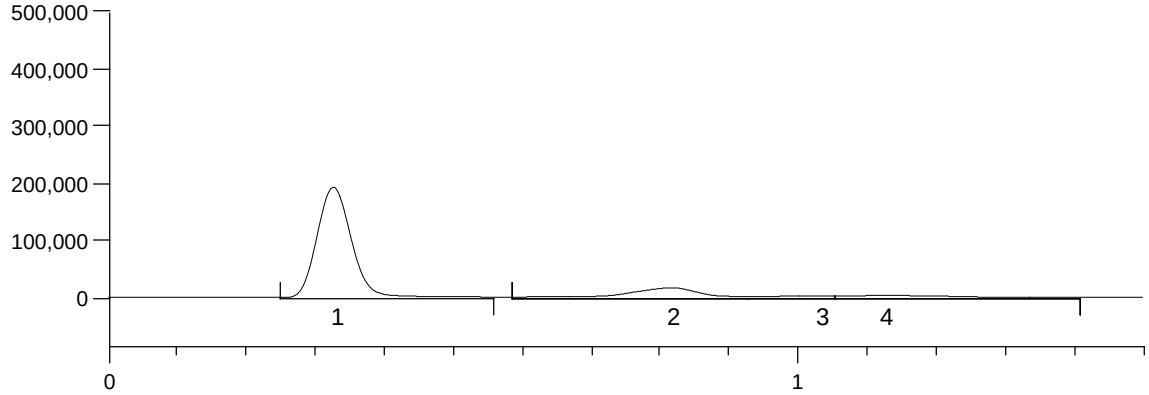
Project Number(s): 1400263
Instrument ID: HGAA2

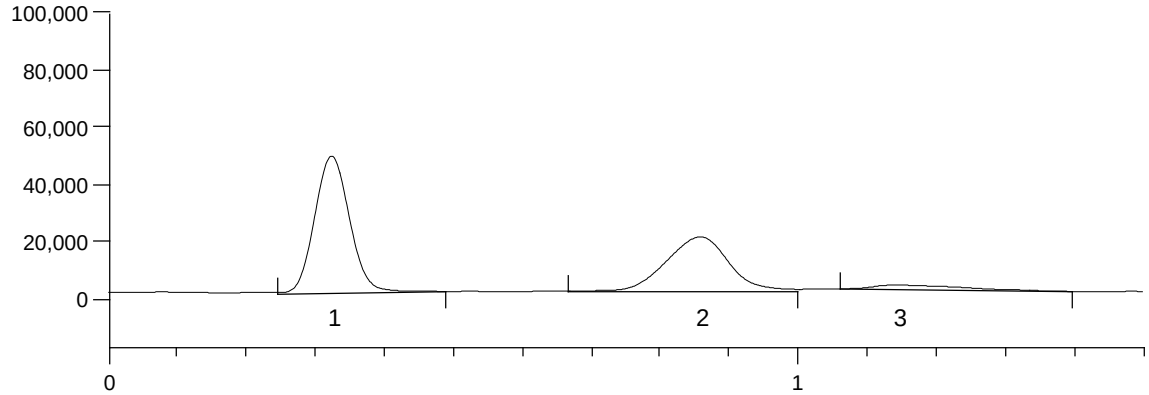
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 11:52 AM

Peak	rt	Area
1	0.32	6,645,421
2	0.81	1,029,981
3	1.03	121,791
4	1.12	300,179

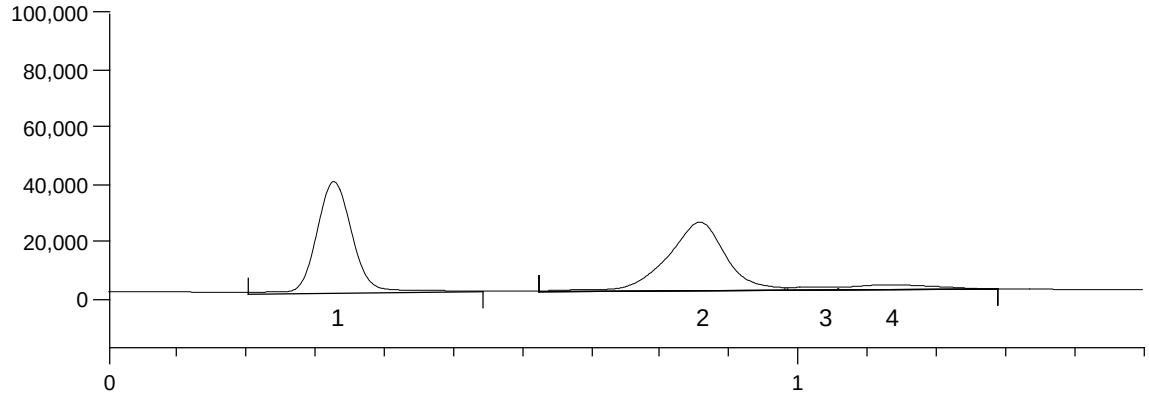
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
43		S	1411043-13			0	0.00	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 12:03 PM

Peak	rt	Area
1	0.32	1,661,173
2	0.85	1,138,473
3	1.14	136,866

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
44		S	1411043-14			0	0.00	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 12:08 PM

Peak	rt	Area
1	0.32	1,335,782
2	0.85	1,378,567
3	1.03	43,588
4	1.13	133,949

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
45		S	1411043-15			0	0.00	0.00		< HS	accept
Notes											

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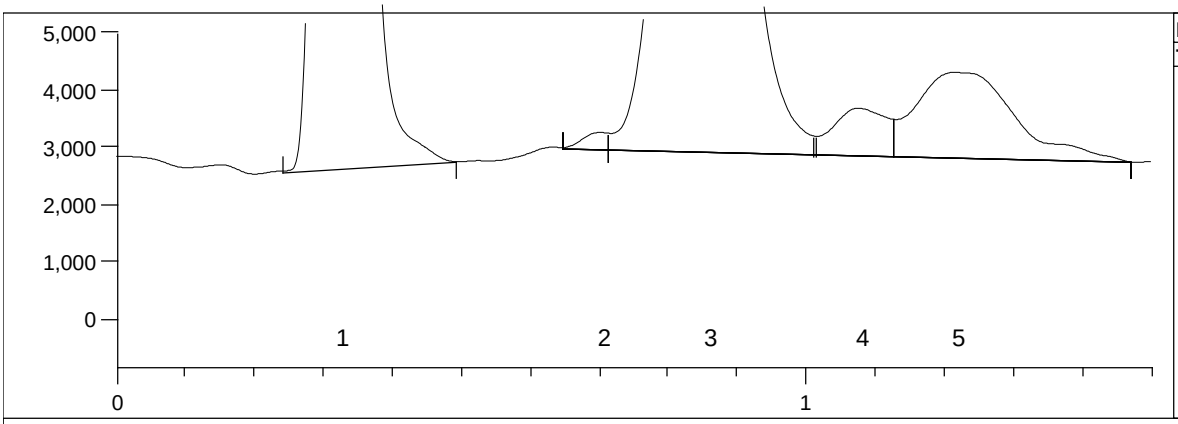
Peak Report

Batch Number: B140446
Method Number: BR-0021

Project Number(s): 1400263
Instrument ID: HGAA2

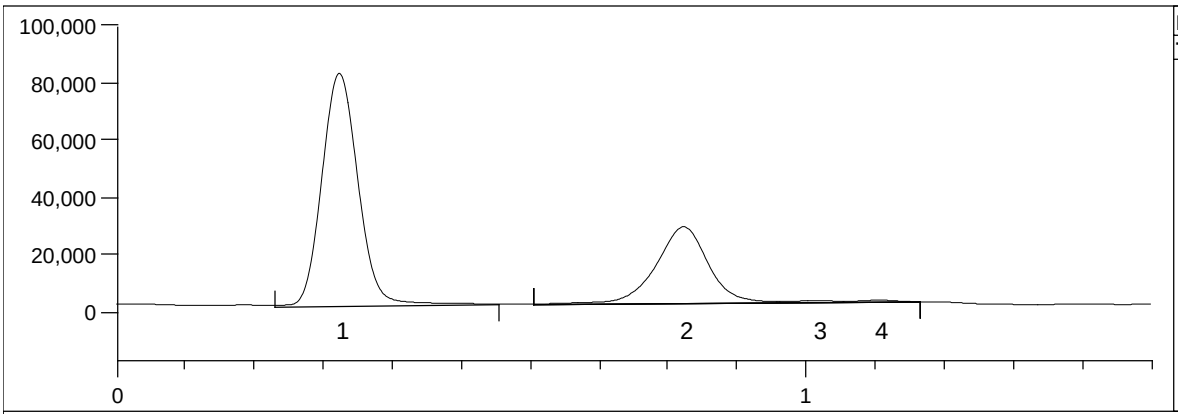
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 12:12 PM

Peak	rt	Area
1	0.32	1,881,513
2	0.70	6,994
3	0.85	1,094,109
4	1.07	44,788
5	1.21	147,869

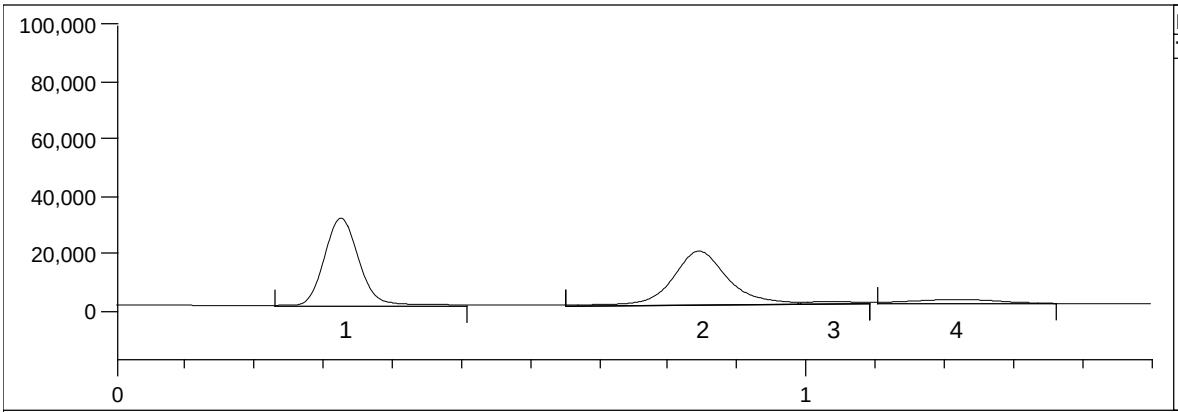
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
46		S	1411043-16		2	6,994	0.0351	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 12:17 PM

Peak	rt	Area
1	0.32	2,919,137
2	0.82	1,393,929
3	1.01	27,420
4	1.10	25,834

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
47		S	1411043-17			0	0.00	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 12:22 PM

Peak	rt	Area
1	0.32	1,049,163
2	0.84	980,263
3	1.03	13,370
4	1.21	85,104

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
48		S	1411043-18			0	0.00	0.00		< HS	accept
Notes											

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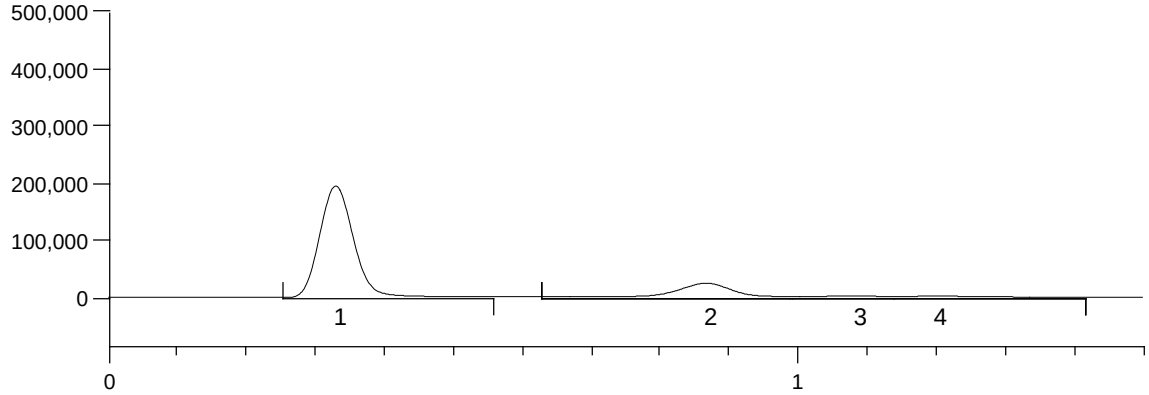
Peak Report

Batch Number: B140446
Method Number: BR-0021

Project Number(s): 1400263
Instrument ID: HGAA2

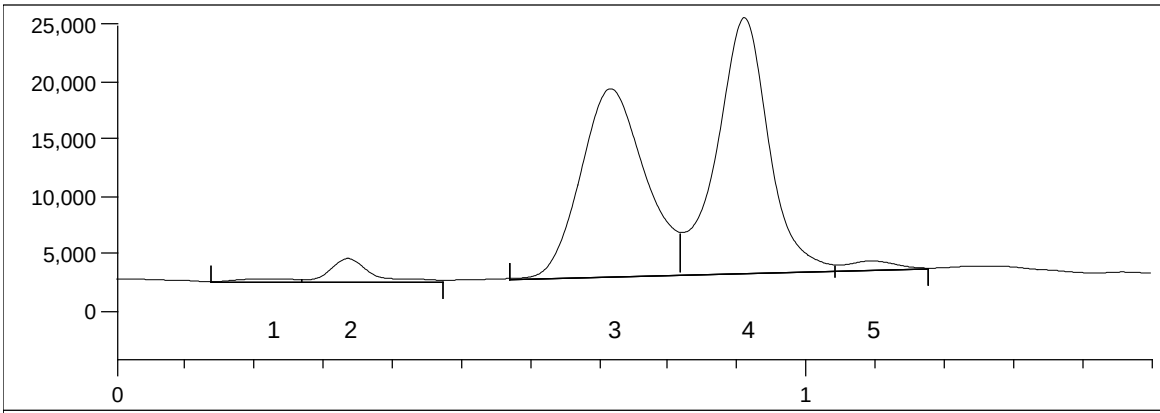
Date Analyzed: 3/29/14
Analyst Name: IRJ



Date: 3/29/14
Time: 12:26 PM

Peak	rt	Area
1	0.32	6,633,687
2	0.86	1,296,498
3	1.08	112,277
4	1.20	113,813

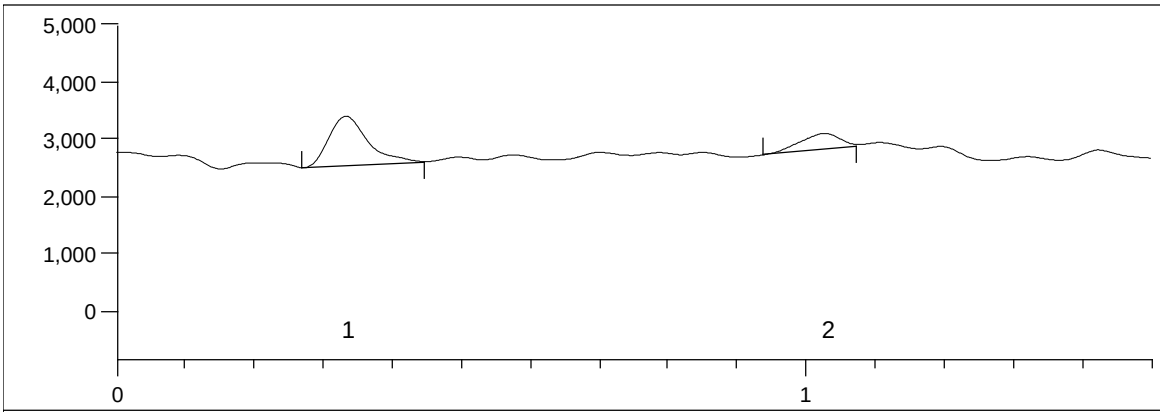
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
49		S	1411043-19			0	0.00	0.00		< HS	accept
Notes											



Date: 3/29/14
Time: 12:31 PM

Peak	rt	Area
1	0.22	13,421
2	0.33	72,198
3	0.71	1,067,445
4	0.91	1,160,349
5	1.09	35,084

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
50		OPR	SEQ-CCV		3	1,067,445	5.36		107	80-120	accept
Notes											



Date: 3/29/14
Time: 12:35 PM

Peak	rt	Area
1	0.33	33,915
2	1.02	10,376

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
51		CCB	SEQ-CCB			0	0.00		0.00	< 0.4	accept
Notes											

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ANALYSIS SEQUENCE

1400274

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400274-ICB1	1400274	QC	1		-			
1400274-CAL1	1400274	QC	2	1412032	-			
1400274-CAL2	1400274	QC	3	1412033	-			
1400274-CAL3	1400274	QC	4	1412034	-			
1400274-CAL4	1400274	QC	5	1412035	-			
1400274-CAL5	1400274	QC	6	1412039	-			
1400274-CAL6	1400274	QC	7	1412040	-			
1400274-CAL7	1400274	QC	8	1412041	-			
1400274-CAL8	1400274	QC	9	1412042	-			
1400274-CAL9	1400274	QC	10	1412043	-			
1400274-ICB2	1400274	QC	11		-			
1400274-ICV1	1400274	QC	12	1341021	-			
1400274-ICB3	1400274	QC	13		-			
1400274-IBL1	1400274	QC	14		-			
1400274-IBL2	1400274	QC	15		-			
1400274-IBL3	1400274	QC	16		-			
1400274-IBL4	1400274	QC	17		-			
1400274-SCV1	1400274	QC	18	1414027	-			
1400274-SCV2	1400274	QC	19	1352078	-			
1400274-CCV1	1400274	QC	20	1412039	-			
1400274-CCB1	1400274	QC	21		-			
B140552-BLK1	B140552	QC	22		-			
B140552-BLK2	B140552	QC	23		-			
B140552-BLK3	B140552	QC	24		-			
B140552-BLK4	B140552	QC	25		-			
B140552-BS1	B140552	QC	26		-			

ANALYSIS SEQUENCE

1400274

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140552-SRM1	B140552	QC	27		-			
B140552-SRM2	B140552	QC	28		-			
1400274-CCV2	1400274	QC	29	1412039	-			
1400274-CCB2	1400274	QC	30		-			
1411043-01RE1	B140552	200.8-Fe-B-HNO3-DRC	31			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-01RE1	B140552	200.8-Cr-B-HNO3-DRC	32			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
B140552-DUP1	B140552	QC	33		1411043-01RE1			
B140552-MS1	B140552	QC	34		1411043-01RE1			
B140552-MSD1	B140552	QC	35		1411043-01RE1			
1411043-02RE1	B140552	200.8-Fe-B-HNO3-DRC	36			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-02RE1	B140552	200.8-Cr-B-HNO3-DRC	37			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-03RE1	B140552	200.8-Fe-B-HNO3-DRC	38			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-03RE1	B140552	200.8-Cr-B-HNO3-DRC	39			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-04RE1	B140552	200.8-Fe-B-HNO3-DRC	40			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-04RE1	B140552	200.8-Cr-B-HNO3-DRC	41			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-05RE1	B140552	200.8-Fe-B-HNO3-DRC	42			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-05RE1	B140552	200.8-Cr-B-HNO3-DRC	43			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-06RE1	B140552	200.8-Fe-B-HNO3-DRC	44			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-06RE1	B140552	200.8-Cr-B-HNO3-DRC	45			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1400274-CCV3	1400274	QC	46	1412039	-			
1400274-CCB3	1400274	QC	47		-			
1411043-07RE1	B140552	200.8-Fe-B-HNO3-DRC	48			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-07RE1	B140552	200.8-Cr-B-HNO3-DRC	49			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-08RE1	B140552	200.8-Fe-B-HNO3-DRC	50			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-08RE1	B140552	200.8-Cr-B-HNO3-DRC	51			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-09RE1	B140552	200.8-Fe-B-HNO3-DRC	52			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14

ANALYSIS SEQUENCE

1400274

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-09RE1	B140552	200.8-Cr-B-HNO3-DRC	53			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-10RE1	B140552	200.8-Fe-B-HNO3-DRC	54			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-10RE1	B140552	200.8-Cr-B-HNO3-DRC	55			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-11RE1	B140552	200.8-Fe-B-HNO3-DRC	56			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-11RE1	B140552	200.8-Cr-B-HNO3-DRC	57			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
B140552-DUP2	B140552	QC	58		1411043-11RE1			
B140552-MS2	B140552	QC	59		1411043-11RE1			
B140552-MSD2	B140552	QC	60		1411043-11RE1			
1400274-CCV4	1400274	QC	61	1412039	-			
1400274-CCB4	1400274	QC	62		-			
1411043-12RE1	B140552	200.8-Fe-B-HNO3-DRC	63			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-12RE1	B140552	200.8-Cr-B-HNO3-DRC	64			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-13RE1	B140552	200.8-Fe-B-HNO3-DRC	65			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-13RE1	B140552	200.8-Cr-B-HNO3-DRC	66			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-14RE1	B140552	200.8-Fe-B-HNO3-DRC	67			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-14RE1	B140552	200.8-Cr-B-HNO3-DRC	68			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-15RE1	B140552	200.8-Fe-B-HNO3-DRC	69			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-15RE1	B140552	200.8-Cr-B-HNO3-DRC	70			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-16RE1	B140552	200.8-Fe-B-HNO3-DRC	71			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-16RE1	B140552	200.8-Cr-B-HNO3-DRC	72			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-17RE1	B140552	200.8-Fe-B-HNO3-DRC	73			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-17RE1	B140552	200.8-Cr-B-HNO3-DRC	74			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-18RE1	B140552	200.8-Fe-B-HNO3-DRC	75			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-18RE1	B140552	200.8-Cr-B-HNO3-DRC	76			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-19RE1	B140552	200.8-Fe-B-HNO3-DRC	77			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14
1411043-19RE1	B140552	200.8-Cr-B-HNO3-DRC	78			ARD-MV1302	4/7/2014	From B140478 by A_R on 03/31/14

ANALYSIS SEQUENCE

1400274

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400274-CCV5	1400274	QC	79	1412039	-			
1400274-CCB5	1400274	QC	80		-			
B140553-BLK1	B140553	QC	81		-			
B140553-BLK2	B140553	QC	82		-			
B140553-BLK3	B140553	QC	83		-			
B140553-BLK4	B140553	QC	84		-			
B140553-BS1	B140553	QC	85		-			
B140553-SRM1	B140553	QC	86		-			
1412016-07RE1	B140553	Cr-FW-Oven-DRC-Diss	87			EPR-PA1401	3/31/2014	
1400274-CCV6	1400274	QC	88	1412039	-			
1400274-CCB6	1400274	QC	89		-			
1412016-01RE1	B140553	Cr-FW-Oven-DRC-TR	90			EPR-PA1401	3/31/2014	From B140475 by A_R on 03/31/14
1412016-01RE1	B140553	Cr-FW-Oven-DRC-Diss	91			EPR-PA1401	1/1/1980	BatchQC
B140553-DUP1	B140553	QC	92		1412016-01RE1			
B140553-MS1	B140553	QC	93		1412016-01RE1			
B140553-MSD1	B140553	QC	94		1412016-01RE1			
1412016-06RE1	B140553	Cr-FW-Oven-DRC-Diss	95			EPR-PA1401	3/31/2014	
1412016-08RE1	B140553	Cr-FW-Oven-DRC-TR	96			EPR-PA1401	3/31/2014	
1400274-CCV7	1400274	QC	97	1412039	-			
1400274-CCB7	1400274	QC	98		-			
1412016-12RE1	B140553	Cr-FW-Oven-DRC-Diss	99			EPR-PA1401	3/31/2014	
1412016-13RE1	B140553	Cr-FW-Oven-DRC-TR	100			EPR-PA1401	3/31/2014	
1412016-17RE1	B140553	Cr-FW-Oven-DRC-Diss	101			EPR-PA1401	3/31/2014	
1412016-21RE1	B140553	Cr-FW-Oven-DRC-Diss	102			EPR-PA1401	3/31/2014	
1412016-25RE1	B140553	Cr-FW-Oven-DRC-Diss	103			EPR-PA1401	3/31/2014	
1412016-29RE1	B140553	Cr-FW-Oven-DRC-Diss	104			EPR-PA1401	3/31/2014	

ANALYSIS SEQUENCE

1400274

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400274-CCV8	1400274	QC	105	1412039	-			
1400274-CCB8	1400274	QC	106		-			

ICP-MS Analysis Benchsheet Batch No: B140552, 0553

BR-0060 NH3 DRC mode

(BRL procedure for the analysis of samples by EPA Methods 1638, 200.8, 6020A, and 1640

Analyst: AR Date: 4/1/2014

Instrument ID: ICP-MS-2 cHNO3 ID: 1410081 cHCl ID: NA

Calibration recorded in LIMS Int Std: 1410035 SEQ: 1400274

A/S #	Batch	Sample ID	Dilution	Comments
1		warm up		
1		warm up		
1		warm up		
1		SEQ-ICB1		
2		SEQ-CAL1		1412032 (Cu, Fe removed)
3		SEQ-CAL2		1412033
4		SEQ-CAL3		1412034
5		SEQ-CAL4		1412035
6		SEQ-CAL5		1412039
7		SEQ-CAL6		1412040
8		SEQ-CAL7		1412041
9		SEQ-CAL8		1412042
10		SEQ-CAL9		1412043
1		SEQ-ICB2		
101		SEQ-ICV1		1341021
1		SEQ-ICB3		
102		SEQ-IBL1		
103		SEQ-IBL2		
104		SEQ-IBL3		
105		SEQ-IBL4		
106		SEQ-SCV1	5x	NIST 1640a 1414027; 1414026
107		SEQ-SCV2		Fe-Ca check 1352078; 1352079
6		SEQ-CCV1		1412039
1		SEQ-CCB1		
108	B140552	B140552-BLK1	10x	
109	B140552	B140552-BLK2	10x	
110	B140552	B140552-BLK3	10x	
111	B140552	B140552-BLK4	10x	
112	B140552	B140552-BS1	10x	
113	B140552	B140552-SRM1	10x	
114	B140552	B140552-SRM2	10x	
6		SEQ-CCV2		1412039
1		SEQ-CCB2		
115	B140552	1411043-01RE1	10x	
116	B140552	B140552-DUP1	10x	
117	B140552	B140552-MS1	10x	
118	B140552	B140552-MSD1	10x	
119	B140552	1411043-02RE1	10x	
120	B140552	1411043-03RE1	10x	
121	B140552	1411043-04RE1	10x	

122	B140552	1411043-05RE1	10x	
123	B140552	1411043-06RE1	10x	
6		SEQ-CCV3		1412039
1		SEQ-CCB3		
124	B140552	1411043-07RE1	10x	
125	B140552	1411043-08RE1	10x	
126	B140552	1411043-09RE1	10x	
127	B140552	1411043-10RE1	10x	
128	B140552	1411043-11RE1	10x	
129	B140552	B140552-DUP2	10x	
130	B140552	B140552-MS2	10x	
131	B140552	B140552-MSD2	10x	
6		SEQ-CCV4		1412039
1		SEQ-CCB4		
132	B140552	1411043-12RE1	10x	
133	B140552	1411043-13RE1	10x	
134	B140552	1411043-14RE1	10x	
135	B140552	1411043-15RE1	10x	
136	B140552	1411043-16RE1	10x	
137	B140552	1411043-17RE1	10x	
138	B140552	1411043-18RE1	10x	
139	B140552	1411043-19RE1	10x	
6		SEQ-CCV5		1412039
1		SEQ-CCB5		
140	B140553	B140553-BLK1		
141	B140553	B140553-BLK2		
142	B140553	B140553-BLK3		
143	B140553	B140553-BLK4		
144	B140553	B140553-BS1		
145	B140553	1412016-07RE1		Field Blank
6		SEQ-CCV6		1412039
1		SEQ-CCB6		
146	B140553	1412016-01RE1	10x	
147	B140553	B140553-DUP1	10x	1412016-01RE1
148	B140553	B140553-MS1	10x	50µL 1414028 Cr to 5mL
149	B140553	B140553-MSD1	10x	50µL 1414028 Cr to 5mL
150	B140553	1412016-06RE1	10x	
151	B140553	1412016-08RE1	10x	
6		SEQ-CCV7		1412039
1		SEQ-CCB7		
152	B140553	1412016-12RE1	10x	
153	B140553	1412016-13RE1	10x	
154	B140553	1412016-17RE1	10x	
155	B140553	1412016-21RE1	10x	
156	B140553	1412016-25RE1	10x	
157	B140553	1412016-29RE1	10x	
434		rinse		high conc in previous sample
6		SEQ-CCV8		1412039
1		SEQ-CCB8		

Trace Metals Method BR-0070 Rev 003 (ICP-MS)

Biota Preparation by HotBlock Digestion

Digestion by: HNO_3 / H_2O_2

Page 1 of 2

Batch #: B140477, 0478, 0479, 0552 Prepared By: CLE Preparation Date and Time*: 3/24/14 1630

Matrix: biota Balance ID: BL-03 Date and Time of Finished Preparation: 1040 3/25/14

* Time is when the first reagents are added.

Sample ID	Sample Mass (g)	Notes
BLK1	—	
BLK2	—	
BLK3	—	
BLK4	—	
BS1	—	
SRM1	0.252	
SRM2	0.252	
1411043-01	0.561	
DUP1	0.496	Source: 1411043-01
MS1	0.505	
MSD1	0.504	
1411043-02	0.517	
-03	0.554	
-04	0.571	
-05	0.514	
-06	0.529	
-07	0.556	
-08	0.531	
-09	0.542	
-10	0.521	
-11	0.530	
DUP2	0.515	Source: 1411043-11
MS2	0.497	
MSD2	0.522	

Sample ID	Sample Mass (g)	Notes
1411043-12	0.511	
-13	0.511	
-14	0.515	
-15	0.526	
-16	0.564	
-17	0.592	
-18	0.518	
-19	0.510	
1411044-01	0.501	
B140479 DUP3	0.510	Source: 1411044-02
MS3	0.530	
MSD3	0.529	
1411044-02	0.542	
-03	0.540	
-04	0.539	
-05	0.545	
-06	0.505	
-07	0.592	
-08	0.524	
-09	0.548	
-10	0.510	
-11	0.521	
B140479 DUP4	0.532	Source: 1411044-12
MS4	0.494	

Note: QC sets follow source sample on benchsheet unless otherwise noted.
If no batch is specified, QC is shared between all batches being prepped.

Sample ID	Spike ID	Spike Added (mL)	Analyte/Concentration	Spike Witness Initials/Date
BS1, MS/D 1-4	1413003	0.1	B140477-9 spike mix	
BS1, MS/D 1-2	B47040	0.05	Ag 10 ppm	
	1410043	0.1	Sb 1 ppm	3/24/14
	1310029	0.025	Al 10,000 ppm	
	1345003	0.050	Fe 10,000 ppm	

fake spike ID: 1413004

Target Hotblock Temperature = 100 °C

Reagents Added (ID/Amount Added)
0.1mL H2O2 (1350057)
10mL HNO3 (1406035)

HotBlock Temperature*, Time On / Time Off, Date
N/C: 103°C 1705 / M: 103°C C: 101.5°C 1705 3/24/14
timer set for 3.5 hrs

Hotblock Therm. ID: HB-02/HB-01 Therm. Hotblock ID: TM-05/TM-01

* Both measured and corrected temperatures must be recorded.

Environ. Express tube lot #: 1309271

Final Dilution Volume 40 mL

SRM-Matrix-LIMS ID #
SRM1-DORM-4-1329003
SRM2-TORT-3-1327017

Comments:
*: changes by CLE 3/24/14 o: digested on HB-01 (all other samples digested on HB-02) Δ: Final Vol = 45mL

Trace Metals Method BR-0070 Rev 003 (ICP-MS)

Biota Preparation by HotBlock Digestion

Digestion by: HNO_3 / H_2O_2

Batch #: B140477, 0478, 0479

Sample ID	Sample Mass (g)	Notes
B140479 MSD4	0.522	source: 1411044-12
1411044-12	0.545	
-13	0.537	
-14	0.523	
-15	0.537	
-16	0.530	
-17	0.506	
-18	0.589	

CUE 3/24/14

Sample ID	Sample Mass (g)	Notes

CUE 3/24/14

B140477, 0478, 0479
biota

Samples spiked: BS1, MS/D1-4

Spike mix ID: 1413003

Element	Target Conc. (mg/kg)	spike conc w/ **0.1mL spike vol** and **0.5g*** **sample**	mL from stock into **10mL tube**	ppm	LIMS ID
As DRC	10.000	50.000	0.500	1000	1310030
Ba	1.600	8.000	0.800	**100**	1411082
Be	0.900	4.500	0.450	**100**	1411084
Cd	0.200	1.000	0.100	**100**	1411087
Co	1.600	8.000	0.800	**100**	1351036
Cr DRC	3.000	15.000	0.150	1000	1351015
Cu	10.000	50.000	0.500	1000	1351017
Mn	13.000	65.000	0.650	1000	1351019
Pb	1.500	7.500	0.075	1000	1351022
Se DRC	1.500	7.500	0.075	1000	1310040
Tl	1.000	5.000	0.050	1000	1310041
V DRC	4.000	20.000	0.200	**1000**	1310043
Zn	10.000	50.000	0.050	**10000**	1337001

Samples spiked: BS1, MS/D1-2 Add 5.6mL 2% HNO3

Fake spike ID: 1413004

Element	Target Conc. (mg/kg)	vol to spike **directly to 0.5g*** **sample**	ppm	LIMS ID
Ag	1.000	0.050	**10**	1347040
Sb	0.200	0.100	**1**	1410043
Al	500.000	0.025	**10000**	1310029
Fe DRC	1000.000	0.050	**10000**	1345003

*listed spike volume(s) used regardless of sample mass.

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Elandata\Wizard\SmartTune\1-SmartTune Full SF.swz

Start Time: 2/18/2014 12:46:33 PM
End Time: 2/18/2014 12:52:15 PM

Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (9.0122/9.025), Target/Obtained resolution (0.7/0.691)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.699)
Target/Obtained mass (75.93/75.925), Target/Obtained resolution (0.7/0.680)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.679)
Target/Obtained mass (139.905/139.875), Target/Obtained resolution (0.7/0.683)
Target/Obtained mass (207.977/208.025), Target/Obtained resolution (0.7/0.694)
Target/Obtained mass (238.05/237.975), Target/Obtained resolution (0.7/0.687)

SmartTune Wizard - Details

```
Optimization Details

SmartTune file: C:\Elandata\Wizard\SmartTune\1-SmartTune Full SF.swz

Optimization Status

Start Time: 2/18/2014 12:46:33 PM



Mass Calibration and Resolution
        Optimization Settings:
                Method: C:\Elandata\Method\1-tuning-SF.mth.
                Tuning File: Default.tun
                Iterations: 6
                Target accuracy (+/- amu): 0.1 for Mass Cal. and 0.05 for Resolution
                Peak height (%) for Res. Opt.: 10

        Optimization Results:
        Initial Try
                Target/Obtained mass (9.0122/9.025), Target/Obtained resolution (0.7/0.691)
                Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.699)
                Target/Obtained mass (75.93/75.925), Target/Obtained resolution (0.7/0.680)
                Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.679)
                Target/Obtained mass (139.905/139.875), Target/Obtained resolution (0.7/0.683)
                Target/Obtained mass (207.977/208.025), Target/Obtained resolution (0.7/0.694)
                Target/Obtained mass (238.05/237.975), Target/Obtained resolution (0.7/0.687)
[Passed]  Optimum value(s): N/A

End Time: 2/18/2014 12:52:15 PM
```

Sample Information

Report Title: QUANTITATIVE ANALYSIS REPORT
Batch ID:
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031
Tuning File: C:\Elandata\Tuning\Default.tun
Optimization File: C:\Elandata\Optimize\Default.dac
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Calibration Type: External Calibration

Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
Cr	52	Weighted Linear	0.012	-0.000	0.999511	0.030000
Cr	53	Weighted Linear	0.001	-0.000	0.999815	0.030000
Fe	54	Weighted Linear	0.001	-0.001	0.998525	1.000000
Fe	56	Weighted Linear	0.020	-0.018	0.998616	1.000000
Rh	103	Weighted Linear				

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB1

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 13:38:14
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52		119	8	6.8			ug/L
	Cr	53		20	6	28.0			ug/L
	Fe	54		205	7	3.4			ug/L
	Fe	56		3566	69	1.9			ug/L
>	Rh	103		621337	10408	1.7			ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL1

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 13:39:07
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CAL1.032
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	660	24	3.7	0.000907	**0.0907**	ug/L
	Cr	53	20	86	10	11.6	0.000112	**0.0890**	ug/L
	Fe	54	205	1589	39	2.5	0.002315	**3.1108**	ug/L
	Fe	56	3566	30070	161	0.5	0.044300	**3.1549**	ug/L
>	Rh	103	621337	600934	3013	0.5	600934.221014		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL2

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 13:40:00
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CAL2.033
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	1234	21	1.7	0.001623	**0.1525**	ug/L
	Cr	53	20	158	21	13.0	0.000202	**0.1493**	ug/L
	Fe	54	205	3186	57	1.8	0.004357	**5.0819**	ug/L
	Fe	56	3566	60538	176	0.3	0.083313	**5.1218**	ug/L
>	Rh	103	621337	680570	27191	4.0	680569.759596		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL3

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 13:40:53
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 4

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CAL3.034
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	2214	73	3.3	0.003216	**0.2901**	ug/L
	Cr	53	20	299	12	4.1	0.000428	**0.3012**	ug/L
	Fe	54	205	6230	150	2.4	0.009260	**9.8157**	ug/L
	Fe	56	3566	116727	1020	0.9	0.173923	**9.6901**	ug/L
>	Rh	103	621337	649749	4666	0.7	649749.135908		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL4

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 13:41:46
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CAL4.035
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	10348	110	1.1	0.017173	**1.4951**	ug/L
	Cr	53	20	1374	59	4.3	0.002273	**1.5410**	ug/L
	Fe	54	205	28568	268	0.9	0.047602	**46.8295**	ug/L
	Fe	56	3566	533522	1648	0.3	0.889505	**45.7673**	ug/L
>	Rh	103	621337	596036	8280	1.4	596036.339743		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL5

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 13:42:39
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CAL5.036
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	88009	443	0.5	0.145827	**12.6035**	ug/L
	Cr	53	20	11331	27	0.2	0.018767	**12.6211**	ug/L
	Fe	54	205	150457	1658	1.1	0.249309	**241.5496**	ug/L
	Fe	56	3566	2920776	16653	0.6	4.840285	**244.9525**	ug/L
>	Rh	103	621337	602788	6570	1.1	602788.264167		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL6

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 13:43:32
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 7

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CAL6.037
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	180013	4522	2.5	0.291169	**25.1527**	ug/L
	Cr	53	20	23325	609	2.6	0.037721	**25.3540**	ug/L
	Fe	54	205	313021	6695	2.1	0.506344	**489.6809**	ug/L
	Fe	56	3566	6072411	190869	3.1	9.821715	**496.0996**	ug/L
>	Rh	103	621337	617836	15485	2.5	617835.988120		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL7

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 13:44:25
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 8

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CAL7.038
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	933410	21988	2.4	1.394969	**120.4581**	ug/L
	Cr	53	20	121163	3086	2.5	0.181065	**121.6495**	ug/L
	Fe	54	205	1688664	41912	2.5	2.523657	**2437.1175**	ug/L
	Fe	56	3566	33198855	940099	2.8	49.612839	**2502.2352**	ug/L
>	Rh	103	621337	669019	14748	2.2	669019.081439		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL8

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 13:45:18
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CAL8.039
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	1849276	29100	1.6	2.861483	**247.0812**	ug/L
	Cr	53	20	239494	4141	1.7	0.370567	**248.9538**	ug/L
	Fe	54	205	3573597	88598	2.5	5.529021	**5338.3804**	ug/L
	Fe	56	3566	67391000	1609152	2.4	104.267924	**5257.7622**	ug/L
>	Rh	103	621337	646250	12342	1.9	646250.098012		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL9

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 13:46:11
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CAL9.040
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	3985467	90789	2.3	6.099024	**526.6201**	ug/L
	Cr	53	20	476963	7243	1.5	0.729892	**490.3416**	ug/L
	Fe	54	205	7292240	163552	2.2	11.159433	**10773.7627**	ug/L
	Fe	56	3566	138262179	2984637	2.2	211.585133	**10668.3378**	ug/L
>	Rh	103	621337	653455	1605	0.2	653455.177491		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB2

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 13:47:04
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB2.041
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	1560	485	31.1	0.002214	**0.2035**	ug/L
	Cr	53	20	207	64	31.0	0.000288	**0.2072**	ug/L
	Fe	54	205	3756	820	21.8	0.005463	**6.1495**	ug/L
	Fe	56	3566	70375	16311	23.2	0.102785	**6.1035**	ug/L
>	Rh	103	621337	647976	6765	1.0	647975.825776		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	104.287

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICV1

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 13:56:52
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 101

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICV1.042
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	86589	973	1.1	0.136565	**11.8038**	ug/L
	Cr	53	20	11128	118	1.1	0.017543	**11.7985**	ug/L
	Fe	54	205	147164	543	0.4	0.232100	**224.9359**	ug/L
	Fe	56	3566	2884170	18831	0.7	4.549455	**230.2898**	ug/L
>	Rh	103	621337	633202	7946	1.3	633201.550578		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	101.910

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB3

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 13:59:13
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB3.043
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	115	7	6.2	-0.000013	**0.0112**	ug/L
	Cr	53	20	21	3	11.8	0.000002	**0.0148**	ug/L
	Fe	54	205	155	9	5.8	-0.000089	**0.7901**	ug/L
	Fe	56	3566	3068	149	4.9	-0.000965	**0.8728**	ug/L
>	Rh	103	621337	643380	27556	4.3	643379.539043		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	103.548

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL1

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 14:00:07
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 102

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-IBL1.044
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	118	3	2.2	0.000005	**0.0128**	ug/L
	Cr	53	20	12	2	16.7	-0.000012	**0.0059**	ug/L
	Fe	54	205	171	12	7.2	-0.000045	**0.8325**	ug/L
	Fe	56	3566	3264	89	2.7	-0.000291	**0.9067**	ug/L
>	Rh	103	621337	599087	2000	0.3	599087.263353		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	96.419

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL2

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 14:01:00
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 103

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-IBL2.045
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	105	6	5.8	-0.000006	**0.0119**	ug/L
	Cr	53	20	14	1	8.4	-0.000007	**0.0087**	ug/L
	Fe	54	205	95	10	10.3	-0.000161	**0.7206**	ug/L
	Fe	56	3566	1625	36	2.2	-0.002858	**0.7773**	ug/L
>	Rh	103	621337	564223	19562	3.5	564223.268748		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	90.808

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL3

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 14:01:53
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 104

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-IBL3.046
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	120	14	11.7	0.000004	**0.0127**	ug/L
	Cr	53	20	12	1	8.3	-0.000012	**0.0056**	ug/L
	Fe	54	205	80	10	11.9	-0.000199	**0.6836**	ug/L
	Fe	56	3566	1503	21	1.4	-0.003286	**0.7558**	ug/L
>	Rh	103	621337	612619	4828	0.8	612619.238741		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	98.597

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL4

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 14:02:46
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 105

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-IBL4.047
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	112	9	8.3	0.000002	**0.0125**	ug/L
	Cr	53	20	15	3	17.6	-0.000006	**0.0098**	ug/L
	Fe	54	205	80	10	12.3	-0.000192	**0.6909**	ug/L
	Fe	56	3566	1291	14	1.1	-0.003515	**0.7442**	ug/L
>	Rh	103	621337	580629	17281	3.0	580628.609351		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	93.448

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV1

Sample Description: 5x

Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 14:03:39
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 106

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-SCV1.048
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	56205	170	0.3	0.085157	**36.8252**	ug/L
	Cr	53	20	7276	64	0.9	0.011016	**37.0689**	ug/L
	Fe	54	205	6598	88	1.3	0.009688	**51.1400**	ug/L
	Fe	56	3566	86933	380	0.4	0.126249	**36.4324**	ug/L
>	Rh	103	621337	659156	24059	3.6	659156.490804		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	106.087

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV2

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 14:07:57
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 107

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-SCV2.049
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	348466	4826	1.4	0.497237	**42.9452**	ug/L
	Cr	53	20	45279	775	1.7	0.064594	**43.4068**	ug/L
	Fe	54	205	617888	9969	1.6	0.881625	**851.9624**	ug/L
	Fe	56	3566	12081314	211873	1.8	17.235066	**869.8560**	ug/L
>	Rh	103	621337	701246	28019	4.0	701245.993835		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	112.861

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV1

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 14:08:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CCV1.050
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	88122	592	0.7	0.150020	**12.9656**	ug/L
	Cr	53	20	11531	44	0.4	0.019624	**13.1970**	ug/L
	Fe	54	205	149919	922	0.6	0.255222	**247.2574**	ug/L
	Fe	56	3566	2905678	18416	0.6	4.947385	**250.3521**	ug/L
>	Rh	103	621337	586668	4385	0.7	586668.489373		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	94.420

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB1

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 14:09:44
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CCB1.051
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	139	15	10.8	0.000044	**0.0161**	ug/L
	Cr	53	20	23	4	16.7	0.000007	**0.0183**	ug/L
	Fe	54	205	240	16	6.5	0.000078	**0.9510**	ug/L
	Fe	56	3566	3889	416	10.7	0.000867	**0.9652**	ug/L
>	Rh	103	621337	589084	7791	1.3	589084.153581		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	94.809

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140552-BLK1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:11:42
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 108

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\B140552-BLK1.052
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	159	18	11.3	0.000080	**0.1923**	ug/L
	Cr	53	20	25	5	18.3	0.000011	**0.2082**	ug/L
	Fe	54	205	154	11	7.1	-0.000066	**8.1210**	ug/L
	Fe	56	3566	2826	52	1.8	-0.000900	**8.7608**	ug/L
>	Rh	103	621337	583813	925	0.2	583813.241274		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	93.961

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140552-BLK2

Sample Description: 10x

Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:12:35
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 109

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\B140552-BLK2.053
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	112	23	20.3	0.000003	**0.1263**	ug/L
	Cr	53	20	18	4	24.2	-0.000000	**0.1355**	ug/L
	Fe	54	205	122	10	8.1	-0.000117	**7.6345**	ug/L
	Fe	56	3566	2121	28	1.3	-0.002040	**8.1859**	ug/L
>	Rh	103	621337	573198	3121	0.5	573198.307814		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	92.252

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140552-BLK3

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:13:28
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 110

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\B140552-BLK3.054
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	114	20	17.6	0.000021	**0.1415**	ug/L
	Cr	53	20	11	4	35.7	-0.000011	**0.0662**	ug/L
	Fe	54	205	113	11	9.8	-0.000119	**7.6130**	ug/L
	Fe	56	3566	2020	38	1.9	-0.001978	**8.2173**	ug/L
>	Rh	103	621337	537023	3643	0.7	537022.695624		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	86.430

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140552-BLK4

Sample Description: 10x

Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:14:21
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 111

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\B140552-BLK4.055
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	119	14	11.4	0.000028	**0.1478**	ug/L
	Cr	53	20	15	7	48.1	-0.000004	**0.1102**	ug/L
	Fe	54	205	98	8	8.5	-0.000148	**7.3266**	ug/L
	Fe	56	3566	1658	16	1.0	-0.002680	**7.8631**	ug/L
>	Rh	103	621337	541933	1488	0.3	541933.254257		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	87.221

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140552-BS1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:15:14
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 112

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\B140552-BS1.056
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	25150	5	0.0	0.044899	**38.8910**	ug/L
	Cr	53	20	3187	80	2.5	0.005681	**38.3011**	ug/L
	Fe	54	205	707633	5199	0.7	1.268403	**12253.4305**	ug/L
	Fe	56	3566	14028523	138533	1.0	25.146338	**12687.1589**	ug/L
>	Rh	103	621337	557793	4936	0.9	557792.762976		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	89.773

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140552-SRM1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:16:07
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 113

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\B140552-SRM1.057
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	6305	109	1.7	0.011237	**9.8257**	ug/L
	Cr	53	20	834	9	1.0	0.001480	**10.0765**	ug/L
	Fe	54	205	114647	1107	1.0	0.207489	**2011.7824**	ug/L
	Fe	56	3566	2282409	34600	1.5	4.131462	**2092.1597**	ug/L
>	Rh	103	621337	551676	5763	1.0	551675.529352		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	88.789

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140552-SRM2

Sample Description: 10x

Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:17:00
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 114

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\B140552-SRM2.058
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	5263	65	1.2	0.009016	**7.9085**	ug/L
	Cr	53	20	675	35	5.2	0.001149	**7.8558**	ug/L
	Fe	54	205	59353	540	0.9	0.103533	**1008.2274**	ug/L
	Fe	56	3566	1129627	12143	1.1	1.970993	**1002.9233**	ug/L
>	Rh	103	621337	571475	2262	0.4	571474.547831		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	91.975

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV2

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 14:17:53
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CCV2.059
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	88431	1486	1.7	0.147763	**12.7707**	ug/L
	Cr	53	20	11576	201	1.7	0.019336	**13.0036**	ug/L
	Fe	54	205	151922	2004	1.3	0.253873	**245.9550**	ug/L
	Fe	56	3566	2961550	49986	1.7	4.949281	**250.4477**	ug/L
>	Rh	103	621337	597725	12751	2.1	597725.471003		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	96.200

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB2

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 14:18:47
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CCB2.060
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	157	17	10.6	0.000075	**0.0188**	ug/L
	Cr	53	20	20	5	22.2	0.000003	**0.0157**	ug/L
	Fe	54	205	184	4	2.2	-0.000015	**0.8614**	ug/L
	Fe	56	3566	3307	409	12.4	-0.000082	**0.9173**	ug/L
>	Rh	103	621337	585987	15316	2.6	585987.090316		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	94.311

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-01RE1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:19:57
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 115

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-01RE1.061
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	4521	203	4.5	0.008678	**7.6167**	ug/L
	Cr	53	20	570	15	2.6	0.001088	**7.4449**	ug/L
	Fe	54	205	9872	294	3.0	0.019043	**192.5930**	ug/L
	Fe	56	3566	219727	4653	2.1	0.425491	**223.7328**	ug/L
>	Rh	103	621337	509530	8111	1.6	509529.767360		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	82.005

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140552-DUP1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:20:50
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 116

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\B140552-DUP1.062
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	4907	140	2.8	0.008376	**7.3558**	ug/L
	Cr	53	20	648	32	4.9	0.001099	**7.5228**	ug/L
	Fe	54	205	7776	288	3.7	0.013251	**136.6758**	ug/L
	Fe	56	3566	178998	5184	2.9	0.306793	**163.8891**	ug/L
>	Rh	103	621337	573571	20354	3.5	573571.269388		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	92.312

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140552-MS1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:21:43
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 117

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\B140552-MS1.063
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	30008	481	1.6	0.049740	**43.0709**	ug/L
	Cr	53	20	3884	120	3.1	0.006433	**43.3555**	ug/L
	Fe	54	205	748718	13475	1.8	1.245581	**12033.1231**	ug/L
	Fe	56	3566	14878536	237212	1.6	24.751606	**12488.1481**	ug/L
>	Rh	103	621337	601919	25079	4.2	601918.512034		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	96.875

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140552-MSD1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:22:36
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 118

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\B140552-MSD1.064
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	32222	630	2.0	0.053116	**45.9853**	ug/L
	Cr	53	20	4167	154	3.7	0.006862	**46.2362**	ug/L
	Fe	54	205	767846	12469	1.6	1.270019	**12269.0332**	ug/L
	Fe	56	3566	15340239	304290	2.0	25.373169	**12801.5195**	ug/L
>	Rh	103	621337	604414	4652	0.8	604413.655599		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	97.276

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-02RE1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:23:29
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 119

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-02RE1.065
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	1776	86	4.8	0.002891	**2.6201**	ug/L
	Cr	53	20	255	9	3.4	0.000411	**2.8972**	ug/L
	Fe	54	205	5125	99	1.9	0.008580	**91.5899**	ug/L
	Fe	56	3566	118030	1683	1.4	0.199494	**109.7928**	ug/L
>	Rh	103	621337	575826	28000	4.9	575826.380470		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	92.675

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-03RE1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:24:22
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 120

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-03RE1.066
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	1514	16	1.1	0.002581	**2.3523**	ug/L
	Cr	53	20	198	9	4.3	0.000332	**2.3641**	ug/L
	Fe	54	205	5057	102	2.0	0.008930	**94.9649**	ug/L
	Fe	56	3566	115203	1465	1.3	0.205227	**112.6831**	ug/L
>	Rh	103	621337	546065	5678	1.0	546064.825055		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	87.886

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-04RE1

Sample Description: 10x

Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:25:15
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 121

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-04RE1.067
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	1846	80	4.3	0.003024	**2.7349**	ug/L
	Cr	53	20	247	12	5.0	0.000398	**2.8115**	ug/L
	Fe	54	205	5674	56	1.0	0.009555	**101.0000**	ug/L
	Fe	56	3566	121733	1491	1.2	0.206309	**113.2283**	ug/L
>	Rh	103	621337	574075	5604	1.0	574075.182860		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	92.394

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-05RE1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:26:08
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 122

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-05RE1.068
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	5306	73	1.4	0.008453	**7.4224**	ug/L
	Cr	53	20	703	23	3.3	0.001113	**7.6122**	ug/L
	Fe	54	205	11294	280	2.5	0.018074	**183.2408**	ug/L
	Fe	56	3566	254091	3259	1.3	0.408198	**215.0142**	ug/L
>	Rh	103	621337	614688	25290	4.1	614687.542488		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	98.930

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-06RE1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:27:01
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 123

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-06RE1.069
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	2250	71	3.2	0.003469	**3.1186**	ug/L
	Cr	53	20	289	21	7.4	0.000439	**3.0875**	ug/L
	Fe	54	205	13820	269	1.9	0.022157	**222.6571**	ug/L
	Fe	56	3566	316123	3968	1.3	0.508598	**265.6327**	ug/L
>	Rh	103	621337	614667	5928	1.0	614666.815903		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	98.927

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV3

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 14:27:55
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CCV3.070
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	90876	1072	1.2	0.145454	**12.5713**	ug/L
	Cr	53	20	11694	161	1.4	0.018710	**12.5830**	ug/L
	Fe	54	205	156018	1863	1.2	0.249703	**241.9301**	ug/L
	Fe	56	3566	3026067	34765	1.1	4.843938	**245.1366**	ug/L
>	Rh	103	621337	623999	5621	0.9	623999.068036		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	100.429

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB3

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 14:28:49
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CCB3.071
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	162	17	10.3	0.000085	**0.0197**	ug/L
	Cr	53	20	20	3	15.8	0.000003	**0.0158**	ug/L
	Fe	54	205	181	16	9.1	-0.000020	**0.8568**	ug/L
	Fe	56	3566	3069	513	16.7	-0.000493	**0.8966**	ug/L
>	Rh	103	621337	583809	18953	3.2	583808.580154		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	93.960

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-07RE1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:30:43
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 124

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-07RE1.072
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	1258	33	2.6	0.001952	**1.8088**	ug/L
	Cr	53	20	151	5	3.4	0.000226	**1.6531**	ug/L
	Fe	54	205	16090	394	2.4	0.027082	**270.1950**	ug/L
	Fe	56	3566	330528	7898	2.4	0.557378	**290.2255**	ug/L
>	Rh	103	621337	586906	8137	1.4	586905.653228		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	94.459

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-08RE1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:31:36
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 125

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-08RE1.073
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	1544	71	4.6	0.002362	**2.1633**	ug/L
	Cr	53	20	220	6	2.7	0.000332	**2.3705**	ug/L
	Fe	54	205	12722	352	2.8	0.020722	**208.8037**	ug/L
	Fe	56	3566	260296	4150	1.6	0.425031	**223.5008**	ug/L
>	Rh	103	621337	604268	10285	1.7	604267.890642		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	97.253

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-09RE1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:32:29
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 126

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-09RE1.074
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	13986	317	2.3	0.022197	**19.2887**	ug/L
	Cr	53	20	1849	27	1.5	0.002928	**19.8100**	ug/L
	Fe	54	205	326270	3990	1.2	0.521963	**5047.5905**	ug/L
	Fe	56	3566	6624021	93382	1.4	10.597846	**5352.2948**	ug/L
>	Rh	103	621337	624686	3197	0.5	624685.514615		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	100.539

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-10RE1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:33:22
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 127

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-10RE1.075
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	8858	221	2.5	0.014565	**12.6997**	ug/L
	Cr	53	20	1152	26	2.2	0.001888	**12.8229**	ug/L
	Fe	54	205	168745	2953	1.8	0.280811	**2719.6030**	ug/L
	Fe	56	3566	3429688	69269	2.0	5.708181	**2887.0888**	ug/L
>	Rh	103	621337	600201	8280	1.4	600200.708289		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	96.598

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-11RE1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:34:15
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 128

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-11RE1.076
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	5192	81	1.6	0.008223	**7.2238**	ug/L
	Cr	53	20	669	4	0.7	0.001053	**7.2084**	ug/L
	Fe	54	205	94311	983	1.0	0.152512	**1481.0500**	ug/L
	Fe	56	3566	1858541	16116	0.9	3.006118	**1524.7986**	ug/L
>	Rh	103	621337	617144	9426	1.5	617144.285383		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	99.325

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140552-DUP2
Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:35:08
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 129

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\B140552-DUP2.077
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	3590	68	1.9	0.005732	**5.0724**	ug/L
	Cr	53	20	480	12	2.5	0.000760	**5.2415**	ug/L
	Fe	54	205	60232	969	1.6	0.099043	**964.8817**	ug/L
	Fe	56	3566	1166806	17441	1.5	1.919320	**976.8715**	ug/L
>	Rh	103	621337	606094	3265	0.5	606094.159728		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	97.547

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140552-MS2

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:36:01
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 130

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\B140552-MS2.078
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	34819	684	2.0	0.056466	**48.8775**	ug/L
	Cr	53	20	4470	121	2.7	0.007241	**48.7838**	ug/L
	Fe	54	205	878756	17999	2.0	1.429582	**13809.3968**	ug/L
	Fe	56	3566	17664673	380804	2.2	28.737779	**14497.8437**	ug/L
>	Rh	103	621337	614551	12445	2.0	614551.008668		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	98.908

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140552-MSD2

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:36:54
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 131

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\B140552-MSD2.079
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	29849	209	0.7	0.045981	**39.8249**	ug/L
	Cr	53	20	3814	81	2.1	0.005868	**39.5543**	ug/L
	Fe	54	205	818110	12348	1.5	1.265178	**12222.3032**	ug/L
	Fe	56	3566	16362765	262848	1.6	25.304943	**12767.1223**	ug/L
>	Rh	103	621337	646456	4281	0.7	646456.249450		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	104.043

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV4

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 14:37:48
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CCV4.080
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	92563	714	0.8	0.143822	**12.4304**	ug/L
	Cr	53	20	11998	137	1.1	0.018635	**12.5326**	ug/L
	Fe	54	205	159110	1093	0.7	0.247224	**239.5365**	ug/L
	Fe	56	3566	3112319	22054	0.7	4.836537	**244.7635**	ug/L
>	Rh	103	621337	642740	2431	0.4	642740.408716		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	103.445

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB4

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 14:38:42
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CCB4.081
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	127	10	7.9	0.000000	**0.0124**	ug/L
	Cr	53	20	20	7	32.0	-0.000001	**0.0130**	ug/L
	Fe	54	205	308	19	6.0	0.000135	**1.0061**	ug/L
	Fe	56	3566	5655	195	3.4	0.002793	**1.0623**	ug/L
>	Rh	103	621337	662673	1981	0.3	662673.271503		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	106.653

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-12RE1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:40:30
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 132

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-12RE1.082
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	3005	95	3.1	0.004489	**3.9995**	ug/L
	Cr	53	20	382	8	2.1	0.000563	**3.9223**	ug/L
	Fe	54	205	58778	890	1.5	0.091224	**889.4031**	ug/L
	Fe	56	3566	1142355	14360	1.3	1.773582	**903.3950**	ug/L
>	Rh	103	621337	642006	5970	0.9	642006.489465		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	103.327

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-13RE1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:41:23
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 133

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-13RE1.083
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	23190	131	0.6	0.036733	**31.8400**	ug/L
	Cr	53	20	3026	91	3.0	0.004786	**32.2915**	ug/L
	Fe	54	205	563791	9823	1.7	0.897453	**8672.4274**	ug/L
	Fe	56	3566	11602026	224907	1.9	18.469549	**9320.9445**	ug/L
>	Rh	103	621337	628064	4943	0.8	628063.929193		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	101.083

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-14RE1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:42:16
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 134

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-14RE1.084
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	5105	143	2.8	0.008552	**7.5077**	ug/L
	Cr	53	20	631	29	4.6	0.001050	**7.1890**	ug/L
	Fe	54	205	85352	1194	1.4	0.145878	**1417.0125**	ug/L
	Fe	56	3566	1675749	31326	1.9	2.864816	**1453.5588**	ug/L
>	Rh	103	621337	583757	2485	0.4	583756.972193		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	93.952

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-15RE1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:43:09
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 135

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-15RE1.085
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	3165	109	3.4	0.004888	**4.3439**	ug/L
	Cr	53	20	432	14	3.2	0.000662	**4.5866**	ug/L
	Fe	54	205	55787	953	1.7	0.089219	**870.0452**	ug/L
	Fe	56	3566	1086230	16319	1.5	1.737864	**885.3876**	ug/L
>	Rh	103	621337	622963	2116	0.3	622963.293095		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	100.262

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-16RE1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:44:02
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 136

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-16RE1.086
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	4933	111	2.3	0.007943	**6.9820**	ug/L
	Cr	53	20	673	27	4.0	0.001078	**7.3797**	ug/L
	Fe	54	205	114210	1704	1.5	0.188018	**1823.8161**	ug/L
	Fe	56	3566	2289498	36711	1.6	3.769981	**1909.9128**	ug/L
>	Rh	103	621337	606430	4008	0.7	606429.996496		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	97.601

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-17RE1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:44:55
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 137

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-17RE1.087
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	4558	170	3.7	0.008244	**7.2417**	ug/L
	Cr	53	20	585	43	7.4	0.001057	**7.2389**	ug/L
	Fe	54	205	217070	5460	2.5	0.401166	**3881.4649**	ug/L
	Fe	56	3566	4344908	107704	2.5	8.027930	**4056.6289**	ug/L
>	Rh	103	621337	552180	90796	16.4	552179.748991		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	88.870

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-18RE1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:45:48
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 138

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-18RE1.088
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	912	14	1.5	0.001241	**1.1950**	ug/L
	Cr	53	20	113	13	11.3	0.000146	**1.1203**	ug/L
	Fe	54	205	24601	266	1.1	0.038312	**378.6119**	ug/L
	Fe	56	3566	478733	4849	1.0	0.746231	**385.4393**	ug/L
>	Rh	103	621337	636658	4303	0.7	636658.069941		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	102.466

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-19RE1

Sample Description: 10x
Batch ID: B140552

Sample Date/Time: Tuesday, April 01, 2014 14:46:41
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 139

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\1411043-19RE1.089
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	34635	1127	3.3	0.053914	**46.6746**	ug/L
	Cr	53	20	4477	129	2.9	0.006964	**46.9173**	ug/L
	Fe	54	205	898729	26800	3.0	1.403791	**13560.4202**	ug/L
	Fe	56	3566	18437400	581100	3.2	28.798181	**14528.2965**	ug/L
>	Rh	103	621337	640536	32746	5.1	640536.291582		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	103.090

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV5

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 14:47:35
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CCV5.090
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	89724	1825	2.0	0.145580	**12.5821**	ug/L
	Cr	53	20	11600	458	3.9	0.018809	**12.6496**	ug/L
	Fe	54	205	153970	3924	2.5	0.249802	**242.0248**	ug/L
	Fe	56	3566	3006024	78421	2.6	4.877572	**246.8324**	ug/L
>	Rh	103	621337	615633	18359	3.0	615633.034791		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	99.082

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB5

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 14:48:29
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CCB5.091
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	132	18	13.6	0.000028	**0.0148**	ug/L
	Cr	53	20	19	4	21.7	-0.000001	**0.0133**	ug/L
	Fe	54	205	279	36	12.9	0.000134	**1.0051**	ug/L
	Fe	56	3566	5460	641	11.7	0.003345	**1.0901**	ug/L
>	Rh	103	621337	600187	12737	2.1	600186.604777		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	96.596

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV6

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 14:55:37
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CCV6.098
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	88047	957	1.1	0.142505	**12.3167**	ug/L
	Cr	53	20	11352	76	0.7	0.018367	**12.3521**	ug/L
	Fe	54	205	150618	832	0.6	0.243779	**236.2105**	ug/L
	Fe	56	3566	2936560	31934	1.1	4.753518	**240.5779**	ug/L
>	Rh	103	621337	617013	2655	0.4	617013.100880		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	99.304

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB6

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 14:56:31
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CCB6.099
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	136	27	20.0	0.000012	**0.0134**	ug/L
	Cr	53	20	21	5	25.2	-0.000000	**0.0136**	ug/L
	Fe	54	205	161	20	12.4	-0.000089	**0.7899**	ug/L
	Fe	56	3566	2782	485	17.4	-0.001572	**0.8422**	ug/L
>	Rh	103	621337	667698	3589	0.5	667697.991557		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	107.462

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV7

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 15:02:44
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CCV7.106
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	83317	502	0.6	0.132668	**11.4673**	ug/L
	Cr	53	20	10646	8	0.1	0.016946	**11.3975**	ug/L
	Fe	54	205	145200	764	0.5	0.231217	**224.0840**	ug/L
	Fe	56	3566	2828896	24520	0.9	4.505036	**228.0503**	ug/L
>	Rh	103	621337	627257	12940	2.1	627257.049395		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	100.953

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB7

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 15:03:38
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CCB7.107
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	122	6	5.1	0.000014	**0.0135**	ug/L
	Cr	53	20	13	8	60.2	-0.000009	**0.0075**	ug/L
	Fe	54	205	132	35	26.7	-0.000107	**0.7728**	ug/L
	Fe	56	3566	2325	327	14.1	-0.001820	**0.8297**	ug/L
>	Rh	103	621337	592725	3940	0.7	592724.906100		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	95.395

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV8

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 15:10:46
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CCV8.115
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	85293	464	0.5	0.135792	**11.7370**	ug/L
	Cr	53	20	10942	171	1.6	0.017414	**11.7122**	ug/L
	Fe	54	205	148386	1424	1.0	0.236241	**228.9338**	ug/L
	Fe	56	3566	2918824	24623	0.8	4.647760	**235.2460**	ug/L
>	Rh	103	621337	627249	3965	0.6	627249.172754		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	100.952

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB8

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 01, 2014 15:11:40
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\04-14\1400274.sam
Method File: C:\Elandata\Method\2014\04-14\1400274-0060-icpms2-ar.mth
Dataset File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-CCB8.116
Calibration File: C:\Elandata\System\2014\04-14\1400274.cal
Blank File: C:\Elandata\Dataset\Data\2014\04-14\1400274\SEQ-ICB1.031

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Cr	52	119	156	17	10.6	0.000051	**0.0168**	ug/L
	Cr	53	20	18	10	54.6	-0.000003	**0.0119**	ug/L
	Fe	54	205	638	20	3.1	0.000658	**1.5109**	ug/L
	Fe	56	3566	12320	110	0.9	0.013354	**1.5947**	ug/L
>	Rh	103	621337	646199	32713	5.1	646198.960347		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Cr	52	
	Cr	53	
	Fe	54	
	Fe	56	
>	Rh	103	104.001

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400285-ICB1	1400285	QC	1		-			
1400285-CAL1	1400285	QC	2	1411038	-			
1400285-CAL2	1400285	QC	3	1411039	-			
1400285-CAL3	1400285	QC	4	1411040	-			
1400285-CAL4	1400285	QC	5	1411041	-			
1400285-CAL5	1400285	QC	6	1411042	-			
1400285-CAL6	1400285	QC	7	1411043	-			
1400285-CAL7	1400285	QC	8	1411044	-			
1400285-CAL8	1400285	QC	9	1411045	-			
1400285-ICB2	1400285	QC	10		-			
1400285-ICV1	1400285	QC	11	1341021	-			
1400285-ICB3	1400285	QC	12		-			
1400285-IBL1	1400285	QC	13		-			
1400285-IBL2	1400285	QC	14		-			
1400285-IBL3	1400285	QC	15		-			
1400285-IBL4	1400285	QC	16		-			
1400285-SCV1	1400285	QC	17	1414027	-			
1400285-SCV2	1400285	QC	18	1414027	-			
1400285-SCV3	1400285	QC	19	1414027	-			
1400285-SCV4	1400285	QC	20	1333002	-			
1400285-SCV5	1400285	QC	21	1352078	-			
1400285-IFA1	1400285	QC	22	1343002	-			
1400285-IFB1	1400285	QC	23	1343001	-			
1400285-CCV1	1400285	QC	24	1411041	-			
1400285-CCB1	1400285	QC	25		-			
B140563-BLK1	B140563	QC	26		-			

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140563-BLK2	B140563	QC	27		-			
B140563-BLK3	B140563	QC	28		-			
B140563-BLK4	B140563	QC	29		-			
B140563-BS1	B140563	QC	30		-			
B140563-SRM1	B140563	QC	31		-			
B140563-SRM2	B140563	QC	32		-			
1411012-03RE1	B140563	Sb-FW-Oven-ICPMS-TR	33			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-03RE1	B140563	Tl-FW-Oven-ICPMS-TR	33			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-03RE1	B140563	Ag-FW-Oven-ICPMS-TR	33			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-03RE1	B140563	Be-FW-Oven-ICPMS-TR	33			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-03RE1	B140563	Zn-FW-Oven-ICPMS-TR	33			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-03RE1	B140563	Cu-FW-Oven-ICPMS-TR	33			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-03RE1	B140563	Pb-FW-Oven-ICPMS-TR	33			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-03RE1	B140563	Cd-FW-Oven-ICPMS-TR	33			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411028-13RE1	B140563	Mo-FW-Oven-ICPMS-Diss	34			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-13RE1	B140563	Ca-FW-Oven-ICPMS-Diss	34			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-13RE1	B140563	Mg-FW-Oven-ICPMS-Diss	34			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-13RE1	B140563	Na-FW-Oven-ICPMS-Diss	34			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-13RE1	B140563	Mn-FW-Oven-ICPMS-Diss	34			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-28RE1	B140563	Ca-FW-Oven-ICPMS-TR	35			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-28RE1	B140563	Mn-FW-Oven-ICPMS-TR	35			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-28RE1	B140563	Mg-FW-Oven-ICPMS-TR	35			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-28RE1	B140563	Na-FW-Oven-ICPMS-TR	35			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-28RE1	B140563	Mo-FW-Oven-ICPMS-TR	35			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1400285-CCV2	1400285	QC	36	1411041	-			
1400285-CCB2	1400285	QC	37		-			

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411012-01RE1	B140563	Cu-FW-Oven-ICPMS-Diss	38			AAL-DB1301	1/1/1980	Added 4/4/2014 by A_R
1411012-01RE1	B140563	Cd-FW-Oven-ICPMS-TR	38			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-01RE1	B140563	Tl-FW-Oven-ICPMS-TR	38			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-01RE1	B140563	Ca-FW-Oven-ICPMS-TR	38			AAL-DB1301	1/1/1980	BatchQC
1411012-01RE1	B140563	Na-FW-Oven-ICPMS-Diss	38			AAL-DB1301	1/1/1980	BatchQC
1411012-01RE1	B140563	Mg-FW-Oven-ICPMS-Diss	38			AAL-DB1301	1/1/1980	BatchQC
1411012-01RE1	B140563	Cd-FW-Oven-ICPMS-Diss	38			AAL-DB1301	1/1/1980	Added 4/4/2014 by A_R
1411012-01RE1	B140563	Pb-FW-Oven-ICPMS-TR	38			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-01RE1	B140563	Mn-FW-Oven-ICPMS-TR	38			AAL-DB1301	1/1/1980	BatchQC
1411012-01RE1	B140563	Mg-FW-Oven-ICPMS-TR	38			AAL-DB1301	1/1/1980	BatchQC
1411012-01RE1	B140563	Zn-FW-Oven-ICPMS-TR	38			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-01RE1	B140563	Mo-FW-Oven-ICPMS-TR	38			AAL-DB1301	1/1/1980	BatchQC
1411012-01RE1	B140563	Tl-FW-Oven-ICPMS-Diss	38			AAL-DB1301	1/1/1980	Added 4/4/2014 by A_R
1411012-01RE1	B140563	Mn-FW-Oven-ICPMS-Diss	38			AAL-DB1301	1/1/1980	BatchQC
1411012-01RE1	B140563	Na-FW-Oven-ICPMS-TR	38			AAL-DB1301	1/1/1980	BatchQC
1411012-01RE1	B140563	Sb-FW-Oven-ICPMS-TR	38			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-01RE1	B140563	Cu-FW-Oven-ICPMS-TR	38			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-01RE1	B140563	Ca-FW-Oven-ICPMS-Diss	38			AAL-DB1301	1/1/1980	BatchQC
1411012-01RE1	B140563	Mo-FW-Oven-ICPMS-Diss	38			AAL-DB1301	1/1/1980	BatchQC
1411012-01RE1	B140563	Pb-FW-Oven-ICPMS-Diss	38			AAL-DB1301	1/1/1980	Added 4/4/2014 by A_R
1411012-01RE1	B140563	Ag-FW-Oven-ICPMS-TR	38			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-01RE1	B140563	Be-FW-Oven-ICPMS-TR	38			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
B140563-DUP1	B140563	QC	39		1411012-01RE1			
B140563-MS1	B140563	QC	40		1411012-01RE1			
B140563-MSD1	B140563	QC	41		1411012-01RE1			
1411012-02RE1	B140563	Cd-FW-Oven-ICPMS-TR	42			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411012-02RE1	B140563	Sb-FW-Oven-ICPMS-TR	42			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-02RE1	B140563	Cu-FW-Oven-ICPMS-TR	42			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-02RE1	B140563	Pb-FW-Oven-ICPMS-TR	42			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-02RE1	B140563	Zn-FW-Oven-ICPMS-TR	42			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-02RE1	B140563	Tl-FW-Oven-ICPMS-TR	42			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-02RE1	B140563	Ag-FW-Oven-ICPMS-TR	42			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1411012-02RE1	B140563	Be-FW-Oven-ICPMS-TR	42			AAL-DB1301	4/2/2014	From B140420 by CCE on 04/02/14
1400285-CCV3	1400285	QC	43	1411041	-			
1400285-CCB3	1400285	QC	44		-			
1411028-03RE3	B140563	Mn-FW-Oven-ICPMS-Diss	45			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-03RE3	B140563	Mo-FW-Oven-ICPMS-Diss	45			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-03RE3	B140563	Na-FW-Oven-ICPMS-Diss	45			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-03RE3	B140563	Ca-FW-Oven-ICPMS-Diss	45			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-03RE3	B140563	Mg-FW-Oven-ICPMS-Diss	45			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-06RE2	B140563	Mn-FW-Oven-ICPMS-Diss	46			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-06RE2	B140563	Na-FW-Oven-ICPMS-Diss	46			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-06RE2	B140563	Mg-FW-Oven-ICPMS-Diss	46			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-06RE2	B140563	Mo-FW-Oven-ICPMS-Diss	46			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-06RE2	B140563	Ca-FW-Oven-ICPMS-Diss	46			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-07RE2	B140563	Sb-FW-Oven-ICPMS-TR	47			EPR-PA1401	1/1/1980	BatchQC
1411028-07RE2	B140563	Na-FW-Oven-ICPMS-TR	47			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-07RE2	B140563	Na-FW-Oven-ICPMS-Diss	47			EPR-PA1401	1/1/1980	BatchQC
1411028-07RE2	B140563	Mo-FW-Oven-ICPMS-Diss	47			EPR-PA1401	1/1/1980	BatchQC
1411028-07RE2	B140563	Mn-FW-Oven-ICPMS-Diss	47			EPR-PA1401	1/1/1980	BatchQC
1411028-07RE2	B140563	Pb-FW-Oven-ICPMS-Diss	47			EPR-PA1401	1/1/1980	BatchQC
1411028-07RE2	B140563	Mo-FW-Oven-ICPMS-TR	47			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411028-07RE2	B140563	Mn-FW-Oven-ICPMS-TR	47			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-07RE2	B140563	Ca-FW-Oven-ICPMS-TR	47			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-07RE2	B140563	Ag-FW-Oven-ICPMS-TR	47			EPR-PA1401	1/1/1980	BatchQC
1411028-07RE2	B140563	Pb-FW-Oven-ICPMS-TR	47			EPR-PA1401	1/1/1980	BatchQC
1411028-07RE2	B140563	Ca-FW-Oven-ICPMS-Diss	47			EPR-PA1401	1/1/1980	BatchQC
1411028-07RE2	B140563	Tl-FW-Oven-ICPMS-Diss	47			EPR-PA1401	1/1/1980	BatchQC
1411028-07RE2	B140563	Cu-FW-Oven-ICPMS-Diss	47			EPR-PA1401	1/1/1980	BatchQC
1411028-07RE2	B140563	Cd-FW-Oven-ICPMS-Diss	47			EPR-PA1401	1/1/1980	BatchQC
1411028-07RE2	B140563	Mg-FW-Oven-ICPMS-TR	47			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-07RE2	B140563	Mg-FW-Oven-ICPMS-Diss	47			EPR-PA1401	1/1/1980	BatchQC
1411028-07RE2	B140563	Cu-FW-Oven-ICPMS-TR	47			EPR-PA1401	1/1/1980	BatchQC
1411028-07RE2	B140563	Zn-FW-Oven-ICPMS-TR	47			EPR-PA1401	1/1/1980	BatchQC
1411028-07RE2	B140563	Tl-FW-Oven-ICPMS-TR	47			EPR-PA1401	1/1/1980	BatchQC
1411028-07RE2	B140563	Be-FW-Oven-ICPMS-TR	47			EPR-PA1401	1/1/1980	BatchQC
1411028-07RE2	B140563	Cd-FW-Oven-ICPMS-TR	47			EPR-PA1401	1/1/1980	BatchQC
B140563-DUP2	B140563	QC	48		1411028-07RE2			
B140563-MS2	B140563	QC	49		1411028-07RE2			
B140563-MSD2	B140563	QC	50		1411028-07RE2			
1400285-CCV4	1400285	QC	51	1411041	-			
1400285-CCB4	1400285	QC	52		-			
1411028-12RE2	B140563	Mn-FW-Oven-ICPMS-Diss	53			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-12RE2	B140563	Mo-FW-Oven-ICPMS-Diss	53			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-12RE2	B140563	Na-FW-Oven-ICPMS-Diss	53			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-12RE2	B140563	Mg-FW-Oven-ICPMS-Diss	53			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-12RE2	B140563	Ca-FW-Oven-ICPMS-Diss	53			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-14RE2	B140563	Ca-FW-Oven-ICPMS-TR	54			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411028-14RE2	B140563	Mg-FW-Oven-ICPMS-TR	54			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-14RE2	B140563	Mo-FW-Oven-ICPMS-TR	54			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-14RE2	B140563	Na-FW-Oven-ICPMS-TR	54			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-14RE2	B140563	Mn-FW-Oven-ICPMS-TR	54			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-18RE2	B140563	Mg-FW-Oven-ICPMS-Diss	55			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-18RE2	B140563	Mo-FW-Oven-ICPMS-Diss	55			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-18RE2	B140563	Mn-FW-Oven-ICPMS-Diss	55			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-18RE2	B140563	Ca-FW-Oven-ICPMS-Diss	55			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-18RE2	B140563	Na-FW-Oven-ICPMS-Diss	55			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-19RE2	B140563	Na-FW-Oven-ICPMS-TR	56			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-19RE2	B140563	Mo-FW-Oven-ICPMS-TR	56			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-19RE2	B140563	Mn-FW-Oven-ICPMS-TR	56			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-19RE2	B140563	Mg-FW-Oven-ICPMS-TR	56			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-19RE2	B140563	Ca-FW-Oven-ICPMS-TR	56			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-23RE2	B140563	Mn-FW-Oven-ICPMS-Diss	57			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-23RE2	B140563	Ca-FW-Oven-ICPMS-Diss	57			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-23RE2	B140563	Mg-FW-Oven-ICPMS-Diss	57			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-23RE2	B140563	Na-FW-Oven-ICPMS-Diss	57			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-23RE2	B140563	Mo-FW-Oven-ICPMS-Diss	57			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1400285-CCV5	1400285	QC	58	1411041	-			
1400285-CCB5	1400285	QC	59		-			
1411028-03RE2	B140563	Na-FW-Oven-ICPMS-Diss	60			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-03RE2	B140563	Mg-FW-Oven-ICPMS-Diss	60			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-03RE2	B140563	Ca-FW-Oven-ICPMS-Diss	60			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-03RE2	B140563	Mo-FW-Oven-ICPMS-Diss	60			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14
1411028-03RE2	B140563	Mn-FW-Oven-ICPMS-Diss	60			EPR-PA1401	3/24/2014	From B140420 by CCE on 04/02/14

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411028-06RE3	B140563	Na-FW-Oven-ICPMS-Diss	61			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-06RE3	B140563	Mo-FW-Oven-ICPMS-Diss	61			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-06RE3	B140563	Mn-FW-Oven-ICPMS-Diss	61			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-06RE3	B140563	Ca-FW-Oven-ICPMS-Diss	61			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-06RE3	B140563	Mg-FW-Oven-ICPMS-Diss	61			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-07RE3	B140563	Mo-FW-Oven-ICPMS-TR	62			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-07RE3	B140563	Cd-FW-Oven-ICPMS-TR	62			EPR-PA1401	1/1/1980	Added 4/4/2014 by A_R
1411028-07RE3	B140563	Cu-FW-Oven-ICPMS-TR	62			EPR-PA1401	1/1/1980	Added 4/4/2014 by A_R
1411028-07RE3	B140563	Tl-FW-Oven-ICPMS-TR	62			EPR-PA1401	1/1/1980	Added 4/4/2014 by A_R
1411028-07RE3	B140563	Mn-FW-Oven-ICPMS-Diss	62			EPR-PA1401	1/1/1980	Added 4/4/2014 by A_R
1411028-07RE3	B140563	Na-FW-Oven-ICPMS-TR	62			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-07RE3	B140563	Pb-FW-Oven-ICPMS-TR	62			EPR-PA1401	1/1/1980	Added 4/4/2014 by A_R
1411028-07RE3	B140563	Sb-FW-Oven-ICPMS-TR	62			EPR-PA1401	1/1/1980	Added 4/4/2014 by A_R
1411028-07RE3	B140563	Zn-FW-Oven-ICPMS-TR	62			EPR-PA1401	1/1/1980	Added 4/4/2014 by A_R
1411028-07RE3	B140563	Mo-FW-Oven-ICPMS-Diss	62			EPR-PA1401	1/1/1980	Added 4/4/2014 by A_R
1411028-07RE3	B140563	Mg-FW-Oven-ICPMS-Diss	62			EPR-PA1401	1/1/1980	Added 4/4/2014 by A_R
1411028-07RE3	B140563	Ag-FW-Oven-ICPMS-TR	62			EPR-PA1401	1/1/1980	Added 4/4/2014 by A_R
1411028-07RE3	B140563	Mn-FW-Oven-ICPMS-TR	62			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-07RE3	B140563	Na-FW-Oven-ICPMS-Diss	62			EPR-PA1401	1/1/1980	Added 4/4/2014 by A_R
1411028-07RE3	B140563	Mg-FW-Oven-ICPMS-TR	62			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-07RE3	B140563	Ca-FW-Oven-ICPMS-TR	62			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-07RE3	B140563	Ca-FW-Oven-ICPMS-Diss	62			EPR-PA1401	1/1/1980	Added 4/4/2014 by A_R
1411028-07RE3	B140563	Be-FW-Oven-ICPMS-TR	62			EPR-PA1401	1/1/1980	Added 4/4/2014 by A_R
B140563-DUP3	B140563	QC	63		1411028-07RE3			
B140563-MS3	B140563	QC	64		1411028-07RE3			
B140563-MSD3	B140563	QC	65		1411028-07RE3			

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400285-CCV6	1400285	QC	66	1411041	-			
1400285-CCB6	1400285	QC	67		-			
1411028-12RE3	B140563	Ca-FW-Oven-ICPMS-Diss	68			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-12RE3	B140563	Na-FW-Oven-ICPMS-Diss	68			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-12RE3	B140563	Mg-FW-Oven-ICPMS-Diss	68			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-12RE3	B140563	Mn-FW-Oven-ICPMS-Diss	68			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-12RE3	B140563	Mo-FW-Oven-ICPMS-Diss	68			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-14RE3	B140563	Ca-FW-Oven-ICPMS-TR	69			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-14RE3	B140563	Mg-FW-Oven-ICPMS-TR	69			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-14RE3	B140563	Mo-FW-Oven-ICPMS-TR	69			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-14RE3	B140563	Mn-FW-Oven-ICPMS-TR	69			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-14RE3	B140563	Na-FW-Oven-ICPMS-TR	69			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-18RE3	B140563	Na-FW-Oven-ICPMS-Diss	70			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-18RE3	B140563	Mo-FW-Oven-ICPMS-Diss	70			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-18RE3	B140563	Mn-FW-Oven-ICPMS-Diss	70			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-18RE3	B140563	Mg-FW-Oven-ICPMS-Diss	70			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-18RE3	B140563	Ca-FW-Oven-ICPMS-Diss	70			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-19RE3	B140563	Na-FW-Oven-ICPMS-TR	71			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-19RE3	B140563	Mo-FW-Oven-ICPMS-TR	71			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-19RE3	B140563	Mn-FW-Oven-ICPMS-TR	71			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-19RE3	B140563	Ca-FW-Oven-ICPMS-TR	71			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-19RE3	B140563	Mg-FW-Oven-ICPMS-TR	71			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-23RE3	B140563	Ca-FW-Oven-ICPMS-Diss	72			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-23RE3	B140563	Mn-FW-Oven-ICPMS-Diss	72			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-23RE3	B140563	Na-FW-Oven-ICPMS-Diss	72			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1411028-23RE3	B140563	Mo-FW-Oven-ICPMS-Diss	72			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411028-23RE3	B140563	Mg-FW-Oven-ICPMS-Diss	72			EPR-PA1401	3/24/2014	Added 4/4/2014 by A_R
1400285-CCV7	1400285	QC	73	1411041	-			
1400285-CCB7	1400285	QC	74		-			
B140517-BLK1	B140517	QC	75		-			
B140517-BLK2	B140517	QC	76		-			
B140517-BLK3	B140517	QC	77		-			
B140517-BLK4	B140517	QC	78		-			
B140517-BS1	B140517	QC	79		-			
B140517-SRM1	B140517	QC	80		-			
B140517-SRM2	B140517	QC	81		-			
B140517-SRM3	B140517	QC	82		-			
1411036-03	B140517	As-FW-Oven-ICPMS-TR	83			CGP-GP1001	4/4/2014	
1411048-03	B140517	As-FW-Oven-ICPMS-TR	84			CGP-GP1001	4/7/2014	
1412005-02	B140517	Tl-FW-Oven-ICPMS-TR	85			WDE-YK1302	4/8/2014	
1412005-02	B140517	Se-FW-Oven-ICPMS-TR	85			WDE-YK1302	4/8/2014	
1412005-02	B140517	Sb-FW-Oven-ICPMS-TR	85			WDE-YK1302	4/8/2014	
1412005-02	B140517	Pb-FW-Oven-ICPMS-TR	85			WDE-YK1302	4/8/2014	
1412005-02	B140517	Na-FW-Oven-ICPMS-TR	85			WDE-YK1302	4/8/2014	
1412005-02	B140517	Ca-FW-Oven-ICPMS-TR	85			WDE-YK1302	4/8/2014	
1412005-02	B140517	As-FW-Oven-ICPMS-TR	85			WDE-YK1302	4/8/2014	
1412005-02	B140517	Al-FW-Oven-ICPMS-TR	85			WDE-YK1302	4/8/2014	
1412005-02	B140517	Ni-FW-Oven-ICPMS-TR	85			WDE-YK1302	4/8/2014	
1412005-02	B140517	Zn-FW-Oven-ICPMS-TR	85			WDE-YK1302	4/8/2014	
1412005-02	B140517	Cd-FW-Oven-ICPMS-TR	85			WDE-YK1302	4/8/2014	
1412005-02	B140517	Cr-FW-Oven-ICPMS-TR	85			WDE-YK1302	4/8/2014	
1412005-02	B140517	Cu-FW-Oven-ICPMS-TR	85			WDE-YK1302	4/8/2014	

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412005-02	B140517	Fe-FW-Oven-ICPMS-TR	85			WDE-YK1302	4/8/2014	
1412005-02	B140517	K-FW-Oven-ICPMS-TR	85			WDE-YK1302	4/8/2014	
1412005-02	B140517	Mg-FW-Oven-ICPMS-TR	85			WDE-YK1302	4/8/2014	
1412005-02	B140517	Ag-FW-Oven-ICPMS-TR	85			WDE-YK1302	4/8/2014	
1400285-CCV8	1400285	QC	86	1411041	-			
1400285-CCB8	1400285	QC	87		-			
1412005-04	B140517	Ni-FW-Oven-ICPMS-Diss	88			WDE-YK1302	4/8/2014	
1412005-04	B140517	Tl-FW-Oven-ICPMS-Diss	88			WDE-YK1302	4/8/2014	
1412005-04	B140517	Se-FW-Oven-ICPMS-Diss	88			WDE-YK1302	4/8/2014	
1412005-04	B140517	Sb-FW-Oven-ICPMS-Diss	88			WDE-YK1302	4/8/2014	
1412005-04	B140517	Pb-FW-Oven-ICPMS-Diss	88			WDE-YK1302	4/8/2014	
1412005-04	B140517	Fe-FW-Oven-ICPMS-Diss	88			WDE-YK1302	4/8/2014	
1412005-04	B140517	Zn-FW-Oven-ICPMS-Diss	88			WDE-YK1302	4/8/2014	
1412005-04	B140517	Na-FW-Oven-ICPMS-Diss	88			WDE-YK1302	4/8/2014	
1412005-04	B140517	K-FW-Oven-ICPMS-Diss	88			WDE-YK1302	4/8/2014	
1412005-04	B140517	Cu-FW-Oven-ICPMS-Diss	88			WDE-YK1302	4/8/2014	
1412005-04	B140517	Cr-FW-Oven-ICPMS-Diss	88			WDE-YK1302	4/8/2014	
1412005-04	B140517	Cd-FW-Oven-ICPMS-Diss	88			WDE-YK1302	4/8/2014	
1412005-04	B140517	Ag-FW-Oven-ICPMS-Diss	88			WDE-YK1302	4/8/2014	
1412005-04	B140517	Ca-FW-Oven-ICPMS-Diss	88			WDE-YK1302	4/8/2014	
1412005-04	B140517	As-FW-Oven-ICPMS-Diss	88			WDE-YK1302	4/8/2014	
1412005-04	B140517	Al-FW-Oven-ICPMS-Diss	88			WDE-YK1302	4/8/2014	
1412005-04	B140517	Mg-FW-Oven-ICPMS-Diss	88			WDE-YK1302	4/8/2014	
1412005-06	B140517	Cr-FW-Oven-ICPMS-Diss	89			WDE-YK1302	1/1/1980	BatchQC
1412005-06	B140517	Ca-FW-Oven-ICPMS-TR	89			WDE-YK1302	4/8/2014	
1412005-06	B140517	Al-FW-Oven-ICPMS-TR	89			WDE-YK1302	4/8/2014	

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412005-06	B140517	Fe-FW-Oven-ICPMS-TR	89			WDE-YK1302	4/8/2014	
1412005-06	B140517	K-FW-Oven-ICPMS-TR	89			WDE-YK1302	4/8/2014	
1412005-06	B140517	Mg-FW-Oven-ICPMS-TR	89			WDE-YK1302	4/8/2014	
1412005-06	B140517	Se-FW-Oven-ICPMS-TR	89			WDE-YK1302	4/8/2014	
1412005-06	B140517	Tl-FW-Oven-ICPMS-TR	89			WDE-YK1302	4/8/2014	
1412005-06	B140517	Cu-FW-Oven-ICPMS-Diss	89			WDE-YK1302	1/1/1980	BatchQC
1412005-06	B140517	Sb-FW-Oven-ICPMS-Diss	89			WDE-YK1302	1/1/1980	BatchQC
1412005-06	B140517	Cd-FW-Oven-ICPMS-Diss	89			WDE-YK1302	1/1/1980	BatchQC
1412005-06	B140517	Ag-FW-Oven-ICPMS-TR	89			WDE-YK1302	4/8/2014	
1412005-06	B140517	Tl-FW-Oven-ICPMS-Diss	89			WDE-YK1302	1/1/1980	BatchQC
1412005-06	B140517	Fe-FW-Oven-ICPMS-Diss	89			WDE-YK1302	1/1/1980	BatchQC
1412005-06	B140517	Se-FW-Oven-ICPMS-Diss	89			WDE-YK1302	1/1/1980	BatchQC
1412005-06	B140517	Pb-FW-Oven-ICPMS-Diss	89			WDE-YK1302	1/1/1980	BatchQC
1412005-06	B140517	Zn-FW-Oven-ICPMS-TR	89			WDE-YK1302	4/8/2014	
1412005-06	B140517	K-FW-Oven-ICPMS-Diss	89			WDE-YK1302	1/1/1980	BatchQC
1412005-06	B140517	Cu-FW-Oven-ICPMS-TR	89			WDE-YK1302	4/8/2014	
1412005-06	B140517	Al-FW-Oven-ICPMS-Diss	89			WDE-YK1302	1/1/1980	BatchQC
1412005-06	B140517	As-FW-Oven-ICPMS-Diss	89			WDE-YK1302	1/1/1980	BatchQC
1412005-06	B140517	Ca-FW-Oven-ICPMS-Diss	89			WDE-YK1302	1/1/1980	BatchQC
1412005-06	B140517	As-FW-Oven-ICPMS-TR	89			WDE-YK1302	4/8/2014	
1412005-06	B140517	Sb-FW-Oven-ICPMS-TR	89			WDE-YK1302	4/8/2014	
1412005-06	B140517	Ni-FW-Oven-ICPMS-Diss	89			WDE-YK1302	1/1/1980	BatchQC
1412005-06	B140517	Mg-FW-Oven-ICPMS-Diss	89			WDE-YK1302	1/1/1980	BatchQC
1412005-06	B140517	Pb-FW-Oven-ICPMS-TR	89			WDE-YK1302	4/8/2014	
1412005-06	B140517	Ag-FW-Oven-ICPMS-Diss	89			WDE-YK1302	1/1/1980	BatchQC
1412005-06	B140517	Ni-FW-Oven-ICPMS-TR	89			WDE-YK1302	4/8/2014	

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412005-06	B140517	Zn-FW-Oven-ICPMS-Diss	89			WDE-YK1302	1/1/1980	BatchQC
1412005-06	B140517	Na-FW-Oven-ICPMS-TR	89			WDE-YK1302	4/8/2014	
1412005-06	B140517	Cr-FW-Oven-ICPMS-TR	89			WDE-YK1302	4/8/2014	
1412005-06	B140517	Cd-FW-Oven-ICPMS-TR	89			WDE-YK1302	4/8/2014	
1412005-06	B140517	Na-FW-Oven-ICPMS-Diss	89			WDE-YK1302	1/1/1980	BatchQC
B140517-DUP1	B140517	QC	90		1412005-06			
B140517-MS1	B140517	QC	91		1412005-06			
B140517-MSD1	B140517	QC	92		1412005-06			
1412005-04RE1	B140517	Pb-FW-Oven-ICPMS-Diss	93			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-04RE1	B140517	Cd-FW-Oven-ICPMS-Diss	93			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-04RE1	B140517	As-FW-Oven-ICPMS-Diss	93			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-04RE1	B140517	Ca-FW-Oven-ICPMS-Diss	93			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-04RE1	B140517	K-FW-Oven-ICPMS-Diss	93			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-04RE1	B140517	Tl-FW-Oven-ICPMS-Diss	93			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-04RE1	B140517	Se-FW-Oven-ICPMS-Diss	93			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-04RE1	B140517	Mg-FW-Oven-ICPMS-Diss	93			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-04RE1	B140517	Ag-FW-Oven-ICPMS-Diss	93			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-04RE1	B140517	Cr-FW-Oven-ICPMS-Diss	93			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-04RE1	B140517	Fe-FW-Oven-ICPMS-Diss	93			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-04RE1	B140517	Cu-FW-Oven-ICPMS-Diss	93			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-04RE1	B140517	Sb-FW-Oven-ICPMS-Diss	93			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-04RE1	B140517	Al-FW-Oven-ICPMS-Diss	93			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-04RE1	B140517	Zn-FW-Oven-ICPMS-Diss	93			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-04RE1	B140517	Ni-FW-Oven-ICPMS-Diss	93			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-04RE1	B140517	Na-FW-Oven-ICPMS-Diss	93			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Cd-FW-Oven-ICPMS-TR	94			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412005-06RE1	B140517	Ag-FW-Oven-ICPMS-Diss	94			WDE-YK1302	1/1/1980	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Al-FW-Oven-ICPMS-Diss	94			WDE-YK1302	1/1/1980	Added 4/4/2014 by A_R
1412005-06RE1	B140517	As-FW-Oven-ICPMS-Diss	94			WDE-YK1302	1/1/1980	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Se-FW-Oven-ICPMS-Diss	94			WDE-YK1302	1/1/1980	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Ca-FW-Oven-ICPMS-TR	94			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Se-FW-Oven-ICPMS-TR	94			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Ni-FW-Oven-ICPMS-Diss	94			WDE-YK1302	1/1/1980	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Mg-FW-Oven-ICPMS-TR	94			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Fe-FW-Oven-ICPMS-Diss	94			WDE-YK1302	1/1/1980	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Ni-FW-Oven-ICPMS-TR	94			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Pb-FW-Oven-ICPMS-TR	94			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Cr-FW-Oven-ICPMS-TR	94			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Cu-FW-Oven-ICPMS-TR	94			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Fe-FW-Oven-ICPMS-TR	94			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Na-FW-Oven-ICPMS-TR	94			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Sb-FW-Oven-ICPMS-TR	94			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Sb-FW-Oven-ICPMS-Diss	94			WDE-YK1302	1/1/1980	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Tl-FW-Oven-ICPMS-TR	94			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Zn-FW-Oven-ICPMS-TR	94			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Ag-FW-Oven-ICPMS-TR	94			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Al-FW-Oven-ICPMS-TR	94			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-06RE1	B140517	As-FW-Oven-ICPMS-TR	94			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Ca-FW-Oven-ICPMS-Diss	94			WDE-YK1302	1/1/1980	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Cd-FW-Oven-ICPMS-Diss	94			WDE-YK1302	1/1/1980	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Cu-FW-Oven-ICPMS-Diss	94			WDE-YK1302	1/1/1980	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Pb-FW-Oven-ICPMS-Diss	94			WDE-YK1302	1/1/1980	Added 4/4/2014 by A_R

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412005-06RE1	B140517	K-FW-Oven-ICPMS-TR	94			WDE-YK1302	4/8/2014	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Mg-FW-Oven-ICPMS-Diss	94			WDE-YK1302	1/1/1980	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Na-FW-Oven-ICPMS-Diss	94			WDE-YK1302	1/1/1980	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Tl-FW-Oven-ICPMS-Diss	94			WDE-YK1302	1/1/1980	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Zn-FW-Oven-ICPMS-Diss	94			WDE-YK1302	1/1/1980	Added 4/4/2014 by A_R
1412005-06RE1	B140517	K-FW-Oven-ICPMS-Diss	94			WDE-YK1302	1/1/1980	Added 4/4/2014 by A_R
1412005-06RE1	B140517	Cr-FW-Oven-ICPMS-Diss	94			WDE-YK1302	1/1/1980	Added 4/4/2014 by A_R
B140517-DUP2	B140517	QC	95		1412005-06RE1			
B140517-MS2	B140517	QC	96		1412005-06RE1			
B140517-MSD2	B140517	QC	97		1412005-06RE1			
1400285-CCV9	1400285	QC	98	1411041	-			
1400285-CCB9	1400285	QC	99		-			
B140477-BLK1	B140477	QC	100		-			
B140477-BLK2	B140477	QC	101		-			
B140477-BLK3	B140477	QC	102		-			
B140477-BLK4	B140477	QC	103		-			
B140477-BS1	B140477	QC	104		-			
B140477-SRM1	B140477	QC	105		-			
B140477-SRM2	B140477	QC	106		-			
1400285-CCVA	1400285	QC	107	1411041	-			
1400285-CCBA	1400285	QC	108		-			
1411043-01	B140477	200.8-Tl-B-HNO3-ICPMS	109			ARD-MV1302	4/7/2014	
1411043-01	B140477	200.8-Sb-B-HNO3-ICPMS	109			ARD-MV1302	4/7/2014	
1411043-01	B140477	200.8-Pb-B-HNO3-ICPMS	109			ARD-MV1302	4/7/2014	
1411043-01	B140477	200.8-Cu-B-HNO3-ICPMS	109			ARD-MV1302	4/7/2014	
1411043-01	B140477	200.8-Co-B-HNO3-ICPMS	109			ARD-MV1302	4/7/2014	

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-01	B140477	200.8-Cd-B-HNO3-ICPMS	109			ARD-MV1302	4/7/2014	
1411043-01	B140477	200.8-Be-B-HNO3-ICPMS	109			ARD-MV1302	4/7/2014	
1411043-01	B140477	200.8-Ba-B-HNO3-ICPMS	109			ARD-MV1302	4/7/2014	
1411043-01	B140477	200.8-Al-B-HNO3-ICPMS	109			ARD-MV1302	4/7/2014	
1411043-01	B140477	200.8-Ag-B-HNO3-ICPMS	109			ARD-MV1302	4/7/2014	
1411043-01	B140477	200.8-Mn-B-HNO3-ICPMS	109			ARD-MV1302	4/7/2014	
1411043-01	B140477	200.8-Zn-B-HNO3-ICPMS	109			ARD-MV1302	4/7/2014	
B140477-DUP1	B140477	QC	110		1411043-01			
B140477-MS1	B140477	QC	111		1411043-01			
B140477-MSD1	B140477	QC	112		1411043-01			
1411043-02	B140477	200.8-Be-B-HNO3-ICPMS	113			ARD-MV1302	4/7/2014	
1411043-02	B140477	200.8-Mn-B-HNO3-ICPMS	113			ARD-MV1302	4/7/2014	
1411043-02	B140477	200.8-Pb-B-HNO3-ICPMS	113			ARD-MV1302	4/7/2014	
1411043-02	B140477	200.8-Ag-B-HNO3-ICPMS	113			ARD-MV1302	4/7/2014	
1411043-02	B140477	200.8-Al-B-HNO3-ICPMS	113			ARD-MV1302	4/7/2014	
1411043-02	B140477	200.8-Ba-B-HNO3-ICPMS	113			ARD-MV1302	4/7/2014	
1411043-02	B140477	200.8-Sb-B-HNO3-ICPMS	113			ARD-MV1302	4/7/2014	
1411043-02	B140477	200.8-Tl-B-HNO3-ICPMS	113			ARD-MV1302	4/7/2014	
1411043-02	B140477	200.8-Zn-B-HNO3-ICPMS	113			ARD-MV1302	4/7/2014	
1411043-02	B140477	200.8-Cd-B-HNO3-ICPMS	113			ARD-MV1302	4/7/2014	
1411043-02	B140477	200.8-Co-B-HNO3-ICPMS	113			ARD-MV1302	4/7/2014	
1411043-02	B140477	200.8-Cu-B-HNO3-ICPMS	113			ARD-MV1302	4/7/2014	
1411043-03	B140477	200.8-Sb-B-HNO3-ICPMS	114			ARD-MV1302	4/7/2014	
1411043-03	B140477	200.8-Tl-B-HNO3-ICPMS	114			ARD-MV1302	4/7/2014	
1411043-03	B140477	200.8-Pb-B-HNO3-ICPMS	114			ARD-MV1302	4/7/2014	
1411043-03	B140477	200.8-Be-B-HNO3-ICPMS	114			ARD-MV1302	4/7/2014	

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-03	B140477	200.8-Ag-B-HNO3-ICPMS	114			ARD-MV1302	4/7/2014	
1411043-03	B140477	200.8-Cd-B-HNO3-ICPMS	114			ARD-MV1302	4/7/2014	
1411043-03	B140477	200.8-Mn-B-HNO3-ICPMS	114			ARD-MV1302	4/7/2014	
1411043-03	B140477	200.8-Al-B-HNO3-ICPMS	114			ARD-MV1302	4/7/2014	
1411043-03	B140477	200.8-Zn-B-HNO3-ICPMS	114			ARD-MV1302	4/7/2014	
1411043-03	B140477	200.8-Cu-B-HNO3-ICPMS	114			ARD-MV1302	4/7/2014	
1411043-03	B140477	200.8-Co-B-HNO3-ICPMS	114			ARD-MV1302	4/7/2014	
1411043-03	B140477	200.8-Ba-B-HNO3-ICPMS	114			ARD-MV1302	4/7/2014	
1411043-04	B140477	200.8-Co-B-HNO3-ICPMS	115			ARD-MV1302	4/7/2014	
1411043-04	B140477	200.8-Cd-B-HNO3-ICPMS	115			ARD-MV1302	4/7/2014	
1411043-04	B140477	200.8-Mn-B-HNO3-ICPMS	115			ARD-MV1302	4/7/2014	
1411043-04	B140477	200.8-Ba-B-HNO3-ICPMS	115			ARD-MV1302	4/7/2014	
1411043-04	B140477	200.8-Al-B-HNO3-ICPMS	115			ARD-MV1302	4/7/2014	
1411043-04	B140477	200.8-Ag-B-HNO3-ICPMS	115			ARD-MV1302	4/7/2014	
1411043-04	B140477	200.8-Zn-B-HNO3-ICPMS	115			ARD-MV1302	4/7/2014	
1411043-04	B140477	200.8-Be-B-HNO3-ICPMS	115			ARD-MV1302	4/7/2014	
1411043-04	B140477	200.8-Cu-B-HNO3-ICPMS	115			ARD-MV1302	4/7/2014	
1411043-04	B140477	200.8-Pb-B-HNO3-ICPMS	115			ARD-MV1302	4/7/2014	
1411043-04	B140477	200.8-Sb-B-HNO3-ICPMS	115			ARD-MV1302	4/7/2014	
1411043-04	B140477	200.8-Tl-B-HNO3-ICPMS	115			ARD-MV1302	4/7/2014	
1411043-05	B140477	200.8-Al-B-HNO3-ICPMS	116			ARD-MV1302	4/7/2014	
1411043-05	B140477	200.8-Co-B-HNO3-ICPMS	116			ARD-MV1302	4/7/2014	
1411043-05	B140477	200.8-Cd-B-HNO3-ICPMS	116			ARD-MV1302	4/7/2014	
1411043-05	B140477	200.8-Mn-B-HNO3-ICPMS	116			ARD-MV1302	4/7/2014	
1411043-05	B140477	200.8-Ba-B-HNO3-ICPMS	116			ARD-MV1302	4/7/2014	
1411043-05	B140477	200.8-Ag-B-HNO3-ICPMS	116			ARD-MV1302	4/7/2014	

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-05	B140477	200.8-Cu-B-HNO3-ICPMS	116			ARD-MV1302	4/7/2014	
1411043-05	B140477	200.8-Zn-B-HNO3-ICPMS	116			ARD-MV1302	4/7/2014	
1411043-05	B140477	200.8-Tl-B-HNO3-ICPMS	116			ARD-MV1302	4/7/2014	
1411043-05	B140477	200.8-Sb-B-HNO3-ICPMS	116			ARD-MV1302	4/7/2014	
1411043-05	B140477	200.8-Pb-B-HNO3-ICPMS	116			ARD-MV1302	4/7/2014	
1411043-05	B140477	200.8-Be-B-HNO3-ICPMS	116			ARD-MV1302	4/7/2014	
1411043-06	B140477	200.8-Ba-B-HNO3-ICPMS	117			ARD-MV1302	4/7/2014	
1411043-06	B140477	200.8-Ag-B-HNO3-ICPMS	117			ARD-MV1302	4/7/2014	
1411043-06	B140477	200.8-Al-B-HNO3-ICPMS	117			ARD-MV1302	4/7/2014	
1411043-06	B140477	200.8-Be-B-HNO3-ICPMS	117			ARD-MV1302	4/7/2014	
1411043-06	B140477	200.8-Pb-B-HNO3-ICPMS	117			ARD-MV1302	4/7/2014	
1411043-06	B140477	200.8-Zn-B-HNO3-ICPMS	117			ARD-MV1302	4/7/2014	
1411043-06	B140477	200.8-Tl-B-HNO3-ICPMS	117			ARD-MV1302	4/7/2014	
1411043-06	B140477	200.8-Mn-B-HNO3-ICPMS	117			ARD-MV1302	4/7/2014	
1411043-06	B140477	200.8-Cu-B-HNO3-ICPMS	117			ARD-MV1302	4/7/2014	
1411043-06	B140477	200.8-Co-B-HNO3-ICPMS	117			ARD-MV1302	4/7/2014	
1411043-06	B140477	200.8-Cd-B-HNO3-ICPMS	117			ARD-MV1302	4/7/2014	
1411043-06	B140477	200.8-Sb-B-HNO3-ICPMS	117			ARD-MV1302	4/7/2014	
1400285-CCVB	1400285	QC	118	1411041	-			
1400285-CCBB	1400285	QC	119		-			
1411043-07	B140477	200.8-Be-B-HNO3-ICPMS	120			ARD-MV1302	4/7/2014	
1411043-07	B140477	200.8-Zn-B-HNO3-ICPMS	120			ARD-MV1302	4/7/2014	
1411043-07	B140477	200.8-Cd-B-HNO3-ICPMS	120			ARD-MV1302	4/7/2014	
1411043-07	B140477	200.8-Co-B-HNO3-ICPMS	120			ARD-MV1302	4/7/2014	
1411043-07	B140477	200.8-Cu-B-HNO3-ICPMS	120			ARD-MV1302	4/7/2014	
1411043-07	B140477	200.8-Mn-B-HNO3-ICPMS	120			ARD-MV1302	4/7/2014	

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-07	B140477	200.8-Ag-B-HNO3-ICPMS	120			ARD-MV1302	4/7/2014	
1411043-07	B140477	200.8-Al-B-HNO3-ICPMS	120			ARD-MV1302	4/7/2014	
1411043-07	B140477	200.8-Ba-B-HNO3-ICPMS	120			ARD-MV1302	4/7/2014	
1411043-07	B140477	200.8-Pb-B-HNO3-ICPMS	120			ARD-MV1302	4/7/2014	
1411043-07	B140477	200.8-Sb-B-HNO3-ICPMS	120			ARD-MV1302	4/7/2014	
1411043-07	B140477	200.8-Tl-B-HNO3-ICPMS	120			ARD-MV1302	4/7/2014	
1411043-08	B140477	200.8-Zn-B-HNO3-ICPMS	121			ARD-MV1302	4/7/2014	
1411043-08	B140477	200.8-Al-B-HNO3-ICPMS	121			ARD-MV1302	4/7/2014	
1411043-08	B140477	200.8-Ba-B-HNO3-ICPMS	121			ARD-MV1302	4/7/2014	
1411043-08	B140477	200.8-Be-B-HNO3-ICPMS	121			ARD-MV1302	4/7/2014	
1411043-08	B140477	200.8-Mn-B-HNO3-ICPMS	121			ARD-MV1302	4/7/2014	
1411043-08	B140477	200.8-Cu-B-HNO3-ICPMS	121			ARD-MV1302	4/7/2014	
1411043-08	B140477	200.8-Co-B-HNO3-ICPMS	121			ARD-MV1302	4/7/2014	
1411043-08	B140477	200.8-Cd-B-HNO3-ICPMS	121			ARD-MV1302	4/7/2014	
1411043-08	B140477	200.8-Pb-B-HNO3-ICPMS	121			ARD-MV1302	4/7/2014	
1411043-08	B140477	200.8-Sb-B-HNO3-ICPMS	121			ARD-MV1302	4/7/2014	
1411043-08	B140477	200.8-Tl-B-HNO3-ICPMS	121			ARD-MV1302	4/7/2014	
1411043-08	B140477	200.8-Ag-B-HNO3-ICPMS	121			ARD-MV1302	4/7/2014	
1411043-09	B140477	200.8-Ag-B-HNO3-ICPMS	122			ARD-MV1302	4/7/2014	
1411043-09	B140477	200.8-Cd-B-HNO3-ICPMS	122			ARD-MV1302	4/7/2014	
1411043-09	B140477	200.8-Be-B-HNO3-ICPMS	122			ARD-MV1302	4/7/2014	
1411043-09	B140477	200.8-Pb-B-HNO3-ICPMS	122			ARD-MV1302	4/7/2014	
1411043-09	B140477	200.8-Al-B-HNO3-ICPMS	122			ARD-MV1302	4/7/2014	
1411043-09	B140477	200.8-Mn-B-HNO3-ICPMS	122			ARD-MV1302	4/7/2014	
1411043-09	B140477	200.8-Co-B-HNO3-ICPMS	122			ARD-MV1302	4/7/2014	
1411043-09	B140477	200.8-Sb-B-HNO3-ICPMS	122			ARD-MV1302	4/7/2014	

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-09	B140477	200.8-Tl-B-HNO3-ICPMS	122			ARD-MV1302	4/7/2014	
1411043-09	B140477	200.8-Zn-B-HNO3-ICPMS	122			ARD-MV1302	4/7/2014	
1411043-09	B140477	200.8-Ba-B-HNO3-ICPMS	122			ARD-MV1302	4/7/2014	
1411043-09	B140477	200.8-Cu-B-HNO3-ICPMS	122			ARD-MV1302	4/7/2014	
1411043-10	B140477	200.8-Sb-B-HNO3-ICPMS	123			ARD-MV1302	4/7/2014	
1411043-10	B140477	200.8-Ba-B-HNO3-ICPMS	123			ARD-MV1302	4/7/2014	
1411043-10	B140477	200.8-Al-B-HNO3-ICPMS	123			ARD-MV1302	4/7/2014	
1411043-10	B140477	200.8-Ag-B-HNO3-ICPMS	123			ARD-MV1302	4/7/2014	
1411043-10	B140477	200.8-Cu-B-HNO3-ICPMS	123			ARD-MV1302	4/7/2014	
1411043-10	B140477	200.8-Co-B-HNO3-ICPMS	123			ARD-MV1302	4/7/2014	
1411043-10	B140477	200.8-Pb-B-HNO3-ICPMS	123			ARD-MV1302	4/7/2014	
1411043-10	B140477	200.8-Cd-B-HNO3-ICPMS	123			ARD-MV1302	4/7/2014	
1411043-10	B140477	200.8-Be-B-HNO3-ICPMS	123			ARD-MV1302	4/7/2014	
1411043-10	B140477	200.8-Tl-B-HNO3-ICPMS	123			ARD-MV1302	4/7/2014	
1411043-10	B140477	200.8-Zn-B-HNO3-ICPMS	123			ARD-MV1302	4/7/2014	
1411043-10	B140477	200.8-Mn-B-HNO3-ICPMS	123			ARD-MV1302	4/7/2014	
1411043-11	B140477	200.8-Co-B-HNO3-ICPMS	124			ARD-MV1302	4/7/2014	
1411043-11	B140477	200.8-Cd-B-HNO3-ICPMS	124			ARD-MV1302	4/7/2014	
1411043-11	B140477	200.8-Mn-B-HNO3-ICPMS	124			ARD-MV1302	4/7/2014	
1411043-11	B140477	200.8-Cu-B-HNO3-ICPMS	124			ARD-MV1302	4/7/2014	
1411043-11	B140477	200.8-Tl-B-HNO3-ICPMS	124			ARD-MV1302	4/7/2014	
1411043-11	B140477	200.8-Sb-B-HNO3-ICPMS	124			ARD-MV1302	4/7/2014	
1411043-11	B140477	200.8-Pb-B-HNO3-ICPMS	124			ARD-MV1302	4/7/2014	
1411043-11	B140477	200.8-Be-B-HNO3-ICPMS	124			ARD-MV1302	4/7/2014	
1411043-11	B140477	200.8-Ba-B-HNO3-ICPMS	124			ARD-MV1302	4/7/2014	
1411043-11	B140477	200.8-Al-B-HNO3-ICPMS	124			ARD-MV1302	4/7/2014	

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-11	B140477	200.8-Ag-B-HNO3-ICPMS	124			ARD-MV1302	4/7/2014	
1411043-11	B140477	200.8-Zn-B-HNO3-ICPMS	124			ARD-MV1302	4/7/2014	
B140477-DUP2	B140477	QC	125		1411043-11			
B140477-MS2	B140477	QC	126		1411043-11			
B140477-MSD2	B140477	QC	127		1411043-11			
1400285-CCVC	1400285	QC	128	1411041	-			
1400285-CCBC	1400285	QC	129		-			
1411043-12	B140477	200.8-Cu-B-HNO3-ICPMS	130			ARD-MV1302	4/7/2014	
1411043-12	B140477	200.8-Cd-B-HNO3-ICPMS	130			ARD-MV1302	4/7/2014	
1411043-12	B140477	200.8-Co-B-HNO3-ICPMS	130			ARD-MV1302	4/7/2014	
1411043-12	B140477	200.8-Tl-B-HNO3-ICPMS	130			ARD-MV1302	4/7/2014	
1411043-12	B140477	200.8-Mn-B-HNO3-ICPMS	130			ARD-MV1302	4/7/2014	
1411043-12	B140477	200.8-Sb-B-HNO3-ICPMS	130			ARD-MV1302	4/7/2014	
1411043-12	B140477	200.8-Pb-B-HNO3-ICPMS	130			ARD-MV1302	4/7/2014	
1411043-12	B140477	200.8-Be-B-HNO3-ICPMS	130			ARD-MV1302	4/7/2014	
1411043-12	B140477	200.8-Ba-B-HNO3-ICPMS	130			ARD-MV1302	4/7/2014	
1411043-12	B140477	200.8-Al-B-HNO3-ICPMS	130			ARD-MV1302	4/7/2014	
1411043-12	B140477	200.8-Ag-B-HNO3-ICPMS	130			ARD-MV1302	4/7/2014	
1411043-12	B140477	200.8-Zn-B-HNO3-ICPMS	130			ARD-MV1302	4/7/2014	
1411043-13	B140477	200.8-Ag-B-HNO3-ICPMS	131			ARD-MV1302	4/7/2014	
1411043-13	B140477	200.8-Pb-B-HNO3-ICPMS	131			ARD-MV1302	4/7/2014	
1411043-13	B140477	200.8-Sb-B-HNO3-ICPMS	131			ARD-MV1302	4/7/2014	
1411043-13	B140477	200.8-Tl-B-HNO3-ICPMS	131			ARD-MV1302	4/7/2014	
1411043-13	B140477	200.8-Zn-B-HNO3-ICPMS	131			ARD-MV1302	4/7/2014	
1411043-13	B140477	200.8-Mn-B-HNO3-ICPMS	131			ARD-MV1302	4/7/2014	
1411043-13	B140477	200.8-Al-B-HNO3-ICPMS	131			ARD-MV1302	4/7/2014	

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-13	B140477	200.8-Ba-B-HNO3-ICPMS	131			ARD-MV1302	4/7/2014	
1411043-13	B140477	200.8-Be-B-HNO3-ICPMS	131			ARD-MV1302	4/7/2014	
1411043-13	B140477	200.8-Cd-B-HNO3-ICPMS	131			ARD-MV1302	4/7/2014	
1411043-13	B140477	200.8-Co-B-HNO3-ICPMS	131			ARD-MV1302	4/7/2014	
1411043-13	B140477	200.8-Cu-B-HNO3-ICPMS	131			ARD-MV1302	4/7/2014	
1411043-14	B140477	200.8-Zn-B-HNO3-ICPMS	132			ARD-MV1302	4/7/2014	
1411043-14	B140477	200.8-Be-B-HNO3-ICPMS	132			ARD-MV1302	4/7/2014	
1411043-14	B140477	200.8-Ba-B-HNO3-ICPMS	132			ARD-MV1302	4/7/2014	
1411043-14	B140477	200.8-Al-B-HNO3-ICPMS	132			ARD-MV1302	4/7/2014	
1411043-14	B140477	200.8-Pb-B-HNO3-ICPMS	132			ARD-MV1302	4/7/2014	
1411043-14	B140477	200.8-Cu-B-HNO3-ICPMS	132			ARD-MV1302	4/7/2014	
1411043-14	B140477	200.8-Mn-B-HNO3-ICPMS	132			ARD-MV1302	4/7/2014	
1411043-14	B140477	200.8-Co-B-HNO3-ICPMS	132			ARD-MV1302	4/7/2014	
1411043-14	B140477	200.8-Sb-B-HNO3-ICPMS	132			ARD-MV1302	4/7/2014	
1411043-14	B140477	200.8-Ag-B-HNO3-ICPMS	132			ARD-MV1302	4/7/2014	
1411043-14	B140477	200.8-Tl-B-HNO3-ICPMS	132			ARD-MV1302	4/7/2014	
1411043-14	B140477	200.8-Cd-B-HNO3-ICPMS	132			ARD-MV1302	4/7/2014	
1411043-15	B140477	200.8-Zn-B-HNO3-ICPMS	133			ARD-MV1302	4/7/2014	
1411043-15	B140477	200.8-Cu-B-HNO3-ICPMS	133			ARD-MV1302	4/7/2014	
1411043-15	B140477	200.8-Sb-B-HNO3-ICPMS	133			ARD-MV1302	4/7/2014	
1411043-15	B140477	200.8-Mn-B-HNO3-ICPMS	133			ARD-MV1302	4/7/2014	
1411043-15	B140477	200.8-Tl-B-HNO3-ICPMS	133			ARD-MV1302	4/7/2014	
1411043-15	B140477	200.8-Cd-B-HNO3-ICPMS	133			ARD-MV1302	4/7/2014	
1411043-15	B140477	200.8-Co-B-HNO3-ICPMS	133			ARD-MV1302	4/7/2014	
1411043-15	B140477	200.8-Ag-B-HNO3-ICPMS	133			ARD-MV1302	4/7/2014	
1411043-15	B140477	200.8-Be-B-HNO3-ICPMS	133			ARD-MV1302	4/7/2014	

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-15	B140477	200.8-Ba-B-HNO3-ICPMS	133			ARD-MV1302	4/7/2014	
1411043-15	B140477	200.8-Pb-B-HNO3-ICPMS	133			ARD-MV1302	4/7/2014	
1411043-15	B140477	200.8-Al-B-HNO3-ICPMS	133			ARD-MV1302	4/7/2014	
1411043-16	B140477	200.8-Mn-B-HNO3-ICPMS	134			ARD-MV1302	4/7/2014	
1411043-16	B140477	200.8-Cu-B-HNO3-ICPMS	134			ARD-MV1302	4/7/2014	
1411043-16	B140477	200.8-Co-B-HNO3-ICPMS	134			ARD-MV1302	4/7/2014	
1411043-16	B140477	200.8-Cd-B-HNO3-ICPMS	134			ARD-MV1302	4/7/2014	
1411043-16	B140477	200.8-Al-B-HNO3-ICPMS	134			ARD-MV1302	4/7/2014	
1411043-16	B140477	200.8-Ba-B-HNO3-ICPMS	134			ARD-MV1302	4/7/2014	
1411043-16	B140477	200.8-Be-B-HNO3-ICPMS	134			ARD-MV1302	4/7/2014	
1411043-16	B140477	200.8-Zn-B-HNO3-ICPMS	134			ARD-MV1302	4/7/2014	
1411043-16	B140477	200.8-Pb-B-HNO3-ICPMS	134			ARD-MV1302	4/7/2014	
1411043-16	B140477	200.8-Tl-B-HNO3-ICPMS	134			ARD-MV1302	4/7/2014	
1411043-16	B140477	200.8-Sb-B-HNO3-ICPMS	134			ARD-MV1302	4/7/2014	
1411043-16	B140477	200.8-Ag-B-HNO3-ICPMS	134			ARD-MV1302	4/7/2014	
1411043-17	B140477	200.8-Cu-B-HNO3-ICPMS	135			ARD-MV1302	4/7/2014	
1411043-17	B140477	200.8-Ba-B-HNO3-ICPMS	135			ARD-MV1302	4/7/2014	
1411043-17	B140477	200.8-Al-B-HNO3-ICPMS	135			ARD-MV1302	4/7/2014	
1411043-17	B140477	200.8-Ag-B-HNO3-ICPMS	135			ARD-MV1302	4/7/2014	
1411043-17	B140477	200.8-Be-B-HNO3-ICPMS	135			ARD-MV1302	4/7/2014	
1411043-17	B140477	200.8-Mn-B-HNO3-ICPMS	135			ARD-MV1302	4/7/2014	
1411043-17	B140477	200.8-Co-B-HNO3-ICPMS	135			ARD-MV1302	4/7/2014	
1411043-17	B140477	200.8-Pb-B-HNO3-ICPMS	135			ARD-MV1302	4/7/2014	
1411043-17	B140477	200.8-Sb-B-HNO3-ICPMS	135			ARD-MV1302	4/7/2014	
1411043-17	B140477	200.8-Tl-B-HNO3-ICPMS	135			ARD-MV1302	4/7/2014	
1411043-17	B140477	200.8-Zn-B-HNO3-ICPMS	135			ARD-MV1302	4/7/2014	

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-17	B140477	200.8-Cd-B-HNO3-ICPMS	135			ARD-MV1302	4/7/2014	
1411043-18	B140477	200.8-Cd-B-HNO3-ICPMS	136			ARD-MV1302	4/7/2014	
1411043-18	B140477	200.8-Ag-B-HNO3-ICPMS	136			ARD-MV1302	4/7/2014	
1411043-18	B140477	200.8-Co-B-HNO3-ICPMS	136			ARD-MV1302	4/7/2014	
1411043-18	B140477	200.8-Tl-B-HNO3-ICPMS	136			ARD-MV1302	4/7/2014	
1411043-18	B140477	200.8-Sb-B-HNO3-ICPMS	136			ARD-MV1302	4/7/2014	
1411043-18	B140477	200.8-Pb-B-HNO3-ICPMS	136			ARD-MV1302	4/7/2014	
1411043-18	B140477	200.8-Ba-B-HNO3-ICPMS	136			ARD-MV1302	4/7/2014	
1411043-18	B140477	200.8-Al-B-HNO3-ICPMS	136			ARD-MV1302	4/7/2014	
1411043-18	B140477	200.8-Mn-B-HNO3-ICPMS	136			ARD-MV1302	4/7/2014	
1411043-18	B140477	200.8-Cu-B-HNO3-ICPMS	136			ARD-MV1302	4/7/2014	
1411043-18	B140477	200.8-Be-B-HNO3-ICPMS	136			ARD-MV1302	4/7/2014	
1411043-18	B140477	200.8-Zn-B-HNO3-ICPMS	136			ARD-MV1302	4/7/2014	
1411043-19	B140477	200.8-Pb-B-HNO3-ICPMS	137			ARD-MV1302	4/7/2014	
1411043-19	B140477	200.8-Be-B-HNO3-ICPMS	137			ARD-MV1302	4/7/2014	
1411043-19	B140477	200.8-Al-B-HNO3-ICPMS	137			ARD-MV1302	4/7/2014	
1411043-19	B140477	200.8-Ag-B-HNO3-ICPMS	137			ARD-MV1302	4/7/2014	
1411043-19	B140477	200.8-Sb-B-HNO3-ICPMS	137			ARD-MV1302	4/7/2014	
1411043-19	B140477	200.8-Cu-B-HNO3-ICPMS	137			ARD-MV1302	4/7/2014	
1411043-19	B140477	200.8-Co-B-HNO3-ICPMS	137			ARD-MV1302	4/7/2014	
1411043-19	B140477	200.8-Cd-B-HNO3-ICPMS	137			ARD-MV1302	4/7/2014	
1411043-19	B140477	200.8-Ba-B-HNO3-ICPMS	137			ARD-MV1302	4/7/2014	
1411043-19	B140477	200.8-Zn-B-HNO3-ICPMS	137			ARD-MV1302	4/7/2014	
1411043-19	B140477	200.8-Tl-B-HNO3-ICPMS	137			ARD-MV1302	4/7/2014	
1411043-19	B140477	200.8-Mn-B-HNO3-ICPMS	137			ARD-MV1302	4/7/2014	
1400285-CCVD	1400285	QC	138	1411041	-			

ANALYSIS SEQUENCE

1400285

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400285-CCBD	1400285	QC	139		-			
1400285-CCVE	1400285	QC	140	1411041	-			
1400285-CCBE	1400285	QC	141		-			
1400285-CCVF	1400285	QC	142	1411041	-			
1400285-CCBF	1400285	QC	143		-			
1400285-CCVG	1400285	QC	144	1411041	-			
1400285-CCBG	1400285	QC	145		-			

ICP-MS Analysis Benchsheet Batch No: B140563, 0517, 0477, 0575 (IDOC)

BR-0060 standard mode

(BRL procedure for the analysis of samples by EPA Methods 1638, 200.8, 6020A, and 1640)

Analyst: AR Date: 4/3/2014

Instrument ID: ICP-MS-3 cHNO3 ID: 1410082 cHCl ID: NA

Calibration recorded in LIMS Int Std: 1412031 SEQ: 1400285

A/S #	Batch	Sample ID	Dilution		Comments
1		warm up			
1		warm up			
1		warm up			
1		SEQ-ICB1			
2020		SEQ-CAL1			1411038
2010		SEQ-CAL2			1411039
2002		SEQ-CAL3			1411040
2001		SEQ-CAL4			1411041
3020		SEQ-CAL5			1411042
3010		SEQ-CAL6			1411043
3002		SEQ-CAL7			1411044
3001		SEQ-CAL8			1411045
1		SEQ-ICB2			
4		SEQ-ICV1			1341021
1		SEQ-ICB3			
101		SEQ-IBL1			
102		SEQ-IBL2			
103		SEQ-IBL3			
104		SEQ-IBL4			
105		SEQ-SCV1	5x	M	NIST 1640a 1414027; 1414026
404		SEQ-SCV2	5x	M	NIST 1640a 1414027; 1414026
404		SEQ-SCV3	5x	M	NIST 1640a 1414027; 1414026
106		SEQ-SCV4	5x	M	Hardness 1333002; 1333005
107		SEQ-SCV5			Fe-Ca check 1352078; 1352079
108		SEQ-IFA1	200x	M	1343002
109		SEQ-IFB1	200x	M	1343001
401		B140477-SRM1test	10x	A	autodilution test
10		rinse			
402		B140508-LODspike	1000x	M	Serial Dilution: 10x --> 100x
403		B140508-MDLspike	1000x	M	Serial Dilution: 10x --> 100x
10		rinse			
2		SEQ-CCV1			1411041
1		SEQ-CCB1			
110	B140563	B140563-BLK1			
111	B140563	B140563-BLK2			
112	B140563	B140563-BLK3			
113	B140563	B140563-BLK4			
114	B140563	B140563-BS1			
115	B140563	1411012-03RE1			Field Blank

116	B140563	1411028-13RE1			Field Blank
117	B140563	1411028-28RE1			FLPE Blank
2		SEQ-CCV2			1411041
1		SEQ-CCB2			
118	B140563	1411012-01RE1			
119	B140563	B140563-DUP1			1411012-01RE1
120	B140563	B140563-MS1			50µL 1411037 to 5mL
121	B140563	B140563-MSD1			50µL 1411037 to 5mL
122	B140563	1411012-02RE1			
2		SEQ-CCV3			1411041
1		SEQ-CCB3			
123	B140563	1411028-03RE3	50x	M	
124	B140563	1411028-06RE2	5000x	M	Serial Dilution: 50x --> 100x
125	B140563	1411028-07RE2	5000x	M	Serial Dilution: 50x --> 100x
126	B140563	B140563-DUP2	5000x	M	1411028-07RE2
127	B140563	B140563-MS2	5000x	M	100µL 1414063 to 5mL
128	B140563	B140563-MSD2	5000x	M	100µL 1414063 to 5mL
2		SEQ-CCV4			1411041
1		SEQ-CCB4			
129	B140563	1411028-12RE2	5000x	M	Serial Dilution: 50x --> 100x
130	B140563	1411028-14RE2	5000x	M	Serial Dilution: 50x --> 100x
131	B140563	1411028-18RE2	5000x	M	Serial Dilution: 50x --> 100x
132	B140563	1411028-19RE2	5000x	M	Serial Dilution: 50x --> 100x
133	B140563	1411028-23RE2	5000x	M	Serial Dilution: 50x --> 100x
2		SEQ-CCV5			1411041
1		SEQ-CCB5			
134	B140563	1411028-03RE2	5000x	M	Serial Dilution: 50x --> 100x
135	B140563	1411028-06RE3	50x	M	
136	B140563	1411028-07RE3	50x	M	
137	B140563	B140563-DUP3	50x	M	1411028-07RE3
138	B140563	B140563-MS3	50x	M	100µL 1414063 to 5mL
139	B140563	B140563-MSD3	50x	M	100µL 1414063 to 5mL
2		SEQ-CCV6			1411041
1		SEQ-CCB6			
140	B140563	1411028-12RE3	50x	M	
141	B140563	1411028-14RE3	50x	M	
142	B140563	1411028-18RE3	50x	M	
143	B140563	1411028-19RE3	50x	M	
144	B140563	1411028-23RE3	50x	M	
2		SEQ-CCV7			1411041
1		SEQ-CCB7			
145	B140517	B140517-BLK1			
146	B140517	B140517-BLK2			
147	B140517	B140517-BLK3			
148	B140517	B140517-BLK4			
149	B140517	1412005-04	10x	M	
150	B140517	1412005-06	10x	M	Field Blank
151	B140517	B140517-BS1			Field Blank
152	B140517	1411036-03			Equip. Blank
2		SEQ-CCV8			1411041
1		SEQ-CCB8			
153	B140517	1411048-03			

154	B140517	1412005-02			
155	B140517	B140517-DUP1	10x	M	1412005-06
156	B140517	B140517-MS1	10x	M	500µL 1411037 to 5mL
157	B140517	B140517-MSD1	10x	M	500µL 1411037 to 5mL
158	B140517	1412005-04RE1			
159	B140517	1412005-06RE1			
160	B140517	B140517-DUP2			1412005-06
201	B140517	B140517-MS2			50µL 1411037 to 5mL
202	B140517	B140517-MSD2			50µL 1411037 to 5mL
2		SEQ-CCV9			1411041
1		SEQ-CCB9			
203	B140477	B140477-BLK1	10x	A	
204	B140477	B140477-BLK2	10x	A	
205	B140477	B140477-BLK3	10x	A	
206	B140477	B140477-BLK4	10x	A	
207	B140477	B140477-BS1	10x	A	
208	B140477	B140477-SRM1	10x	A	
209	B140477	B140477-SRM2	10x	A	
5		SEQ-CCVA			1411041
10		SEQ-CCBA			
210	B140477	1411043-01	10x	A	
211	B140477	B140477-DUP1	10x	A	
212	B140477	B140477-MS1	10x	A	
213	B140477	B140477-MSD1	10x	A	
214	B140477	1411043-02	10x	A	
215	B140477	1411043-03	10x	A	
216	B140477	1411043-04	10x	A	
217	B140477	1411043-05	10x	A	
218	B140477	1411043-06	10x	A	
5		SEQ-CCVB			1411041
10		SEQ-CCBB			
219	B140477	1411043-07	10x	A	
220	B140477	1411043-08	10x	A	
221	B140477	1411043-09	10x	A	
222	B140477	1411043-10	10x	A	
223	B140477	1411043-11	10x	A	
224	B140477	B140477-DUP2	10x	A	
225	B140477	B140477-MS2	10x	A	
226	B140477	B140477-MSD2	10x	A	
5		SEQ-CCVC			1411041
10		SEQ-CCBC			
227	B140477	1411043-12	10x	A	
228	B140477	1411043-13	10x	A	
229	B140477	1411043-14	10x	A	
230	B140477	1411043-15	10x	A	
231	B140477	1411043-16	10x	A	
232	B140477	1411043-17	10x	A	
233	B140477	1411043-18	10x	A	
234	B140477	1411043-19	10x	A	
5		SEQ-CCVD			1411041
10		SEQ-CCBD			
235	B140575	B140575-BLK1	10x	A	IDOC NMM

236	B140575	B140575-BLK2	10x	A	
237	B140575	B140575-BLK3	10x	A	
238	B140575	B140575-BLK4	10x	A	
239	B140575	B140575-SRM1	10x	A	
240	B140575	B140575-SRM2	10x	A	
5		SEQ-CCVE			1411041
10		SEQ-CCBE			
241	B140575	B140575-BS1	10x	A	MDL
242	B140575	B140575-BS2	10x	A	MDL
243	B140575	B140575-BS3	10x	A	MDL
244	B140575	B140575-BS4	10x	A	MDL
245	B140575	B140575-BS5	10x	A	MDL
246	B140575	B140575-BS6	10x	A	MDL
247	B140575	B140575-BS7	10x	A	MDL
248	B140575	B140575-BS8	10x	A	MDL
5		SEQ-CCVF			1411041
10		SEQ-CCBF			
249	B140575	B140575-BSD	10x	A	LOD
250	B140575	B140575-BSE	10x	A	LOD
251	B140575	B140575-BS9	10x	A	LOQ
252	B140575	B140575-BSA	10x	A	LOQ
253	B140575	B140575-BSB	10x	A	LOQ
254	B140575	B140575-BSC	10x	A	LOQ
5		SEQ-CCVG			1411041
10		SEQ-CCBG			
10		rinse			
10		rinse			
10		rinse			
10		rinse			
10		rinse			

Trace Metals Method BR-0070 Rev 003 (ICP-MS)
Biota Preparation by HotBlock Digestion
Digestion by: HNO_3 / H_2O_2

Page 1 of 2

Batch #: B140477, 0478, 0479 Prepared By: CLE Preparation Date and Time*: 3/24/14 1630

Matrix: biota Balance ID: BL-03 Date and Time of Finished Preparation: 1040 3/25/14

* Time is when the first reagents are added.

Sample ID	Sample Mass (g)	Notes
BLK1	---	
BLK2	---	
BLK3	---	
BLK4	---	
BS1	---	
SRM1	0.252	
SRM2	0.252	
1411043-01	0.501	
DUP1	0.496	Source: 1411043-01
MS1	0.505	↓
MSD1	0.504	↓
1411043-02	0.517	
-03	0.554	
-04	0.571	
-05	0.514	
-06	0.529	
-07	0.556	
-08	0.531	
-09	0.542	
-10	0.521	
-11	0.530	
DUP2	0.515	Source: 1411043-11
MS2	0.497	↓
MSD2	0.522	↓

Sample ID	Sample Mass (g)	Notes
1411043-12	0.511	
-13	0.511	
-14	0.515	
-15	0.526	
-16	0.564	
-17	0.592	
-18	0.518	
-19	0.510	
1411044-01	0.501	
B140479 DUP3	0.510	Source 1411044-02
MS3	0.530	↓
MSD3	0.529	↓
1411044-02	0.542	
-03	0.540	
-04	0.539	
-05	0.545	
-06	0.505	
-07	0.592	
-08	0.524	
-09	0.548	
-10	0.510	
-11	0.521	
B140479 DUP4	0.532	Source: 1411044-12
MS4	0.494	↓

Note: QC sets follow source sample on benchsheet unless otherwise noted.
If no batch is specified, QC is shared between all batches being prepped.

Sample ID	Spike ID	Spike Added (mL)	Analyte/Concentration	Spike Witness Initials/Date
BS1, MS/D 1-4	1413003	0.1	B140477-9 spike mix	
BS1, MS/D 1-2	B47040	0.05	Ag 10 ppm	
	1410043	0.1	Sb 1 ppm	3/24/14
	1310029	0.025	Al 10,000 ppm	
	1345003	0.050	Fe 10,000 ppm	

Late spike ID: 1413004

Target Hotblock Temperature = 100 °C

Reagents Added (ID/Amount Added)
0.1mL H2O2 (1350057)
10mL HNO3 (1406035)

HotBlock Temperature*, Time On / Time Off, Date
N/C: 100°C 1705 / M: 103°C C: 101.5°C 1705 3/24/14
timer set for 3.5 hrs

Hotblock Therm. ID: HB-02/HB-01 Therm. Hotblock ID: TM-05/TM-01

* Both measured and corrected temperatures must be recorded.

Environ. Express tube lot #: 1309271

Final Dilution Volume 40 mL

SRM-Matrix-LIMS ID #
SRM1-DOFM-4-1329003
SRM2-TDF-F3-1327017

Comments:
*: changes by CLE 3/24/14 ●: digested on HB-01 (all other samples digested on HB-02) Δ: Final vol = 45 mL

Trace Metals Method BR-0070 Rev 003 (ICP-MS)
Biota Preparation by HotBlock Digestion

Digestion by: HNO_3 / H_2O_2

Batch #: B140477, 0478, 0479

Page _2_ of _2_

Sample ID	Sample Mass (g)	Notes
B140479 MSD4	0.522	Source: 1411044-12
1411044-12	0.545	
-13	0.537	
-14	0.523	
-15	0.537	
-16	0.530	
-17	0.506	
-18	0.589	

LCE 3/24/14

Sample ID	Sample Mass (g)	Notes

LCE 3/24/14

B140477, 0478, 0479
biota

Samples spiked: BS1, MS /D1-4

Spike mix ID: 1413003

Element	Target Conc. (mg/kg)	spike conc w/ **0.1mL spike vol** and **0.5g*** **sample**	mL from stock into **10mL tube**	ppm	LIMS ID
As DRC	10.000	50.000	0.500	1000	1310030
Ba	1.600	8.000	0.800	**100**	1411082
Be	0.900	4.500	0.450	**100**	1411084
Cd	0.200	1.000	0.100	**100**	1411087
Co	1.600	8.000	0.800	**100**	1351036
Cr DRC	3.000	15.000	0.150	1000	1351015
Cu	10.000	50.000	0.500	1000	1351017
Mn	13.000	65.000	0.650	1000	1351019
Pb	1.500	7.500	0.075	1000	1351022
Se DRC	1.500	7.500	0.075	1000	1310070
Tl	1.000	5.000	0.050	1000	1310041
V DRC	4.000	20.000	0.200	**1000**	1310043
Zn	10.000	50.000	0.050	**10000**	1337001

Samples spiked: BS1, MS /D1-2 Add 5.6mL 2% HNO3

Fake spike ID: 1413004

Element	Target Conc. (mg/kg)	vol to spike **directly** to **0.5g*** **sample**	ppm	LIMS ID
Ag	1.000	0.050	**10**	1347040
Sb	0.200	0.100	**1**	1410043
Al	500.000	0.025	**10000**	1310029
Fe DRC	1000.000	0.050	**10000**	1345003

*listed spike volume(s) used regardless of sample mass.

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\NexIONData\Wizard\SmartTune\BRprepFAST2-SmartTune Monthly.swz

Start Time: 3/17/2014 11:38:43 AM
End Time: 3/17/2014 11:41:55 AM

Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (9.0122/9.075), Target/Obtained resolution (0.7/0.704)
Target/Obtained mass (23.985/23.925), Target/Obtained resolution (0.7/0.700)
Target/Obtained mass (75.93/75.925), Target/Obtained resolution (0.7/0.694)
Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.704)
Target/Obtained mass (139.905/139.975), Target/Obtained resolution (0.7/0.703)
Target/Obtained mass (207.977/207.925), Target/Obtained resolution (0.7/0.692)

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SmartTune Wizard - Details

```
Optimization Details

SmartTune file: C:\NexIONData\Wizard\SmartTune\BRprepFAST2-SmartTune Monthly.swz

Optimization Status

Start Time: 3/17/2014 11:38:43 AM

Mass Calibration and Resolution
        Optimization Settings:
                Method: C:\NexIONData\Method\BRL Tuning.mth.
                MassCal File: Default.tun
                Iterations: 6
                Target accuracy (+/- amu): 0.1 for Mass Cal. and 0.05 for Resolution
                Peak height (%) for Res. Opt.: 10

        Optimization Results:
        Initial Try
                Target/Obtained mass (9.0122/9.075), Target/Obtained resolution (0.7/0.704)
                Target/Obtained mass (23.985/23.925), Target/Obtained resolution (0.7/0.700)
                Target/Obtained mass (75.93/75.925), Target/Obtained resolution (0.7/0.694)
                Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.704)
                Target/Obtained mass (139.905/139.975), Target/Obtained resolution (0.7/0.703)
                Target/Obtained mass (207.977/207.925), Target/Obtained resolution (0.7/0.692)
[Passed]  Optimum value(s): N/A

End Time: 3/17/2014 11:41:55 AM
```


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Sample Information

Report Title: QUANTITATIVE ANALYSIS REPORT
Batch ID:
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009
Tuning File: C:\NexIONData\MassCal\Default.tun
Optimization File: C:\NexIONData\Conditions\Default.dac
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Calibration Type: External Calibration

Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
Be	9	Weighted Linear	0.002	0.000	0.999454	0.150000
Na	23	Weighted Linear	0.021	-0.000	0.999872	15.000000
Mg	24	Weighted Linear	0.013	0.007	0.999880	15.000000
Al	27	Weighted Linear	0.018	0.007	0.998917	1.500000
K	39	Weighted Linear	0.024	-0.004	0.999853	15.000000
Ca	44	Weighted Linear	0.001	0.000	0.999817	30.000000
Sc	45	Weighted Linear				
Cr	52	Weighted Linear	0.016	0.000	0.999758	0.150000
Cr	53	Weighted Linear	0.002	0.000	0.999121	0.150000
Mn	55	Weighted Linear	0.021	0.000	0.999271	0.060000
Fe	54	Weighted Linear	0.001	0.002	0.996294	5.000000
Fe	57	Weighted Linear	0.000	0.001	0.999089	5.000000
Co	59	Weighted Linear	0.019	0.000	0.998924	0.100000
Ni	60	Weighted Linear	0.004	0.000	0.998141	0.200000
Ni	62	Weighted Linear	0.001	0.000	0.998965	0.200000
Cu	65	Weighted Linear	0.005	0.000	0.999467	0.120000
Cu	63	Weighted Linear	0.010	0.000	0.999364	0.120000
Zn	66	Weighted Linear	0.002	0.000	0.999762	0.200000
Zn	68	Weighted Linear	0.001	-0.000	0.999843	0.200000
Ge	74	Weighted Linear				
As	75	Weighted Linear	0.002	0.000	0.999447	0.270000
Se	77	Weighted Linear	0.000	-0.000	0.999572	0.500000
Se	82	Weighted Linear	0.000	-0.000	0.999016	0.500000
Mo	95	Weighted Linear	0.004	-0.000	0.999253	0.030000
Mo	97	Weighted Linear	0.003	0.000	0.999015	0.030000
Mo	98	Weighted Linear	0.007	-0.000	0.999275	0.030000
Ag	107	Weighted Linear	0.016	0.000	0.997689	0.020000
Ag	109	Weighted Linear	0.017	0.000	0.998958	0.020000
Cd	111	Weighted Linear	0.004	0.000	0.999457	0.020000
Cd	114	Weighted Linear	0.009	0.000	0.999833	0.020000
In	115	Weighted Linear				
Sb	121	Weighted Linear	0.011	-0.000	0.999761	0.020000
Ba	138	Weighted Linear	0.037	-0.000	0.999864	0.050000
Tm	169	Weighted Linear				
Tl	205	Weighted Linear	0.031	0.000	0.999020	0.010000
Pb	208	Weighted Linear	0.041	0.000	0.998762	0.025000
C	13	Weighted Linear				

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB1
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 14:24:44
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9		16	5	31.3			ug/L
ê	Na	23		8305	46	0.5			ug/L
ê	Mg	24		238	18	7.7			ug/L
ê	Al	27		1225	68	5.6			ug/L
ê	K	39		619876	7990	1.3			ug/L
ê	Ca	44		4789	63	1.3			ug/L
ê>	Sc	45		1065884	27616	2.6			ug/L
ê	Cr	52		14356	166	1.2			ug/L
ê	Cr	53		67	16	23.5			ug/L
ê	Mn	55		1312	26	1.9			ug/L
ê	Fe	54		134900	985	0.7			ug/L
ê	Fe	57		10869	117	1.1			ug/L
ê	Co	59		68	10	14.8			ug/L
ê	Ni	60		48	10	21.0			ug/L
ë	Ni	62		71	12	17.6			ug/L
é	Cu	65		10	2	17.3			ug/L
ê	Cu	63		35	4	11.4			ug/L
ê	Zn	66		45	11	24.4			ug/L
ê	Zn	68		382	6	1.6			ug/L
ê>	Ge	74		1032763	13906	1.3			ug/L
ë	As	75		-107	34	32.1			ug/L
é	Se	77		103	15	14.4			ug/L
ê	Se	82		18	12	68.8			ug/L
ê	Mo	95		12	2	17.8			ug/L
ê	Mo	97		9	1	13.3			ug/L
ê	Mo	98		21	2	7.3			ug/L
ê	Ag	107		7	1	14.3			ug/L
ê	Ag	109		7	1	15.7			ug/L
ê	Cd	111		4	1	31.5			ug/L
ê	Cd	114		28	6	20.0			ug/L
ê>	In	115		1125822	22513	2.0			ug/L
ê	Sb	121		11	3	25.5			ug/L
ë	Ba	138		82	4	5.1			ug/L
é>	Tm	169		1024880	16393	1.6			ug/L
ê	Tl	205		13	3	24.1			ug/L
ë	Pb	208		43	5	12.0			ug/L

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C	13	35331	401	1.1	ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
Na	23	
Mg	24	
Al	27	
K	39	
Ca	44	
Sc	45	
Cr	52	
Cr	53	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Ni	62	
Cu	65	
Cu	63	
Zn	66	
Zn	68	
Ge	74	
As	75	
Se	77	
Se	82	
Mo	95	
Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	
Sb	121	
Ba	138	
Tm	169	
Tl	205	
Pb	208	
C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL1

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 14:28:38
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2020

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CAL1.010
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	287	14	4.9	0.000254	**0.1488**	ug/L
ê	Na	23	8305	336513	6908	2.1	0.308433	**15.0337**	ug/L
ê	Mg	24	238	221888	4978	2.2	0.208283	**15.0011**	ug/L
ê	Al	27	1225	39813	6148	15.4	0.036307	**1.5699**	ug/L
ê	K	39	619876	998137	32540	3.3	0.356312	**15.1676**	ug/L
ê	Ca	44	4789	24279	736	3.0	0.018321	**29.8759**	ug/L
ê>	Sc	45	1065884	1064092	11413	1.1	1064091.973474		ug/L
ê	Cr	52	14356	16955	372	2.2	0.002464	**0.1475**	ug/L
ê	Cr	53	67	364	36	9.9	0.000278	**0.1466**	ug/L
ê	Mn	55	1312	2774	63	2.3	0.001376	**0.0592**	ug/L
ê	Fe	54	134900	142506	2016	1.4	0.007384	**4.5939**	ug/L
ê	Fe	57	10869	13773	234	1.7	0.002747	**4.9390**	ug/L
ê	Co	59	68	2280	3	0.1	0.002079	**0.0987**	ug/L
ê	Ni	60	48	1012	22	2.2	0.000906	**0.1982**	ug/L
ë	Ni	62	71	222	16	7.2	0.000142	**0.2001**	ug/L
é	Cu	65	10	602	46	7.7	0.000582	**0.1175**	ug/L
ê	Cu	63	35	1299	62	4.8	0.001243	**0.1179**	ug/L
ê	Zn	66	45	445	32	7.1	0.000394	**0.1968**	ug/L
ê	Zn	68	382	645	58	8.9	0.000263	**0.2021**	ug/L
ê>	Ge	74	1032763	1017186	49637	4.9	1017186.239822		ug/L
ë	As	75	-107	479	38	8.0	0.000574	**0.2615**	ug/L
é	Se	77	103	167	7	4.3	0.000053	**0.4993**	ug/L
ê	Se	82	18	116	21	18.1	0.000085	**0.4812**	ug/L
ê	Mo	95	12	148	12	8.0	0.000118	**0.0291**	ug/L
ê	Mo	97	9	107	13	11.9	0.000085	**0.0292**	ug/L
ê	Mo	98	21	247	30	12.1	0.000196	**0.0297**	ug/L
ê	Ag	107	7	385	31	8.2	0.000328	**0.0194**	ug/L
ê	Ag	109	7	407	32	7.9	0.000347	**0.0196**	ug/L
ê	Cd	111	4	90	4	4.2	0.000075	**0.0196**	ug/L
ê	Cd	114	28	236	21	9.0	0.000180	**0.0201**	ug/L
ê>	In	115	1125822	1152518	5890	0.5	1152517.838600		ug/L
ê	Sb	121	11	267	7	2.7	0.000222	**0.0202**	ug/L
ë	Ba	138	82	2216	16	0.7	0.001850	**0.0498**	ug/L
é>	Tm	169	1024880	1054567	868	0.1	1054567.413832		ug/L
ê	Tl	205	13	361	14	3.9	0.000330	**0.0098**	ug/L
ë	Pb	208	43	1134	7	0.6	0.001034	**0.0244**	ug/L

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C	13	35331	36124	322	0.9	792.309806	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL2

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 14:32:32
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2010

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CAL2.011
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	557	30	5.3	0.000497	**0.3005**	ug/L
ê	Na	23	8305	677063	9511	1.4	0.614777	**29.9585**	ug/L
ê	Mg	24	238	445356	7750	1.7	0.409292	**29.9931**	ug/L
ê	Al	27	1225	63946	692	1.1	0.057651	**2.7324**	ug/L
ê	K	39	619876	1386784	3608	0.3	0.693673	**29.3807**	ug/L
ê	Ca	44	4789	45205	366	0.8	0.037076	**60.6738**	ug/L
ê>	Sc	45	1065884	1087501	5548	0.5	1087500.567913		ug/L
ê	Cr	52	14356	20244	53	0.3	0.005148	**0.3106**	ug/L
ê	Cr	53	67	706	39	5.5	0.000586	**0.3124**	ug/L
ê	Mn	55	1312	4307	37	0.9	0.002730	**0.1224**	ug/L
ê	Fe	54	134900	154292	1432	0.9	0.015317	**11.6414**	ug/L
ê	Fe	57	10869	16620	236	1.4	0.005087	**10.2439**	ug/L
ê	Co	59	68	4517	70	1.5	0.004091	**0.2035**	ug/L
ê	Ni	60	48	1967	57	2.9	0.001764	**0.4011**	ug/L
ë	Ni	62	71	360	31	8.6	0.000265	**0.3958**	ug/L
é	Cu	65	10	1241	88	7.1	0.001177	**0.2492**	ug/L
ê	Cu	63	35	2630	116	4.4	0.002479	**0.2470**	ug/L
ê	Zn	66	45	895	14	1.6	0.000812	**0.4109**	ug/L
ê	Zn	68	382	930	14	1.5	0.000519	**0.3909**	ug/L
ê>	Ge	74	1032763	1046326	13498	1.3	1046325.714411		ug/L
ë	As	75	-107	1197	94	7.9	0.001249	**0.5726**	ug/L
é	Se	77	103	239	25	10.5	0.000115	**1.0098**	ug/L
ê	Se	82	18	250	14	5.4	0.000202	**1.0800**	ug/L
ê	Mo	95	12	312	25	8.2	0.000260	**0.0632**	ug/L
ê	Mo	97	9	210	18	8.3	0.000175	**0.0632**	ug/L
ê	Mo	98	21	500	33	6.6	0.000415	**0.0609**	ug/L
ê	Ag	107	7	815	20	2.4	0.000701	**0.0423**	ug/L
ê	Ag	109	7	841	11	1.4	0.000723	**0.0413**	ug/L
ê	Cd	111	4	187	17	9.1	0.000159	**0.0419**	ug/L
ê	Cd	114	28	436	19	4.4	0.000353	**0.0396**	ug/L
ê>	In	115	1125822	1152920	7960	0.7	1152919.660924		ug/L
ê	Sb	121	11	513	17	3.3	0.000435	**0.0395**	ug/L
ë	Ba	138	82	4419	126	2.9	0.003761	**0.1012**	ug/L
é>	Tm	169	1024880	1036730	10243	1.0	1036729.619771		ug/L
ê	Tl	205	13	706	32	4.5	0.000668	**0.0206**	ug/L
ë	Pb	208	43	2291	84	3.7	0.002168	**0.0522**	ug/L

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C	13	35331	36205	298	0.8	873.514642	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL3
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 14:36:25
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2002

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CAL3.012
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	2624	25	1.0	0.002430	**1.5062**	ug/L
ê	Na	23	8305	3266475	15212	0.5	3.036172	**147.9268**	ug/L
ê	Mg	24	238	2169957	29385	1.4	2.022083	**150.2811**	ug/L
ê	Al	27	1225	300301	1721	0.6	0.278698	**14.7718**	ug/L
ê	K	39	619876	4410085	30242	0.7	3.528104	**148.7957**	ug/L
ê	Ca	44	4789	198227	3629	1.8	0.180233	**295.7471**	ug/L
ê>	Sc	45	1065884	1073111	7547	0.7	1073111.397583		ug/L
ê	Cr	52	14356	40906	272	0.7	0.024653	**1.4955**	ug/L
ê	Cr	53	67	3128	52	1.6	0.002852	**1.5321**	ug/L
ê	Mn	55	1312	15614	285	1.8	0.013319	**0.6161**	ug/L
ê	Fe	54	134900	199177	4316	2.2	0.059034	**50.4765**	ug/L
ê	Fe	57	10869	35256	768	2.2	0.022656	**50.0815**	ug/L
ê	Co	59	68	21297	212	1.0	0.019784	**1.0211**	ug/L
ê	Ni	60	48	9621	214	2.2	0.008920	**2.0946**	ug/L
ë	Ni	62	71	1468	14	0.9	0.001301	**2.0546**	ug/L
é	Cu	65	10	5834	185	3.2	0.005557	**1.2182**	ug/L
ê	Cu	63	35	12406	308	2.5	0.011804	**1.2207**	ug/L
ê	Zn	66	45	4201	86	2.0	0.003966	**2.0261**	ug/L
ê	Zn	68	382	3214	50	1.6	0.002697	**2.0020**	ug/L
ê>	Ge	74	1032763	1048180	13349	1.3	1048180.111769		ug/L
ë	As	75	-107	6101	169	2.8	0.005926	**2.7300**	ug/L
é	Se	77	103	764	18	2.3	0.000571	**4.7570**	ug/L
ê	Se	82	18	1092	44	4.0	0.000932	**4.8401**	ug/L
ê	Mo	95	12	1480	27	1.8	0.001274	**0.3075**	ug/L
ê	Mo	97	9	931	35	3.8	0.000800	**0.3013**	ug/L
ê	Mo	98	21	2499	3	0.1	0.002149	**0.3082**	ug/L
ê	Ag	107	7	3832	39	1.0	0.003318	**0.2028**	ug/L
ê	Ag	109	7	4029	64	1.6	0.003489	**0.2007**	ug/L
ê	Cd	111	4	856	12	1.4	0.000739	**0.1948**	ug/L
ê	Cd	114	28	2012	35	1.8	0.001721	**0.1938**	ug/L
ê>	In	115	1125822	1152737	12513	1.1	1152737.034689		ug/L
ê	Sb	121	11	2476	35	1.4	0.002138	**0.1935**	ug/L
ë	Ba	138	82	21301	101	0.5	0.018407	**0.4949**	ug/L
é>	Tm	169	1024880	1048447	10550	1.0	1048446.572894		ug/L
ê	Tl	205	13	3462	67	1.9	0.003289	**0.1039**	ug/L
ë	Pb	208	43	10822	248	2.3	0.010281	**0.2512**	ug/L

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C	13	35331	35877	305	0.9	545.355077	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL4

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 14:40:20
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2001

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CAL4.013
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	5254	126	2.4	0.004807	**2.9888**	ug/L
ê	Na	23	8305	6634883	63740	1.0	6.081109	**296.2734**	ug/L
ê	Mg	24	238	4362291	35105	0.8	4.002359	**297.9775**	ug/L
ê	Al	27	1225	602804	4993	0.8	0.552034	**29.6593**	ug/L
ê	K	39	619876	8313086	11638	0.1	7.046728	**297.0359**	ug/L
ê	Ca	44	4789	398820	3751	0.9	0.361453	**593.3235**	ug/L
ê>	Sc	45	1065884	1090227	27321	2.5	1090227.349283		ug/L
ê	Cr	52	14356	67441	1047	1.6	0.048402	**2.9382**	ug/L
ê	Cr	53	67	6090	125	2.0	0.005523	**2.9705**	ug/L
ê	Mn	55	1312	29449	647	2.2	0.025789	**1.1975**	ug/L
ê	Fe	54	134900	258052	3472	1.3	0.110179	**95.9111**	ug/L
ê	Fe	57	10869	59029	475	0.8	0.043962	**98.3917**	ug/L
ê	Co	59	68	43064	165	0.4	0.039456	**2.0461**	ug/L
ê	Ni	60	48	19212	376	2.0	0.017578	**4.1436**	ug/L
ë	Ni	62	71	2863	35	1.2	0.002560	**4.0697**	ug/L
é	Cu	65	10	11522	488	4.2	0.010924	**2.4054**	ug/L
ê	Cu	63	35	24701	619	2.5	0.023408	**2.4326**	ug/L
ê	Zn	66	45	8435	203	2.4	0.007962	**4.0728**	ug/L
ê	Zn	68	382	6146	82	1.3	0.005463	**4.0478**	ug/L
ê>	Ge	74	1032763	1053615	8294	0.8	1053614.571940		ug/L
ë	As	75	-107	12478	333	2.7	0.011947	**5.5075**	ug/L
é	Se	77	103	1481	46	3.1	0.001190	**9.8424**	ug/L
ê	Se	82	18	2217	48	2.2	0.001902	**9.8396**	ug/L
ê	Mo	95	12	2905	88	3.0	0.002503	**0.6034**	ug/L
ê	Mo	97	9	1888	39	2.1	0.001625	**0.6156**	ug/L
ê	Mo	98	21	4928	209	4.2	0.004244	**0.6071**	ug/L
ê	Ag	107	7	7697	35	0.5	0.006653	**0.4074**	ug/L
ê	Ag	109	7	8018	90	1.1	0.006930	**0.3989**	ug/L
ê	Cd	111	4	1683	55	3.2	0.001453	**0.3831**	ug/L
ê	Cd	114	28	4111	43	1.1	0.003532	**0.3980**	ug/L
ê>	In	115	1125822	1155899	1921	0.2	1155899.365326		ug/L
ê	Sb	121	11	5021	69	1.4	0.004333	**0.3922**	ug/L
ë	Ba	138	82	42269	588	1.4	0.036494	**0.9812**	ug/L
é>	Tm	169	1024880	1043201	7566	0.7	1043200.848475		ug/L
ê	Tl	205	13	6805	149	2.2	0.006511	**0.2064**	ug/L
ë	Pb	208	43	21800	181	0.8	0.020857	**0.5106**	ug/L

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C	13	35331	35224	462	1.3	-107.263163	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL5

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 14:44:14
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3020

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CAL5.014
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	1804	78	4.3	0.001659	**1.0252**	ug/L
ê	Na	23	8305	22559658	761253	3.4	20.929517	**1019.6747**	ug/L
ê	Mg	24	238	29439028	907575	3.1	27.322503	**2037.2816**	ug/L
ê	Al	27	1225	10054388	197748	2.0	9.331980	**507.8645**	ug/L
ê	K	39	619876	26810050	806334	3.0	24.304586	**1024.1122**	ug/L
ê	Ca	44	4789	1348478	68116	5.1	1.246690	**2046.9474**	ug/L
ê>	Sc	45	1065884	1077323	23613	2.2	1077322.789517		ug/L
ê	Cr	52	14356	462419	22867	4.9	0.415590	**25.2438**	ug/L
ê	Cr	53	67	51133	1681	3.3	0.047392	**25.5121**	ug/L
ê	Mn	55	1312	598662	23276	3.9	0.554334	**25.8405**	ug/L
ê	Fe	54	134900	751644	28231	3.8	0.571001	**505.2805**	ug/L
ê	Fe	57	10869	259766	6305	2.4	0.230926	**522.3270**	ug/L
ê	Co	59	68	108075	2736	2.5	0.100250	**5.2136**	ug/L
ê	Ni	60	48	47634	965	2.0	0.044176	**10.4377**	ug/L
ë	Ni	62	71	6998	201	2.9	0.006430	**10.2635**	ug/L
é	Cu	65	10	47892	1075	2.2	0.045987	**10.1622**	ug/L
ê	Cu	63	35	101628	2778	2.7	0.097577	**10.1781**	ug/L
ê	Zn	66	45	101258	3299	3.3	0.097209	**49.7754**	ug/L
ê	Zn	68	382	71958	2293	3.2	0.068748	**50.8551**	ug/L
ê>	Ge	74	1032763	1041136	7159	0.7	1041135.943326		ug/L
ë	As	75	-107	22022	813	3.7	0.021255	**9.8013**	ug/L
é	Se	77	103	1533	47	3.0	0.001260	**10.4212**	ug/L
ê	Se	82	18	2260	36	1.6	0.001978	**10.2292**	ug/L
ê	Mo	95	12	24053	399	1.7	0.021209	**5.1086**	ug/L
ê	Mo	97	9	15223	647	4.3	0.013426	**5.1091**	ug/L
ê	Mo	98	21	40521	857	2.1	0.035727	**5.0974**	ug/L
ê	Ag	107	7	39169	599	1.5	0.034547	**2.1187**	ug/L
ê	Ag	109	7	41451	985	2.4	0.036557	**2.1054**	ug/L
ê	Cd	111	4	4427	142	3.2	0.003902	**1.0289**	ug/L
ê	Cd	114	28	10240	99	1.0	0.009009	**1.0155**	ug/L
ê>	In	115	1125822	1133757	17770	1.6	1133757.318320		ug/L
ê	Sb	121	11	12795	428	3.3	0.011279	**1.0205**	ug/L
ë	Ba	138	82	1046798	24366	2.3	0.923465	**24.8267**	ug/L
é>	Tm	169	1024880	1038044	10092	1.0	1038044.404865		ug/L
ê	Tl	205	13	16576	240	1.4	0.015957	**0.5069**	ug/L
ë	Pb	208	43	110347	1413	1.3	0.106262	**2.6051**	ug/L

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C	13	35331	36014	349	1.0	683.034853	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL6
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 14:48:08
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3010

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CAL6.015
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	3689	25	0.7	0.003374	**2.0950**	ug/L
ê	Na	23	8305	45725900	348091	0.8	41.997910	**2046.1083**	ug/L
ê	Mg	24	238	59499495	769760	1.3	54.659697	**4076.1922**	ug/L
ê	Al	27	1225	20708772	254796	1.2	19.023771	**1035.7339**	ug/L
ê	K	39	619876	53016828	899065	1.7	48.121164	**2027.5084**	ug/L
ê	Ca	44	4789	2720830	23576	0.9	2.495037	**4096.8222**	ug/L
ê>	Sc	45	1065884	1088573	6852	0.6	1088572.796500		ug/L
ê	Cr	52	14356	929195	5061	0.5	0.840125	**51.0332**	ug/L
ê	Cr	53	67	105649	2073	2.0	0.096998	**52.2193**	ug/L
ê	Mn	55	1312	1207500	24104	2.0	1.108127	**51.6606**	ug/L
ê	Fe	54	134900	1412326	14946	1.1	1.170870	**1038.1708**	ug/L
ê	Fe	57	10869	516608	5012	1.0	0.464408	**1051.7406**	ug/L
ê	Co	59	68	215716	1955	0.9	0.198111	**10.3124**	ug/L
ê	Ni	60	48	95818	2690	2.8	0.087969	**20.8009**	ug/L
ë	Ni	62	71	14446	403	2.8	0.013202	**21.1030**	ug/L
é	Cu	65	10	97597	1171	1.2	0.092816	**20.5221**	ug/L
ê	Cu	63	35	206990	1740	0.8	0.196811	**20.5411**	ug/L
ê	Zn	66	45	207163	5487	2.6	0.197022	**100.8885**	ug/L
ê	Zn	68	382	144679	706	0.5	0.137229	**101.5050**	ug/L
ê>	Ge	74	1032763	1051707	18152	1.7	1051706.865207		ug/L
ë	As	75	-107	45445	446	1.0	0.043328	**19.9832**	ug/L
é	Se	77	103	2893	11	0.4	0.002440	**20.1203**	ug/L
ê	Se	82	18	4537	72	1.6	0.003955	**20.4115**	ug/L
ê	Mo	95	12	47874	201	0.4	0.041886	**10.0885**	ug/L
ê	Mo	97	9	30775	591	1.9	0.026925	**10.2492**	ug/L
ê	Mo	98	21	82771	512	0.6	0.072417	**10.3304**	ug/L
ê	Ag	107	7	78371	274	0.3	0.068579	**4.2065**	ug/L
ê	Ag	109	7	82553	1386	1.7	0.072236	**4.1606**	ug/L
ê	Cd	111	4	8835	64	0.7	0.007729	**2.0378**	ug/L
ê	Cd	114	28	20733	155	0.7	0.018120	**2.0426**	ug/L
ê>	In	115	1125822	1142696	4631	0.4	1142696.359498		ug/L
ê	Sb	121	11	25764	69	0.3	0.022537	**2.0390**	ug/L
ë	Ba	138	82	2125080	21689	1.0	1.859610	**49.9942**	ug/L
é>	Tm	169	1024880	1036697	4360	0.4	1036697.258373		ug/L
ê	Tl	205	13	33262	581	1.7	0.032071	**1.0194**	ug/L
ë	Pb	208	43	219105	2730	1.2	0.211304	**5.1813**	ug/L

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C	13	35331	36676	407	1.1	1345.050276	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL7
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 14:52:02
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3002

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CAL7.016
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	16721	93	0.6	0.015756	**9.8198**	ug/L
ê	Na	23	8305	214604727	1534447	0.7	202.404403	**9860.9710**	ug/L
ê	Mg	24	238	277596102	4103610	1.5	261.830456	**19527.7664**	ug/L
ê	Al	27	1225	96694721	1174942	1.2	91.201349	**4966.9305**	ug/L
ê	K	39	619876	248699061	3831190	1.5	233.984852	**9857.9750**	ug/L
ê	Ca	44	4789	12648966	136266	1.1	11.925531	**19582.3759**	ug/L
ê>	Sc	45	1065884	1060250	3315	0.3	1060249.637317		ug/L
ê	Cr	52	14356	4333442	91649	2.1	4.073691	**247.4634**	ug/L
ê	Cr	53	67	477080	4666	1.0	0.449910	**242.2241**	ug/L
ê	Mn	55	1312	5452669	70628	1.3	5.141657	**239.7206**	ug/L
ê	Fe	54	134900	5958845	75239	1.3	5.493763	**4878.3920**	ug/L
ê	Fe	57	10869	2275330	25250	1.1	2.135834	**4841.6450**	ug/L
ê	Co	59	68	973467	14510	1.5	0.918093	**47.8253**	ug/L
ê	Ni	60	48	423982	3562	0.8	0.399845	**94.6040**	ug/L
ë	Ni	62	71	63224	762	1.2	0.059566	**95.3086**	ug/L
é	Cu	65	10	427679	6240	1.5	0.437942	**96.8723**	ug/L
ê	Cu	63	35	913795	11417	1.2	0.935660	**97.6989**	ug/L
ê	Zn	66	45	936926	4446	0.5	0.959361	**491.2765**	ug/L
ê	Zn	68	382	649797	9444	1.5	0.665055	**491.8959**	ug/L
ê>	Ge	74	1032763	976573	5221	0.5	976572.673190		ug/L
ë	As	75	-107	206818	2144	1.0	0.211886	**97.7362**	ug/L
é	Se	77	103	13261	523	3.9	0.012061	**99.2238**	ug/L
ê	Se	82	18	21063	200	1.0	0.019289	**99.3956**	ug/L
ê	Mo	95	12	219021	3570	1.6	0.200728	**48.3440**	ug/L
ê	Mo	97	9	139082	821	0.6	0.127470	**48.5343**	ug/L
ê	Mo	98	21	372964	9948	2.7	0.341796	**48.7515**	ug/L
ê	Ag	107	7	336213	4942	1.5	0.308142	**18.9037**	ug/L
ê	Ag	109	7	362731	3509	1.0	0.332478	**19.1507**	ug/L
ê	Cd	111	4	41034	895	2.2	0.037606	**9.9159**	ug/L
ê	Cd	114	28	96080	2308	2.4	0.088039	**9.9250**	ug/L
ê>	In	115	1125822	1091036	7307	0.7	1091036.298463		ug/L
ê	Sb	121	11	120493	623	0.5	0.110431	**9.9907**	ug/L
ë	Ba	138	82	10121443	106116	1.0	9.277525	**249.4191**	ug/L
é>	Tm	169	1024880	1000485	12147	1.2	1000484.769767		ug/L
ê	Tl	205	13	151295	1696	1.1	0.151229	**4.8096**	ug/L
ë	Pb	208	43	974275	13359	1.4	0.973900	**23.8841**	ug/L

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C	13	35331	36144	486	1.3	812.697685	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL8

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 14:55:55
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3001

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CAL8.017
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	31314	448	1.4	0.030508	**19.0227**	ug/L
ê	Na	23	8305	419718532	5820793	1.4	409.099975	**19930.9969**	ug/L
ê	Mg	24	238	545226791	5924630	1.1	531.460890	**39637.8178**	ug/L
ê	Al	27	1225	192924412	2671789	1.4	188.077596	**10243.3556**	ug/L
ê	K	39	619876	489350302	6441797	1.3	476.479971	**20074.3329**	ug/L
ê	Ca	44	4789	24780426	356721	1.4	24.150400	**39656.4960**	ug/L
ê>	Sc	45	1065884	1025944	14973	1.5	1025943.669338		ug/L
ê	Cr	52	14356	8326055	72570	0.9	8.103333	**492.2531**	ug/L
ê	Cr	53	67	891438	18076	2.0	0.869120	**467.9228**	ug/L
ê	Mn	55	1312	10368731	164083	1.6	10.106421	**471.1985**	ug/L
ê	Fe	54	134900	10802242	82210	0.8	10.403800	**9240.2000**	ug/L
ê	Fe	57	10869	4253117	72741	1.7	4.135300	**9375.3702**	ug/L
ê	Co	59	68	1813595	51088	2.8	1.767544	**92.0839**	ug/L
ê	Ni	60	48	774589	24659	3.2	0.754927	**178.6313**	ug/L
ë	Ni	62	71	119381	3442	2.9	0.116280	**186.0801**	ug/L
é	Cu	65	10	803957	8169	1.0	0.862748	**190.8499**	ug/L
ê	Cu	63	35	1669941	42137	2.5	1.791677	**187.0927**	ug/L
ê	Zn	66	45	1765893	14585	0.8	1.894956	**970.3869**	ug/L
ê	Zn	68	382	1239172	9641	0.8	1.329370	**983.2372**	ug/L
ê>	Ge	74	1032763	932001	16231	1.7	932000.754324		ug/L
ë	As	75	-107	397312	1046	0.3	0.426493	**196.7307**	ug/L
é	Se	77	103	25945	335	1.3	0.024701	**203.1404**	ug/L
ê	Se	82	18	39346	509	1.3	0.037584	**193.6252**	ug/L
ê	Mo	95	12	412034	847	0.2	0.393711	**94.8220**	ug/L
ê	Mo	97	9	255005	4195	1.6	0.243653	**92.7736**	ug/L
ê	Mo	98	21	681485	6565	1.0	0.651169	**92.8767**	ug/L
ê	Ag	107	7	604584	16011	2.6	0.577706	**35.4414**	ug/L
ê	Ag	109	7	678242	8635	1.3	0.648071	**37.3292**	ug/L
ê	Cd	111	4	79504	769	1.0	0.075968	**20.0310**	ug/L
ê	Cd	114	28	187201	2020	1.1	0.178860	**20.1637**	ug/L
ê>	In	115	1125822	1046544	6630	0.6	1046543.967967		ug/L
ê	Sb	121	11	235011	1370	0.6	0.224557	**20.3156**	ug/L
ë	Ba	138	82	20055491	155715	0.8	19.163997	**515.2092**	ug/L
é>	Tm	169	1024880	960808	4887	0.5	960807.965561		ug/L
ê	Tl	205	13	279606	3300	1.2	0.290995	**9.2552**	ug/L
ë	Pb	208	43	1803155	11342	0.6	1.876688	**46.0251**	ug/L

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C	13	35331	35869	222	0.6	537.668128	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
	Ba	138	
>	Tm	169	
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB2

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 14:59:49
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB2.018
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	21	6	31.1	0.000003	**-0.0077**	ug/L
ê	Na	23	8305	28384	6374	22.5	0.017469	**0.8582**	ug/L
ê	Mg	24	238	8966	12760	142.3	0.007711	**0.0417**	ug/L
ê	Al	27	1225	3892	3799	97.6	0.002302	**-0.2822**	ug/L
ê	K	39	619876	646409	6422	1.0	-0.005389	**-0.0709**	ug/L
ê	Ca	44	4789	5163	469	9.1	0.000107	**-0.0331**	ug/L
ê>	Sc	45	1065884	1121922	12860	1.1	1121921.678657		ug/L
ê	Cr	52	14356	15246	408	2.7	0.000119	**0.0051**	ug/L
ê	Cr	53	67	76	17	22.0	0.000005	**-0.0007**	ug/L
ê	Mn	55	1312	1476	96	6.5	0.000084	**-0.0010**	ug/L
ê	Fe	54	134900	143563	5260	3.7	0.001400	**-0.7224**	ug/L
ê	Fe	57	10869	10902	93	0.9	-0.000479	**-2.3756**	ug/L
ê	Co	59	68	79	21	26.7	0.000007	**-0.0093**	ug/L
ê	Ni	60	48	67	11	17.1	0.000014	**-0.0129**	ug/L
ë	Ni	62	71	122	14	11.3	0.000042	**0.0400**	ug/L
é	Cu	65	10	30	2	5.8	0.000019	**-0.0071**	ug/L
ê	Cu	63	35	144	40	28.0	0.000101	**-0.0013**	ug/L
ê	Zn	66	45	58	12	20.1	0.000011	**0.0008**	ug/L
ê	Zn	68	382	412	17	4.1	0.000018	**0.0203**	ug/L
ê>	Ge	74	1032763	1063034	14526	1.4	1063034.452307		ug/L
ë	As	75	-107	-56	52	93.6	0.000052	**0.0206**	ug/L
é	Se	77	103	96	11	11.5	-0.000010	**-0.0176**	ug/L
ê	Se	82	18	23	2	8.7	0.000004	**0.0607**	ug/L
ê	Mo	95	12	92	76	82.7	0.000068	**0.0170**	ug/L
ê	Mo	97	9	52	39	74.0	0.000037	**0.0108**	ug/L
ê	Mo	98	21	147	115	78.2	0.000107	**0.0170**	ug/L
ê	Ag	107	7	68	83	123.3	0.000052	**0.0024**	ug/L
ê	Ag	109	7	65	88	136.0	0.000049	**0.0025**	ug/L
ê	Cd	111	4	6	8	132.3	0.000002	**0.0005**	ug/L
ê	Cd	114	28	43	20	47.2	0.000012	**0.0012**	ug/L
ê>	In	115	1125822	1173721	6495	0.6	1173720.650907		ug/L
ê	Sb	121	11	122	15	12.4	0.000094	**0.0086**	ug/L
ë	Ba	138	82	814	1168	143.6	0.000624	**0.0168**	ug/L
é>	Tm	169	1024880	1061634	4315	0.4	1061633.805100		ug/L
ê	Tl	205	13	344	112	32.4	0.000312	**0.0092**	ug/L
ë	Pb	208	43	102	69	67.8	0.000054	**0.0004**	ug/L

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C	13	35331	36660	284	0.8	1329.007198	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	105.257
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	102.931
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	104.255
	Sb	121	
	Ba	138	
>	Tm	169	103.586
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICV1

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 15:05:36
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 4

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICV1.019
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	1673	18	1.1	0.001504	**0.9287**	ug/L
ê	Na	23	8305	10767633	42901	0.4	9.770905	**476.0370**	ug/L
ê	Mg	24	238	2876846	25277	0.9	2.612463	**194.3139**	ug/L
ê	Al	27	1225	980495	34318	3.5	0.889380	**48.0330**	ug/L
ê	K	39	619876	3130495	55263	1.8	2.261598	**95.4376**	ug/L
ê	Ca	44	4789	653246	11968	1.8	0.588790	**966.6271**	ug/L
ê>	Sc	45	1065884	1101137	5052	0.5	1101136.946501		ug/L
ê	Cr	52	14356	230960	9164	4.0	0.196292	**11.9221**	ug/L
ê	Cr	53	67	24840	365	1.5	0.022495	**12.1080**	ug/L
ê	Mn	55	1312	59754	2839	4.8	0.053041	**2.4681**	ug/L
ê	Fe	54	134900	439086	11109	2.5	0.272225	**239.8640**	ug/L
ê	Fe	57	10869	127561	5132	4.0	0.105657	**238.2840**	ug/L
ê	Co	59	68	50550	1160	2.3	0.045846	**2.3790**	ug/L
ê	Ni	60	48	22582	552	2.4	0.020465	**4.8266**	ug/L
ë	Ni	62	71	3411	50	1.5	0.003031	**4.8239**	ug/L
é	Cu	65	10	23536	760	3.2	0.022394	**4.9429**	ug/L
ê	Cu	63	35	49780	1258	2.5	0.047352	**4.9330**	ug/L
ê	Zn	66	45	10130	163	1.6	0.009600	**4.9113**	ug/L
ê	Zn	68	382	7336	70	1.0	0.006615	**4.8997**	ug/L
ê>	Ge	74	1032763	1050423	10758	1.0	1050423.246892		ug/L
ë	As	75	-107	11250	227	2.0	0.010816	**4.9859**	ug/L
é	Se	77	103	1478	51	3.4	0.001194	**9.8779**	ug/L
ê	Se	82	18	2202	36	1.6	0.001899	**9.8251**	ug/L
ê	Mo	95	12	2305	56	2.4	0.001994	**0.4807**	ug/L
ê	Mo	97	9	1528	54	3.5	0.001322	**0.5000**	ug/L
ê	Mo	98	21	4047	36	0.9	0.003500	**0.5010**	ug/L
ê	Ag	107	7	16490	102	0.6	0.014334	**0.8786**	ug/L
ê	Ag	109	7	17758	266	1.5	0.015435	**0.8888**	ug/L
ê	Cd	111	4	2120	39	1.8	0.001840	**0.4852**	ug/L
ê	Cd	114	28	4974	113	2.3	0.004300	**0.4846**	ug/L
ê>	In	115	1125822	1150043	10643	0.9	1150043.137326		ug/L
ê	Sb	121	11	12475	37	0.3	0.010838	**0.9806**	ug/L
ë	Ba	138	82	103526	1579	1.5	0.089951	**2.4183**	ug/L
é>	Tm	169	1024880	1037207	10902	1.1	1037207.104268		ug/L
ê	Tl	205	13	8254	117	1.4	0.007946	**0.2521**	ug/L
ë	Pb	208	43	105441	492	0.5	0.101627	**2.4915**	ug/L

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C	13	35331	35448	655	1.8	116.293799	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	103.307
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	101.710
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	102.151
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	101.203
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB3
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 15:12:15
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB3.020
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	18	8	41.9	0.000001	**-0.0092**	ug/L
ê	Na	23	8305	9736	224	2.3	0.000935	**0.0527**	ug/L
ê	Mg	24	238	347	46	13.3	0.000088	**-0.5268**	ug/L
ê	Al	27	1225	1332	38	2.9	0.000046	**-0.4051**	ug/L
ê	K	39	619876	619245	9818	1.6	-0.026441	**-0.9578**	ug/L
ê	Ca	44	4789	4732	96	2.0	-0.000251	**-0.6205**	ug/L
ê>	Sc	45	1065884	1115608	24066	2.2	1115608.117523		ug/L
ê	Cr	52	14356	15109	456	3.0	0.000074	**0.0024**	ug/L
ê	Cr	53	67	67	13	19.3	-0.000003	**-0.0049**	ug/L
ê	Mn	55	1312	1210	28	2.3	-0.000146	**-0.0117**	ug/L
ê	Fe	54	134900	140626	3309	2.4	-0.000508	**-2.4165**	ug/L
ê	Fe	57	10869	11000	225	2.0	-0.000333	**-2.0452**	ug/L
ê	Co	59	68	57	7	12.8	-0.000013	**-0.0103**	ug/L
ê	Ni	60	48	45	8	16.9	-0.000005	**-0.0174**	ug/L
ë	Ni	62	71	84	8	9.9	0.000009	**-0.0135**	ug/L
é	Cu	65	10	15	3	20.8	0.000004	**-0.0103**	ug/L
ê	Cu	63	35	37	1	2.7	0.000001	**-0.0118**	ug/L
ê	Zn	66	45	48	4	8.4	0.000002	**-0.0037**	ug/L
ê	Zn	68	382	373	7	1.9	-0.000018	**-0.0057**	ug/L
ê>	Ge	74	1032763	1059878	14251	1.3	1059877.863731		ug/L
ë	As	75	-107	-88	14	16.3	0.000021	**0.0064**	ug/L
é	Se	77	103	96	6	6.7	-0.000009	**-0.0121**	ug/L
ê	Se	82	18	19	12	60.8	0.000001	**0.0450**	ug/L
ê	Mo	95	12	14	3	18.9	0.000002	**0.0010**	ug/L
ê	Mo	97	9	13	2	12.1	0.000003	**-0.0021**	ug/L
ê	Mo	98	21	24	5	21.0	0.000002	**0.0020**	ug/L
ê	Ag	107	7	7	3	37.8	-0.000000	**-0.0008**	ug/L
ê	Ag	109	7	9	2	16.4	0.000002	**-0.0002**	ug/L
ê	Cd	111	4	2	2	89.2	-0.000001	**-0.0004**	ug/L
ê	Cd	114	28	34	7	19.9	0.000004	**0.0003**	ug/L
ê>	In	115	1125822	1164224	16827	1.4	1164223.741423		ug/L
ê	Sb	121	11	19	7	34.4	0.000006	**0.0007**	ug/L
ë	Ba	138	82	84	7	8.5	-0.000001	**0.0000**	ug/L
é>	Tm	169	1024880	1038121	2691	0.3	1038120.675792		ug/L
ê	Tl	205	13	18	6	32.0	0.000005	**-0.0005**	ug/L
ë	Pb	208	43	47	13	26.8	0.000004	**-0.0009**	ug/L

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C	13	35331	35394	583	1.6	62.826074	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	104.665
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	102.625
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	103.411
	Sb	121	
	Ba	138	
>	Tm	169	101.292
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL1
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 15:16:09
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 101

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-IBL1.021
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	19	9	46.8	0.000002	**-0.0085**	ug/L
ê	Na	23	8305	9202	219	2.4	0.000508	**0.0319**	ug/L
ê	Mg	24	238	275	9	3.2	0.000025	**-0.5315**	ug/L
ê	Al	27	1225	1287	52	4.0	0.000012	**-0.4069**	ug/L
ê	K	39	619876	610508	5115	0.8	-0.030878	**-1.1448**	ug/L
ê	Ca	44	4789	4507	77	1.7	-0.000428	**-0.9105**	ug/L
ê>	Sc	45	1065884	1108633	2777	0.3	1108633.387158		ug/L
ê	Cr	52	14356	14972	332	2.2	0.000037	**0.0001**	ug/L
ê	Cr	53	67	75	8	10.1	0.000004	**-0.0011**	ug/L
ê	Mn	55	1312	1268	20	1.5	-0.000087	**-0.0089**	ug/L
ê	Fe	54	134900	136470	660	0.5	-0.003464	**-5.0428**	ug/L
ê	Fe	57	10869	11059	276	2.5	-0.000222	**-1.7930**	ug/L
ê	Co	59	68	55	8	14.7	-0.000014	**-0.0103**	ug/L
ê	Ni	60	48	46	2	5.0	-0.000003	**-0.0171**	ug/L
ë	Ni	62	71	83	8	9.1	0.000009	**-0.0141**	ug/L
é	Cu	65	10	16	2	14.7	0.000005	**-0.0101**	ug/L
ê	Cu	63	35	29	5	16.8	-0.000006	**-0.0126**	ug/L
ê	Zn	66	45	48	7	14.6	0.000002	**-0.0038**	ug/L
ê	Zn	68	382	381	18	4.8	-0.000010	**-0.0004**	ug/L
ê>	Ge	74	1032763	1059592	20707	2.0	1059591.821243		ug/L
ë	As	75	-107	-121	47	38.8	-0.000010	**-0.0083**	ug/L
é	Se	77	103	103	13	12.9	-0.000002	**0.0452**	ug/L
ê	Se	82	18	17	5	26.0	-0.000001	**0.0390**	ug/L
ê	Mo	95	12	17	3	17.6	0.000005	**0.0017**	ug/L
ê	Mo	97	9	9	4	48.4	0.000000	**-0.0032**	ug/L
ê	Mo	98	21	24	2	7.0	0.000002	**0.0021**	ug/L
ê	Ag	107	7	6	2	28.9	-0.000001	**-0.0008**	ug/L
ê	Ag	109	7	8	4	45.8	0.000000	**-0.0003**	ug/L
ê	Cd	111	4	3	1	33.3	-0.000001	**-0.0002**	ug/L
ê	Cd	114	28	25	4	15.6	-0.000003	**-0.0005**	ug/L
ê>	In	115	1125822	1150836	15196	1.3	1150836.105627		ug/L
ê	Sb	121	11	13	4	32.9	0.000001	**0.0002**	ug/L
ë	Ba	138	82	78	8	9.7	-0.000005	**-0.0001**	ug/L
é>	Tm	169	1024880	1037848	20008	1.9	1037848.140616		ug/L
ê	Tl	205	13	17	5	30.6	0.000003	**-0.0006**	ug/L
ë	Pb	208	43	38	9	23.4	-0.000005	**-0.0011**	ug/L

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C	13	35331	35031	128	0.4	-300.742614	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	104.011
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	102.598
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	102.222
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	101.265
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL2
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 15:20:02
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 102

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-IBL2.022
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	20	4	17.9	0.000003	**-0.0081**	ug/L
ê	Na	23	8305	12291	88	0.7	0.003299	**0.1679**	ug/L
ê	Mg	24	238	262	7	2.5	0.000013	**-0.5324**	ug/L
ê	Al	27	1225	1279	53	4.1	0.000004	**-0.4074**	ug/L
ê	K	39	619876	615345	4360	0.7	-0.026347	**-0.9539**	ug/L
ê	Ca	44	4789	4560	137	3.0	-0.000379	**-0.8307**	ug/L
ê>	Sc	45	1065884	1108329	10882	1.0	1108329.409538		ug/L
ê	Cr	52	14356	15176	244	1.6	0.000224	**0.0115**	ug/L
ê	Cr	53	67	77	7	9.4	0.000006	**0.0000**	ug/L
ê	Mn	55	1312	1248	31	2.5	-0.000105	**-0.0098**	ug/L
ê	Fe	54	134900	139747	1868	1.3	-0.000457	**-2.3717**	ug/L
ê	Fe	57	10869	11339	208	1.8	0.000033	**-1.2150**	ug/L
ê	Co	59	68	58	4	6.1	-0.000011	**-0.0102**	ug/L
ê	Ni	60	48	52	8	16.0	0.000002	**-0.0157**	ug/L
ë	Ni	62	71	83	6	6.9	0.000009	**-0.0141**	ug/L
é	Cu	65	10	11	2	14.3	0.000000	**-0.0111**	ug/L
ê	Cu	63	35	39	11	27.9	0.000002	**-0.0117**	ug/L
ê	Zn	66	45	52	6	11.7	0.000006	**-0.0016**	ug/L
ê	Zn	68	382	389	16	4.2	-0.000001	**0.0064**	ug/L
ê>	Ge	74	1032763	1055931	14555	1.4	1055930.897514		ug/L
ë	As	75	-107	-133	13	10.0	-0.000021	**-0.0134**	ug/L
é	Se	77	103	109	6	5.6	0.000003	**0.0845**	ug/L
ê	Se	82	18	20	5	25.2	0.000002	**0.0508**	ug/L
ê	Mo	95	12	14	5	32.7	0.000002	**0.0010**	ug/L
ê	Mo	97	9	9	3	35.3	-0.000000	**-0.0034**	ug/L
ê	Mo	98	21	29	9	32.6	0.000006	**0.0027**	ug/L
ê	Ag	107	7	8	2	21.7	0.000001	**-0.0007**	ug/L
ê	Ag	109	7	6	1	16.7	-0.000001	**-0.0004**	ug/L
ê	Cd	111	4	4	3	66.6	0.000000	**0.0001**	ug/L
ê	Cd	114	28	38	2	4.0	0.000008	**0.0008**	ug/L
ê>	In	115	1125822	1153689	6488	0.6	1153689.103137		ug/L
ê	Sb	121	11	12	5	43.3	0.000000	**0.0002**	ug/L
ë	Ba	138	82	77	13	16.8	-0.000006	**-0.0001**	ug/L
é>	Tm	169	1024880	1041959	10322	1.0	1041958.979993		ug/L
ê	Tl	205	13	10	5	52.9	-0.000003	**-0.0008**	ug/L
ë	Pb	208	43	44	6	13.2	0.000001	**-0.0009**	ug/L

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C	13	35331	35706	225	0.6	374.593735	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	103.982
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	102.243
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	102.475
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	101.666
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL3
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 15:23:56
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 103

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-IBL3.023
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	15	3	19.9	-0.000001	**-0.0106**	ug/L
ê	Na	23	8305	9478	96	1.0	0.000723	**0.0424**	ug/L
ê	Mg	24	238	378	18	4.9	0.000116	**-0.5247**	ug/L
ê	Al	27	1225	1350	67	4.9	0.000064	**-0.4041**	ug/L
ê	K	39	619876	614071	1275	0.2	-0.029894	**-1.1033**	ug/L
ê	Ca	44	4789	4489	29	0.7	-0.000460	**-0.9644**	ug/L
ê>	Sc	45	1065884	1113315	19258	1.7	1113315.185480		ug/L
ê	Cr	52	14356	15164	588	3.9	0.000151	**0.0070**	ug/L
ê	Cr	53	67	71	14	20.1	0.000000	**-0.0030**	ug/L
ê	Mn	55	1312	1182	61	5.2	-0.000169	**-0.0128**	ug/L
ê	Fe	54	134900	137025	1161	0.8	-0.003471	**-5.0488**	ug/L
ê	Fe	57	10869	11149	123	1.1	-0.000180	**-1.6980**	ug/L
ê	Co	59	68	63	3	4.0	-0.000007	**-0.0100**	ug/L
ê	Ni	60	48	52	7	13.4	0.000001	**-0.0159**	ug/L
ë	Ni	62	71	75	3	4.3	0.000001	**-0.0261**	ug/L
é	Cu	65	10	17	5	26.0	0.000007	**-0.0097**	ug/L
ê	Cu	63	35	28	5	17.8	-0.000007	**-0.0126**	ug/L
ê	Zn	66	45	46	2	3.3	0.000001	**-0.0041**	ug/L
ê	Zn	68	382	372	18	4.9	-0.000011	**-0.0008**	ug/L
ê>	Ge	74	1032763	1036140	7725	0.7	1036139.764200		ug/L
ë	As	75	-107	-147	82	55.6	-0.000038	**-0.0208**	ug/L
é	Se	77	103	115	14	12.1	0.000006	**0.1142**	ug/L
ê	Se	82	18	16	12	73.5	-0.000002	**0.0328**	ug/L
ê	Mo	95	12	15	5	35.3	0.000002	**0.0012**	ug/L
ê	Mo	97	9	6	2	32.9	-0.000002	**-0.0042**	ug/L
ê	Mo	98	21	22	2	11.1	0.000000	**0.0018**	ug/L
ê	Ag	107	7	7	2	20.8	0.000000	**-0.0007**	ug/L
ê	Ag	109	7	5	2	40.0	-0.000002	**-0.0005**	ug/L
ê	Cd	111	4	3	1	34.6	-0.000000	**-0.0002**	ug/L
ê	Cd	114	28	32	5	14.5	0.000003	**0.0001**	ug/L
ê>	In	115	1125822	1172831	6848	0.6	1172831.305084		ug/L
ê	Sb	121	11	12	2	16.9	0.000000	**0.0002**	ug/L
ë	Ba	138	82	70	6	7.9	-0.000013	**-0.0003**	ug/L
é>	Tm	169	1024880	1041385	10780	1.0	1041384.833612		ug/L
ê	Tl	205	13	15	3	19.7	0.000001	**-0.0006**	ug/L
ë	Pb	208	43	48	2	4.3	0.000005	**-0.0008**	ug/L

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C	13	35331	35574	321	0.9	242.933772	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	104.450
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	100.327
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	104.176
	Sb	121	
	Ba	138	
>	Tm	169	101.610
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL4

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 15:27:50
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 104

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-IBL4.024
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	14	3	21.3	-0.000002	**-0.0112**	ug/L
ê	Na	23	8305	17059	486	2.9	0.007555	**0.3752**	ug/L
ê	Mg	24	238	267	22	8.2	0.000018	**-0.5321**	ug/L
ê	Al	27	1225	1446	155	10.7	0.000150	**-0.3994**	ug/L
ê	K	39	619876	614039	4040	0.7	-0.028905	**-1.0616**	ug/L
ê	Ca	44	4789	4491	144	3.2	-0.000453	**-0.9521**	ug/L
ê>	Sc	45	1065884	1111692	36315	3.3	1111691.825325		ug/L
ê	Cr	52	14356	14934	480	3.2	-0.000027	**-0.0038**	ug/L
ê	Cr	53	67	74	10	13.6	0.000003	**-0.0014**	ug/L
ê	Mn	55	1312	1178	25	2.1	-0.000170	**-0.0128**	ug/L
ê	Fe	54	134900	139429	2264	1.6	-0.001088	**-2.9326**	ug/L
ê	Fe	57	10869	10852	54	0.5	-0.000429	**-2.2632**	ug/L
ê	Co	59	68	49	7	14.9	-0.000019	**-0.0106**	ug/L
ê	Ni	60	48	43	14	33.1	-0.000006	**-0.0177**	ug/L
ë	Ni	62	71	80	6	6.9	0.000006	**-0.0188**	ug/L
é	Cu	65	10	12	5	38.2	0.000002	**-0.0108**	ug/L
ê	Cu	63	35	26	7	26.7	-0.000009	**-0.0129**	ug/L
ê	Zn	66	45	49	6	12.4	0.000003	**-0.0031**	ug/L
ê	Zn	68	382	368	35	9.4	-0.000019	**-0.0068**	ug/L
ê>	Ge	74	1032763	1050707	13657	1.3	1050706.818060		ug/L
ë	As	75	-107	-159	31	19.3	-0.000047	**-0.0253**	ug/L
é	Se	77	103	114	5	4.4	0.000006	**0.1153**	ug/L
ê	Se	82	18	6	3	40.2	-0.000010	**-0.0108**	ug/L
ê	Mo	95	12	16	4	21.5	0.000004	**0.0015**	ug/L
ê	Mo	97	9	12	4	30.1	0.000002	**-0.0024**	ug/L
ê	Mo	98	21	23	9	37.9	0.000001	**0.0019**	ug/L
ê	Ag	107	7	9	1	13.3	0.000001	**-0.0007**	ug/L
ê	Ag	109	7	5	3	52.9	-0.000002	**-0.0005**	ug/L
ê	Cd	111	4	1	1	43.3	-0.000002	**-0.0006**	ug/L
ê	Cd	114	28	31	3	11.1	0.000001	**0.0000**	ug/L
ê>	In	115	1125822	1157483	13827	1.2	1157483.454947		ug/L
ê	Sb	121	11	8	1	15.1	-0.000003	**-0.0002**	ug/L
ë	Ba	138	82	85	9	10.6	-0.000000	**0.0001**	ug/L
é>	Tm	169	1024880	1044022	9213	0.9	1044022.301781		ug/L
ê	Tl	205	13	12	5	43.1	-0.000002	**-0.0007**	ug/L
ë	Pb	208	43	47	8	17.3	0.000003	**-0.0009**	ug/L

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C	13	35331	35125	408	1.2	-206.508164	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	104.298
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	101.737
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	102.812
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	101.868
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV1
Sample Description: 5x
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 15:31:43
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 105

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-SCV1.025
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	1001	50	5.0	0.000909	**2.7862**	ug/L
ê	Na	23	8305	13246132	136131	1.0	12.222404	**2977.3595**	ug/L
ê	Mg	24	238	2960488	33401	1.1	2.733201	**1016.5950**	ug/L
ê	Al	27	1225	213659	5154	2.4	0.196112	**51.3689**	ug/L
ê	K	39	619876	3552531	69448	2.0	2.698606	**569.2440**	ug/L
ê	Ca	44	4789	735862	15567	2.1	0.674940	**5540.4589**	ug/L
ê>	Sc	45	1065884	1083088	7921	0.7	1083088.201529		ug/L
ê	Cr	52	14356	149439	1026	0.7	0.124509	**37.8071**	ug/L
ê	Cr	53	67	16164	198	1.2	0.014862	**39.9923**	ug/L
ê	Mn	55	1312	183499	2516	1.4	0.168199	**39.1863**	ug/L
ê	Fe	54	134900	131817	1149	0.9	-0.004858	**-31.4051**	ug/L
ê	Fe	57	10869	13114	380	2.9	0.001911	**15.2117**	ug/L
ê	Co	59	68	82281	926	1.1	0.075910	**19.7273**	ug/L
ê	Ni	60	48	22568	123	0.5	0.020793	**24.5217**	ug/L
ë	Ni	62	71	3419	130	3.8	0.003090	**24.5924**	ug/L
é	Cu	65	10	80106	748	0.9	0.077239	**85.3796**	ug/L
ê	Cu	63	35	167340	712	0.4	0.161331	**84.1795**	ug/L
ê	Zn	66	45	22412	191	0.9	0.021568	**55.2006**	ug/L
ê	Zn	68	382	17901	393	2.2	0.016895	**62.5144**	ug/L
ê>	Ge	74	1032763	1037098	10463	1.0	1037098.069595		ug/L
ë	As	75	-107	3828	187	4.9	0.003796	**8.7379**	ug/L
é	Se	77	103	662	32	4.8	0.000485	**20.2520**	ug/L
ê	Se	82	18	933	17	1.8	0.000798	**20.7517**	ug/L
ê	Mo	95	12	44605	578	1.3	0.038860	**46.7982**	ug/L
ê	Mo	97	9	29112	735	2.5	0.025360	**48.2659**	ug/L
ê	Mo	98	21	76547	233	0.3	0.066682	**47.5627**	ug/L
ê	Ag	107	7	31186	195	0.6	0.027169	**8.3303**	ug/L
ê	Ag	109	7	32828	500	1.5	0.028600	**8.2354**	ug/L
ê	Cd	111	4	3429	98	2.9	0.002984	**3.9343**	ug/L
ê	Cd	114	28	7923	67	0.8	0.006879	**3.8767**	ug/L
ê>	In	115	1125822	1147658	8799	0.8	1147658.246577		ug/L
ê	Sb	121	11	12565	118	0.9	0.010939	**4.9489**	ug/L
ë	Ba	138	82	1207408	10192	0.8	1.052027	**141.4150**	ug/L
é>	Tm	169	1024880	1028016	6864	0.7	1028016.285058		ug/L
ê	Tl	205	13	10589	241	2.3	0.010287	**1.6325**	ug/L
ë	Pb	208	43	101750	1308	1.3	0.098933	**12.1269**	ug/L

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C	13	35331	39432	129	0.3	4101.040253	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	101.614
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	100.420
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	101.940
	Sb	121	
	Ba	138	
>	Tm	169	100.306
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV2
Sample Description: 5x
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 15:44:47
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 404

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-SCV2.026
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	1091	26	2.4	0.000973	**2.9865**	ug/L
ê	Na	23	8305	13578718	91580	0.7	12.297797	**2995.7249**	ug/L
ê	Mg	24	238	2999520	33020	1.1	2.718117	**1010.9698**	ug/L
ê	Al	27	1225	214739	5932	2.8	0.193407	**50.6321**	ug/L
ê	K	39	619876	3598619	48729	1.4	2.679426	**565.2037**	ug/L
ê	Ca	44	4789	739870	24979	3.4	0.665777	**5465.2241**	ug/L
ê>	Sc	45	1065884	1103671	22675	2.1	1103670.541827		ug/L
ê	Cr	52	14356	155019	2506	1.6	0.127059	**38.5819**	ug/L
ê	Cr	53	67	16306	437	2.7	0.014715	**39.5973**	ug/L
ê	Mn	55	1312	186050	2801	1.5	0.167398	**38.9996**	ug/L
ê	Fe	54	134900	132857	2104	1.6	-0.006131	**-37.0603**	ug/L
ê	Fe	57	10869	13553	308	2.3	0.002090	**17.2414**	ug/L
ê	Co	59	68	83155	672	0.8	0.075307	**19.5702**	ug/L
ê	Ni	60	48	22799	480	2.1	0.020619	**24.3155**	ug/L
ë	Ni	62	71	3379	88	2.6	0.002997	**23.8461**	ug/L
é	Cu	65	10	80726	988	1.2	0.076705	**84.7891**	ug/L
ê	Cu	63	35	170941	4228	2.5	0.162373	**84.7232**	ug/L
ê	Zn	66	45	22553	136	0.6	0.021390	**54.7449**	ug/L
ê	Zn	68	382	18164	69	0.4	0.016890	**62.4980**	ug/L
ê>	Ge	74	1032763	1052700	24089	2.3	1052700.082350		ug/L
ë	As	75	-107	3898	116	3.0	0.003808	**8.7664**	ug/L
é	Se	77	103	682	26	3.8	0.000511	**21.3100**	ug/L
ê	Se	82	18	960	14	1.4	0.000832	**21.6300**	ug/L
ê	Mo	95	12	45163	713	1.6	0.039871	**48.0153**	ug/L
ê	Mo	97	9	28915	290	1.0	0.025524	**48.5775**	ug/L
ê	Mo	98	21	78093	865	1.1	0.068928	**49.1644**	ug/L
ê	Ag	107	7	31485	297	0.9	0.027795	**8.5224**	ug/L
ê	Ag	109	7	32455	72	0.2	0.028650	**8.2498**	ug/L
ê	Cd	111	4	3395	29	0.8	0.002995	**3.9482**	ug/L
ê	Cd	114	28	7941	86	1.1	0.006987	**3.9374**	ug/L
ê>	In	115	1125822	1132670	15029	1.3	1132669.719547		ug/L
ê	Sb	121	11	12661	109	0.9	0.011169	**5.0529**	ug/L
ë	Ba	138	82	1209792	11112	0.9	1.068061	**143.5703**	ug/L
é>	Tm	169	1024880	1020375	9242	0.9	1020375.037094		ug/L
ê	Tl	205	13	10638	198	1.9	0.010412	**1.6525**	ug/L
ë	Pb	208	43	102910	1459	1.4	0.100811	**12.3572**	ug/L

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C	13	35331	40211	247	0.6	4879.874437	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	103.545
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	101.930
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	100.608
	Sb	121	
	Ba	138	
>	Tm	169	99.560
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV3
Sample Description: 5x
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 15:48:41
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 404

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-SCV3.027
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	1079	40	3.7	0.000957	**2.9364**	ug/L
ê	Na	23	8305	13736497	239959	1.7	12.368646	**3012.9834**	ug/L
ê	Mg	24	238	3063552	65378	2.1	2.760100	**1026.6261**	ug/L
ê	Al	27	1225	217500	4109	1.9	0.194803	**51.0123**	ug/L
ê	K	39	619876	3628938	37410	1.0	2.687980	**567.0057**	ug/L
ê	Ca	44	4789	744430	4196	0.6	0.666235	**5468.9901**	ug/L
ê>	Sc	45	1065884	1109919	7771	0.7	1109918.766825		ug/L
ê	Cr	52	14356	152586	1366	0.9	0.124012	**37.6562**	ug/L
ê	Cr	53	67	16344	275	1.7	0.014662	**39.4528**	ug/L
ê	Mn	55	1312	185055	4170	2.3	0.165498	**38.5565**	ug/L
ê	Fe	54	134900	136173	2055	1.5	-0.003876	**-27.0422**	ug/L
ê	Fe	57	10869	13742	93	0.7	0.002184	**18.3153**	ug/L
ê	Co	59	68	85416	1304	1.5	0.076890	**19.9827**	ug/L
ê	Ni	60	48	23166	258	1.1	0.020828	**24.5626**	ug/L
ë	Ni	62	71	3432	57	1.7	0.003026	**24.0785**	ug/L
é	Cu	65	10	82279	712	0.9	0.077955	**86.1715**	ug/L
ê	Cu	63	35	174149	1603	0.9	0.165002	**86.0960**	ug/L
ê	Zn	66	45	22859	501	2.2	0.021614	**55.3183**	ug/L
ê	Zn	68	382	17988	244	1.4	0.016676	**61.7058**	ug/L
ê>	Ge	74	1032763	1055401	13729	1.3	1055400.986495		ug/L
ë	As	75	-107	4103	113	2.8	0.003993	**9.1913**	ug/L
é	Se	77	103	670	42	6.3	0.000497	**20.7229**	ug/L
ê	Se	82	18	998	11	1.1	0.000860	**22.3631**	ug/L
ê	Mo	95	12	44700	466	1.0	0.039209	**47.2182**	ug/L
ê	Mo	97	9	28243	546	1.9	0.024773	**47.1480**	ug/L
ê	Mo	98	21	77190	713	0.9	0.067710	**48.2955**	ug/L
ê	Ag	107	7	31080	485	1.6	0.027260	**8.3584**	ug/L
ê	Ag	109	7	32904	552	1.7	0.028860	**8.3101**	ug/L
ê	Cd	111	4	3372	60	1.8	0.002955	**3.8952**	ug/L
ê	Cd	114	28	8027	177	2.2	0.007017	**3.9545**	ug/L
ê>	In	115	1125822	1139850	11851	1.0	1139849.677948		ug/L
ê	Sb	121	11	12750	121	0.9	0.011176	**5.0561**	ug/L
ë	Ba	138	82	1210538	19957	1.6	1.062054	**142.7628**	ug/L
é>	Tm	169	1024880	1029690	9073	0.9	1029690.020441		ug/L
ê	Tl	205	13	10841	173	1.6	0.010517	**1.6692**	ug/L
ë	Pb	208	43	103539	832	0.8	0.100521	**12.3216**	ug/L

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C	13	35331	41332	245	0.6	6001.067486	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	104.131
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	102.192
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	101.246
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	100.469
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV4
Sample Description: 5x
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 15:55:14
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 106

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-SCV4.028
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	25	4	16.4	0.000008	**-0.0237**	ug/L
ê	Na	23	8305	637277	12425	1.9	0.591606	**144.1484**	ug/L
ê	Mg	24	238	30705433	672358	2.2	28.880773	**10767.5161**	ug/L
ê	Al	27	1225	29363	443	1.5	0.026469	**5.1702**	ug/L
ê	K	39	619876	664976	16049	2.4	0.043915	**10.0313**	ug/L
ê	Ca	44	4789	6722274	91155	1.4	6.318217	**51873.8040**	ug/L
ê>	Sc	45	1065884	1063252	5120	0.5	1063251.551021		ug/L
ê	Cr	52	14356	15964	333	2.1	0.001547	**0.4592**	ug/L
ê	Cr	53	67	1085	18	1.6	0.000958	**2.5614**	ug/L
ê	Mn	55	1312	5628	389	6.9	0.004062	**0.9224**	ug/L
ê	Fe	54	134900	122307	4152	3.4	-0.011526	**-61.0255**	ug/L
ê	Fe	57	10869	8115	544	6.7	-0.002563	**-35.5032**	ug/L
ê	Co	59	68	325	4	1.1	0.000242	**0.0150**	ug/L
ê	Ni	60	48	-1291	26	2.0	-0.001260	**-1.5716**	ug/L
ë	Ni	62	71	116	10	8.2	0.000043	**0.2010**	ug/L
é	Cu	65	10	343	14	3.9	0.000319	**0.2969**	ug/L
ê	Cu	63	35	539	5	1.0	0.000483	**0.1926**	ug/L
ê	Zn	66	45	374	26	7.0	0.000315	**0.7842**	ug/L
ê	Zn	68	382	553	4	0.7	0.000160	**0.6300**	ug/L
ê>	Ge	74	1032763	1042252	14325	1.4	1042252.328708		ug/L
ë	As	75	-107	-91	22	24.0	0.000017	**0.0208**	ug/L
é	Se	77	103	167	18	10.5	0.000055	**2.5644**	ug/L
ê	Se	82	18	23	15	66.5	0.000005	**0.3294**	ug/L
ê	Mo	95	12	13	2	13.3	0.000001	**0.0043**	ug/L
ê	Mo	97	9	10	2	15.8	0.000001	**-0.0149**	ug/L
ê	Mo	98	21	21	4	18.5	-0.000000	**0.0088**	ug/L
ê	Ag	107	7	8	1	15.1	0.000001	**-0.0036**	ug/L
ê	Ag	109	7	5	4	75.3	-0.000002	**-0.0023**	ug/L
ê	Cd	111	4	31	3	11.2	0.000024	**0.0314**	ug/L
ê	Cd	114	28	96	9	9.5	0.000059	**0.0326**	ug/L
ê>	In	115	1125822	1137636	8106	0.7	1137636.021549		ug/L
ê	Sb	121	11	65	2	2.4	0.000047	**0.0218**	ug/L
ë	Ba	138	82	11240	116	1.0	0.009808	**1.3188**	ug/L
é>	Tm	169	1024880	1033981	15304	1.5	1033981.485375		ug/L
ê	Tl	205	13	85	7	7.6	0.000070	**0.0077**	ug/L
ë	Pb	208	43	776	45	5.8	0.000708	**0.0821**	ug/L

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C	13	35331	39171	603	1.5	3839.329803	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	99.753
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	100.919
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	101.049
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	100.888
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV5

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 15:59:09
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 107

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-SCV5.029
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	7153	30	0.4	0.006505	**4.0484**	ug/L
ê	Na	23	8305	43841799	604637	1.4	39.955744	**1946.6157**	ug/L
ê	Mg	24	238	11576249	173192	1.5	10.551834	**786.4620**	ug/L
ê	Al	27	1225	4074885	17276	0.4	3.713203	**201.8343**	ug/L
ê	K	39	619876	10780267	158780	1.5	9.244793	**389.6407**	ug/L
ê	Ca	44	4789	6479420	22261	0.3	5.901684	**9690.7838**	ug/L
ê>	Sc	45	1065884	1097065	1907	0.2	1097064.712326		ug/L
ê	Cr	52	14356	854908	9590	1.1	0.765807	**46.5185**	ug/L
ê	Cr	53	67	98412	1077	1.1	0.089642	**48.2594**	ug/L
ê	Mn	55	1312	230871	10462	4.5	0.209221	**9.7498**	ug/L
ê	Fe	54	134900	1330374	44344	3.3	1.086138	**962.9000**	ug/L
ê	Fe	57	10869	483814	14218	2.9	0.430817	**975.5745**	ug/L
ê	Co	59	68	203798	8990	4.4	0.185708	**9.6662**	ug/L
ê	Ni	60	48	88672	3450	3.9	0.080783	**19.1005**	ug/L
ë	Ni	62	71	13258	362	2.7	0.012019	**19.2090**	ug/L
é	Cu	65	10	90348	1342	1.5	0.086145	**19.0463**	ug/L
ê	Cu	63	35	192898	2602	1.3	0.183913	**19.1941**	ug/L
ê	Zn	66	45	39816	270	0.7	0.037927	**19.4174**	ug/L
ê	Zn	68	382	27958	459	1.6	0.026290	**19.4522**	ug/L
ê>	Ge	74	1032763	1048645	4944	0.5	1048644.878304		ug/L
ë	As	75	-107	43728	659	1.5	0.041804	**19.2802**	ug/L
é	Se	77	103	5364	98	1.8	0.004515	**37.1836**	ug/L
ê	Se	82	18	8135	133	1.6	0.006971	**35.9458**	ug/L
ê	Mo	95	12	9195	272	3.0	0.007885	**1.8997**	ug/L
ê	Mo	97	9	5867	53	0.9	0.005031	**1.9123**	ug/L
ê	Mo	98	21	15294	273	1.8	0.013116	**1.8724**	ug/L
ê	Ag	107	7	65681	794	1.2	0.056399	**3.4593**	ug/L
ê	Ag	109	7	69583	671	1.0	0.059745	**3.4411**	ug/L
ê	Cd	111	4	8516	146	1.7	0.007310	**1.9273**	ug/L
ê	Cd	114	28	19836	353	1.8	0.017007	**1.9171**	ug/L
ê>	In	115	1125822	1164642	13028	1.1	1164642.193688		ug/L
ê	Sb	121	11	49254	182	0.4	0.042285	**3.8256**	ug/L
ë	Ba	138	82	405937	4483	1.1	0.348519	**9.3697**	ug/L
é>	Tm	169	1024880	1047537	8353	0.8	1047536.796248		ug/L
ê	Tl	205	13	32759	275	0.8	0.031259	**0.9936**	ug/L
ë	Pb	208	43	421238	3436	0.8	0.402082	**9.8602**	ug/L

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C	13	35331	37860	610	1.6	2529.138086	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	102.925
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	101.538
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	103.448
	Sb	121	
	Ba	138	
>	Tm	169	102.211
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IFA1
Sample Description: 200x
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 16:03:02
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 0.05
Autosampler Position: 108

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-IFA1.030
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	15	1	6.7	-0.000001	**-2.1417**	ug/L
ê	Na	23	8305	53982839	871855	1.6	49.094204	**478366.6847**	ug/L
ê	Mg	24	238	35682258	703723	2.0	32.454615	**484010.7507**	ug/L
ê	Al	27	1225	48790479	809619	1.7	44.378223	**483335.9815**	ug/L
ê	K	39	619876	62550940	316341	0.5	56.315143	**474544.4071**	ug/L
ê	Ca	44	4789	1575851	29867	1.9	1.428815	**469201.7121**	ug/L
ê>	Sc	45	1065884	1099424	7098	0.6	1099423.764379		ug/L
ê	Cr	52	14356	14000	601	4.3	-0.000735	**-9.3616**	ug/L
ê	Cr	53	67	694	62	8.9	0.000568	**60.5457**	ug/L
ê	Mn	55	1312	4336	241	5.6	0.002713	**24.3179**	ug/L
ê	Fe	54	134900	3123754	66456	2.1	2.714832	**481948.5652**	ug/L
ê	Fe	57	10869	1170442	6332	0.5	1.054409	**477909.7265**	ug/L
ê	Co	59	68	1028	6	0.6	0.000872	**7.1594**	ug/L
ê	Ni	60	48	-207	35	16.9	-0.000233	**-14.2858**	ug/L
ë	Ni	62	71	254	30	11.9	0.000164	**47.0462**	ug/L
é	Cu	65	10	251	16	6.3	0.000226	**7.7351**	ug/L
ê	Cu	63	35	980	56	5.7	0.000885	**16.0958**	ug/L
ê	Zn	66	45	315	6	2.0	0.000252	**24.8484**	ug/L
ê	Zn	68	382	432	10	2.4	0.000035	**6.6382**	ug/L
ê>	Ge	74	1032763	1067002	21207	2.0	1067001.789378		ug/L
ë	As	75	-107	-75	21	27.6	0.000034	**2.4394**	ug/L
é	Se	77	103	149	10	6.4	0.000038	**74.4541**	ug/L
ê	Se	82	18	26	7	25.6	0.000007	**15.1775**	ug/L
ê	Mo	95	12	237525	4181	1.8	0.206456	**9944.6994**	ug/L
ê	Mo	97	9	156900	2255	1.4	0.136369	**10384.5560**	ug/L
ê	Mo	98	21	422818	17380	4.1	0.367489	**10483.1998**	ug/L
ê	Ag	107	7	179	14	7.6	0.000149	**1.6796**	ug/L
ê	Ag	109	7	181	5	2.8	0.000151	**1.6696**	ug/L
ê	Cd	111	4	277	10	3.4	0.000237	**12.4997**	ug/L
ê	Cd	114	28	511	23	4.4	0.000419	**9.4118**	ug/L
ê>	In	115	1125822	1150542	9258	0.8	1150542.467886		ug/L
ê	Sb	121	11	330	12	3.5	0.000277	**5.0342**	ug/L
ë	Ba	138	82	7438	104	1.4	0.006392	**34.3843**	ug/L
é>	Tm	169	1024880	1046408	16760	1.6	1046408.172805		ug/L
ê	Tl	205	13	126	9	6.8	0.000107	**0.5453**	ug/L
ë	Pb	208	43	638	33	5.2	0.000568	**2.5948**	ug/L

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C	13	35331	41506	115	0.3	6174.568348	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	103.147
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	103.315
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	102.196
	Sb	121	
	Ba	138	
>	Tm	169	102.101
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IFB1
Sample Description: 200x
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 16:06:56
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 0.05
Autosampler Position: 109

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-IFB1.031
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	22	4	18.1	0.000006	**-1.2844**	ug/L
ê	Na	23	8305	53758980	426961	0.8	49.377358	**481125.6872**	ug/L
ê	Mg	24	238	35145558	295454	0.8	32.286742	**481506.6342**	ug/L
ê	Al	27	1225	47831174	737568	1.5	43.941115	**478574.5055**	ug/L
ê	K	39	619876	61202893	252078	0.4	55.643321	**468883.6116**	ug/L
ê	Ca	44	4789	1588913	37941	2.4	1.455105	**477835.9864**	ug/L
ê>	Sc	45	1065884	1088557	6376	0.6	1088557.208973		ug/L
ê	Cr	52	14356	21495	330	1.5	0.006278	**75.8535**	ug/L
ê	Cr	53	67	1645	22	1.3	0.001448	**155.2368**	ug/L
ê	Mn	55	1312	14741	203	1.4	0.012312	**113.8271**	ug/L
ê	Fe	54	134900	2999642	13330	0.4	2.629143	**466724.2136**	ug/L
ê	Fe	57	10869	1153180	10319	0.9	1.049191	**475543.2556**	ug/L
ê	Co	59	68	20610	876	4.2	0.018868	**194.6876**	ug/L
ê	Ni	60	48	4038	55	1.4	0.003664	**170.1803**	ug/L
ë	Ni	62	71	890	16	1.8	0.000751	**234.9249**	ug/L
é	Cu	65	10	2399	13	0.5	0.002313	**100.0793**	ug/L
ê	Cu	63	35	5691	150	2.6	0.005476	**111.9947**	ug/L
ê	Zn	66	45	1384	35	2.5	0.001296	**131.8283**	ug/L
ê	Zn	68	382	1155	38	3.3	0.000749	**112.2416**	ug/L
ê>	Ge	74	1032763	1032890	11686	1.1	1032889.535093		ug/L
ë	As	75	-107	940	45	4.7	0.001014	**92.8381**	ug/L
é	Se	77	103	204	7	3.3	0.000087	**156.0045**	ug/L
ê	Se	82	18	114	12	10.2	0.000085	**95.8036**	ug/L
ê	Mo	95	12	238037	2221	0.9	0.209266	**10080.0544**	ug/L
ê	Mo	97	9	155748	1847	1.2	0.136912	**10425.8456**	ug/L
ê	Mo	98	21	418789	8254	2.0	0.368135	**10501.6154**	ug/L
ê	Ag	107	7	9365	31	0.3	0.008227	**100.7997**	ug/L
ê	Ag	109	7	9696	99	1.0	0.008518	**98.0651**	ug/L
ê	Cd	111	4	1271	13	1.0	0.001114	**58.7621**	ug/L
ê	Cd	114	28	2777	59	2.1	0.002417	**54.4589**	ug/L
ê>	In	115	1125822	1137490	7830	0.7	1137490.319468		ug/L
ê	Sb	121	11	308	25	8.0	0.000261	**4.7503**	ug/L
ë	Ba	138	82	352	18	5.2	0.000237	**1.2891**	ug/L
é>	Tm	169	1024880	1035419	6628	0.6	1035419.235067		ug/L
ê	Tl	205	13	23	4	16.2	0.000010	**-0.0756**	ug/L
ë	Pb	208	43	739	20	2.7	0.000672	**3.1040**	ug/L

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C	13	35331	41241	407	1.0	5909.806765	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	102.127
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	100.012
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	101.036
	Sb	121	
	Ba	138	
>	Tm	169	101.028
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV1

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 16:30:24
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCV1.037
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	5175	33	0.6	0.004866	**3.0261**	ug/L
ê	Na	23	8305	6462157	52516	0.8	6.088190	**296.6184**	ug/L
ê	Mg	24	238	4250652	25855	0.6	4.009666	**298.5226**	ug/L
ê	Al	27	1225	579635	6270	1.1	0.545610	**29.3094**	ug/L
ê	K	39	619876	8082785	63282	0.8	7.043135	**296.8845**	ug/L
ê	Ca	44	4789	387827	6050	1.6	0.361340	**593.1383**	ug/L
ê>	Sc	45	1065884	1060155	14228	1.3	1060155.349840		ug/L
ê	Cr	52	14356	63325	780	1.2	0.046265	**2.8083**	ug/L
ê	Cr	53	67	5877	64	1.1	0.005481	**2.9475**	ug/L
ê	Mn	55	1312	28622	559	2.0	0.025773	**1.1968**	ug/L
ê	Fe	54	134900	240229	2866	1.2	0.100043	**86.9074**	ug/L
ê	Fe	57	10869	53910	811	1.5	0.040658	**90.8999**	ug/L
ê	Co	59	68	39464	825	2.1	0.037159	**1.9264**	ug/L
ê	Ni	60	48	17445	392	2.2	0.016409	**3.8667**	ug/L
ë	Ni	62	71	2582	54	2.1	0.002368	**3.7629**	ug/L
é	Cu	65	10	10881	53	0.5	0.010743	**2.3655**	ug/L
ê	Cu	63	35	22880	496	2.2	0.022573	**2.3453**	ug/L
ê	Zn	66	45	7861	10	0.1	0.007725	**3.9513**	ug/L
ê	Zn	68	382	5759	83	1.4	0.005322	**3.9438**	ug/L
ê>	Ge	74	1032763	1012033	16098	1.6	1012032.828645		ug/L
ë	As	75	-107	12571	189	1.5	0.012527	**5.7751**	ug/L
é	Se	77	103	1454	35	2.4	0.001190	**9.8434**	ug/L
ê	Se	82	18	2355	25	1.1	0.002061	**10.6551**	ug/L
ê	Mo	95	12	3063	78	2.5	0.002689	**0.6483**	ug/L
ê	Mo	97	9	1959	21	1.1	0.001719	**0.6514**	ug/L
ê	Mo	98	21	5412	55	1.0	0.004751	**0.6794**	ug/L
ê	Ag	107	7	7724	59	0.8	0.006802	**0.4165**	ug/L
ê	Ag	109	7	8134	116	1.4	0.007162	**0.4122**	ug/L
ê	Cd	111	4	1730	22	1.3	0.001522	**0.4013**	ug/L
ê	Cd	114	28	4063	80	2.0	0.003556	**0.4007**	ug/L
ê>	In	115	1125822	1134667	18597	1.6	1134667.450281		ug/L
ê	Sb	121	11	5009	71	1.4	0.004405	**0.3987**	ug/L
ë	Ba	138	82	41564	508	1.2	0.036563	**0.9830**	ug/L
é>	Tm	169	1024880	1023712	6106	0.6	1023712.218938		ug/L
ê	Tl	205	13	6761	216	3.2	0.006592	**0.2090**	ug/L
ë	Pb	208	43	21737	67	0.3	0.021193	**0.5188**	ug/L

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C	13	35331	34984	321	0.9	-347.521688	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	99.463
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	97.993
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	100.786
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	99.886
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB1

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 16:34:18
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCB1.038
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	10	1	10.0	-0.000006	**-0.0133**	ug/L
ê	Na	23	8305	8827	150	1.7	0.000579	**0.0353**	ug/L
ê	Mg	24	238	241	20	8.3	0.000005	**-0.5330**	ug/L
ê	Al	27	1225	1169	26	2.2	-0.000041	**-0.4098**	ug/L
ê	K	39	619876	594449	2157	0.4	-0.017716	**-0.5903**	ug/L
ê	Ca	44	4789	4161	62	1.5	-0.000546	**-1.1048**	ug/L
ê>	Sc	45	1065884	1054448	18364	1.7	1054447.756648		ug/L
ê	Cr	52	14356	13746	125	0.9	-0.000430	**-0.0283**	ug/L
ê	Cr	53	67	66	9	13.3	-0.000000	**-0.0034**	ug/L
ê	Mn	55	1312	1444	48	3.3	0.000139	**0.0016**	ug/L
ê	Fe	54	134900	129037	1866	1.4	-0.004152	**-5.6542**	ug/L
ê	Fe	57	10869	9705	149	1.5	-0.000991	**-3.5379**	ug/L
ê	Co	59	68	57	3	5.4	-0.000010	**-0.0101**	ug/L
ê	Ni	60	48	42	7	16.5	-0.000005	**-0.0174**	ug/L
ë	Ni	62	71	75	10	12.9	0.000005	**-0.0204**	ug/L
é	Cu	65	10	17	0	0.0	0.000007	**-0.0097**	ug/L
ê	Cu	63	35	34	10	30.6	-0.000001	**-0.0120**	ug/L
ê	Zn	66	45	41	10	24.3	-0.000004	**-0.0068**	ug/L
ê	Zn	68	382	352	27	7.5	-0.000028	**-0.0132**	ug/L
ê>	Ge	74	1032763	1030196	14132	1.4	1030196.086352		ug/L
ë	As	75	-107	-72	18	25.8	0.000034	**0.0124**	ug/L
é	Se	77	103	94	9	9.5	-0.000009	**-0.0123**	ug/L
ê	Se	82	18	23	2	9.0	0.000004	**0.0641**	ug/L
ê	Mo	95	12	17	5	30.8	0.000004	**0.0016**	ug/L
ê	Mo	97	9	11	4	39.6	0.000002	**-0.0025**	ug/L
ê	Mo	98	21	23	3	12.4	0.000002	**0.0020**	ug/L
ê	Ag	107	7	5	1	12.4	-0.000002	**-0.0009**	ug/L
ê	Ag	109	7	7	2	24.7	-0.000000	**-0.0003**	ug/L
ê	Cd	111	4	4	2	50.0	0.000000	**0.0000**	ug/L
ê	Cd	114	28	29	9	31.5	0.000001	**-0.0000**	ug/L
ê>	In	115	1125822	1137247	12064	1.1	1137246.777098		ug/L
ê	Sb	121	11	13	4	33.5	0.000001	**0.0003**	ug/L
ë	Ba	138	82	88	10	11.2	0.000004	**0.0002**	ug/L
é>	Tm	169	1024880	1034836	4719	0.5	1034835.689600		ug/L
ê	Tl	205	13	12	2	13.1	-0.000002	**-0.0007**	ug/L
ë	Pb	208	43	40	11	27.0	-0.000003	**-0.0010**	ug/L

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C	13	35331	35154	297	0.8	-177.104453	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	98.927
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	99.751
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	101.015
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	100.971
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV2

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 17:12:01
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCV2.047
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	5528	69	1.2	0.005115	**3.1809**	ug/L
ê	Na	23	8305	6834442	93471	1.4	6.334943	**308.6400**	ug/L
ê	Mg	24	238	4450440	24561	0.6	4.129401	**307.4528**	ug/L
ê	Al	27	1225	616209	5674	0.9	0.570657	**30.6736**	ug/L
ê	K	39	619876	8422668	39796	0.5	7.234543	**304.9486**	ug/L
ê	Ca	44	4789	398576	2341	0.6	0.365366	**599.7487**	ug/L
ê>	Sc	45	1065884	1077805	15844	1.5	1077804.782009		ug/L
ê	Cr	52	14356	65448	997	1.5	0.047260	**2.8688**	ug/L
ê	Cr	53	67	6015	67	1.1	0.005519	**2.9682**	ug/L
ê	Mn	55	1312	29229	535	1.8	0.025896	**1.2025**	ug/L
ê	Fe	54	134900	249460	7838	3.1	0.104941	**91.2582**	ug/L
ê	Fe	57	10869	57742	718	1.2	0.043390	**97.0962**	ug/L
ê	Co	59	68	42012	418	1.0	0.038917	**2.0181**	ug/L
ê	Ni	60	48	18401	195	1.1	0.017031	**4.0140**	ug/L
ë	Ni	62	71	2798	89	3.2	0.002529	**4.0199**	ug/L
é	Cu	65	10	11268	146	1.3	0.010799	**2.3777**	ug/L
ê	Cu	63	35	23998	226	0.9	0.022983	**2.3882**	ug/L
ê	Zn	66	45	8347	174	2.1	0.007964	**4.0734**	ug/L
ê	Zn	68	382	5828	144	2.5	0.005221	**3.8686**	ug/L
ê>	Ge	74	1032763	1042759	20081	1.9	1042759.203311		ug/L
ë	As	75	-107	12625	129	1.0	0.012216	**5.6315**	ug/L
é	Se	77	103	1519	35	2.3	0.001224	**10.1242**	ug/L
ê	Se	82	18	2333	24	1.0	0.002005	**10.3697**	ug/L
ê	Mo	95	12	3092	36	1.2	0.002667	**0.6429**	ug/L
ê	Mo	97	9	1987	21	1.1	0.001713	**0.6489**	ug/L
ê	Mo	98	21	5316	94	1.8	0.004585	**0.6558**	ug/L
ê	Ag	107	7	7876	75	1.0	0.006814	**0.4173**	ug/L
ê	Ag	109	7	8084	45	0.6	0.006995	**0.4026**	ug/L
ê	Cd	111	4	1700	22	1.3	0.001469	**0.3874**	ug/L
ê	Cd	114	28	4111	135	3.3	0.003534	**0.3983**	ug/L
ê>	In	115	1125822	1154847	17490	1.5	1154847.085783		ug/L
ê	Sb	121	11	5040	93	1.8	0.004355	**0.3941**	ug/L
ë	Ba	138	82	42303	171	0.4	0.036564	**0.9831**	ug/L
é>	Tm	169	1024880	1042449	7124	0.7	1042448.671717		ug/L
ê	Tl	205	13	6975	237	3.4	0.006678	**0.2117**	ug/L
ë	Pb	208	43	22525	412	1.8	0.021565	**0.5279**	ug/L

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C	13	35331	36265	131	0.4	933.999436	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	101.118
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	100.968
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	102.578
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	101.714
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB2

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 17:15:55
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCB2.048
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	16	6	36.9	0.000000	**-0.0098**	ug/L
ê	Na	23	8305	8667	253	2.9	0.000233	**0.0185**	ug/L
ê	Mg	24	238	258	52	20.2	0.000016	**-0.5323**	ug/L
ê	Al	27	1225	1119	23	2.1	-0.000113	**-0.4137**	ug/L
ê	K	39	619876	611047	2355	0.4	-0.015592	**-0.5008**	ug/L
ê	Ca	44	4789	4082	72	1.8	-0.000713	**-1.3796**	ug/L
ê>	Sc	45	1065884	1079821	18411	1.7	1079820.644525		ug/L
ê	Cr	52	14356	13609	127	0.9	-0.000863	**-0.0545**	ug/L
ê	Cr	53	67	56	8	14.7	-0.000012	**-0.0094**	ug/L
ê	Mn	55	1312	1230	58	4.7	-0.000092	**-0.0092**	ug/L
ê	Fe	54	134900	132273	2859	2.2	-0.004070	**-5.5811**	ug/L
ê	Fe	57	10869	10289	530	5.2	-0.000668	**-2.8058**	ug/L
ê	Co	59	68	53	4	7.7	-0.000015	**-0.0104**	ug/L
ê	Ni	60	48	44	2	4.6	-0.000004	**-0.0172**	ug/L
ë	Ni	62	71	69	12	16.9	-0.000002	**-0.0315**	ug/L
é	Cu	65	10	15	2	10.4	0.000005	**-0.0102**	ug/L
ê	Cu	63	35	26	4	15.4	-0.000009	**-0.0128**	ug/L
ê	Zn	66	45	41	6	15.8	-0.000004	**-0.0068**	ug/L
ê	Zn	68	382	325	12	3.8	-0.000053	**-0.0321**	ug/L
ê>	Ge	74	1032763	1027822	11950	1.2	1027822.393828		ug/L
ë	As	75	-107	-114	40	34.6	-0.000007	**-0.0068**	ug/L
é	Se	77	103	95	10	10.5	-0.000009	**-0.0099**	ug/L
ê	Se	82	18	10	12	124.5	-0.000007	**0.0046**	ug/L
ê	Mo	95	12	14	5	36.8	0.000002	**0.0010**	ug/L
ê	Mo	97	9	8	4	42.1	-0.000000	**-0.0035**	ug/L
ê	Mo	98	21	20	1	7.4	-0.000001	**0.0016**	ug/L
ê	Ag	107	7	8	6	71.8	0.000000	**-0.0007**	ug/L
ê	Ag	109	7	6	2	28.9	-0.000001	**-0.0004**	ug/L
ê	Cd	111	4	2	1	50.0	-0.000002	**-0.0004**	ug/L
ê	Cd	114	28	28	2	8.4	-0.000000	**-0.0002**	ug/L
ê>	In	115	1125822	1148985	7572	0.7	1148985.406893		ug/L
ê	Sb	121	11	7	0	0.0	-0.000004	**-0.0002**	ug/L
ë	Ba	138	82	90	3	3.4	0.000005	**0.0002**	ug/L
é>	Tm	169	1024880	1034299	7662	0.7	1034298.928845		ug/L
ê	Tl	205	13	7	1	14.3	-0.000006	**-0.0009**	ug/L
ë	Pb	208	43	50	10	19.7	0.000007	**-0.0008**	ug/L

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C	13	35331	36169	129	0.4	837.755892	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	101.308
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	99.522
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	102.057
	Sb	121	
	Ba	138	
>	Tm	169	100.919
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV3

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 17:42:58
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCV3.054
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	4955	93	1.9	0.003824	**2.3757**	ug/L
ê	Na	23	8305	7218836	236753	3.3	5.586543	**272.1786**	ug/L
ê	Mg	24	238	4882665	47247	1.0	3.782949	**281.6131**	ug/L
ê	Al	27	1225	727933	9508	1.3	0.562829	**30.2472**	ug/L
ê	K	39	619876	9544965	142435	1.5	6.814642	**287.2581**	ug/L
ê	Ca	44	4789	480872	4111	0.9	0.368111	**604.2560**	ug/L
ê>	Sc	45	1065884	1290708	12122	0.9	1290708.301564		ug/L
ê	Cr	52	14356	78079	1441	1.8	0.047023	**2.8544**	ug/L
ê	Cr	53	67	6978	170	2.4	0.005344	**2.8737**	ug/L
ê	Mn	55	1312	32502	650	2.0	0.023955	**1.1120**	ug/L
ê	Fe	54	134900	288539	8256	2.9	0.097009	**84.2119**	ug/L
ê	Fe	57	10869	67168	1864	2.8	0.041854	**93.6118**	ug/L
ê	Co	59	68	45185	710	1.6	0.034948	**1.8113**	ug/L
ê	Ni	60	48	19942	214	1.1	0.015407	**3.6298**	ug/L
ë	Ni	62	71	3042	19	0.6	0.002291	**3.6382**	ug/L
é	Cu	65	10	12337	60	0.5	0.010800	**2.3780**	ug/L
ê	Cu	63	35	25940	634	2.4	0.022693	**2.3579**	ug/L
ê	Zn	66	45	8924	66	0.7	0.007776	**3.9774**	ug/L
ê	Zn	68	382	6615	76	1.1	0.005426	**4.0205**	ug/L
ê>	Ge	74	1032763	1141300	4108	0.4	1141300.352704		ug/L
ë	As	75	-107	12576	296	2.4	0.011123	**5.1275**	ug/L
é	Se	77	103	1699	28	1.6	0.001285	**10.6309**	ug/L
ê	Se	82	18	2159	109	5.1	0.001733	**8.9708**	ug/L
ê	Mo	95	12	2744	109	4.0	0.002213	**0.5335**	ug/L
ê	Mo	97	9	1748	26	1.5	0.001409	**0.5331**	ug/L
ê	Mo	98	21	4668	178	3.8	0.003763	**0.5384**	ug/L
ê	Ag	107	7	6159	173	2.8	0.004985	**0.3051**	ug/L
ê	Ag	109	7	7739	98	1.3	0.006265	**0.3605**	ug/L
ê	Cd	111	4	1791	71	4.0	0.001449	**0.3820**	ug/L
ê	Cd	114	28	4445	140	3.2	0.003577	**0.4031**	ug/L
ê>	In	115	1125822	1234094	10795	0.9	1234094.259437		ug/L
ê	Sb	121	11	5374	53	1.0	0.004345	**0.3932**	ug/L
ë	Ba	138	82	48026	608	1.3	0.038842	**1.0443**	ug/L
é>	Tm	169	1024880	1129033	11786	1.0	1129033.286969		ug/L
ê	Tl	205	13	7065	20	0.3	0.006245	**0.1979**	ug/L
ë	Pb	208	43	22444	165	0.7	0.019840	**0.4856**	ug/L

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C	13	35331	44847	1076	2.4	9515.335667	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	121.093
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	110.509
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	109.617
	Sb	121	
	Ba	138	
>	Tm	169	110.162
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB3
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 17:46:52
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCB3.055
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	7	1	15.7	-0.000009	**-0.0157**	ug/L
ê	Na	23	8305	57520	768	1.3	0.036476	**1.7842**	ug/L
ê	Mg	24	238	918	45	4.9	0.000483	**-0.4974**	ug/L
ê	Al	27	1225	1431	31	2.1	-0.000047	**-0.4102**	ug/L
ê	K	39	619876	768177	6812	0.9	0.009646	**0.5625**	ug/L
ê	Ca	44	4789	7434	58	0.8	0.001228	**1.8085**	ug/L
ê>	Sc	45	1065884	1299324	6967	0.5	1299324.270625		ug/L
ê	Cr	52	14356	18341	253	1.4	0.000648	**0.0372**	ug/L
ê	Cr	53	67	94	8	8.2	0.000009	**0.0018**	ug/L
ê	Mn	55	1312	1239	35	2.8	-0.000277	**-0.0178**	ug/L
ê	Fe	54	134900	158483	759	0.5	-0.004588	**-6.0416**	ug/L
ê	Fe	57	10869	14166	235	1.7	0.000705	**0.3086**	ug/L
ê	Co	59	68	62	15	24.6	-0.000016	**-0.0104**	ug/L
ê	Ni	60	48	58	4	7.7	-0.000000	**-0.0163**	ug/L
ë	Ni	62	71	112	3	2.4	0.000020	**0.0035**	ug/L
é	Cu	65	10	72	14	18.8	0.000054	**0.0008**	ug/L
ê	Cu	63	35	39	7	17.6	-0.000000	**-0.0119**	ug/L
ê	Zn	66	45	126	3	2.1	0.000068	**0.0301**	ug/L
ê	Zn	68	382	534	33	6.2	0.000103	**0.0835**	ug/L
ê>	Ge	74	1032763	1129913	9827	0.9	1129912.686446		ug/L
ë	As	75	-107	-121	25	21.0	-0.000003	**-0.0049**	ug/L
é	Se	77	103	103	5	4.5	-0.000008	**-0.0020**	ug/L
ê	Se	82	18	-13	9	66.1	-0.000027	**-0.0955**	ug/L
ê	Mo	95	12	73	14	19.0	0.000049	**0.0124**	ug/L
ê	Mo	97	9	51	11	22.0	0.000034	**0.0096**	ug/L
ê	Mo	98	21	119	27	22.9	0.000078	**0.0129**	ug/L
ê	Ag	107	7	7	1	17.3	-0.000001	**-0.0008**	ug/L
ê	Ag	109	7	5	1	21.7	-0.000002	**-0.0004**	ug/L
ê	Cd	111	4	2	2	65.5	-0.000001	**-0.0004**	ug/L
ê	Cd	114	28	27	3	11.2	-0.000003	**-0.0005**	ug/L
ê>	In	115	1125822	1222617	10351	0.8	1222617.412722		ug/L
ê	Sb	121	11	8	4	50.0	-0.000003	**-0.0002**	ug/L
ë	Ba	138	82	107	11	10.3	0.000014	**0.0005**	ug/L
é>	Tm	169	1024880	1117670	17096	1.5	1117670.359229		ug/L
ê	Tl	205	13	9	4	40.1	-0.000005	**-0.0008**	ug/L
ë	Pb	208	43	43	5	11.6	-0.000003	**-0.0010**	ug/L

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C	13	35331	39391	492	1.2	4059.598064	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	121.901
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	109.407
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	108.598
	Sb	121	
	Ba	138	
>	Tm	169	109.054
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV4
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 18:40:28
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCV4.062
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	5392	74	1.4	0.003947	**2.4527**	ug/L
ê	Na	23	8305	7710424	181761	2.4	5.656715	**275.5973**	ug/L
ê	Mg	24	238	5196128	168958	3.3	3.816593	**284.1224**	ug/L
ê	Al	27	1225	760174	20404	2.7	0.557301	**29.9461**	ug/L
ê	K	39	619876	9902395	171973	1.7	6.694059	**282.1779**	ug/L
ê	Ca	44	4789	501532	13630	2.7	0.363945	**597.4150**	ug/L
ê>	Sc	45	1065884	1361204	33181	2.4	1361203.871141		ug/L
ê	Cr	52	14356	83906	2091	2.5	0.048174	**2.9243**	ug/L
ê	Cr	53	67	7178	58	0.8	0.005211	**2.8024**	ug/L
ê	Mn	55	1312	34215	651	1.9	0.023914	**1.1101**	ug/L
ê	Fe	54	134900	303861	5755	1.9	0.096691	**83.9290**	ug/L
ê	Fe	57	10869	69220	945	1.4	0.040679	**90.9492**	ug/L
ê	Co	59	68	47129	780	1.7	0.034564	**1.7913**	ug/L
ê	Ni	60	48	20888	415	2.0	0.015302	**3.6049**	ug/L
ë	Ni	62	71	3214	40	1.2	0.002295	**3.6454**	ug/L
é	Cu	65	10	12623	347	2.7	0.010509	**2.3135**	ug/L
ê	Cu	63	35	27146	290	1.1	0.022583	**2.3465**	ug/L
ê	Zn	66	45	9250	128	1.4	0.007665	**3.9203**	ug/L
ê	Zn	68	382	6898	93	1.4	0.005377	**3.9840**	ug/L
ê>	Ge	74	1032763	1200485	22204	1.8	1200485.371940		ug/L
ë	As	75	-107	12956	309	2.4	0.010897	**5.0231**	ug/L
é	Se	77	103	1735	58	3.4	0.001268	**10.4855**	ug/L
ê	Se	82	18	2155	73	3.4	0.001672	**8.6564**	ug/L
ê	Mo	95	12	2716	99	3.6	0.002117	**0.5105**	ug/L
ê	Mo	97	9	1688	49	2.9	0.001315	**0.4973**	ug/L
ê	Mo	98	21	4406	146	3.3	0.003432	**0.4913**	ug/L
ê	Ag	107	7	6291	98	1.6	0.004922	**0.3012**	ug/L
ê	Ag	109	7	7941	102	1.3	0.006215	**0.3577**	ug/L
ê	Cd	111	4	1891	42	2.2	0.001478	**0.3898**	ug/L
ê	Cd	114	28	4489	131	2.9	0.003493	**0.3936**	ug/L
ê>	In	115	1125822	1276633	13817	1.1	1276632.829022		ug/L
ê	Sb	121	11	5462	28	0.5	0.004268	**0.3863**	ug/L
ë	Ba	138	82	50138	398	0.8	0.039206	**1.0541**	ug/L
é>	Tm	169	1024880	1156072	9713	0.8	1156072.080996		ug/L
ê	Tl	205	13	7187	139	1.9	0.006205	**0.1967**	ug/L
ë	Pb	208	43	23319	200	0.9	0.020130	**0.4927**	ug/L

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C	13	35331	40494	885	2.2	5162.354099	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	127.707
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	116.240
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	113.396
	Sb	121	
	Ba	138	
>	Tm	169	112.801
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB4

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 18:44:22
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCB4.063
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	8	4	45.4	-0.000009	**-0.0154**	ug/L
ê	Na	23	8305	59283	1023	1.7	0.036181	**1.7699**	ug/L
ê	Mg	24	238	569	12	2.1	0.000199	**-0.5186**	ug/L
ê	Al	27	1225	1566	33	2.1	0.000012	**-0.4069**	ug/L
ê	K	39	619876	776687	13716	1.8	-0.005455	**-0.0737**	ug/L
ê	Ca	44	4789	6681	157	2.3	0.000461	**0.5490**	ug/L
ê>	Sc	45	1065884	1348455	15396	1.1	1348455.159426		ug/L
ê	Cr	52	14356	19415	96	0.5	0.000930	**0.0544**	ug/L
ê	Cr	53	67	102	10	9.5	0.000013	**0.0036**	ug/L
ê	Mn	55	1312	1313	22	1.6	-0.000257	**-0.0169**	ug/L
ê	Fe	54	134900	167156	1268	0.8	-0.002584	**-4.2611**	ug/L
ê	Fe	57	10869	14475	132	0.9	0.000538	**-0.0713**	ug/L
ê	Co	59	68	72	11	15.2	-0.000010	**-0.0101**	ug/L
ê	Ni	60	48	55	6	11.0	-0.000005	**-0.0173**	ug/L
ë	Ni	62	71	135	5	3.4	0.000034	**0.0262**	ug/L
é	Cu	65	10	25	2	9.1	0.000012	**-0.0086**	ug/L
ê	Cu	63	35	35	5	14.5	-0.000004	**-0.0124**	ug/L
ê	Zn	66	45	63	5	7.9	0.000010	**0.0005**	ug/L
ê	Zn	68	382	569	30	5.3	0.000112	**0.0900**	ug/L
ê>	Ge	74	1032763	1180564	6230	0.5	1180563.758629		ug/L
ë	As	75	-107	-120	37	30.4	0.000002	**-0.0025**	ug/L
é	Se	77	103	104	7	6.6	-0.000010	**-0.0193**	ug/L
ê	Se	82	18	-0	9	2152.7	-0.000016	**-0.0406**	ug/L
ê	Mo	95	12	16	3	21.7	0.000002	**0.0012**	ug/L
ê	Mo	97	9	10	4	36.6	0.000000	**-0.0031**	ug/L
ê	Mo	98	21	29	6	22.0	0.000004	**0.0023**	ug/L
ê	Ag	107	7	7	2	31.2	-0.000001	**-0.0008**	ug/L
ê	Ag	109	7	7	1	7.9	-0.000001	**-0.0004**	ug/L
ê	Cd	111	4	3	1	43.3	-0.000001	**-0.0003**	ug/L
ê	Cd	114	28	25	3	13.5	-0.000005	**-0.0007**	ug/L
ê>	In	115	1125822	1267232	17194	1.4	1267232.423538		ug/L
ê	Sb	121	11	10	2	20.0	-0.000002	**-0.0001**	ug/L
ë	Ba	138	82	93	14	14.8	0.000000	**0.0001**	ug/L
é>	Tm	169	1024880	1149712	7380	0.6	1149711.773849		ug/L
ê	Tl	205	13	6	2	36.7	-0.000008	**-0.0009**	ug/L
ë	Pb	208	43	52	5	8.6	0.000004	**-0.0009**	ug/L

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C	13	35331	39536	366	0.9	4204.327868	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	126.510
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	114.311
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	112.561
	Sb	121	
	Ba	138	
>	Tm	169	112.180
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV5

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 19:07:47
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCV5.069
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	5091	94	1.8	0.003848	**2.3906**	ug/L
ê	Na	23	8305	7430854	93305	1.3	5.630123	**274.3018**	ug/L
ê	Mg	24	238	5037540	93552	1.9	3.821491	**284.4878**	ug/L
ê	Al	27	1225	733551	6161	0.8	0.555394	**29.8423**	ug/L
ê	K	39	619876	9692938	131251	1.4	6.772203	**285.4701**	ug/L
ê	Ca	44	4789	488041	9491	1.9	0.365800	**600.4611**	ug/L
ê>	Sc	45	1065884	1318095	16253	1.2	1318095.276779		ug/L
ê	Cr	52	14356	79645	289	0.4	0.046961	**2.8506**	ug/L
ê	Cr	53	67	7160	74	1.0	0.005369	**2.8875**	ug/L
ê	Mn	55	1312	33825	151	0.4	0.024433	**1.1343**	ug/L
ê	Fe	54	134900	300865	4223	1.4	0.101693	**88.3727**	ug/L
ê	Fe	57	10869	68177	338	0.5	0.041531	**92.8805**	ug/L
ê	Co	59	68	46671	577	1.2	0.035351	**1.8323**	ug/L
ê	Ni	60	48	21082	470	2.2	0.015954	**3.7591**	ug/L
ë	Ni	62	71	3148	93	3.0	0.002321	**3.6876**	ug/L
é	Cu	65	10	12456	280	2.2	0.010515	**2.3150**	ug/L
ê	Cu	63	35	26560	359	1.4	0.022408	**2.3281**	ug/L
ê	Zn	66	45	9166	134	1.5	0.007701	**3.9389**	ug/L
ê	Zn	68	382	6914	74	1.1	0.005472	**4.0546**	ug/L
ê>	Ge	74	1032763	1183500	1948	0.2	1183500.397721		ug/L
ë	As	75	-107	13317	245	1.8	0.011356	**5.2349**	ug/L
é	Se	77	103	1680	29	1.7	0.001262	**10.4420**	ug/L
ê	Se	82	18	2219	86	3.9	0.001773	**9.1723**	ug/L
ê	Mo	95	12	2675	65	2.4	0.002145	**0.5172**	ug/L
ê	Mo	97	9	1621	39	2.4	0.001299	**0.4914**	ug/L
ê	Mo	98	21	4257	33	0.8	0.003413	**0.4885**	ug/L
ê	Ag	107	7	6343	47	0.7	0.005106	**0.3125**	ug/L
ê	Ag	109	7	7945	148	1.9	0.006397	**0.3681**	ug/L
ê	Cd	111	4	1854	15	0.8	0.001491	**0.3931**	ug/L
ê	Cd	114	28	4518	134	3.0	0.003616	**0.4076**	ug/L
ê>	In	115	1125822	1240713	9052	0.7	1240712.616222		ug/L
ê	Sb	121	11	5505	36	0.6	0.004427	**0.4007**	ug/L
ë	Ba	138	82	48783	805	1.6	0.039247	**1.0552**	ug/L
é>	Tm	169	1024880	1137187	12794	1.1	1137186.996890		ug/L
ê	Tl	205	13	7042	72	1.0	0.006180	**0.1959**	ug/L
ë	Pb	208	43	22866	274	1.2	0.020069	**0.4912**	ug/L

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C	13	35331	38899	60	0.2	3567.246179	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	123.662
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	114.596
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	110.205
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	110.958
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB5
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 19:11:40
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCB5.070
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	6	3	50.0	-0.000011	**-0.0164**	ug/L
ê	Na	23	8305	57296	852	1.5	0.034927	**1.7088**	ug/L
ê	Mg	24	238	603	80	13.3	0.000227	**-0.5165**	ug/L
ê	Al	27	1225	1472	61	4.2	-0.000051	**-0.4104**	ug/L
ê	K	39	619876	752213	10759	1.4	-0.020731	**-0.7173**	ug/L
ê	Ca	44	4789	6396	56	0.9	0.000275	**0.2437**	ug/L
ê>	Sc	45	1065884	1341320	8576	0.6	1341320.074956		ug/L
ê	Cr	52	14356	18582	432	2.3	0.000387	**0.0214**	ug/L
ê	Cr	53	67	83	11	13.0	-0.000002	**-0.0041**	ug/L
ê	Mn	55	1312	1300	47	3.6	-0.000261	**-0.0171**	ug/L
ê	Fe	54	134900	162438	2809	1.7	-0.005447	**-6.8046**	ug/L
ê	Fe	57	10869	13869	133	1.0	0.000143	**-0.9654**	ug/L
ê	Co	59	68	77	5	6.4	-0.000006	**-0.0099**	ug/L
ê	Ni	60	48	56	10	17.2	-0.000004	**-0.0171**	ug/L
ë	Ni	62	71	116	5	4.5	0.000020	**0.0040**	ug/L
é	Cu	65	10	21	5	24.4	0.000008	**-0.0094**	ug/L
ê	Cu	63	35	38	6	14.6	-0.000002	**-0.0121**	ug/L
ê	Zn	66	45	65	11	16.9	0.000012	**0.0017**	ug/L
ê	Zn	68	382	558	39	7.0	0.000109	**0.0876**	ug/L
ê>	Ge	74	1032763	1167537	9405	0.8	1167537.092431		ug/L
ë	As	75	-107	-124	9	7.3	-0.000002	**-0.0043**	ug/L
é	Se	77	103	102	3	2.8	-0.000009	**-0.0134**	ug/L
ê	Se	82	18	-0	9	19516.0	-0.000016	**-0.0390**	ug/L
ê	Mo	95	12	14	3	22.4	0.000001	**0.0009**	ug/L
ê	Mo	97	9	11	5	39.8	0.000001	**-0.0027**	ug/L
ê	Mo	98	21	19	2	12.6	-0.000004	**0.0013**	ug/L
ê	Ag	107	7	5	2	39.0	-0.000002	**-0.0009**	ug/L
ê	Ag	109	7	5	4	80.0	-0.000002	**-0.0005**	ug/L
ê	Cd	111	4	2	1	50.0	-0.000002	**-0.0005**	ug/L
ê	Cd	114	28	26	3	11.7	-0.000004	**-0.0006**	ug/L
ê>	In	115	1125822	1239392	1890	0.2	1239392.463504		ug/L
ê	Sb	121	11	9	2	17.6	-0.000003	**-0.0001**	ug/L
ë	Ba	138	82	107	4	3.8	0.000013	**0.0004**	ug/L
é>	Tm	169	1024880	1149120	3377	0.3	1149119.993656		ug/L
ê	Tl	205	13	6	3	44.1	-0.000008	**-0.0009**	ug/L
ë	Pb	208	43	38	9	22.2	-0.000008	**-0.0012**	ug/L

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C	13	35331	38539	459	1.2	3207.277351	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	125.841
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	113.050
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	110.088
	Sb	121	
	Ba	138	
>	Tm	169	112.122
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV6

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 19:39:00
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCV6.077
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	4699	59	1.3	0.003546	**2.2020**	ug/L
ê	Na	23	8305	7211769	106740	1.5	5.456044	**265.8208**	ug/L
ê	Mg	24	238	4860604	107661	2.2	3.682210	**274.0996**	ug/L
ê	Al	27	1225	712884	12006	1.7	0.538948	**28.9465**	ug/L
ê	K	39	619876	9290387	154783	1.7	6.457335	**272.2047**	ug/L
ê	Ca	44	4789	477623	2823	0.6	0.357390	**586.6515**	ug/L
ê>	Sc	45	1065884	1319867	6743	0.5	1319867.435099		ug/L
ê	Cr	52	14356	79513	891	1.1	0.046775	**2.8393**	ug/L
ê	Cr	53	67	7187	117	1.6	0.005382	**2.8945**	ug/L
ê	Mn	55	1312	33305	227	0.7	0.024004	**1.1142**	ug/L
ê	Fe	54	134900	295938	2758	0.9	0.097665	**84.7944**	ug/L
ê	Fe	57	10869	68571	731	1.1	0.041756	**93.3892**	ug/L
ê	Co	59	68	46450	169	0.4	0.035130	**1.8207**	ug/L
ê	Ni	60	48	20638	216	1.0	0.015591	**3.6733**	ug/L
ë	Ni	62	71	3082	63	2.1	0.002268	**3.6023**	ug/L
é	Cu	65	10	12502	390	3.1	0.010737	**2.3640**	ug/L
ê	Cu	63	35	26299	347	1.3	0.022573	**2.3454**	ug/L
ê	Zn	66	45	8979	41	0.5	0.007675	**3.9256**	ug/L
ê	Zn	68	382	6764	35	0.5	0.005445	**4.0343**	ug/L
ê>	Ge	74	1032763	1163405	14026	1.2	1163405.128209		ug/L
ë	As	75	-107	13022	87	0.7	0.011297	**5.2077**	ug/L
é	Se	77	103	1675	33	2.0	0.001265	**10.4657**	ug/L
ê	Se	82	18	2167	23	1.1	0.001739	**9.0006**	ug/L
ê	Mo	95	12	2714	64	2.4	0.002188	**0.5275**	ug/L
ê	Mo	97	9	1659	11	0.6	0.001336	**0.5056**	ug/L
ê	Mo	98	21	4354	91	2.1	0.003508	**0.5020**	ug/L
ê	Ag	107	7	6251	123	2.0	0.005058	**0.3095**	ug/L
ê	Ag	109	7	7732	173	2.2	0.006256	**0.3601**	ug/L
ê	Cd	111	4	1889	15	0.8	0.001527	**0.4025**	ug/L
ê	Cd	114	28	4398	175	4.0	0.003538	**0.3987**	ug/L
ê>	In	115	1125822	1234701	10200	0.8	1234700.512400		ug/L
ê	Sb	121	11	5472	165	3.0	0.004422	**0.4002**	ug/L
ë	Ba	138	82	49626	523	1.1	0.040121	**1.0787**	ug/L
é>	Tm	169	1024880	1123463	5748	0.5	1123462.575973		ug/L
ê	Tl	205	13	6931	78	1.1	0.006157	**0.1951**	ug/L
ë	Pb	208	43	21977	266	1.2	0.019520	**0.4778**	ug/L

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C	13	35331	37528	386	1.0	2196.590506	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	123.828
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	112.650
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	109.671
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	109.619
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB6
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 19:42:55
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCB6.078
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	6	2	24.1	-0.000010	**-0.0162**	ug/L
ê	Na	23	8305	56552	1439	2.5	0.035677	**1.7453**	ug/L
ê	Mg	24	238	846	65	7.7	0.000426	**-0.5016**	ug/L
ê	Al	27	1225	1557	132	8.5	0.000048	**-0.4050**	ug/L
ê	K	39	619876	741773	13932	1.9	-0.011448	**-0.3262**	ug/L
ê	Ca	44	4789	6800	105	1.5	0.000733	**0.9956**	ug/L
ê>	Sc	45	1065884	1301730	24814	1.9	1301730.111416		ug/L
ê	Cr	52	14356	18999	482	2.5	0.001135	**0.0668**	ug/L
ê	Cr	53	67	170	9	5.5	0.000067	**0.0329**	ug/L
ê	Mn	55	1312	1139	23	2.0	-0.000355	**-0.0215**	ug/L
ê	Fe	54	134900	159642	1410	0.9	-0.003903	**-5.4331**	ug/L
ê	Fe	57	10869	13602	309	2.3	0.000253	**-0.7172**	ug/L
ê	Co	59	68	71	8	10.5	-0.000009	**-0.0101**	ug/L
ê	Ni	60	48	50	4	8.3	-0.000006	**-0.0178**	ug/L
ë	Ni	62	71	119	10	8.8	0.000025	**0.0118**	ug/L
é	Cu	65	10	28	8	27.4	0.000015	**-0.0080**	ug/L
ê	Cu	63	35	32	6	20.3	-0.000007	**-0.0126**	ug/L
ê	Zn	66	45	69	7	10.1	0.000016	**0.0035**	ug/L
ê	Zn	68	382	568	26	4.6	0.000121	**0.0969**	ug/L
ê>	Ge	74	1032763	1157538	10699	0.9	1157538.032552		ug/L
ë	As	75	-107	-113	7	6.1	0.000006	**-0.0006**	ug/L
é	Se	77	103	106	5	4.3	-0.000004	**0.0277**	ug/L
ê	Se	82	18	11	4	36.8	-0.000007	**0.0080**	ug/L
ê	Mo	95	12	16	2	9.8	0.000003	**0.0012**	ug/L
ê	Mo	97	9	14	2	15.2	0.000004	**-0.0019**	ug/L
ê	Mo	98	21	21	2	8.6	-0.000002	**0.0015**	ug/L
ê	Ag	107	7	6	2	36.7	-0.000002	**-0.0008**	ug/L
ê	Ag	109	7	7	5	69.3	-0.000001	**-0.0004**	ug/L
ê	Cd	111	4	4	2	48.0	0.000000	**0.0000**	ug/L
ê	Cd	114	28	22	11	50.9	-0.000007	**-0.0009**	ug/L
ê>	In	115	1125822	1210234	12309	1.0	1210233.560205		ug/L
ê	Sb	121	11	9	5	50.9	-0.000003	**-0.0001**	ug/L
ë	Ba	138	82	97	1	0.6	0.000007	**0.0003**	ug/L
é>	Tm	169	1024880	1121153	9932	0.9	1121152.986158		ug/L
ê	Tl	205	13	11	3	30.1	-0.000003	**-0.0008**	ug/L
ë	Pb	208	43	47	3	5.4	0.000000	**-0.0010**	ug/L

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C	13	35331	36830	293	0.8	1498.442299	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	122.127
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	112.082
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	107.498
	Sb	121	
	Ba	138	
>	Tm	169	109.394
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV7
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 20:06:19
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCV7.084
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	4871	65	1.3	0.003686	**2.2896**	ug/L
ê	Na	23	8305	7187112	217112	3.0	5.451850	**265.6165**	ug/L
ê	Mg	24	238	4882006	101940	2.1	3.708346	**276.0490**	ug/L
ê	Al	27	1225	727955	17696	2.4	0.551784	**29.6457**	ug/L
ê	K	39	619876	9410785	205758	2.2	6.566945	**276.8226**	ug/L
ê	Ca	44	4789	482782	19545	4.0	0.362042	**594.2904**	ug/L
ê>	Sc	45	1065884	1317136	51823	3.9	1317135.850849		ug/L
ê	Cr	52	14356	80658	2418	3.0	0.047788	**2.9009**	ug/L
ê	Cr	53	67	6952	259	3.7	0.005215	**2.8047**	ug/L
ê	Mn	55	1312	32906	593	1.8	0.023766	**1.1032**	ug/L
ê	Fe	54	134900	296704	8846	3.0	0.098758	**85.7657**	ug/L
ê	Fe	57	10869	67285	1190	1.8	0.040918	**91.4893**	ug/L
ê	Co	59	68	45755	657	1.4	0.034697	**1.7982**	ug/L
ê	Ni	60	48	20416	568	2.8	0.015461	**3.6425**	ug/L
ë	Ni	62	71	3120	62	2.0	0.002305	**3.6608**	ug/L
é	Cu	65	10	12206	280	2.3	0.010494	**2.3103**	ug/L
ê	Cu	63	35	25976	184	0.7	0.022324	**2.3194**	ug/L
ê	Zn	66	45	8905	201	2.3	0.007619	**3.8971**	ug/L
ê	Zn	68	382	6776	139	2.0	0.005464	**4.0484**	ug/L
ê>	Ge	74	1032763	1162072	26087	2.2	1162071.551745		ug/L
ë	As	75	-107	13168	161	1.2	0.011439	**5.2732**	ug/L
é	Se	77	103	1669	67	4.0	0.001249	**10.3330**	ug/L
ê	Se	82	18	2189	17	0.8	0.001743	**9.0182**	ug/L
ê	Mo	95	12	2698	80	3.0	0.002157	**0.5201**	ug/L
ê	Mo	97	9	1642	11	0.6	0.001311	**0.4960**	ug/L
ê	Mo	98	21	4271	115	2.7	0.003412	**0.4884**	ug/L
ê	Ag	107	7	6258	154	2.5	0.005021	**0.3073**	ug/L
ê	Ag	109	7	7807	293	3.8	0.006265	**0.3605**	ug/L
ê	Cd	111	4	1910	12	0.6	0.001532	**0.4038**	ug/L
ê	Cd	114	28	4463	94	2.1	0.003560	**0.4012**	ug/L
ê>	In	115	1125822	1244724	13476	1.1	1244724.107940		ug/L
ê	Sb	121	11	5481	133	2.4	0.004393	**0.3976**	ug/L
ë	Ba	138	82	49709	915	1.8	0.039861	**1.0717**	ug/L
é>	Tm	169	1024880	1134273	11480	1.0	1134272.769157		ug/L
ê	Tl	205	13	6848	193	2.8	0.006024	**0.1909**	ug/L
ë	Pb	208	43	22022	591	2.7	0.019371	**0.4741**	ug/L

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C	13	35331	37033	547	1.5	1701.304014	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	123.572
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	112.521
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	110.561
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	110.674
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB7
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 20:10:14
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCB7.085
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	7	0	0.0	-0.000010	**-0.0159**	ug/L
ê	Na	23	8305	56693	703	1.2	0.035892	**1.7558**	ug/L
ê	Mg	24	238	1077	12	1.1	0.000606	**-0.4882**	ug/L
ê	Al	27	1225	1445	54	3.7	-0.000036	**-0.4096**	ug/L
ê	K	39	619876	751201	6382	0.8	-0.002837	**0.0366**	ug/L
ê	Ca	44	4789	6895	169	2.4	0.000818	**1.1350**	ug/L
ê>	Sc	45	1065884	1298128	18700	1.4	1298127.991696		ug/L
ê	Cr	52	14356	18763	201	1.1	0.000989	**0.0580**	ug/L
ê	Cr	53	67	170	4	2.2	0.000068	**0.0334**	ug/L
ê	Mn	55	1312	1098	23	2.1	-0.000385	**-0.0228**	ug/L
ê	Fe	54	134900	160257	4279	2.7	-0.003124	**-4.7409**	ug/L
ê	Fe	57	10869	13947	489	3.5	0.000545	**-0.0542**	ug/L
ê	Co	59	68	67	6	9.1	-0.000012	**-0.0102**	ug/L
ê	Ni	60	48	52	1	2.2	-0.000005	**-0.0174**	ug/L
ë	Ni	62	71	117	7	6.0	0.000024	**0.0102**	ug/L
é	Cu	65	10	25	9	36.8	0.000012	**-0.0086**	ug/L
ê	Cu	63	35	42	10	22.7	0.000002	**-0.0117**	ug/L
ê	Zn	66	45	68	9	13.1	0.000015	**0.0030**	ug/L
ê	Zn	68	382	626	21	3.4	0.000171	**0.1337**	ug/L
ê>	Ge	74	1032763	1158282	20758	1.8	1158281.719617		ug/L
ë	As	75	-107	-94	30	32.1	0.000023	**0.0072**	ug/L
é	Se	77	103	97	4	3.6	-0.000012	**-0.0350**	ug/L
ê	Se	82	18	2	2	100.8	-0.000014	**-0.0291**	ug/L
ê	Mo	95	12	16	3	16.1	0.000003	**0.0012**	ug/L
ê	Mo	97	9	9	1	6.2	-0.000000	**-0.0033**	ug/L
ê	Mo	98	21	25	9	35.4	0.000002	**0.0020**	ug/L
ê	Ag	107	7	7	2	24.7	-0.000000	**-0.0008**	ug/L
ê	Ag	109	7	5	4	72.1	-0.000002	**-0.0005**	ug/L
ê	Cd	111	4	4	2	56.8	-0.000000	**-0.0001**	ug/L
ê	Cd	114	28	27	4	15.6	-0.000002	**-0.0004**	ug/L
ê>	In	115	1125822	1217348	13923	1.1	1217348.140632		ug/L
ê	Sb	121	11	9	3	37.1	-0.000003	**-0.0001**	ug/L
ë	Ba	138	82	114	9	7.7	0.000021	**0.0006**	ug/L
é>	Tm	169	1024880	1119517	7980	0.7	1119516.780133		ug/L
ê	Tl	205	13	5	4	65.8	-0.000008	**-0.0009**	ug/L
ë	Pb	208	43	48	7	14.4	0.000001	**-0.0009**	ug/L

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C	13	35331	36807	280	0.8	1476.051197	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	121.789
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	112.154
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	108.130
	Sb	121	
	Ba	138	
>	Tm	169	109.234
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV8
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 20:45:21
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCV8.094
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	4628	145	3.1	0.003529	**2.1919**	ug/L
ê	Na	23	8305	7107537	94875	1.3	5.434329	**264.7629**	ug/L
ê	Mg	24	238	4832657	84113	1.7	3.699984	**275.4253**	ug/L
ê	Al	27	1225	704704	2549	0.4	0.538378	**28.9155**	ug/L
ê	K	39	619876	9409443	157026	1.7	6.623285	**279.1962**	ug/L
ê	Ca	44	4789	480240	7079	1.5	0.363222	**596.2285**	ug/L
ê>	Sc	45	1065884	1306357	18276	1.4	1306357.139651		ug/L
ê	Cr	52	14356	78100	751	1.0	0.046329	**2.8122**	ug/L
ê	Cr	53	67	6997	109	1.6	0.005293	**2.8466**	ug/L
ê	Mn	55	1312	33082	261	0.8	0.024096	**1.1185**	ug/L
ê	Fe	54	134900	291638	9719	3.3	0.096696	**83.9342**	ug/L
ê	Fe	57	10869	65203	452	0.7	0.039720	**88.7747**	ug/L
ê	Co	59	68	45348	938	2.1	0.034659	**1.7962**	ug/L
ê	Ni	60	48	19722	457	2.3	0.015057	**3.5468**	ug/L
ë	Ni	62	71	3035	68	2.2	0.002257	**3.5848**	ug/L
é	Cu	65	10	12105	115	0.9	0.010504	**2.3126**	ug/L
ê	Cu	63	35	25530	511	2.0	0.022140	**2.3002**	ug/L
ê	Zn	66	45	8817	176	2.0	0.007615	**3.8947**	ug/L
ê	Zn	68	382	6495	156	2.4	0.005271	**3.9056**	ug/L
ê>	Ge	74	1032763	1151347	10209	0.9	1151346.948808		ug/L
ë	As	75	-107	12677	150	1.2	0.011115	**5.1237**	ug/L
é	Se	77	103	1697	17	1.0	0.001296	**10.7178**	ug/L
ê	Se	82	18	2177	24	1.1	0.001764	**9.1290**	ug/L
ê	Mo	95	12	2620	65	2.5	0.002132	**0.5141**	ug/L
ê	Mo	97	9	1655	47	2.8	0.001345	**0.5090**	ug/L
ê	Mo	98	21	4215	130	3.1	0.003428	**0.4906**	ug/L
ê	Ag	107	7	6011	79	1.3	0.004910	**0.3005**	ug/L
ê	Ag	109	7	7486	120	1.6	0.006115	**0.3519**	ug/L
ê	Cd	111	4	1791	31	1.8	0.001461	**0.3852**	ug/L
ê	Cd	114	28	4389	57	1.3	0.003565	**0.4017**	ug/L
ê>	In	115	1125822	1222878	13710	1.1	1222878.026407		ug/L
ê	Sb	121	11	5358	49	0.9	0.004372	**0.3956**	ug/L
ë	Ba	138	82	48564	637	1.3	0.039641	**1.0658**	ug/L
é>	Tm	169	1024880	1123483	19371	1.7	1123483.217692		ug/L
ê	Tl	205	13	6687	89	1.3	0.005941	**0.1883**	ug/L
ë	Pb	208	43	21696	261	1.2	0.019272	**0.4717**	ug/L

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C	13	35331	36518	681	1.9	1186.318028	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	122.561
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	111.482
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	108.621
	Sb	121	
	Ba	138	
>	Tm	169	109.621
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB8
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 20:49:15
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCB8.095
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	6	1	10.2	-0.000011	**-0.0165**	ug/L
ê	Na	23	8305	55173	1059	1.9	0.035312	**1.7275**	ug/L
ê	Mg	24	238	732	105	14.4	0.000349	**-0.5074**	ug/L
ê	Al	27	1225	1471	45	3.0	0.000000	**-0.4076**	ug/L
ê	K	39	619876	762310	4836	0.6	0.014052	**0.7481**	ug/L
ê	Ca	44	4789	6449	77	1.2	0.000546	**0.6883**	ug/L
ê>	Sc	45	1065884	1280104	25297	2.0	1280104.326721		ug/L
ê	Cr	52	14356	18253	372	2.0	0.000791	**0.0459**	ug/L
ê	Cr	53	67	119	6	4.8	0.000030	**0.0129**	ug/L
ê	Mn	55	1312	1181	28	2.4	-0.000308	**-0.0192**	ug/L
ê	Fe	54	134900	158688	5256	3.3	-0.002619	**-4.2920**	ug/L
ê	Fe	57	10869	12311	266	2.2	-0.000580	**-2.6052**	ug/L
ê	Co	59	68	61	4	5.8	-0.000016	**-0.0105**	ug/L
ê	Ni	60	48	48	9	19.2	-0.000008	**-0.0180**	ug/L
ë	Ni	62	71	121	15	12.2	0.000028	**0.0171**	ug/L
é	Cu	65	10	23	6	28.4	0.000010	**-0.0089**	ug/L
ê	Cu	63	35	29	7	22.6	-0.000009	**-0.0128**	ug/L
ê	Zn	66	45	61	8	12.5	0.000011	**0.0007**	ug/L
ê	Zn	68	382	613	15	2.4	0.000171	**0.1335**	ug/L
ê>	Ge	74	1032763	1133499	13504	1.2	1133498.865480		ug/L
ë	As	75	-107	-112	20	17.6	0.000005	**-0.0012**	ug/L
é	Se	77	103	104	11	10.2	-0.000005	**0.0172**	ug/L
ê	Se	82	18	10	11	107.3	-0.000007	**0.0055**	ug/L
ê	Mo	95	12	15	3	17.2	0.000002	**0.0010**	ug/L
ê	Mo	97	9	6	2	36.7	-0.000003	**-0.0044**	ug/L
ê	Mo	98	21	18	2	9.6	-0.000004	**0.0012**	ug/L
ê	Ag	107	7	6	3	53.9	-0.000002	**-0.0008**	ug/L
ê	Ag	109	7	7	3	34.3	-0.000000	**-0.0003**	ug/L
ê	Cd	111	4	4	1	25.0	0.000000	**-0.0000**	ug/L
ê	Cd	114	28	32	6	17.4	0.000001	**0.0000**	ug/L
ê>	In	115	1125822	1205643	6992	0.6	1205643.274604		ug/L
ê	Sb	121	11	3	1	17.3	-0.000007	**-0.0005**	ug/L
ë	Ba	138	82	102	5	4.9	0.000012	**0.0004**	ug/L
é>	Tm	169	1024880	1116830	6906	0.6	1116829.869388		ug/L
ê	Tl	205	13	8	1	13.9	-0.000006	**-0.0009**	ug/L
ë	Pb	208	43	31	8	24.7	-0.000014	**-0.0013**	ug/L

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C	13	35331	36166	255	0.7	834.749420	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	120.098
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	109.754
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	107.090
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	108.972
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV9
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 21:32:09
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCV9.106
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	4733	78	1.7	0.003635	**2.2580**	ug/L
ê	Na	23	8305	7051427	135128	1.9	5.430491	**264.5759**	ug/L
ê	Mg	24	238	4772161	97958	2.1	3.680224	**273.9515**	ug/L
ê	Al	27	1225	698385	4603	0.7	0.537469	**28.8660**	ug/L
ê	K	39	619876	9660520	197882	2.0	6.869194	**289.5563**	ug/L
ê	Ca	44	4789	480862	11405	2.4	0.366378	**601.4111**	ug/L
ê>	Sc	45	1065884	1296626	3005	0.2	1296626.057350		ug/L
ê	Cr	52	14356	76804	661	0.9	0.045765	**2.7780**	ug/L
ê	Cr	53	67	6965	116	1.7	0.005308	**2.8548**	ug/L
ê	Mn	55	1312	33227	141	0.4	0.024395	**1.1325**	ug/L
ê	Fe	54	134900	288298	2980	1.0	0.095780	**83.1204**	ug/L
ê	Fe	57	10869	64013	788	1.2	0.039172	**87.5319**	ug/L
ê	Co	59	68	45519	1523	3.3	0.035043	**1.8162**	ug/L
ê	Ni	60	48	20259	151	0.7	0.015579	**3.6705**	ug/L
ë	Ni	62	71	3056	84	2.7	0.002290	**3.6377**	ug/L
é	Cu	65	10	12192	32	0.3	0.010433	**2.2969**	ug/L
ê	Cu	63	35	26394	273	1.0	0.022576	**2.3457**	ug/L
ê	Zn	66	45	8948	84	0.9	0.007620	**3.8973**	ug/L
ê	Zn	68	382	6702	106	1.6	0.005370	**3.9794**	ug/L
ê>	Ge	74	1032763	1167742	21028	1.8	1167741.843125		ug/L
ë	As	75	-107	13143	405	3.1	0.011366	**5.2393**	ug/L
é	Se	77	103	1672	60	3.6	0.001291	**10.6774**	ug/L
ê	Se	82	18	2228	114	5.1	0.001827	**9.4507**	ug/L
ê	Mo	95	12	2703	57	2.1	0.002225	**0.5364**	ug/L
ê	Mo	97	9	1667	11	0.6	0.001371	**0.5187**	ug/L
ê	Mo	98	21	4417	54	1.2	0.003633	**0.5199**	ug/L
ê	Ag	107	7	6196	88	1.4	0.005117	**0.3132**	ug/L
ê	Ag	109	7	7741	108	1.4	0.006393	**0.3679**	ug/L
ê	Cd	111	4	1832	22	1.2	0.001512	**0.3986**	ug/L
ê	Cd	114	28	4351	156	3.6	0.003573	**0.4026**	ug/L
ê>	In	115	1125822	1209535	12814	1.1	1209535.233829		ug/L
ê	Sb	121	11	5356	60	1.1	0.004419	**0.3999**	ug/L
ë	Ba	138	82	47906	652	1.4	0.039540	**1.0631**	ug/L
é>	Tm	169	1024880	1122166	3792	0.3	1122165.627426		ug/L
ê	Tl	205	13	6966	80	1.1	0.006195	**0.1964**	ug/L
ë	Pb	208	43	22402	476	2.1	0.019921	**0.4876**	ug/L

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C	13	35331	37178	237	0.6	1846.341008	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	121.648
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	113.070
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	107.436
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	109.492
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB9
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 21:36:03
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCB9.107
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	6	1	16.7	-0.000010	**-0.0163**	ug/L
ê	Na	23	8305	54892	1558	2.8	0.034537	**1.6897**	ug/L
ê	Mg	24	238	632	52	8.3	0.000264	**-0.5137**	ug/L
ê	Al	27	1225	1431	27	1.9	-0.000045	**-0.4101**	ug/L
ê	K	39	619876	765575	9980	1.3	0.008731	**0.5240**	ug/L
ê	Ca	44	4789	6337	153	2.4	0.000392	**0.4361**	ug/L
ê>	Sc	45	1065884	1296972	13923	1.1	1296971.876561		ug/L
ê	Cr	52	14356	17443	589	3.4	-0.000021	**-0.0034**	ug/L
ê	Cr	53	67	106	19	17.9	0.000018	**0.0067**	ug/L
ê	Mn	55	1312	1212	41	3.4	-0.000296	**-0.0187**	ug/L
ê	Fe	54	134900	154483	325	0.2	-0.007441	**-8.5759**	ug/L
ê	Fe	57	10869	10756	232	2.2	-0.001904	**-5.6066**	ug/L
ê	Co	59	68	57	7	12.3	-0.000020	**-0.0107**	ug/L
ê	Ni	60	48	57	8	13.7	-0.000001	**-0.0166**	ug/L
ë	Ni	62	71	114	4	3.8	0.000021	**0.0062**	ug/L
é	Cu	65	10	25	2	9.4	0.000012	**-0.0086**	ug/L
ê	Cu	63	35	37	8	21.9	-0.000002	**-0.0122**	ug/L
ê	Zn	66	45	68	8	11.3	0.000015	**0.0031**	ug/L
ê	Zn	68	382	575	15	2.6	0.000130	**0.1034**	ug/L
ê>	Ge	74	1032763	1150643	11503	1.0	1150643.071654		ug/L
ë	As	75	-107	-74	3	4.2	0.000040	**0.0149**	ug/L
é	Se	77	103	89	5	5.8	-0.000018	**-0.0828**	ug/L
ê	Se	82	18	0	5	1722.6	-0.000015	**-0.0374**	ug/L
ê	Mo	95	12	19	1	3.1	0.000005	**0.0019**	ug/L
ê	Mo	97	9	13	3	24.1	0.000003	**-0.0022**	ug/L
ê	Mo	98	21	23	4	18.3	0.000000	**0.0018**	ug/L
ê	Ag	107	7	7	2	28.4	-0.000000	**-0.0008**	ug/L
ê	Ag	109	7	7	3	37.8	-0.000001	**-0.0004**	ug/L
ê	Cd	111	4	4	2	41.7	-0.000000	**-0.0001**	ug/L
ê	Cd	114	28	33	2	6.8	0.000003	**0.0002**	ug/L
ê>	In	115	1125822	1201090	11026	0.9	1201089.816740		ug/L
ê	Sb	121	11	13	4	27.7	0.000001	**0.0002**	ug/L
ë	Ba	138	82	100	5	4.9	0.000010	**0.0004**	ug/L
é>	Tm	169	1024880	1118251	6428	0.6	1118251.407059		ug/L
ê	Tl	205	13	8	1	13.9	-0.000006	**-0.0009**	ug/L
ë	Pb	208	43	42	3	6.8	-0.000004	**-0.0011**	ug/L

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C	13	35331	36417	273	0.7	1086.053506	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	121.680
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	111.414
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	106.686
	Sb	121	
	Ba	138	
>	Tm	169	109.110
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140477-BLK1
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 21:39:58
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 203

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\B140477-BLK1.108
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	4	3	74.2	-0.000012	**-0.1727**	ug/L
ê	Na	23	8305	21369	165	0.8	0.007570	**3.7594**	ug/L
ê	Mg	24	238	1290	23	1.7	0.000704	**-4.8091**	ug/L
ê	Al	27	1225	4588	84	1.8	0.002150	**-2.9053**	ug/L
ê	K	39	619876	793781	8602	1.1	-0.010891	**-3.0270**	ug/L
ê	Ca	44	4789	7221	108	1.5	0.000699	**9.3932**	ug/L
ê>	Sc	45	1065884	1391413	24744	1.8	1391413.460349		ug/L
ê	Cr	52	14356	19250	563	2.9	0.000373	**0.2051**	ug/L
ê	Cr	53	67	166	1	0.3	0.000056	**0.2713**	ug/L
ê	Mn	55	1312	1422	33	2.3	-0.000209	**-0.1463**	ug/L
ê	Fe	54	134900	221375	1363	0.6	0.032580	**269.7681**	ug/L
ê	Fe	57	10869	11897	490	4.1	-0.001642	**-50.1234**	ug/L
ê	Co	59	68	65	8	12.3	-0.000016	**-0.1049**	ug/L
ê	Ni	60	48	51	3	6.4	-0.000008	**-0.1824**	ug/L
ë	Ni	62	71	148	3	1.8	0.000040	**0.3587**	ug/L
é	Cu	65	10	32	1	1.8	0.000016	**-0.0760**	ug/L
ê	Cu	63	35	44	9	20.8	0.000002	**-0.1173**	ug/L
ê	Zn	66	45	169	5	2.9	0.000096	**0.4436**	ug/L
ê	Zn	68	382	750	20	2.7	0.000247	**1.9001**	ug/L
ê>	Ge	74	1032763	1215134	15932	1.3	1215134.282476		ug/L
ë	As	75	-107	-60	28	46.1	0.000055	**0.2168**	ug/L
é	Se	77	103	95	10	10.0	-0.000018	**-0.8506**	ug/L
ê	Se	82	18	13	7	50.3	-0.000005	**0.1444**	ug/L
ê	Mo	95	12	17	4	23.5	0.000003	**0.0128**	ug/L
ê	Mo	97	9	10	2	23.9	-0.000000	**-0.0335**	ug/L
ê	Mo	98	21	29	8	25.7	0.000004	**0.0230**	ug/L
ê	Ag	107	7	4	3	58.1	-0.000003	**-0.0092**	ug/L
ê	Ag	109	7	6	2	24.1	-0.000002	**-0.0042**	ug/L
ê	Cd	111	4	5	1	20.0	0.000001	**0.0012**	ug/L
ê	Cd	114	28	25	6	23.9	-0.000006	**-0.0080**	ug/L
ê>	In	115	1125822	1287213	14558	1.1	1287213.055740		ug/L
ê	Sb	121	11	10	2	14.8	-0.000002	**-0.0006**	ug/L
ë	Ba	138	82	65	10	15.6	-0.000023	**-0.0053**	ug/L
é>	Tm	169	1024880	1190193	4827	0.4	1190193.357040		ug/L
ê	Tl	205	13	9	5	55.6	-0.000005	**-0.0085**	ug/L
ë	Pb	208	43	35	12	35.3	-0.000012	**-0.0127**	ug/L

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C	13	35331	46148	322	0.7	10817.113920	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	130.541
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	117.659
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	114.335
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	116.130
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140477-BLK2
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 21:43:51
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 204

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\B140477-BLK2.109
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	4	3	66.1	-0.000012	**-0.1744**	ug/L
ê	Na	23	8305	17864	416	2.3	0.004896	**2.4569**	ug/L
ê	Mg	24	238	1648	25	1.5	0.000947	**-4.6275**	ug/L
ê	Al	27	1225	7051	411	5.8	0.003859	**-1.9742**	ug/L
ê	K	39	619876	791807	6997	0.9	-0.019142	**-6.5035**	ug/L
ê	Ca	44	4789	7267	120	1.6	0.000669	**8.9023**	ug/L
ê>	Sc	45	1065884	1407853	10817	0.8	1407853.028086		ug/L
ê	Cr	52	14356	19172	403	2.1	0.000148	**0.0689**	ug/L
ê	Cr	53	67	146	16	10.8	0.000041	**0.1860**	ug/L
ê	Mn	55	1312	1397	6	0.5	-0.000238	**-0.1602**	ug/L
ê	Fe	54	134900	223063	3116	1.4	0.031875	**263.5063**	ug/L
ê	Fe	57	10869	11619	238	2.0	-0.001944	**-56.9848**	ug/L
ê	Co	59	68	66	9	12.9	-0.000017	**-0.1050**	ug/L
ê	Ni	60	48	58	8	13.9	-0.000004	**-0.1718**	ug/L
ë	Ni	62	71	128	1	0.8	0.000024	**0.1108**	ug/L
é	Cu	65	10	20	4	18.0	0.000007	**-0.0978**	ug/L
ê	Cu	63	35	35	1	1.6	-0.000006	**-0.1249**	ug/L
ê	Zn	66	45	711	24	3.3	0.000533	**2.6848**	ug/L
ê	Zn	68	382	1149	69	6.0	0.000562	**4.2299**	ug/L
ê>	Ge	74	1032763	1232830	4227	0.3	1232830.097053		ug/L
ë	As	75	-107	-110	20	18.3	0.000015	**0.0337**	ug/L
é	Se	77	103	109	9	8.4	-0.000007	**0.0443**	ug/L
ê	Se	82	18	2	4	225.9	-0.000014	**-0.3238**	ug/L
ê	Mo	95	12	15	4	26.7	0.000001	**0.0092**	ug/L
ê	Mo	97	9	12	4	32.8	0.000002	**-0.0255**	ug/L
ê	Mo	98	21	23	6	27.1	-0.000001	**0.0167**	ug/L
ê	Ag	107	7	6	1	10.2	-0.000002	**-0.0086**	ug/L
ê	Ag	109	7	9	2	19.2	0.000001	**-0.0029**	ug/L
ê	Cd	111	4	3	3	100.0	-0.000001	**-0.0029**	ug/L
ê	Cd	114	28	29	5	17.6	-0.000003	**-0.0043**	ug/L
ê>	In	115	1125822	1282512	8680	0.7	1282512.020463		ug/L
ê	Sb	121	11	11	2	19.5	-0.000002	**-0.0003**	ug/L
ë	Ba	138	82	75	4	5.3	-0.000015	**-0.0031**	ug/L
é>	Tm	169	1024880	1182334	14463	1.2	1182334.080269		ug/L
ê	Tl	205	13	10	5	49.7	-0.000004	**-0.0082**	ug/L
ë	Pb	208	43	42	1	1.4	-0.000006	**-0.0112**	ug/L

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C	13	35331	47333	57	0.1	12001.644363	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	132.083
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	119.372
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	113.918
	Sb	121	
	Ba	138	
>	Tm	169	115.363
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140477-BLK3
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 21:47:45
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 205

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\B140477-BLK3.110
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	6	1	10.2	-0.000011	**-0.1671**	ug/L
ê	Na	23	8305	106806	1536	1.4	0.068205	**33.3001**	ug/L
ê	Mg	24	238	1855	83	4.5	0.001097	**-4.5163**	ug/L
ê	Al	27	1225	7480	145	1.9	0.004175	**-1.8022**	ug/L
ê	K	39	619876	787572	6307	0.8	-0.021291	**-7.4089**	ug/L
ê	Ca	44	4789	7443	151	2.0	0.000800	**11.0549**	ug/L
ê>	Sc	45	1065884	1406617	49130	3.5	1406616.787537		ug/L
ê	Cr	52	14356	18793	765	4.1	-0.000108	**-0.0870**	ug/L
ê	Cr	53	67	142	4	2.5	0.000038	**0.1709**	ug/L
ê	Mn	55	1312	1404	41	2.9	-0.000232	**-0.1571**	ug/L
ê	Fe	54	134900	218100	3425	1.6	0.028564	**234.0917**	ug/L
ê	Fe	57	10869	11806	378	3.2	-0.001803	**-53.7914**	ug/L
ê	Co	59	68	68	12	17.0	-0.000015	**-0.1042**	ug/L
ê	Ni	60	48	58	15	25.1	-0.000004	**-0.1716**	ug/L
ë	Ni	62	71	128	8	6.3	0.000025	**0.1163**	ug/L
é	Cu	65	10	22	2	9.6	0.000008	**-0.0942**	ug/L
ê	Cu	63	35	36	5	12.9	-0.000005	**-0.1242**	ug/L
ê	Zn	66	45	172	3	1.5	0.000098	**0.4535**	ug/L
ê	Zn	68	382	760	23	3.1	0.000254	**1.9518**	ug/L
ê>	Ge	74	1032763	1217870	34702	2.8	1217870.056997		ug/L
ë	As	75	-107	-114	16	13.8	0.000010	**0.0113**	ug/L
é	Se	77	103	106	12	10.9	-0.000010	**-0.1945**	ug/L
ê	Se	82	18	3	15	566.6	-0.000014	**-0.2820**	ug/L
ê	Mo	95	12	16	4	22.4	0.000002	**0.0102**	ug/L
ê	Mo	97	9	14	1	7.1	0.000003	**-0.0210**	ug/L
ê	Mo	98	21	26	3	10.5	0.000001	**0.0190**	ug/L
ê	Ag	107	7	4	3	58.1	-0.000003	**-0.0092**	ug/L
ê	Ag	109	7	4	1	13.3	-0.000003	**-0.0051**	ug/L
ê	Cd	111	4	4	3	66.1	-0.000000	**-0.0009**	ug/L
ê	Cd	114	28	23	9	37.1	-0.000007	**-0.0092**	ug/L
ê>	In	115	1125822	1295549	4770	0.4	1295548.514581		ug/L
ê	Sb	121	11	13	4	28.4	0.000000	**0.0015**	ug/L
ë	Ba	138	82	69	8	11.0	-0.000020	**-0.0045**	ug/L
é>	Tm	169	1024880	1187120	8146	0.7	1187119.972542		ug/L
ê	Tl	205	13	7	3	37.8	-0.000007	**-0.0091**	ug/L
ë	Pb	208	43	35	8	22.3	-0.000012	**-0.0126**	ug/L

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C	13	35331	46861	517	1.1	11529.430877	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	131.967
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	117.924
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	115.076
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	115.830
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140477-BLK4
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 21:51:39
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 206

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\B140477-BLK4.111
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	4	3	87.7	-0.000012	**-0.1755**	ug/L
ê	Na	23	8305	160622	2942	1.8	0.109496	**53.4169**	ug/L
ê	Mg	24	238	2331	4	0.2	0.001478	**-4.2316**	ug/L
ê	Al	27	1225	9474	499	5.3	0.005766	**-0.9358**	ug/L
ê	K	39	619876	787408	10178	1.3	-0.006718	**-1.2693**	ug/L
ê	Ca	44	4789	7518	66	0.9	0.000995	**14.2586**	ug/L
ê>	Sc	45	1065884	1369934	22751	1.7	1369933.981888		ug/L
ê	Cr	52	14356	18531	213	1.1	0.000060	**0.0149**	ug/L
ê	Cr	53	67	160	19	11.8	0.000054	**0.2568**	ug/L
ê	Mn	55	1312	1385	32	2.3	-0.000219	**-0.1513**	ug/L
ê	Fe	54	134900	214656	5343	2.5	0.030125	**247.9532**	ug/L
ê	Fe	57	10869	11258	263	2.3	-0.001978	**-57.7615**	ug/L
ê	Co	59	68	67	15	22.3	-0.000015	**-0.1039**	ug/L
ê	Ni	60	48	56	10	17.3	-0.000004	**-0.1720**	ug/L
ë	Ni	62	71	116	4	3.6	0.000018	**0.0149**	ug/L
é	Cu	65	10	21	4	20.8	0.000008	**-0.0945**	ug/L
ê	Cu	63	35	44	8	17.5	0.000003	**-0.1158**	ug/L
ê	Zn	66	45	182	18	10.1	0.000110	**0.5178**	ug/L
ê	Zn	68	382	734	34	4.6	0.000249	**1.9137**	ug/L
ê>	Ge	74	1032763	1186173	17167	1.4	1186173.004282		ug/L
ë	As	75	-107	-122	36	29.6	0.000001	**-0.0296**	ug/L
é	Se	77	103	105	8	7.8	-0.000009	**-0.1109**	ug/L
ê	Se	82	18	2	3	132.6	-0.000014	**-0.2935**	ug/L
ê	Mo	95	12	11	6	50.6	-0.000002	**0.0019**	ug/L
ê	Mo	97	9	11	5	41.7	0.000001	**-0.0280**	ug/L
ê	Mo	98	21	21	4	19.9	-0.000003	**0.0139**	ug/L
ê	Ag	107	7	9	2	16.4	0.000001	**-0.0068**	ug/L
ê	Ag	109	7	6	2	36.7	-0.000002	**-0.0044**	ug/L
ê	Cd	111	4	4	1	31.5	-0.000000	**-0.0014**	ug/L
ê	Cd	114	28	33	5	14.9	0.000001	**-0.0004**	ug/L
ê>	In	115	1125822	1267314	5370	0.4	1267314.082017		ug/L
ê	Sb	121	11	11	3	27.0	-0.000001	**0.0003**	ug/L
ë	Ba	138	82	69	3	4.4	-0.000019	**-0.0042**	ug/L
é>	Tm	169	1024880	1166925	3307	0.3	1166924.692562		ug/L
ê	Tl	205	13	8	3	41.9	-0.000006	**-0.0089**	ug/L
ë	Pb	208	43	43	8	19.5	-0.000005	**-0.0109**	ug/L

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C	13	35331	46396	402	0.9	11064.915965	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	128.526
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	114.854
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	112.568
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	113.860
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140477-BS1
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 21:55:32
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 207

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\B140477-BS1.112
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	1734	7	0.4	0.001255	**7.7331**	ug/L
ê	Na	23	8305	101635	1396	1.4	0.066635	**32.5355**	ug/L
ê	Mg	24	238	1309	29	2.2	0.000736	**-4.7851**	ug/L
ê	Al	27	1225	15430010	321830	2.1	11.298838	**6149.9061**	ug/L
ê	K	39	619876	777002	6724	0.9	-0.012436	**-3.6782**	ug/L
ê	Ca	44	4789	6561	143	2.2	0.000311	**3.0189**	ug/L
ê>	Sc	45	1065884	1365994	40749	3.0	1365994.353285		ug/L
ê	Cr	52	14356	96853	3294	3.4	0.057429	**34.8652**	ug/L
ê	Cr	53	67	9278	184	2.0	0.006731	**36.2090**	ug/L
ê	Mn	55	1312	452314	9311	2.1	0.330121	**153.8671**	ug/L
ê	Fe	54	134900	2093547	15578	0.7	1.406867	**12478.1823**	ug/L
ê	Fe	57	10869	709741	2861	0.4	0.509644	**11543.1166**	ug/L
ê	Co	59	68	49317	90	0.2	0.036059	**18.6916**	ug/L
ê	Ni	60	48	153	10	6.6	0.000067	**-0.0039**	ug/L
ë	Ni	62	71	143	4	3.0	0.000038	**0.3323**	ug/L
é	Cu	65	10	67008	1521	2.3	0.056166	**124.1416**	ug/L
ê	Cu	63	35	140099	2480	1.8	0.117425	**122.5074**	ug/L
ê	Zn	66	45	26796	237	0.9	0.022422	**114.7758**	ug/L
ê	Zn	68	382	18801	161	0.9	0.015392	**113.9181**	ug/L
ê>	Ge	74	1032763	1192777	3906	0.3	1192777.263996		ug/L
ë	As	75	-107	27260	155	0.6	0.022958	**105.8671**	ug/L
é	Se	77	103	381	18	4.7	0.000212	**18.0322**	ug/L
ê	Se	82	18	389	14	3.6	0.000294	**15.5468**	ug/L
ê	Mo	95	12	23	8	35.6	0.000008	**0.0251**	ug/L
ê	Mo	97	9	14	1	8.4	0.000003	**-0.0207**	ug/L
ê	Mo	98	21	29	6	20.7	0.000004	**0.0236**	ug/L
ê	Ag	107	7	19884	120	0.6	0.015824	**9.7004**	ug/L
ê	Ag	109	7	24797	352	1.4	0.019734	**11.3635**	ug/L
ê	Cd	111	4	1143	30	2.6	0.000907	**2.3902**	ug/L
ê	Cd	114	28	2686	96	3.6	0.002114	**2.3817**	ug/L
ê>	In	115	1125822	1256122	9333	0.7	1256121.943603		ug/L
ê	Sb	121	11	3520	55	1.6	0.002793	**2.5280**	ug/L
ë	Ba	138	82	99013	680	0.7	0.078752	**21.1727**	ug/L
é>	Tm	169	1024880	1172395	15943	1.4	1172395.217528		ug/L
ê	Tl	205	13	45257	736	1.6	0.038599	**12.2707**	ug/L
ë	Pb	208	43	86673	515	0.6	0.073898	**18.1141**	ug/L

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C	13	35331	46123	712	1.5	10791.373680	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	128.156
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	115.494
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	111.574
	Sb	121	
	Ba	138	
>	Tm	169	114.393
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140477-SRM1
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 21:59:26
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 208

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\B140477-SRM1.113
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	20	3	15.5	-0.000001	**-0.1046**	ug/L
ê	Na	23	8305	224742639	2979678	1.3	160.701753	**78292.5469**	ug/L
ê	Mg	24	238	9693099	98185	1.0	6.931298	**5164.2888**	ug/L
ê	Al	27	1225	19348178	293943	1.5	13.834126	**7530.7668**	ug/L
ê	K	39	619876	264264544	3907360	1.5	188.395726	**79372.9793**	ug/L
ê	Ca	44	4789	1328314	13095	1.0	0.945400	**15522.0603**	ug/L
ê>	Sc	45	1065884	1398499	22209	1.6	1398499.406076		ug/L
ê	Cr	52	14356	40596	542	1.3	0.015564	**9.4331**	ug/L
ê	Cr	53	67	4383	65	1.5	0.003071	**16.5007**	ug/L
ê	Mn	55	1312	75842	1607	2.1	0.053002	**24.6630**	ug/L
ê	Fe	54	134900	522834	6553	1.3	0.247404	**2178.1484**	ug/L
ê	Fe	57	10869	134145	3489	2.6	0.085743	**1931.2898**	ug/L
ê	Co	59	68	4040	57	1.4	0.002826	**1.3761**	ug/L
ê	Ni	60	48	4096	26	0.6	0.002884	**6.6626**	ug/L
ë	Ni	62	71	747	16	2.1	0.000468	**7.2089**	ug/L
é	Cu	65	10	53459	997	1.9	0.044469	**98.2634**	ug/L
ê	Cu	63	35	116474	2405	2.1	0.096872	**101.0438**	ug/L
ê	Zn	66	45	73772	376	0.5	0.061335	**314.0429**	ug/L
ê	Zn	68	382	50515	463	0.9	0.041658	**308.1848**	ug/L
ê>	Ge	74	1032763	1201928	1502	0.1	1201928.335268		ug/L
ë	As	75	-107	10112	140	1.4	0.008518	**39.2553**	ug/L
é	Se	77	103	593	44	7.4	0.000387	**32.4400**	ug/L
ê	Se	82	18	557	17	3.1	0.000434	**22.7680**	ug/L
ê	Mo	95	12	854	10	1.2	0.000678	**1.6400**	ug/L
ê	Mo	97	9	552	42	7.6	0.000438	**1.6335**	ug/L
ê	Mo	98	21	1382	13	0.9	0.001096	**1.5814**	ug/L
ê	Ag	107	7	325	14	4.3	0.000256	**0.1496**	ug/L
ê	Ag	109	7	366	7	1.8	0.000289	**0.1631**	ug/L
ê	Cd	111	4	899	25	2.7	0.000722	**1.9040**	ug/L
ê	Cd	114	28	2145	23	1.1	0.001706	**1.9214**	ug/L
ê>	In	115	1125822	1239503	8632	0.7	1239503.277042		ug/L
ê	Sb	121	11	72	10	14.2	0.000048	**0.0450**	ug/L
ë	Ba	138	82	138142	1473	1.1	0.111385	**29.9459**	ug/L
é>	Tm	169	1024880	1164959	17112	1.5	1164959.440663		ug/L
ê	Tl	205	13	249	2	0.6	0.000200	**0.0570**	ug/L
ë	Pb	208	43	6532	92	1.4	0.005566	**1.3554**	ug/L

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C	13	35331	279899	3014	1.1	244567.650674	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	131.206
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	116.380
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	110.098
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	113.668
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140477-SRM2
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 22:03:21
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 209

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\B140477-SRM2.114
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	15	4	24.0	-0.000004	**-0.1263**	ug/L
ê	Na	23	8305	322810357	7231464	2.2	228.153772	**111154.5756**	ug/L
ê	Mg	24	238	12439788	270895	2.2	8.790290	**6550.7949**	ug/L
ê	Al	27	1225	123154	5152	4.2	0.085865	**42.6909**	ug/L
ê	K	39	619876	287382909	4700135	1.6	202.546907	**85334.8943**	ug/L
ê	Ca	44	4789	1373243	18844	1.4	0.966042	**15861.0282**	ug/L
ê>	Sc	45	1065884	1415220	32134	2.3	1415219.817035		ug/L
ê	Cr	52	14356	38832	1326	3.4	0.013968	**8.4638**	ug/L
ê	Cr	53	67	4671	234	5.0	0.003238	**17.4024**	ug/L
ê	Mn	55	1312	271891	4242	1.6	0.190932	**88.9716**	ug/L
ê	Fe	54	134900	370715	6505	1.8	0.135452	**1183.6216**	ug/L
ê	Fe	57	10869	73538	964	1.3	0.041785	**934.5604**	ug/L
ê	Co	59	68	17435	150	0.9	0.012260	**6.2913**	ug/L
ê	Ni	60	48	16348	43	0.3	0.011510	**27.0761**	ug/L
ë	Ni	62	71	2590	32	1.2	0.001764	**27.9607**	ug/L
é	Cu	65	10	1607554	17445	1.1	1.325965	**2933.2497**	ug/L
ê	Cu	63	35	3604039	50202	1.4	2.972551	**3104.1124**	ug/L
ê	Zn	66	45	193262	2241	1.2	0.159373	**816.0894**	ug/L
ê	Zn	68	382	133008	863	0.6	0.109346	**808.8195**	ug/L
ê>	Ge	74	1032763	1212389	10247	0.8	1212388.673246		ug/L
ë	As	75	-107	98222	1374	1.4	0.081123	**374.1747**	ug/L
é	Se	77	103	1319	28	2.1	0.000981	**81.2900**	ug/L
ê	Se	82	18	1894	37	1.9	0.001524	**78.9311**	ug/L
ê	Mo	95	12	10264	333	3.2	0.008334	**20.0772**	ug/L
ê	Mo	97	9	6460	121	1.9	0.005246	**19.9417**	ug/L
ê	Mo	98	21	16750	351	2.1	0.013601	**19.4159**	ug/L
ê	Ag	107	7	107225	1025	1.0	0.087183	**53.4790**	ug/L
ê	Ag	109	7	128218	729	0.6	0.104249	**60.0450**	ug/L
ê	Cd	111	4	121437	1784	1.5	0.098733	**260.3344**	ug/L
ê	Cd	114	28	287674	2515	0.9	0.233887	**263.6723**	ug/L
ê>	In	115	1125822	1229881	11689	1.0	1229880.867954		ug/L
ê	Sb	121	11	534	47	8.8	0.000424	**0.3846**	ug/L
ë	Ba	138	82	7165	130	1.8	0.005753	**1.5475**	ug/L
é>	Tm	169	1024880	1164197	3503	0.3	1164196.729362		ug/L
ê	Tl	205	13	278	12	4.4	0.000226	**0.0651**	ug/L
ë	Pb	208	43	6324	142	2.3	0.005390	**1.3123**	ug/L

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C	13	35331	253450	3924	1.5	218118.563611	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	132.774
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	117.393
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	109.243
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	113.593
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVA

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 22:07:16
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCVA.115
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	4587	49	1.1	0.003610	**2.2424**	ug/L
ê	Na	23	8305	6802111	82031	1.2	5.368580	**261.5596**	ug/L
ê	Mg	24	238	4664411	72736	1.6	3.686410	**274.4129**	ug/L
ê	Al	27	1225	676903	2386	0.4	0.533907	**28.6719**	ug/L
ê	K	39	619876	9290330	147786	1.6	6.761690	**285.0272**	ug/L
ê	Ca	44	4789	466095	2646	0.6	0.363922	**597.3783**	ug/L
ê>	Sc	45	1065884	1265335	23245	1.8	1265335.147912		ug/L
ê	Cr	52	14356	75340	1060	1.4	0.046078	**2.7970**	ug/L
ê	Cr	53	67	6963	51	0.7	0.005441	**2.9260**	ug/L
ê	Mn	55	1312	32466	348	1.1	0.024430	**1.1341**	ug/L
ê	Fe	54	134900	283469	4096	1.4	0.097518	**84.6637**	ug/L
ê	Fe	57	10869	61774	336	0.5	0.038634	**86.3111**	ug/L
ê	Co	59	68	44169	1398	3.2	0.034842	**1.8057**	ug/L
ê	Ni	60	48	19491	388	2.0	0.015360	**3.6187**	ug/L
ë	Ni	62	71	2974	5	0.2	0.002285	**3.6286**	ug/L
é	Cu	65	10	12010	160	1.3	0.010547	**2.3221**	ug/L
ê	Cu	63	35	25912	224	0.9	0.022743	**2.3631**	ug/L
ê	Zn	66	45	8731	156	1.8	0.007632	**3.9034**	ug/L
ê	Zn	68	382	6570	34	0.5	0.005405	**4.0047**	ug/L
ê>	Ge	74	1032763	1137736	11452	1.0	1137735.521708		ug/L
ë	As	75	-107	12387	69	0.6	0.010992	**5.0671**	ug/L
é	Se	77	103	1676	69	4.1	0.001325	**10.9560**	ug/L
ê	Se	82	18	2075	34	1.6	0.001738	**8.9950**	ug/L
ê	Mo	95	12	2608	51	1.9	0.002194	**0.5290**	ug/L
ê	Mo	97	9	1633	46	2.8	0.001372	**0.5192**	ug/L
ê	Mo	98	21	4135	202	4.9	0.003475	**0.4974**	ug/L
ê	Ag	107	7	6239	110	1.8	0.005265	**0.3223**	ug/L
ê	Ag	109	7	7635	34	0.4	0.006446	**0.3709**	ug/L
ê	Cd	111	4	1796	35	2.0	0.001515	**0.3995**	ug/L
ê	Cd	114	28	4323	93	2.1	0.003628	**0.4089**	ug/L
ê>	In	115	1125822	1183436	14800	1.3	1183436.169144		ug/L
ê	Sb	121	11	5367	69	1.3	0.004525	**0.4095**	ug/L
ë	Ba	138	82	47234	550	1.2	0.039840	**1.0711**	ug/L
é>	Tm	169	1024880	1110882	22978	2.1	1110881.515569		ug/L
ê	Tl	205	13	6844	122	1.8	0.006149	**0.1949**	ug/L
ë	Pb	208	43	21954	210	1.0	0.019728	**0.4829**	ug/L

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C	13	35331	38077	932	2.4	2746.058334	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	118.712
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	110.164
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	105.118
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	108.391
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBA

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 22:11:11
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCBA.116
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	4	2	53.3	-0.000012	**-0.0171**	ug/L
ê	Na	23	8305	49699	382	0.8	0.031178	**1.5261**	ug/L
ê	Mg	24	238	1024	332	32.4	0.000579	**-0.4902**	ug/L
ê	Al	27	1225	1671	26	1.5	0.000162	**-0.3988**	ug/L
ê	K	39	619876	737560	6344	0.9	-0.003178	**0.0222**	ug/L
ê	Ca	44	4789	6415	31	0.5	0.000537	**0.6742**	ug/L
ê>	Sc	45	1065884	1275356	13809	1.1	1275355.988447		ug/L
ê	Cr	52	14356	17177	219	1.3	0.000002	**-0.0020**	ug/L
ê	Cr	53	67	105	13	12.3	0.000019	**0.0070**	ug/L
ê	Mn	55	1312	1312	51	3.9	-0.000202	**-0.0143**	ug/L
ê	Fe	54	134900	149922	2019	1.3	-0.008992	**-9.9540**	ug/L
ê	Fe	57	10869	10705	136	1.3	-0.001803	**-5.3789**	ug/L
ê	Co	59	68	69	14	20.5	-0.000009	**-0.0101**	ug/L
ê	Ni	60	48	58	11	19.3	0.000000	**-0.0162**	ug/L
ë	Ni	62	71	116	7	5.9	0.000024	**0.0108**	ug/L
é	Cu	65	10	52	4	6.8	0.000035	**-0.0034**	ug/L
ê	Cu	63	35	78	2	2.9	0.000034	**-0.0084**	ug/L
ê	Zn	66	45	64	6	9.8	0.000012	**0.0015**	ug/L
ê	Zn	68	382	559	24	4.3	0.000116	**0.0928**	ug/L
ê>	Ge	74	1032763	1150567	6806	0.6	1150566.834811		ug/L
ë	As	75	-107	-98	71	73.1	0.000019	**0.0054**	ug/L
é	Se	77	103	96	16	16.2	-0.000011	**-0.0281**	ug/L
ê	Se	82	18	2	14	585.5	-0.000014	**-0.0288**	ug/L
ê	Mo	95	12	17	5	29.4	0.000004	**0.0016**	ug/L
ê	Mo	97	9	13	1	7.7	0.000003	**-0.0020**	ug/L
ê	Mo	98	21	23	4	17.3	0.000001	**0.0018**	ug/L
ê	Ag	107	7	7	5	74.2	-0.000000	**-0.0008**	ug/L
ê	Ag	109	7	10	2	17.3	0.000002	**-0.0002**	ug/L
ê	Cd	111	4	1	1	43.3	-0.000002	**-0.0006**	ug/L
ê	Cd	114	28	33	7	21.6	0.000003	**0.0002**	ug/L
ê>	In	115	1125822	1188272	2613	0.2	1188272.213990		ug/L
ê	Sb	121	11	12	3	27.6	-0.000000	**0.0001**	ug/L
ë	Ba	138	82	104	14	13.4	0.000014	**0.0005**	ug/L
é>	Tm	169	1024880	1112550	1995	0.2	1112549.550256		ug/L
ê	Tl	205	13	6	2	27.0	-0.000008	**-0.0009**	ug/L
ë	Pb	208	43	50	4	8.4	0.000003	**-0.0009**	ug/L

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C	13	35331	37268	993	2.7	1936.597336	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	119.652
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	111.407
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	105.547
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	108.554
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-01
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 22:15:06
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 210

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-01.117
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	4	4	81.0	-0.000012	**-0.1733**	ug/L
ê	Na	23	8305	319427466	3046943	1.0	223.873806	**109069.4139**	ug/L
ê	Mg	24	238	57480563	1008664	1.8	40.279714	**30036.7910**	ug/L
ê	Al	27	1225	151834	1773	1.2	0.105263	**53.2563**	ug/L
ê	K	39	619876	28617557	70450	0.2	19.474837	**8206.3409**	ug/L
ê	Ca	44	4789	14687619	86204	0.6	10.288936	**168949.6918**	ug/L
ê>	Sc	45	1065884	1426963	16835	1.2	1426963.148278		ug/L
ê	Cr	52	14356	36291	932	2.6	0.011961	**7.2450**	ug/L
ê	Cr	53	67	3014	174	5.8	0.002048	**10.9943**	ug/L
ê	Mn	55	1312	29875	228	0.8	0.019708	**9.1399**	ug/L
ê	Fe	54	134900	254820	966	0.4	0.052027	**442.5215**	ug/L
ê	Fe	57	10869	14775	843	5.7	0.000162	**-9.2243**	ug/L
ê	Co	59	68	1387	43	3.1	0.000908	**0.3769**	ug/L
ê	Ni	60	48	-2321	73	3.1	-0.001672	**-4.1178**	ug/L
ë	Ni	62	71	327	6	1.9	0.000163	**2.3240**	ug/L
é	Cu	65	10	1506	11	0.7	0.001253	**2.6592**	ug/L
ê	Cu	63	35	6429	252	3.9	0.005357	**5.4749**	ug/L
ê	Zn	66	45	4847	104	2.1	0.004020	**20.5403**	ug/L
ê	Zn	68	382	3838	52	1.4	0.002848	**21.1363**	ug/L
ê>	Ge	74	1032763	1192716	4745	0.4	1192716.291632		ug/L
ë	As	75	-107	2363	43	1.8	0.002085	**9.5837**	ug/L
é	Se	77	103	278	16	5.6	0.000126	**10.9685**	ug/L
ê	Se	82	18	218	18	8.1	0.000155	**8.3884**	ug/L
ê	Mo	95	12	1789	83	4.6	0.001389	**3.3501**	ug/L
ê	Mo	97	9	1111	32	2.9	0.000861	**3.2443**	ug/L
ê	Mo	98	21	2762	19	0.7	0.002141	**3.0709**	ug/L
ê	Ag	107	7	31	4	12.9	0.000018	**0.0036**	ug/L
ê	Ag	109	7	49	7	14.2	0.000032	**0.0152**	ug/L
ê	Cd	111	4	30	6	20.9	0.000020	**0.0535**	ug/L
ê	Cd	114	28	98	7	7.4	0.000052	**0.0567**	ug/L
ê>	In	115	1125822	1279093	3977	0.3	1279092.686466		ug/L
ê	Sb	121	11	57	8	14.0	0.000035	**0.0327**	ug/L
ë	Ba	138	82	10843	129	1.2	0.008404	**2.2602**	ug/L
é>	Tm	169	1024880	1184502	6633	0.6	1184501.658579		ug/L
ê	Tl	205	13	22	5	20.8	0.000006	**-0.0050**	ug/L
ë	Pb	208	43	4157	10	0.2	0.003468	**0.8409**	ug/L

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C	13	35331	103411	723	0.7	68079.303379	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	133.876
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	115.488
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	113.614
	Sb	121	
	Ba	138	
>	Tm	169	115.575
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140477-DUP1
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 22:19:00
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 211

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\B140477-DUP1.118
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	5	3	53.9	-0.000012	**-0.1718**	ug/L
ê	Na	23	8305	326791939	3149804	1.0	229.534651	**111827.3273**	ug/L
ê	Mg	24	238	54927893	457479	0.8	38.586150	**28773.6672**	ug/L
ê	Al	27	1225	82341	117	0.1	0.056692	**26.8015**	ug/L
ê	K	39	619876	28198090	709824	2.5	19.226781	**8101.8347**	ug/L
ê	Ca	44	4789	12517517	162793	1.3	8.789413	**144326.4421**	ug/L
ê>	Sc	45	1065884	1423696	16241	1.1	1423696.344157		ug/L
ê	Cr	52	14356	37408	767	2.1	0.012812	**7.7614**	ug/L
ê	Cr	53	67	3190	73	2.3	0.002178	**11.6924**	ug/L
ê	Mn	55	1312	26809	279	1.0	0.017601	**8.1575**	ug/L
ê	Fe	54	134900	245177	1902	0.8	0.045666	**386.0156**	ug/L
ê	Fe	57	10869	15032	1310	8.7	0.000359	**-4.7549**	ug/L
ê	Co	59	68	1289	35	2.7	0.000842	**0.3424**	ug/L
ê	Ni	60	48	-1572	52	3.3	-0.001149	**-2.8817**	ug/L
ë	Ni	62	71	337	7	2.0	0.000170	**2.4403**	ug/L
é	Cu	65	10	1480	36	2.4	0.001220	**2.5865**	ug/L
ê	Cu	63	35	6240	175	2.8	0.005151	**5.2602**	ug/L
ê	Zn	66	45	4639	114	2.4	0.003812	**19.4754**	ug/L
ê	Zn	68	382	3765	38	1.0	0.002759	**20.4829**	ug/L
ê>	Ge	74	1032763	1203347	8292	0.7	1203346.997138		ug/L
ë	As	75	-107	2444	125	5.1	0.002136	**9.8169**	ug/L
é	Se	77	103	270	20	7.4	0.000119	**10.4118**	ug/L
ê	Se	82	18	234	15	6.3	0.000167	**9.0068**	ug/L
ê	Mo	95	12	1652	35	2.1	0.001280	**3.0876**	ug/L
ê	Mo	97	9	1003	23	2.2	0.000776	**2.9203**	ug/L
ê	Mo	98	21	2608	75	2.9	0.002018	**2.8953**	ug/L
ê	Ag	107	7	40	8	20.4	0.000025	**0.0077**	ug/L
ê	Ag	109	7	38	7	18.1	0.000023	**0.0100**	ug/L
ê	Cd	111	4	33	9	26.2	0.000023	**0.0596**	ug/L
ê	Cd	114	28	94	10	11.1	0.000048	**0.0531**	ug/L
ê>	In	115	1125822	1280582	2139	0.2	1280581.735015		ug/L
ê	Sb	121	11	44	7	16.4	0.000024	**0.0233**	ug/L
ë	Ba	138	82	9085	179	2.0	0.007022	**1.8885**	ug/L
é>	Tm	169	1024880	1205241	10384	0.9	1205241.266745		ug/L
ê	Tl	205	13	24	7	29.2	0.000007	**-0.0046**	ug/L
ë	Pb	208	43	2523	26	1.0	0.002052	**0.4936**	ug/L

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C	13	35331	103306	643	0.6	67974.547019	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	133.570
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	116.517
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	113.746
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	117.598
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140477-MS1
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 22:22:54
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 212

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\B140477-MS1.119
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	1845	42	2.3	0.001304	**8.0380**	ug/L
ê	Na	23	8305	326868285	4779106	1.5	233.674907	**113844.4235**	ug/L
ê	Mg	24	238	58786684	735548	1.3	42.029810	**31342.0780**	ug/L
ê	Al	27	1225	16356376	82545	0.5	11.692384	**6364.2533**	ug/L
ê	K	39	619876	29061735	833695	2.9	20.193040	**8508.9211**	ug/L
ê	Ca	44	4789	14592171	100403	0.7	10.427756	**171229.2206**	ug/L
ê>	Sc	45	1065884	1398772	9347	0.7	1398771.688943		ug/L
ê	Cr	52	14356	113777	2232	2.0	0.067876	**41.2115**	ug/L
ê	Cr	53	67	12128	316	2.6	0.008606	**46.3029**	ug/L
ê	Mn	55	1312	475390	5907	1.2	0.338627	**157.8328**	ug/L
ê	Fe	54	134900	2098899	96522	4.6	1.373945	**12185.7210**	ug/L
ê	Fe	57	10869	725197	7638	1.1	0.508277	**11512.1056**	ug/L
ê	Co	59	68	50457	136	0.3	0.036010	**18.6659**	ug/L
ê	Ni	60	48	-2583	26	1.0	-0.001892	**-4.6396**	ug/L
ë	Ni	62	71	436	1	0.2	0.000245	**3.6446**	ug/L
é	Cu	65	10	65411	837	1.3	0.055244	**122.1003**	ug/L
ê	Cu	63	35	142217	1702	1.2	0.120098	**125.2986**	ug/L
ê	Zn	66	45	32410	539	1.7	0.027335	**139.9347**	ug/L
ê	Zn	68	382	22921	384	1.7	0.018992	**140.5421**	ug/L
ê>	Ge	74	1032763	1183817	9904	0.8	1183817.397966		ug/L
ë	As	75	-107	31053	486	1.6	0.026337	**121.4529**	ug/L
é	Se	77	103	560	29	5.1	0.000351	**29.4450**	ug/L
ê	Se	82	18	653	16	2.5	0.000500	**26.1762**	ug/L
ê	Mo	95	12	1975	70	3.5	0.001551	**3.7403**	ug/L
ê	Mo	97	9	1215	57	4.7	0.000952	**3.5933**	ug/L
ê	Mo	98	21	3142	120	3.8	0.002464	**3.5314**	ug/L
ê	Ag	107	7	19334	383	2.0	0.015271	**9.3613**	ug/L
ê	Ag	109	7	24280	495	2.0	0.019179	**11.0439**	ug/L
ê	Cd	111	4	1181	19	1.6	0.000930	**2.4510**	ug/L
ê	Cd	114	28	2757	86	3.1	0.002153	**2.4262**	ug/L
ê>	In	115	1125822	1265493	7606	0.6	1265493.043068		ug/L
ê	Sb	121	11	3615	101	2.8	0.002846	**2.5764**	ug/L
ë	Ba	138	82	111685	1773	1.6	0.088181	**23.7075**	ug/L
é>	Tm	169	1024880	1174399	8845	0.8	1174398.518110		ug/L
ê	Tl	205	13	44639	799	1.8	0.037997	**12.0790**	ug/L
ë	Pb	208	43	87812	1059	1.2	0.074731	**18.3184**	ug/L

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C	13	35331	98770	326	0.3	63438.628369	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	131.231
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	114.626
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	112.406
	Sb	121	
	Ba	138	
>	Tm	169	114.589
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140477-MSD1
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 22:26:47
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 213

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\B140477-MSD1.120
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	1817	76	4.2	0.001295	**7.9819**	ug/L
ê	Na	23	8305	316874364	3283678	1.0	228.527166	**111336.4897**	ug/L
ê	Mg	24	238	61648429	1272456	2.1	44.460034	**33154.6310**	ug/L
ê	Al	27	1225	15927931	287237	1.8	11.484060	**6250.7884**	ug/L
ê	K	39	619876	27714467	436718	1.6	19.402166	**8175.7244**	ug/L
ê	Ca	44	4789	17240112	281387	1.6	12.426775	**204054.5515**	ug/L
ê>	Sc	45	1065884	1386845	21104	1.5	1386844.574437		ug/L
ê	Cr	52	14356	117019	373	0.3	0.070921	**43.0612**	ug/L
ê	Cr	53	67	11887	364	3.1	0.008507	**45.7677**	ug/L
ê	Mn	55	1312	477129	2870	0.6	0.342856	**159.8048**	ug/L
ê	Fe	54	134900	2112851	28038	1.3	1.396992	**12390.4558**	ug/L
ê	Fe	57	10869	707572	9994	1.4	0.500043	**11325.4171**	ug/L
ê	Co	59	68	50428	94	0.2	0.036303	**18.8187**	ug/L
ê	Ni	60	48	-3198	190	5.9	-0.002351	**-5.7252**	ug/L
ë	Ni	62	71	378	17	4.4	0.000206	**3.0232**	ug/L
é	Cu	65	10	65747	777	1.2	0.055677	**123.0586**	ug/L
ê	Cu	63	35	142687	1550	1.1	0.120820	**126.0530**	ug/L
ê	Zn	66	45	31551	709	2.2	0.026682	**136.5894**	ug/L
ê	Zn	68	382	22180	106	0.5	0.018416	**136.2840**	ug/L
ê>	Ge	74	1032763	1180641	5957	0.5	1180641.034348		ug/L
ë	As	75	-107	30683	73	0.2	0.026093	**120.3277**	ug/L
é	Se	77	103	522	22	4.3	0.000328	**27.5867**	ug/L
ê	Se	82	18	646	10	1.5	0.000504	**26.3676**	ug/L
ê	Mo	95	12	1877	85	4.5	0.001500	**3.6195**	ug/L
ê	Mo	97	9	1104	43	3.9	0.000880	**3.3193**	ug/L
ê	Mo	98	21	2950	65	2.2	0.002355	**3.3759**	ug/L
ê	Ag	107	7	18807	447	2.4	0.015125	**9.2720**	ug/L
ê	Ag	109	7	23947	217	0.9	0.019261	**11.0913**	ug/L
ê	Cd	111	4	1134	15	1.3	0.000909	**2.3975**	ug/L
ê	Cd	114	28	2707	30	1.1	0.002153	**2.4260**	ug/L
ê>	In	115	1125822	1242937	5819	0.5	1242936.719594		ug/L
ê	Sb	121	11	3502	62	1.8	0.002808	**2.5413**	ug/L
ë	Ba	138	82	111726	1677	1.5	0.089819	**24.1479**	ug/L
é>	Tm	169	1024880	1164474	8779	0.8	1164474.027954		ug/L
ê	Tl	205	13	43646	471	1.1	0.037468	**11.9109**	ug/L
ë	Pb	208	43	86745	1766	2.0	0.074447	**18.2485**	ug/L

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C	13	35331	92961	1294	1.4	57629.208845	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	130.112
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	114.319
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	110.403
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	113.621
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-02
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 22:30:42
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 214

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-02.121
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	7	1	8.7	-0.000010	**-0.1634**	ug/L
ê	Na	23	8305	336357154	5776867	1.7	233.363713	**113692.8126**	ug/L
ê	Mg	24	238	45098685	662479	1.5	31.289790	**23331.7676**	ug/L
ê	Al	27	1225	70496	2705	3.8	0.047766	**21.9401**	ug/L
ê	K	39	619876	32384473	866025	2.7	21.893168	**9225.1874**	ug/L
ê	Ca	44	4789	7801066	111880	1.4	5.408916	**88816.2307**	ug/L
ê>	Sc	45	1065884	1441286	14814	1.0	1441286.287771		ug/L
ê	Cr	52	14356	26425	375	1.4	0.004867	**2.9355**	ug/L
ê	Cr	53	67	1744	107	6.1	0.001146	**6.1396**	ug/L
ê	Mn	55	1312	13546	183	1.4	0.008169	**3.7599**	ug/L
ê	Fe	54	134900	240861	920	0.4	0.040562	**340.6740**	ug/L
ê	Fe	57	10869	12551	729	5.8	-0.001485	**-46.5670**	ug/L
ê	Co	59	68	1298	23	1.8	0.000837	**0.3397**	ug/L
ê	Ni	60	48	-1195	26	2.2	-0.000875	**-2.2319**	ug/L
ë	Ni	62	71	247	16	6.4	0.000105	**1.4036**	ug/L
é	Cu	65	10	1867	32	1.7	0.001537	**3.2872**	ug/L
ê	Cu	63	35	7497	83	1.1	0.006173	**6.3277**	ug/L
ê	Zn	66	45	3159	30	0.9	0.002573	**13.1270**	ug/L
ê	Zn	68	382	2702	34	1.3	0.001867	**13.8853**	ug/L
ê>	Ge	74	1032763	1207643	5268	0.4	1207642.584738		ug/L
ë	As	75	-107	2750	103	3.7	0.002381	**10.9487**	ug/L
é	Se	77	103	245	25	10.2	0.000098	**8.6665**	ug/L
ê	Se	82	18	229	17	7.2	0.000161	**8.7269**	ug/L
ê	Mo	95	12	1793	64	3.5	0.001374	**3.3152**	ug/L
ê	Mo	97	9	1105	46	4.1	0.000846	**3.1887**	ug/L
ê	Mo	98	21	2841	79	2.8	0.002176	**3.1209**	ug/L
ê	Ag	107	7	37	1	3.1	0.000022	**0.0061**	ug/L
ê	Ag	109	7	30	9	30.6	0.000016	**0.0062**	ug/L
ê	Cd	111	4	14	3	24.7	0.000008	**0.0196**	ug/L
ê	Cd	114	28	57	7	12.7	0.000019	**0.0200**	ug/L
ê>	In	115	1125822	1295232	22544	1.7	1295231.900231		ug/L
ê	Sb	121	11	32	3	8.9	0.000015	**0.0148**	ug/L
ë	Ba	138	82	6330	91	1.4	0.004814	**1.2951**	ug/L
é>	Tm	169	1024880	1208174	20198	1.7	1208173.988034		ug/L
ê	Tl	205	13	74	26	35.3	0.000048	**0.0084**	ug/L
ë	Pb	208	43	943	65	6.9	0.000739	**0.1716**	ug/L

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C	13	35331	89998	539	0.6	54666.294468	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	135.220
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	116.933
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	115.048
	Sb	121	
	Ba	138	
>	Tm	169	117.884
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-03
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 22:34:36
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 215

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-03.122
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	4	3	66.1	-0.000012	**-0.1748**	ug/L
ê	Na	23	8305	338116108	7086488	2.1	234.464927	**114229.3146**	ug/L
ê	Mg	24	238	48453718	424856	0.9	33.595241	**25051.2597**	ug/L
ê	Al	27	1225	106674	1115	1.0	0.072814	**35.5828**	ug/L
ê	K	39	619876	30350829	270135	0.9	20.462971	**8622.6433**	ug/L
ê	Ca	44	4789	7970708	61713	0.8	5.522096	**90674.7326**	ug/L
ê>	Sc	45	1065884	1442642	24397	1.7	1442641.993237		ug/L
ê	Cr	52	14356	25338	933	3.7	0.004097	**2.4676**	ug/L
ê	Cr	53	67	2199	107	4.9	0.001462	**7.8397**	ug/L
ê	Mn	55	1312	15151	277	1.8	0.009276	**4.2758**	ug/L
ê	Fe	54	134900	239342	1816	0.8	0.039390	**330.2593**	ug/L
ê	Fe	57	10869	14089	449	3.2	-0.000431	**-22.6650**	ug/L
ê	Co	59	68	1217	10	0.8	0.000781	**0.3104**	ug/L
ê	Ni	60	48	-209	35	17.0	-0.000189	**-0.6106**	ug/L
ë	Ni	62	71	398	29	7.3	0.000210	**3.0768**	ug/L
é	Cu	65	10	1999	49	2.5	0.001658	**3.5565**	ug/L
ê	Cu	63	35	7529	186	2.5	0.006245	**6.4022**	ug/L
ê	Zn	66	45	5798	226	3.9	0.004794	**24.5039**	ug/L
ê	Zn	68	382	4426	48	1.1	0.003322	**24.6414**	ug/L
ê>	Ge	74	1032763	1199142	18055	1.5	1199141.812119		ug/L
ë	As	75	-107	2968	97	3.3	0.002579	**11.8612**	ug/L
é	Se	77	103	321	17	5.2	0.000158	**13.6049**	ug/L
ê	Se	82	18	273	25	9.3	0.000196	**10.5179**	ug/L
ê	Mo	95	12	933	20	2.1	0.000715	**1.7271**	ug/L
ê	Mo	97	9	600	41	6.8	0.000458	**1.7123**	ug/L
ê	Mo	98	21	1555	27	1.7	0.001190	**1.7155**	ug/L
ê	Ag	107	7	31	4	14.1	0.000018	**0.0035**	ug/L
ê	Ag	109	7	26	3	11.5	0.000014	**0.0046**	ug/L
ê	Cd	111	4	26	9	33.1	0.000017	**0.0438**	ug/L
ê	Cd	114	28	77	11	13.7	0.000035	**0.0379**	ug/L
ê>	In	115	1125822	1286560	20457	1.6	1286559.852790		ug/L
ê	Sb	121	11	47	1	2.4	0.000027	**0.0255**	ug/L
ë	Ba	138	82	6402	210	3.3	0.004903	**1.3188**	ug/L
é>	Tm	169	1024880	1205494	6801	0.6	1205494.410142		ug/L
ê	Tl	205	13	17	4	23.3	0.000001	**-0.0064**	ug/L
ë	Pb	208	43	1134	35	3.1	0.000899	**0.2109**	ug/L

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C	13	35331	108149	1529	1.4	72817.233692	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	135.347
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	116.110
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	114.277
	Sb	121	
	Ba	138	
>	Tm	169	117.623
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-04
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 22:38:30
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 216

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-04.123
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	2	1	50.0	-0.000014	**-0.1834**	ug/L
ê	Na	23	8305	376767224	3446704	0.9	265.319835	**129261.5534**	ug/L
ê	Mg	24	238	47291003	575989	1.2	33.303622	**24833.7593**	ug/L
ê	Al	27	1225	102848	3389	3.3	0.071278	**34.7461**	ug/L
ê	K	39	619876	36117138	584802	1.6	24.854167	**10472.6612**	ug/L
ê	Ca	44	4789	5375980	79427	1.5	3.781122	**62086.6684**	ug/L
ê>	Sc	45	1065884	1420071	16177	1.1	1420071.426869		ug/L
ê	Cr	52	14356	26422	848	3.2	0.005135	**3.0983**	ug/L
ê	Cr	53	67	2564	29	1.1	0.001743	**9.3493**	ug/L
ê	Mn	55	1312	18124	149	0.8	0.011534	**5.3285**	ug/L
ê	Fe	54	134900	240158	4367	1.8	0.042571	**358.5187**	ug/L
ê	Fe	57	10869	16359	390	2.4	0.001322	**17.0683**	ug/L
ê	Co	59	68	1791	16	0.9	0.001198	**0.5277**	ug/L
ê	Ni	60	48	-265	53	20.0	-0.000232	**-0.7112**	ug/L
ë	Ni	62	71	322	9	2.8	0.000160	**2.2853**	ug/L
é	Cu	65	10	1354	4	0.3	0.001116	**2.3576**	ug/L
ê	Cu	63	35	6441	165	2.6	0.005323	**5.4398**	ug/L
ê	Zn	66	45	4287	100	2.3	0.003523	**17.9916**	ug/L
ê	Zn	68	382	3414	48	1.4	0.002470	**18.3409**	ug/L
ê>	Ge	74	1032763	1202150	10083	0.8	1202149.915292		ug/L
ë	As	75	-107	4715	108	2.3	0.004026	**18.5344**	ug/L
é	Se	77	103	358	17	4.7	0.000187	**16.0025**	ug/L
ê	Se	82	18	335	29	8.7	0.000245	**13.0417**	ug/L
ê	Mo	95	12	983	6	0.6	0.000755	**1.8236**	ug/L
ê	Mo	97	9	598	16	2.6	0.000457	**1.7089**	ug/L
ê	Mo	98	21	1517	24	1.5	0.001162	**1.6749**	ug/L
ê	Ag	107	7	20	5	26.5	0.000009	**-0.0017**	ug/L
ê	Ag	109	7	19	2	10.5	0.000008	**0.0015**	ug/L
ê	Cd	111	4	24	5	21.7	0.000015	**0.0396**	ug/L
ê	Cd	114	28	77	6	8.4	0.000035	**0.0378**	ug/L
ê>	In	115	1125822	1285017	8262	0.6	1285017.368354		ug/L
ê	Sb	121	11	189	6	3.0	0.000137	**0.1255**	ug/L
ë	Ba	138	82	5123	107	2.1	0.003914	**1.0530**	ug/L
é>	Tm	169	1024880	1196613	10753	0.9	1196613.063526		ug/L
ê	Tl	205	13	14	4	24.5	-0.000001	**-0.0071**	ug/L
ë	Pb	208	43	674	37	5.4	0.000521	**0.1183**	ug/L

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C	13	35331	106162	1416	1.3	70830.742311	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	133.229
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	116.401
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	114.140
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	116.756
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-05
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 22:42:24
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 217

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-05.124
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	5	2	28.6	-0.000011	**-0.1692**	ug/L
ê	Na	23	8305	331078109	2809749	0.8	228.919865	**111527.8094**	ug/L
ê	Mg	24	238	58616262	199912	0.3	40.532137	**30225.0573**	ug/L
ê	Al	27	1225	240982	5178	2.1	0.165536	**86.0843**	ug/L
ê	K	39	619876	31289378	256654	0.8	21.052644	**8871.0735**	ug/L
ê	Ca	44	4789	14066227	96573	0.7	9.723014	**159656.8313**	ug/L
ê>	Sc	45	1065884	1446504	28076	1.9	1446503.993846		ug/L
ê	Cr	52	14356	38480	745	1.9	0.013137	**7.9591**	ug/L
ê	Cr	53	67	3598	53	1.5	0.002425	**13.0231**	ug/L
ê	Mn	55	1312	33488	197	0.6	0.021925	**10.1733**	ug/L
ê	Fe	54	134900	256386	1537	0.6	0.050718	**430.8955**	ug/L
ê	Fe	57	10869	17365	812	4.7	0.001809	**28.1232**	ug/L
ê	Co	59	68	1699	6	0.3	0.001111	**0.4827**	ug/L
ê	Ni	60	48	-1644	68	4.1	-0.001182	**-2.9595**	ug/L
ë	Ni	62	71	389	6	1.5	0.000203	**2.9641**	ug/L
é	Cu	65	10	2817	48	1.7	0.002331	**5.0446**	ug/L
ê	Cu	63	35	9305	114	1.2	0.007698	**7.9195**	ug/L
ê	Zn	66	45	5872	102	1.7	0.004836	**24.7199**	ug/L
ê	Zn	68	382	4516	114	2.5	0.003383	**25.0937**	ug/L
ê>	Ge	74	1032763	1203596	16570	1.4	1203595.595058		ug/L
ë	As	75	-107	3177	46	1.5	0.002744	**12.6215**	ug/L
é	Se	77	103	331	10	3.1	0.000170	**14.6383**	ug/L
ê	Se	82	18	327	8	2.5	0.000244	**12.9747**	ug/L
ê	Mo	95	12	4541	40	0.9	0.003589	**8.6493**	ug/L
ê	Mo	97	9	2895	29	1.0	0.002287	**8.6758**	ug/L
ê	Mo	98	21	7296	110	1.5	0.005763	**8.2373**	ug/L
ê	Ag	107	7	50	7	14.3	0.000033	**0.0129**	ug/L
ê	Ag	109	7	52	5	9.8	0.000035	**0.0169**	ug/L
ê	Cd	111	4	30	6	18.6	0.000020	**0.0529**	ug/L
ê	Cd	114	28	95	16	17.0	0.000050	**0.0551**	ug/L
ê>	In	115	1125822	1261994	19445	1.5	1261994.140616		ug/L
ê	Sb	121	11	52	9	18.1	0.000031	**0.0297**	ug/L
ë	Ba	138	82	14524	207	1.4	0.011437	**3.0757**	ug/L
é>	Tm	169	1024880	1194169	15337	1.3	1194169.188654		ug/L
ê	Tl	205	13	27	4	14.8	0.000010	**-0.0038**	ug/L
ë	Pb	208	43	2894	126	4.3	0.002381	**0.5744**	ug/L

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C	13	35331	106340	368	0.3	71008.346138	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	135.709
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	116.541
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	112.095
	Sb	121	
	Ba	138	
>	Tm	169	116.518
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-06
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 22:46:18
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 218

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-06.125
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	6	3	53.9	-0.000011	**-0.1675**	ug/L
ê	Na	23	8305	375075308	4802396	1.3	263.185926	**128221.9318**	ug/L
ê	Mg	24	238	65647569	1646231	2.5	46.057990	**34346.4460**	ug/L
ê	Al	27	1225	401510	6959	1.7	0.280575	**148.7407**	ug/L
ê	K	39	619876	27316562	394911	1.4	18.586212	**7831.9620**	ug/L
ê	Ca	44	4789	16833858	423053	2.5	11.807299	**193882.3040**	ug/L
ê>	Sc	45	1065884	1425294	31549	2.2	1425294.270436		ug/L
ê	Cr	52	14356	28080	882	3.1	0.006245	**3.7727**	ug/L
ê	Cr	53	67	2324	35	1.5	0.001568	**8.4107**	ug/L
ê	Mn	55	1312	29380	305	1.0	0.019386	**8.9897**	ug/L
ê	Fe	54	134900	261335	3185	1.2	0.056841	**485.2881**	ug/L
ê	Fe	57	10869	18449	440	2.4	0.002755	**49.5688**	ug/L
ê	Co	59	68	1350	19	1.4	0.000884	**0.3641**	ug/L
ê	Ni	60	48	-2489	27	1.1	-0.001792	**-4.4019**	ug/L
ë	Ni	62	71	349	33	9.4	0.000179	**2.5798**	ug/L
é	Cu	65	10	2261	43	1.9	0.001894	**4.0773**	ug/L
ê	Cu	63	35	8490	244	2.9	0.007113	**7.3094**	ug/L
ê	Zn	66	45	2836	62	2.2	0.002343	**11.9537**	ug/L
ê	Zn	68	382	2532	27	1.1	0.001761	**13.1000**	ug/L
ê>	Ge	74	1032763	1188014	8068	0.7	1188013.505305		ug/L
ë	As	75	-107	2000	100	5.0	0.001788	**8.2109**	ug/L
é	Se	77	103	279	18	6.6	0.000127	**11.0965**	ug/L
ê	Se	82	18	233	25	10.6	0.000167	**9.0286**	ug/L
ê	Mo	95	12	4379	77	1.8	0.003429	**8.2646**	ug/L
ê	Mo	97	9	2745	101	3.7	0.002149	**8.1483**	ug/L
ê	Mo	98	21	7120	95	1.3	0.005573	**7.9665**	ug/L
ê	Ag	107	7	25	12	47.1	0.000014	**0.0010**	ug/L
ê	Ag	109	7	24	2	8.8	0.000012	**0.0037**	ug/L
ê	Cd	111	4	18	5	27.9	0.000011	**0.0275**	ug/L
ê	Cd	114	28	56	12	20.9	0.000019	**0.0197**	ug/L
ê>	In	115	1125822	1273393	12372	1.0	1273392.813945		ug/L
ê	Sb	121	11	51	2	3.0	0.000030	**0.0287**	ug/L
ë	Ba	138	82	13236	277	2.1	0.010321	**2.7755**	ug/L
é>	Tm	169	1024880	1203192	3428	0.3	1203191.508502		ug/L
ê	Tl	205	13	25	8	32.8	0.000008	**-0.0044**	ug/L
ë	Pb	208	43	7212	116	1.6	0.005953	**1.4503**	ug/L

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C	13	35331	89413	834	0.9	54081.985273	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	133.719
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	115.033
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	113.108
	Sb	121	
	Ba	138	
>	Tm	169	117.398
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVB

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 22:50:13
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCVB.126
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	4854	139	2.9	0.003640	**2.2608**	ug/L
ê	Na	23	8305	7495717	76196	1.0	5.634940	**274.5364**	ug/L
ê	Mg	24	238	5062419	61307	1.2	3.811081	**283.7113**	ug/L
ê	Al	27	1225	740787	7588	1.0	0.556538	**29.9046**	ug/L
ê	K	39	619876	9689982	159241	1.6	6.714001	**283.0180**	ug/L
ê	Ca	44	4789	484705	1355	0.3	0.360413	**591.6159**	ug/L
ê>	Sc	45	1065884	1328424	13966	1.1	1328423.644232		ug/L
ê	Cr	52	14356	79309	2320	2.9	0.046229	**2.8062**	ug/L
ê	Cr	53	67	7216	51	0.7	0.005369	**2.8876**	ug/L
ê	Mn	55	1312	33182	584	1.8	0.023748	**1.1023**	ug/L
ê	Fe	54	134900	295242	4999	1.7	0.095731	**83.0762**	ug/L
ê	Fe	57	10869	65676	756	1.2	0.039249	**87.7064**	ug/L
ê	Co	59	68	44560	872	2.0	0.033479	**1.7347**	ug/L
ê	Ni	60	48	19931	146	0.7	0.014959	**3.5237**	ug/L
ë	Ni	62	71	3069	56	1.8	0.002243	**3.5626**	ug/L
é	Cu	65	10	12210	115	0.9	0.010574	**2.3279**	ug/L
ê	Cu	63	35	25675	79	0.3	0.022221	**2.3086**	ug/L
ê	Zn	66	45	8825	162	1.8	0.007606	**3.8905**	ug/L
ê	Zn	68	382	6679	141	2.1	0.005419	**4.0150**	ug/L
ê>	Ge	74	1032763	1153812	13062	1.1	1153811.770851		ug/L
ë	As	75	-107	13036	238	1.8	0.011402	**5.2563**	ug/L
é	Se	77	103	1647	29	1.8	0.001247	**10.3107**	ug/L
ê	Se	82	18	2175	71	3.3	0.001752	**9.0646**	ug/L
ê	Mo	95	12	2666	45	1.7	0.002155	**0.5197**	ug/L
ê	Mo	97	9	1641	43	2.6	0.001326	**0.5015**	ug/L
ê	Mo	98	21	4155	41	1.0	0.003357	**0.4805**	ug/L
ê	Ag	107	7	5795	181	3.1	0.004702	**0.2877**	ug/L
ê	Ag	109	7	7319	93	1.3	0.005940	**0.3418**	ug/L
ê	Cd	111	4	1808	56	3.1	0.001466	**0.3866**	ug/L
ê	Cd	114	28	4405	113	2.6	0.003554	**0.4005**	ug/L
ê>	In	115	1125822	1230787	4702	0.4	1230787.492982		ug/L
ê	Sb	121	11	5421	40	0.7	0.004395	**0.3977**	ug/L
ë	Ba	138	82	49843	612	1.2	0.040425	**1.0869**	ug/L
é>	Tm	169	1024880	1133704	9797	0.9	1133703.744221		ug/L
ê	Tl	205	13	6937	59	0.9	0.006106	**0.1935**	ug/L
ë	Pb	208	43	22349	507	2.3	0.019672	**0.4815**	ug/L

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C	13	35331	38605	381	1.0	3274.122605	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	124.631
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	111.721
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	109.323
	Sb	121	
	Ba	138	
>	Tm	169	110.618
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBB

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 22:54:07
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCBB.127
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	5	2	34.6	-0.000011	**-0.0168**	ug/L
ê	Na	23	8305	53311	212	0.4	0.033557	**1.6420**	ug/L
ê	Mg	24	238	514	13	2.6	0.000175	**-0.5203**	ug/L
ê	Al	27	1225	1654	36	2.2	0.000134	**-0.4003**	ug/L
ê	K	39	619876	791246	8429	1.1	0.032146	**1.5104**	ug/L
ê	Ca	44	4789	6802	86	1.3	0.000782	**1.0759**	ug/L
ê>	Sc	45	1065884	1289617	23630	1.8	1289617.121327		ug/L
ê	Cr	52	14356	17870	291	1.6	0.000394	**0.0218**	ug/L
ê	Cr	53	67	155	16	10.1	0.000057	**0.0273**	ug/L
ê	Mn	55	1312	1405	22	1.5	-0.000141	**-0.0115**	ug/L
ê	Fe	54	134900	154161	1478	1.0	-0.006983	**-8.1691**	ug/L
ê	Fe	57	10869	11895	152	1.3	-0.000971	**-3.4914**	ug/L
ê	Co	59	68	70	9	12.7	-0.000009	**-0.0101**	ug/L
ê	Ni	60	48	47	3	6.2	-0.000009	**-0.0183**	ug/L
ë	Ni	62	71	138	15	10.7	0.000040	**0.0367**	ug/L
é	Cu	65	10	39	11	29.1	0.000025	**-0.0058**	ug/L
ê	Cu	63	35	65	7	10.8	0.000023	**-0.0095**	ug/L
ê	Zn	66	45	83	13	15.7	0.000029	**0.0104**	ug/L
ê	Zn	68	382	612	20	3.3	0.000168	**0.1315**	ug/L
ê>	Ge	74	1032763	1138321	14020	1.2	1138320.503072		ug/L
ë	As	75	-107	-88	34	38.9	0.000027	**0.0089**	ug/L
é	Se	77	103	94	8	8.7	-0.000015	**-0.0627**	ug/L
ê	Se	82	18	14	8	55.4	-0.000004	**0.0190**	ug/L
ê	Mo	95	12	12	4	28.5	-0.000000	**0.0005**	ug/L
ê	Mo	97	9	10	3	31.1	0.000001	**-0.0030**	ug/L
ê	Mo	98	21	20	3	14.7	-0.000003	**0.0014**	ug/L
ê	Ag	107	7	11	5	46.2	0.000002	**-0.0006**	ug/L
ê	Ag	109	7	7	3	45.8	-0.000001	**-0.0004**	ug/L
ê	Cd	111	4	5	2	32.7	0.000001	**0.0001**	ug/L
ê	Cd	114	28	30	5	15.9	-0.000000	**-0.0002**	ug/L
ê>	In	115	1125822	1223614	5984	0.5	1223614.095792		ug/L
ê	Sb	121	11	6	1	18.2	-0.000005	**-0.0003**	ug/L
ë	Ba	138	82	98	19	19.2	0.000007	**0.0003**	ug/L
é>	Tm	169	1024880	1115048	4325	0.4	1115047.810553		ug/L
ê	Tl	205	13	6	2	40.8	-0.000008	**-0.0009**	ug/L
ë	Pb	208	43	43	5	10.4	-0.000003	**-0.0010**	ug/L

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C	13	35331	37349	66	0.2	2017.451927	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	120.990
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	110.221
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	108.686
	Sb	121	
	Ba	138	
>	Tm	169	108.798
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-07
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 22:58:03
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 219

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-07.128
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	6	2	28.9	-0.000011	**-0.1655**	ug/L
ê	Na	23	8305	358928106	3248861	0.9	255.437903	**124447.1632**	ug/L
ê	Mg	24	238	50076027	917241	1.8	35.638060	**26574.8705**	ug/L
ê	Al	27	1225	383695	5981	1.6	0.271936	**144.0355**	ug/L
ê	K	39	619876	31638080	999710	3.2	21.933785	**9242.2997**	ug/L
ê	Ca	44	4789	9233030	199400	2.2	6.566281	**107820.9977**	ug/L
ê>	Sc	45	1065884	1405126	8861	0.6	1405126.399265		ug/L
ê	Cr	52	14356	24526	304	1.2	0.003987	**2.4005**	ug/L
ê	Cr	53	67	2591	41	1.6	0.001781	**9.5564**	ug/L
ê	Mn	55	1312	32552	280	0.9	0.021936	**10.1785**	ug/L
ê	Fe	54	134900	269656	5974	2.2	0.065370	**561.0519**	ug/L
ê	Fe	57	10869	24732	198	0.8	0.007405	**155.0049**	ug/L
ê	Co	59	68	1559	53	3.4	0.001046	**0.4487**	ug/L
ê	Ni	60	48	-897	120	13.4	-0.000684	**-1.7798**	ug/L
ë	Ni	62	71	342	13	3.8	0.000177	**2.5480**	ug/L
é	Cu	65	10	2073	38	1.8	0.001737	**3.7315**	ug/L
ê	Cu	63	35	7819	199	2.6	0.006555	**6.7264**	ug/L
ê	Zn	66	45	6038	29	0.5	0.005045	**25.7882**	ug/L
ê	Zn	68	382	4736	64	1.4	0.003622	**26.8589**	ug/L
ê>	Ge	74	1032763	1186711	13868	1.2	1186710.929345		ug/L
ë	As	75	-107	4584	56	1.2	0.003967	**18.2634**	ug/L
é	Se	77	103	331	17	5.0	0.000170	**14.5711**	ug/L
ê	Se	82	18	299	27	9.0	0.000220	**11.7652**	ug/L
ê	Mo	95	12	4345	54	1.2	0.003422	**8.2466**	ug/L
ê	Mo	97	9	2631	59	2.2	0.002070	**7.8500**	ug/L
ê	Mo	98	21	6744	178	2.6	0.005307	**7.5871**	ug/L
ê	Ag	107	7	42	9	21.8	0.000027	**0.0091**	ug/L
ê	Ag	109	7	54	7	12.4	0.000036	**0.0174**	ug/L
ê	Cd	111	4	24	3	12.9	0.000015	**0.0402**	ug/L
ê	Cd	114	28	65	1	2.3	0.000026	**0.0284**	ug/L
ê>	In	115	1125822	1266140	9945	0.8	1266139.578343		ug/L
ê	Sb	121	11	35	4	12.0	0.000017	**0.0170**	ug/L
ë	Ba	138	82	7975	134	1.7	0.006226	**1.6747**	ug/L
é>	Tm	169	1024880	1180368	12817	1.1	1180368.497315		ug/L
ê	Tl	205	13	13	4	27.7	-0.000002	**-0.0075**	ug/L
ë	Pb	208	43	1184	26	2.2	0.000962	**0.2263**	ug/L

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C	13	35331	93968	1041	1.1	58636.419327	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	131.827
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	114.906
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	112.464
	Sb	121	
	Ba	138	
>	Tm	169	115.171
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-08
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 23:01:57
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 220

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-08.129
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	6	4	55.5	-0.000011	**-0.1646**	ug/L
ê	Na	23	8305	299949888	3331238	1.1	208.714919	**101684.1378**	ug/L
ê	Mg	24	238	43449797	468074	1.1	30.234641	**22544.7978**	ug/L
ê	Al	27	1225	336940	6872	2.0	0.233271	**122.9764**	ug/L
ê	K	39	619876	23745122	344466	1.5	15.941000	**6717.5299**	ug/L
ê	Ca	44	4789	7170709	98727	1.4	4.984792	**81851.8089**	ug/L
ê>	Sc	45	1065884	1437287	19687	1.4	1437287.294307		ug/L
ê	Cr	52	14356	26042	821	3.2	0.004649	**2.8028**	ug/L
ê	Cr	53	67	2435	35	1.5	0.001631	**8.7505**	ug/L
ê	Mn	55	1312	18218	393	2.2	0.011444	**5.2866**	ug/L
ê	Fe	54	134900	253108	4261	1.7	0.049542	**420.4455**	ug/L
ê	Fe	57	10869	22617	398	1.8	0.005540	**112.7121**	ug/L
ê	Co	59	68	1606	36	2.2	0.001054	**0.4528**	ug/L
ê	Ni	60	48	-719	144	20.0	-0.000545	**-1.4511**	ug/L
ë	Ni	62	71	317	4	1.1	0.000154	**2.1895**	ug/L
é	Cu	65	10	1688	45	2.6	0.001385	**2.9510**	ug/L
ê	Cu	63	35	6470	169	2.6	0.005308	**5.4239**	ug/L
ê	Zn	66	45	2092	51	2.4	0.001685	**8.5799**	ug/L
ê	Zn	68	382	2078	87	4.2	0.001347	**10.0345**	ug/L
ê>	Ge	74	1032763	1211030	19035	1.6	1211030.364737		ug/L
ë	As	75	-107	1460	59	4.1	0.001310	**6.0063**	ug/L
é	Se	77	103	294	13	4.6	0.000140	**12.0958**	ug/L
ê	Se	82	18	249	12	4.8	0.000181	**9.7281**	ug/L
ê	Mo	95	12	3569	167	4.7	0.002801	**6.7526**	ug/L
ê	Mo	97	9	2243	40	1.8	0.001759	**6.6652**	ug/L
ê	Mo	98	21	5709	144	2.5	0.004478	**6.4050**	ug/L
ê	Ag	107	7	20	4	20.5	0.000010	**-0.0014**	ug/L
ê	Ag	109	7	20	1	5.7	0.000010	**0.0022**	ug/L
ê	Cd	111	4	21	7	33.3	0.000014	**0.0353**	ug/L
ê	Cd	114	28	62	5	7.7	0.000024	**0.0257**	ug/L
ê>	In	115	1125822	1269433	3829	0.3	1269433.469410		ug/L
ê	Sb	121	11	32	1	3.1	0.000015	**0.0150**	ug/L
ë	Ba	138	82	6745	62	0.9	0.005240	**1.4096**	ug/L
é>	Tm	169	1024880	1182830	9086	0.8	1182830.111777		ug/L
ê	Tl	205	13	14	2	14.3	-0.000001	**-0.0072**	ug/L
ë	Pb	208	43	562	11	2.0	0.000434	**0.0967**	ug/L

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C	13	35331	105282	220	0.2	69950.552623	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	134.845
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	117.261
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	112.756
	Sb	121	
	Ba	138	
>	Tm	169	115.412
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-09
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 23:05:51
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 221

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-09.130
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	21	5	22.9	-0.000000	**-0.1000**	ug/L
ê	Na	23	8305	344987874	2862696	0.8	246.259113	**119975.3380**	ug/L
ê	Mg	24	238	53383084	302646	0.6	38.104292	**28414.2790**	ug/L
ê	Al	27	1225	10118591	14040	0.1	7.221588	**3929.2066**	ug/L
ê	K	39	619876	78195472	1057665	1.4	55.239829	**23274.1888**	ug/L
ê	Ca	44	4789	30743262	457914	1.5	21.940241	**360272.5474**	ug/L
ê>	Sc	45	1065884	1401094	19121	1.4	1401093.846128		ug/L
ê	Cr	52	14356	61169	1084	1.8	0.030188	**18.3172**	ug/L
ê	Cr	53	67	5665	81	1.4	0.003980	**21.3938**	ug/L
ê	Mn	55	1312	285792	3797	1.3	0.202797	**94.5034**	ug/L
ê	Fe	54	134900	1005262	5807	0.6	0.590981	**5230.2976**	ug/L
ê	Fe	57	10869	297069	1234	0.4	0.201862	**4564.2579**	ug/L
ê	Co	59	68	5999	89	1.5	0.004219	**2.1019**	ug/L
ê	Ni	60	48	-316	192	60.8	-0.000270	**-0.8002**	ug/L
ë	Ni	62	71	1424	48	3.4	0.000949	**14.9172**	ug/L
é	Cu	65	10	3750	57	1.5	0.003244	**7.0643**	ug/L
ê	Cu	63	35	10961	99	0.9	0.009475	**9.7754**	ug/L
ê	Zn	66	45	7738	138	1.8	0.006670	**34.1092**	ug/L
ê	Zn	68	382	6201	80	1.3	0.005010	**37.1284**	ug/L
ê>	Ge	74	1032763	1152830	13986	1.2	1152829.907321		ug/L
ë	As	75	-107	36725	237	0.6	0.031965	**147.4133**	ug/L
é	Se	77	103	160	19	11.9	0.000038	**3.7474**	ug/L
ê	Se	82	18	10064	144	1.4	0.008168	**421.1436**	ug/L
ê	Mo	95	12	1716	17	1.0	0.001385	**3.3416**	ug/L
ê	Mo	97	9	1389	32	2.3	0.001122	**4.2404**	ug/L
ê	Mo	98	21	1319	55	4.2	0.001054	**1.5203**	ug/L
ê	Ag	107	7	353	20	5.6	0.000281	**0.1650**	ug/L
ê	Ag	109	7	416	22	5.2	0.000331	**0.1877**	ug/L
ê	Cd	111	4	154	15	9.8	0.000122	**0.3220**	ug/L
ê	Cd	114	28	389	4	1.1	0.000292	**0.3275**	ug/L
ê>	In	115	1125822	1229658	8654	0.7	1229657.548468		ug/L
ê	Sb	121	11	385	15	4.0	0.000303	**0.2752**	ug/L
ë	Ba	138	82	222537	3442	1.5	0.180896	**48.6334**	ug/L
é>	Tm	169	1024880	1133699	12088	1.1	1133698.744554		ug/L
ê	Tl	205	13	200	19	9.4	0.000164	**0.0452**	ug/L
ë	Pb	208	43	21690	363	1.7	0.019090	**4.6723**	ug/L

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C	13	35331	78909	1037	1.3	43577.381371	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	131.449
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	111.626
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	109.223
	Sb	121	
	Ba	138	
>	Tm	169	110.618
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-10
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 23:09:45
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 222

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-10.131
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	11	2	18.2	-0.000007	**-0.1439**	ug/L
ê	Na	23	8305	329535913	3224000	1.0	231.951681	**113004.8833**	ug/L
ê	Mg	24	238	40680623	483034	1.2	28.635190	**21351.8673**	ug/L
ê	Al	27	1225	5181418	66901	1.3	3.646024	**1981.7535**	ug/L
ê	K	39	619876	71552465	53760	0.1	49.781922	**20974.7640**	ug/L
ê	Ca	44	4789	15889718	239601	1.5	11.179268	**183569.5913**	ug/L
ê>	Sc	45	1065884	1420774	10488	0.7	1420773.637070		ug/L
ê	Cr	52	14356	46220	941	2.0	0.019062	**11.5586**	ug/L
ê	Cr	53	67	4006	52	1.3	0.002756	**14.8061**	ug/L
ê	Mn	55	1312	143080	1532	1.1	0.099481	**46.3330**	ug/L
ê	Fe	54	134900	643900	5968	0.9	0.326667	**2882.2782**	ug/L
ê	Fe	57	10869	164902	889	0.5	0.105870	**2387.6569**	ug/L
ê	Co	59	68	2905	117	4.0	0.001981	**0.9358**	ug/L
ê	Ni	60	48	1269	142	11.2	0.000849	**1.8460**	ug/L
ë	Ni	62	71	993	33	3.4	0.000632	**9.8432**	ug/L
é	Cu	65	10	3103	33	1.1	0.002578	**5.5912**	ug/L
ê	Cu	63	35	9526	146	1.5	0.007909	**8.1400**	ug/L
ê	Zn	66	45	5607	146	2.6	0.004632	**23.6720**	ug/L
ê	Zn	68	382	4467	102	2.3	0.003355	**24.8865**	ug/L
ê>	Ge	74	1032763	1199193	7923	0.7	1199192.738341		ug/L
ë	As	75	-107	37765	464	1.2	0.031595	**145.7087**	ug/L
é	Se	77	103	156	17	10.9	0.000032	**3.2768**	ug/L
ê	Se	82	18	11473	148	1.3	0.009124	**470.3808**	ug/L
ê	Mo	95	12	1839	55	3.0	0.001455	**3.5109**	ug/L
ê	Mo	97	9	1529	24	1.5	0.001211	**4.5769**	ug/L
ê	Mo	98	21	1055	88	8.4	0.000821	**1.1887**	ug/L
ê	Ag	107	7	369	19	5.2	0.000288	**0.1691**	ug/L
ê	Ag	109	7	437	37	8.4	0.000342	**0.1937**	ug/L
ê	Cd	111	4	182	11	6.2	0.000142	**0.3733**	ug/L
ê	Cd	114	28	481	4	0.9	0.000359	**0.4029**	ug/L
ê>	In	115	1125822	1255218	8793	0.7	1255217.530458		ug/L
ê	Sb	121	11	286	12	4.0	0.000218	**0.1981**	ug/L
ë	Ba	138	82	88766	587	0.7	0.070645	**18.9932**	ug/L
é>	Tm	169	1024880	1149875	6840	0.6	1149874.638818		ug/L
ê	Tl	205	13	212	19	9.0	0.000171	**0.0477**	ug/L
ë	Pb	208	43	15241	163	1.1	0.013213	**3.2309**	ug/L

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C	13	35331	84984	1178	1.4	49652.755671	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	133.295
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	116.115
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	111.493
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	112.196
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-11
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 23:13:38
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 223

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-11.132
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	10	2	20.1	-0.000008	**-0.1466**	ug/L
ê	Na	23	8305	354154588	8091230	2.3	250.791008	**122183.2369**	ug/L
ê	Mg	24	238	55007704	370775	0.7	38.959586	**29052.1895**	ug/L
ê	Al	27	1225	2477233	21331	0.9	1.753580	**951.0224**	ug/L
ê	K	39	619876	70270741	1315784	1.9	49.185895	**20723.6567**	ug/L
ê	Ca	44	4789	21273840	394625	1.9	15.061237	**247314.3161**	ug/L
ê>	Sc	45	1065884	1412020	20846	1.5	1412020.154163		ug/L
ê	Cr	52	14356	36352	325	0.9	0.012278	**7.4374**	ug/L
ê	Cr	53	67	2859	25	0.9	0.001962	**10.5296**	ug/L
ê	Mn	55	1312	119614	941	0.8	0.083499	**38.8817**	ug/L
ê	Fe	54	134900	466665	6803	1.5	0.204015	**1792.6997**	ug/L
ê	Fe	57	10869	95548	3201	3.3	0.057464	**1290.0693**	ug/L
ê	Co	59	68	3680	104	2.8	0.002543	**1.2288**	ug/L
ê	Ni	60	48	-920	189	20.5	-0.000696	**-1.8084**	ug/L
ë	Ni	62	71	856	21	2.5	0.000540	**8.3633**	ug/L
é	Cu	65	10	2404	40	1.6	0.001993	**4.2961**	ug/L
ê	Cu	63	35	8146	96	1.2	0.006752	**6.9318**	ug/L
ê	Zn	66	45	5537	154	2.8	0.004569	**23.3504**	ug/L
ê	Zn	68	382	8553	24	0.3	0.006755	**50.0312**	ug/L
ê>	Ge	74	1032763	1200687	18454	1.5	1200686.810440		ug/L
ë	As	75	-107	38915	1174	3.0	0.032517	**149.9588**	ug/L
é	Se	77	103	171	9	5.3	0.000045	**4.3567**	ug/L
ê	Se	82	18	12045	363	3.0	0.009667	**498.3254**	ug/L
ê	Mo	95	12	1934	66	3.4	0.001544	**3.7249**	ug/L
ê	Mo	97	9	1612	24	1.5	0.001288	**4.8727**	ug/L
ê	Mo	98	21	1302	32	2.5	0.001028	**1.4838**	ug/L
ê	Ag	107	7	401	5	1.2	0.000316	**0.1864**	ug/L
ê	Ag	109	7	496	10	2.0	0.000393	**0.2229**	ug/L
ê	Cd	111	4	240	26	11.0	0.000189	**0.4988**	ug/L
ê	Cd	114	28	575	29	5.1	0.000437	**0.4915**	ug/L
ê>	In	115	1125822	1243856	8995	0.7	1243856.466629		ug/L
ê	Sb	121	11	264	32	11.9	0.000202	**0.1839**	ug/L
ë	Ba	138	82	2141701	30212	1.4	1.721803	**462.8940**	ug/L
é>	Tm	169	1024880	1150115	14432	1.3	1150114.522714		ug/L
ê	Tl	205	13	181	15	8.0	0.000145	**0.0392**	ug/L
ë	Pb	208	43	19195	416	2.2	0.016648	**4.0734**	ug/L

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C	13	35331	86510	417	0.5	51178.846545	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	132.474
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	116.260
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	110.484
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	112.219
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140477-DUP2
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 23:17:32
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 224

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\B140477-DUP2.133
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	8	4	48.5	-0.000009	**-0.1559**	ug/L
ê	Na	23	8305	361252914	3040776	0.8	251.780177	**122665.1514**	ug/L
ê	Mg	24	238	36383474	495847	1.4	25.360416	**18909.4175**	ug/L
ê	Al	27	1225	1838045	18684	1.0	1.280055	**693.1138**	ug/L
ê	K	39	619876	73117548	616434	0.8	50.383050	**21228.0203**	ug/L
ê	Ca	44	4789	9347982	292976	3.1	6.510114	**106898.6947**	ug/L
ê>	Sc	45	1065884	1434756	11533	0.8	1434756.032160		ug/L
ê	Cr	52	14356	31907	987	3.1	0.008769	**5.3056**	ug/L
ê	Cr	53	67	2486	67	2.7	0.001669	**8.9552**	ug/L
ê	Mn	55	1312	72467	791	1.1	0.049278	**22.9266**	ug/L
ê	Fe	54	134900	383790	1898	0.5	0.140939	**1232.3709**	ug/L
ê	Fe	57	10869	69242	1492	2.2	0.038067	**850.2580**	ug/L
ê	Co	59	68	2433	33	1.4	0.001632	**0.7540**	ug/L
ê	Ni	60	48	803	154	19.1	0.000515	**1.0561**	ug/L
ë	Ni	62	71	708	28	4.0	0.000427	**6.5498**	ug/L
é	Cu	65	10	1977	39	2.0	0.001633	**3.5005**	ug/L
ê	Cu	63	35	7555	82	1.1	0.006242	**6.3997**	ug/L
ê	Zn	66	45	4033	74	1.8	0.003307	**16.8903**	ug/L
ê	Zn	68	382	6946	297	4.3	0.005400	**40.0116**	ug/L
ê>	Ge	74	1032763	1203952	18188	1.5	1203951.630942		ug/L
ë	As	75	-107	38151	374	1.0	0.031795	**146.6322**	ug/L
é	Se	77	103	165	8	4.8	0.000038	**3.7686**	ug/L
ê	Se	82	18	12055	103	0.9	0.009485	**488.9572**	ug/L
ê	Mo	95	12	1897	4	0.2	0.001485	**3.5826**	ug/L
ê	Mo	97	9	1636	46	2.8	0.001282	**4.8476**	ug/L
ê	Mo	98	21	993	24	2.5	0.000763	**1.1064**	ug/L
ê	Ag	107	7	291	11	3.8	0.000223	**0.1293**	ug/L
ê	Ag	109	7	355	21	5.9	0.000273	**0.1542**	ug/L
ê	Cd	111	4	208	9	4.5	0.000161	**0.4239**	ug/L
ê	Cd	114	28	501	32	6.4	0.000370	**0.4156**	ug/L
ê>	In	115	1125822	1268877	1265	0.1	1268877.226085		ug/L
ê	Sb	121	11	223	12	5.4	0.000166	**0.1514**	ug/L
ë	Ba	138	82	1804492	25014	1.4	1.422033	**382.3031**	ug/L
é>	Tm	169	1024880	1160355	7396	0.6	1160354.785894		ug/L
ê	Tl	205	13	155	16	10.1	0.000120	**0.0314**	ug/L
ë	Pb	208	43	15168	305	2.0	0.013030	**3.1859**	ug/L

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C	13	35331	84392	394	0.5	49060.565420	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	134.607
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	116.576
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	112.707
	Sb	121	
	Ba	138	
>	Tm	169	113.219
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140477-MS2
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 23:21:26
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 225

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\B140477-MS2.134
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	1824	31	1.7	0.001274	**7.8488**	ug/L
ê	Na	23	8305	326708597	4558775	1.4	230.848721	**112467.5306**	ug/L
ê	Mg	24	238	64486573	515521	0.8	45.570838	**33983.1103**	ug/L
ê	Al	27	1225	19290041	331491	1.7	13.628936	**7419.0089**	ug/L
ê	K	39	619876	64265668	452874	0.7	44.832111	**18889.4006**	ug/L
ê	Ca	44	4789	36792435	572070	1.6	25.992873	**426819.6972**	ug/L
ê>	Sc	45	1065884	1415202	17183	1.2	1415202.310944		ug/L
ê	Cr	52	14356	125297	2342	1.9	0.075065	**45.5787**	ug/L
ê	Cr	53	67	12948	104	0.8	0.009088	**48.8949**	ug/L
ê	Mn	55	1312	614147	7868	1.3	0.432820	**201.7498**	ug/L
ê	Fe	54	134900	2419870	19232	0.8	1.583503	**14047.3204**	ug/L
ê	Fe	57	10869	816245	12311	1.5	0.566687	**12836.5409**	ug/L
ê	Co	59	68	52121	1438	2.8	0.036765	**19.0591**	ug/L
ê	Ni	60	48	-5547	526	9.5	-0.003962	**-9.5386**	ug/L
ë	Ni	62	71	917	16	1.8	0.000581	**9.0265**	ug/L
é	Cu	65	10	63975	1172	1.8	0.055568	**122.8172**	ug/L
ê	Cu	63	35	137190	2555	1.9	0.119147	**124.3063**	ug/L
ê	Zn	66	45	30767	281	0.9	0.026683	**136.5964**	ug/L
ê	Zn	68	382	26278	401	1.5	0.022457	**166.1691**	ug/L
ê>	Ge	74	1032763	1151283	10344	0.9	1151282.800160		ug/L
ë	As	75	-107	62776	844	1.3	0.054636	**251.9909**	ug/L
é	Se	77	103	476	15	3.2	0.000301	**25.4031**	ug/L
ê	Se	82	18	11232	123	1.1	0.009268	**477.7744**	ug/L
ê	Mo	95	12	1393	8	0.6	0.001141	**2.7543**	ug/L
ê	Mo	97	9	1174	14	1.2	0.000962	**3.6319**	ug/L
ê	Mo	98	21	933	30	3.3	0.000752	**1.0904**	ug/L
ê	Ag	107	7	18290	596	3.3	0.015109	**9.2620**	ug/L
ê	Ag	109	7	22718	381	1.7	0.018769	**10.8080**	ug/L
ê	Cd	111	4	1282	70	5.4	0.001057	**2.7862**	ug/L
ê	Cd	114	28	3056	63	2.1	0.002501	**2.8182**	ug/L
ê>	In	115	1125822	1210036	20517	1.7	1210036.052559		ug/L
ê	Sb	121	11	3570	91	2.6	0.002941	**2.6618**	ug/L
ë	Ba	138	82	2664351	14999	0.6	2.202247	**592.0575**	ug/L
é>	Tm	169	1024880	1117191	15364	1.4	1117191.126352		ug/L
ê	Tl	205	13	40731	956	2.3	0.036443	**11.5847**	ug/L
ë	Pb	208	43	100781	2015	2.0	0.090164	**22.1032**	ug/L

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C	13	35331	78520	1100	1.4	43188.249162	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	132.773
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	111.476
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	107.480
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	109.007
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140477-MSD2
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 23:25:19
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 226

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\B140477-MSD2.135
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	1818	64	3.5	0.001267	**7.8066**	ug/L
ê	Na	23	8305	326692011	2135559	0.7	230.399045	**112248.4524**	ug/L
ê	Mg	24	238	32070731	291721	0.9	22.617760	**16863.8415**	ug/L
ê	Al	27	1225	18002450	438917	2.4	12.693297	**6909.4071**	ug/L
ê	K	39	619876	70382591	1246838	1.8	49.055153	**20668.5748**	ug/L
ê	Ca	44	4789	6348045	50776	0.8	4.472832	**73445.0458**	ug/L
ê>	Sc	45	1065884	1418030	22067	1.6	1418029.661425		ug/L
ê	Cr	52	14356	109888	2866	2.6	0.064017	**38.8671**	ug/L
ê	Cr	53	67	11015	74	0.7	0.007705	**41.4520**	ug/L
ê	Mn	55	1312	530870	10009	1.9	0.373243	**173.9724**	ug/L
ê	Fe	54	134900	2304233	46272	2.0	1.498591	**13293.0063**	ug/L
ê	Fe	57	10869	773939	6314	0.8	0.535723	**12134.4368**	ug/L
ê	Co	59	68	50785	233	0.5	0.035756	**18.5335**	ug/L
ê	Ni	60	48	1611	16	1.0	0.001091	**2.4197**	ug/L
ë	Ni	62	71	790	73	9.3	0.000490	**7.5719**	ug/L
é	Cu	65	10	67079	361	0.5	0.056017	**123.8115**	ug/L
ê	Cu	63	35	147485	1414	1.0	0.123147	**128.4835**	ug/L
ê	Zn	66	45	32025	273	0.9	0.026705	**136.7051**	ug/L
ê	Zn	68	382	25670	146	0.6	0.021070	**155.9133**	ug/L
ê>	Ge	74	1032763	1197325	6978	0.6	1197325.127571		ug/L
ë	As	75	-107	69241	906	1.3	0.057935	**267.2119**	ug/L
é	Se	77	103	431	21	4.9	0.000259	**21.9379**	ug/L
ê	Se	82	18	13322	111	0.8	0.010837	**558.6262**	ug/L
ê	Mo	95	12	1686	27	1.6	0.001363	**3.2883**	ug/L
ê	Mo	97	9	1358	31	2.3	0.001099	**4.1502**	ug/L
ê	Mo	98	21	1095	27	2.5	0.000873	**1.2634**	ug/L
ê	Ag	107	7	18918	433	2.3	0.015405	**9.4434**	ug/L
ê	Ag	109	7	24128	150	0.6	0.019649	**11.3146**	ug/L
ê	Cd	111	4	1319	25	1.9	0.001072	**2.8252**	ug/L
ê	Cd	114	28	3176	102	3.2	0.002562	**2.8869**	ug/L
ê>	In	115	1125822	1227557	9889	0.8	1227557.056889		ug/L
ê	Sb	121	11	3586	80	2.2	0.002911	**2.6348**	ug/L
ë	Ba	138	82	1670586	30068	1.8	1.360778	**365.8354**	ug/L
é>	Tm	169	1024880	1139518	11705	1.0	1139517.620356		ug/L
ê	Tl	205	13	42264	476	1.1	0.037079	**11.7872**	ug/L
ë	Pb	208	43	106005	1861	1.8	0.092994	**22.7973**	ug/L

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C	13	35331	82738	338	0.4	47406.598473	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	133.038
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	115.934
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	109.037
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	111.185
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVC

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 23:29:14
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCVC.136
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	4641	48	1.0	0.003540	**2.1983**	ug/L
ê	Na	23	8305	7178083	86699	1.2	5.488867	**267.4199**	ug/L
ê	Mg	24	238	4896599	84477	1.7	3.749021	**279.0827**	ug/L
ê	Al	27	1225	721804	20462	2.8	0.551477	**29.6290**	ug/L
ê	K	39	619876	9606249	101165	1.1	6.774393	**285.5624**	ug/L
ê	Ca	44	4789	479037	4508	0.9	0.362324	**594.7534**	ug/L
ê>	Sc	45	1065884	1305968	15083	1.2	1305968.381778		ug/L
ê	Cr	52	14356	76280	1029	1.3	0.044940	**2.7279**	ug/L
ê	Cr	53	67	6910	174	2.5	0.005228	**2.8114**	ug/L
ê	Mn	55	1312	32344	43	0.1	0.023538	**1.0925**	ug/L
ê	Fe	54	134900	286628	2359	0.8	0.092920	**80.5793**	ug/L
ê	Fe	57	10869	62096	441	0.7	0.037357	**83.4145**	ug/L
ê	Co	59	68	44052	295	0.7	0.033673	**1.7448**	ug/L
ê	Ni	60	48	19324	194	1.0	0.014753	**3.4748**	ug/L
ë	Ni	62	71	2992	45	1.5	0.002225	**3.5328**	ug/L
é	Cu	65	10	11826	360	3.0	0.010474	**2.3060**	ug/L
ê	Cu	63	35	25479	719	2.8	0.022554	**2.3434**	ug/L
ê	Zn	66	45	8790	153	1.7	0.007747	**3.9623**	ug/L
ê	Zn	68	382	6410	94	1.5	0.005311	**3.9356**	ug/L
ê>	Ge	74	1032763	1128387	17275	1.5	1128387.448103		ug/L
ë	As	75	-107	13226	164	1.2	0.011828	**5.4526**	ug/L
é	Se	77	103	1590	23	1.4	0.001240	**10.2562**	ug/L
ê	Se	82	18	2270	12	0.5	0.001885	**9.7504**	ug/L
ê	Mo	95	12	2673	95	3.6	0.002228	**0.5372**	ug/L
ê	Mo	97	9	1620	48	3.0	0.001348	**0.5101**	ug/L
ê	Mo	98	21	4203	106	2.5	0.003500	**0.5010**	ug/L
ê	Ag	107	7	5842	64	1.1	0.004884	**0.2989**	ug/L
ê	Ag	109	7	7330	131	1.8	0.006130	**0.3527**	ug/L
ê	Cd	111	4	1798	57	3.1	0.001501	**0.3958**	ug/L
ê	Cd	114	28	4239	78	1.8	0.003523	**0.3971**	ug/L
ê>	In	115	1125822	1194618	17072	1.4	1194617.615485		ug/L
ê	Sb	121	11	5390	49	0.9	0.004502	**0.4074**	ug/L
ë	Ba	138	82	47776	279	0.6	0.039923	**1.0734**	ug/L
é>	Tm	169	1024880	1108687	5735	0.5	1108687.188817		ug/L
ê	Tl	205	13	6723	43	0.6	0.006051	**0.1918**	ug/L
ë	Pb	208	43	21703	206	0.9	0.019534	**0.4781**	ug/L

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C	13	35331	37136	491	1.3	1804.570194	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	122.524
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	109.259
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	106.111
	Sb	121	
	Ba	138	
>	Tm	169	108.177
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBC

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 03, 2014 23:33:08
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCBC.137
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	3	3	86.6	-0.000012	**-0.0176**	ug/L
ê	Na	23	8305	53225	380	0.7	0.033632	**1.6457**	ug/L
ê	Mg	24	238	490	13	2.7	0.000158	**-0.5216**	ug/L
ê	Al	27	1225	1689	50	2.9	0.000166	**-0.3986**	ug/L
ê	K	39	619876	754834	9032	1.2	0.005906	**0.4049**	ug/L
ê	Ca	44	4789	5930	106	1.8	0.000122	**-0.0078**	ug/L
ê>	Sc	45	1065884	1284876	7805	0.6	1284875.612443		ug/L
ê	Cr	52	14356	17202	188	1.1	-0.000079	**-0.0070**	ug/L
ê	Cr	53	67	116	24	20.7	0.000027	**0.0111**	ug/L
ê	Mn	55	1312	1352	15	1.1	-0.000178	**-0.0132**	ug/L
ê	Fe	54	134900	154844	3502	2.3	-0.006052	**-7.3418**	ug/L
ê	Fe	57	10869	10751	254	2.4	-0.001830	**-5.4387**	ug/L
ê	Co	59	68	64	4	6.5	-0.000013	**-0.0103**	ug/L
ê	Ni	60	48	52	5	10.5	-0.000004	**-0.0173**	ug/L
ë	Ni	62	71	127	17	13.7	0.000032	**0.0241**	ug/L
é	Cu	65	10	44	7	15.7	0.000030	**-0.0046**	ug/L
ê	Cu	63	35	71	6	7.8	0.000030	**-0.0088**	ug/L
ê	Zn	66	45	79	14	17.1	0.000028	**0.0097**	ug/L
ê	Zn	68	382	614	21	3.5	0.000184	**0.1436**	ug/L
ê>	Ge	74	1032763	1108938	15332	1.4	1108938.130566		ug/L
ë	As	75	-107	16	11	71.2	0.000118	**0.0510**	ug/L
é	Se	77	103	91	5	5.2	-0.000015	**-0.0644**	ug/L
ê	Se	82	18	33	9	27.3	0.000012	**0.1050**	ug/L
ê	Mo	95	12	17	5	30.6	0.000004	**0.0015**	ug/L
ê	Mo	97	9	13	3	20.4	0.000003	**-0.0021**	ug/L
ê	Mo	98	21	14	8	52.3	-0.000007	**0.0008**	ug/L
ê	Ag	107	7	8	1	12.5	0.000000	**-0.0007**	ug/L
ê	Ag	109	7	5	1	20.0	-0.000002	**-0.0005**	ug/L
ê	Cd	111	4	2	1	24.7	-0.000001	**-0.0004**	ug/L
ê	Cd	114	28	23	4	17.8	-0.000006	**-0.0008**	ug/L
ê>	In	115	1125822	1195740	15298	1.3	1195740.089047		ug/L
ê	Sb	121	11	10	3	26.5	-0.000002	**-0.0000**	ug/L
ë	Ba	138	82	106	4	3.8	0.000016	**0.0005**	ug/L
é>	Tm	169	1024880	1083389	4080	0.4	1083389.157980		ug/L
ê	Tl	205	13	5	2	34.6	-0.000008	**-0.0009**	ug/L
ë	Pb	208	43	36	4	9.8	-0.000009	**-0.0012**	ug/L

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C	13	35331	36223	381	1.1	891.561613	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	120.546
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	107.376
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	106.210
	Sb	121	
	Ba	138	
>	Tm	169	105.709
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-12
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 23:37:03
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 227

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-12.138
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	8	5	62.5	-0.000009	**-0.1570**	ug/L
ê	Na	23	8305	368306205	2384037	0.6	260.844946	**127081.4269**	ug/L
ê	Mg	24	238	34374971	60886	0.2	24.346463	**18153.1733**	ug/L
ê	Al	27	1225	1828936	13966	0.8	1.294342	**700.8954**	ug/L
ê	K	39	619876	79175850	1140028	1.4	55.487226	**23378.4175**	ug/L
ê	Ca	44	4789	7196658	68328	0.9	5.092301	**83617.1864**	ug/L
ê>	Sc	45	1065884	1412333	29598	2.1	1412333.196338		ug/L
ê	Cr	52	14356	28738	478	1.7	0.006886	**4.1620**	ug/L
ê	Cr	53	67	1943	169	8.7	0.001311	**7.0252**	ug/L
ê	Mn	55	1312	75890	474	0.6	0.052522	**24.4390**	ug/L
ê	Fe	54	134900	363491	7117	2.0	0.130910	**1143.2738**	ug/L
ê	Fe	57	10869	63585	239	0.4	0.034836	**776.9922**	ug/L
ê	Co	59	68	2495	66	2.7	0.001703	**0.7910**	ug/L
ê	Ni	60	48	1368	110	8.0	0.000923	**2.0215**	ug/L
ë	Ni	62	71	695	51	7.3	0.000425	**6.5246**	ug/L
é	Cu	65	10	1693	41	2.4	0.001418	**3.0239**	ug/L
ê	Cu	63	35	7047	55	0.8	0.005907	**6.0494**	ug/L
ê	Zn	66	45	3975	3	0.1	0.003307	**16.8902**	ug/L
ê	Zn	68	382	3499	41	1.2	0.002580	**19.1559**	ug/L
ê>	Ge	74	1032763	1186358	18495	1.6	1186358.475828		ug/L
ë	As	75	-107	44274	230	0.5	0.037430	**172.6241**	ug/L
é	Se	77	103	168	6	3.6	0.000044	**4.2557**	ug/L
ê	Se	82	18	14356	84	0.6	0.011579	**596.8305**	ug/L
ê	Mo	95	12	2398	154	6.4	0.001926	**4.6449**	ug/L
ê	Mo	97	9	2031	149	7.3	0.001633	**6.1848**	ug/L
ê	Mo	98	21	1236	23	1.9	0.000979	**1.4144**	ug/L
ê	Ag	107	7	272	13	4.6	0.000214	**0.1236**	ug/L
ê	Ag	109	7	330	16	4.8	0.000260	**0.1466**	ug/L
ê	Cd	111	4	255	9	3.3	0.000203	**0.5347**	ug/L
ê	Cd	114	28	609	34	5.6	0.000467	**0.5255**	ug/L
ê>	In	115	1125822	1238247	16541	1.3	1238246.768489		ug/L
ê	Sb	121	11	267	18	6.9	0.000205	**0.1872**	ug/L
ë	Ba	138	82	167212	2300	1.4	0.134967	**36.2857**	ug/L
é>	Tm	169	1024880	1147716	5369	0.5	1147715.581618		ug/L
ê	Tl	205	13	138	4	2.9	0.000107	**0.0273**	ug/L
ë	Pb	208	43	9824	110	1.1	0.008518	**2.0795**	ug/L

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C	13	35331	85188	582	0.7	49856.271476	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	132.503
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	114.872
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	109.986
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	111.985
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-13
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 23:40:57
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 228

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-13.139
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	27	4	14.8	0.000005	**-0.0690**	ug/L
ê	Na	23	8305	298720945	5972876	2.0	218.364897	**106385.5219**	ug/L
ê	Mg	24	238	70801000	1158761	1.6	51.756020	**38596.2516**	ug/L
ê	Al	27	1225	17443246	381566	2.2	12.749916	**6940.2450**	ug/L
ê	K	39	619876	72200989	1368717	1.9	52.196937	**21992.2136**	ug/L
ê	Ca	44	4789	63507643	333346	0.5	46.419487	**762239.4766**	ug/L
ê>	Sc	45	1065884	1368011	6917	0.5	1368010.586852		ug/L
ê	Cr	52	14356	87722	1614	1.8	0.050657	**30.7516**	ug/L
ê	Cr	53	67	8522	187	2.2	0.006167	**33.1704**	ug/L
ê	Mn	55	1312	460762	8685	1.9	0.335582	**156.4132**	ug/L
ê	Fe	54	134900	1500664	29780	2.0	0.970486	**8601.6088**	ug/L
ê	Fe	57	10869	459857	9008	2.0	0.325977	**7378.5316**	ug/L
ê	Co	59	68	9632	61	0.6	0.006977	**3.5389**	ug/L
ê	Ni	60	48	-5879	618	10.5	-0.004342	**-10.4370**	ug/L
ë	Ni	62	71	1954	34	1.7	0.001362	**21.5194**	ug/L
é	Cu	65	10	5514	53	1.0	0.005000	**10.9499**	ug/L
ê	Cu	63	35	14081	208	1.5	0.012759	**13.2047**	ug/L
ê	Zn	66	45	7148	23	0.3	0.006450	**32.9852**	ug/L
ê	Zn	68	382	7728	93	1.2	0.006651	**49.2676**	ug/L
ê>	Ge	74	1032763	1100673	1916	0.2	1100673.039521		ug/L
ë	As	75	-107	22244	444	2.0	0.020313	**93.6675**	ug/L
é	Se	77	103	174	9	5.2	0.000058	**5.3655**	ug/L
ê	Se	82	18	6031	148	2.4	0.005174	**266.9171**	ug/L
ê	Mo	95	12	1057	20	1.9	0.000900	**2.1728**	ug/L
ê	Mo	97	9	782	42	5.4	0.000665	**2.5004**	ug/L
ê	Mo	98	21	884	22	2.4	0.000742	**1.0758**	ug/L
ê	Ag	107	7	231	15	6.5	0.000193	**0.1108**	ug/L
ê	Ag	109	7	234	3	1.3	0.000195	**0.1092**	ug/L
ê	Cd	111	4	99	5	4.8	0.000082	**0.2164**	ug/L
ê	Cd	114	28	240	44	18.4	0.000182	**0.2037**	ug/L
ê>	In	115	1125822	1161990	15845	1.4	1161989.725965		ug/L
ê	Sb	121	11	462	17	3.8	0.000387	**0.3516**	ug/L
ë	Ba	138	82	1261322	19720	1.6	1.085662	**291.8724**	ug/L
é>	Tm	169	1024880	1058350	16059	1.5	1058350.080219		ug/L
ê	Tl	205	13	208	8	3.6	0.000184	**0.0517**	ug/L
ë	Pb	208	43	29605	177	0.6	0.027935	**6.8414**	ug/L

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C	13	35331	70918	1384	2.0	35586.327439	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	128.345
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	106.576
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	103.213
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	103.266
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-14
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 23:44:52
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 229

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-14.140
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	5	3	60.0	-0.000011	**-0.1696**	ug/L
ê	Na	23	8305	325869336	1357528	0.4	238.359482	**116126.7072**	ug/L
ê	Mg	24	238	44360226	1050908	2.4	32.437076	**24187.4567**	ug/L
ê	Al	27	1225	2331761	56195	2.4	1.704235	**924.1464**	ug/L
ê	K	39	619876	57313060	618720	1.1	41.341283	**17418.7092**	ug/L
ê	Ca	44	4789	18527996	218076	1.2	13.548803	**222479.0614**	ug/L
ê>	Sc	45	1065884	1367491	26283	1.9	1367490.525231		ug/L
ê	Cr	52	14356	35593	704	2.0	0.012561	**7.6093**	ug/L
ê	Cr	53	67	2469	47	1.9	0.001743	**9.3496**	ug/L
ê	Mn	55	1312	93341	2219	2.4	0.067048	**31.2115**	ug/L
ê	Fe	54	134900	422338	6509	1.5	0.182324	**1600.0073**	ug/L
ê	Fe	57	10869	79449	1210	1.5	0.047920	**1073.6701**	ug/L
ê	Co	59	68	2111	83	3.9	0.001481	**0.6751**	ug/L
ê	Ni	60	48	-1475	105	7.1	-0.001123	**-2.8202**	ug/L
ë	Ni	62	71	653	13	2.0	0.000411	**6.3037**	ug/L
é	Cu	65	10	1980	63	3.2	0.001706	**3.6629**	ug/L
ê	Cu	63	35	7252	113	1.6	0.006251	**6.4089**	ug/L
ê	Zn	66	45	3544	31	0.9	0.003028	**15.4610**	ug/L
ê	Zn	68	382	3184	92	2.9	0.002389	**17.7449**	ug/L
ê>	Ge	74	1032763	1153741	20036	1.7	1153740.821867		ug/L
ë	As	75	-107	27029	348	1.3	0.023534	**108.5223**	ug/L
é	Se	77	103	152	10	6.8	0.000034	**3.4262**	ug/L
ê	Se	82	18	8297	138	1.7	0.006853	**353.3911**	ug/L
ê	Mo	95	12	1335	28	2.1	0.001095	**2.6427**	ug/L
ê	Mo	97	9	1088	11	1.0	0.000893	**3.3688**	ug/L
ê	Mo	98	21	871	20	2.3	0.000702	**1.0195**	ug/L
ê	Ag	107	7	206	3	1.5	0.000164	**0.0934**	ug/L
ê	Ag	109	7	243	11	4.5	0.000195	**0.1091**	ug/L
ê	Cd	111	4	219	13	6.0	0.000178	**0.4692**	ug/L
ê	Cd	114	28	536	26	4.9	0.000418	**0.4703**	ug/L
ê>	In	115	1125822	1207917	10852	0.9	1207916.544370		ug/L
ê	Sb	121	11	204	2	1.1	0.000159	**0.1447**	ug/L
ë	Ba	138	82	113376	1035	0.9	0.093788	**25.2150**	ug/L
é>	Tm	169	1024880	1115424	15918	1.4	1115424.458122		ug/L
ê	Tl	205	13	228	10	4.2	0.000191	**0.0540**	ug/L
ë	Pb	208	43	11791	83	0.7	0.010530	**2.5730**	ug/L

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C	13	35331	76517	437	0.6	41186.071922	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	128.296
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	111.714
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	107.292
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	108.835
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-15
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 23:48:45
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 230

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-15.141
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	6	1	16.7	-0.000011	**-0.1657**	ug/L
ê	Na	23	8305	386197855	3517937	0.9	273.849178	**133416.9739**	ug/L
ê	Mg	24	238	40666840	228972	0.6	28.837986	**21503.1198**	ug/L
ê	Al	27	1225	1564326	19558	1.3	1.108136	**599.4769**	ug/L
ê	K	39	619876	72528823	478274	0.7	50.853501	**21426.2218**	ug/L
ê	Ca	44	4789	8764288	58295	0.7	6.211497	**101995.1838**	ug/L
ê>	Sc	45	1065884	1410408	26657	1.9	1410407.856737		ug/L
ê	Cr	52	14356	29343	806	2.7	0.007334	**4.4342**	ug/L
ê	Cr	53	67	2232	62	2.8	0.001520	**8.1507**	ug/L
ê	Mn	55	1312	82971	1139	1.4	0.057602	**26.8073**	ug/L
ê	Fe	54	134900	358118	8410	2.3	0.127336	**1111.5276**	ug/L
ê	Fe	57	10869	60650	358	0.6	0.032814	**731.1371**	ug/L
ê	Co	59	68	1486	41	2.7	0.000991	**0.4200**	ug/L
ê	Ni	60	48	397	104	26.1	0.000237	**0.3980**	ug/L
ë	Ni	62	71	586	43	7.4	0.000349	**5.3049**	ug/L
é	Cu	65	10	1523	59	3.8	0.001285	**2.7303**	ug/L
ê	Cu	63	35	6937	185	2.7	0.005863	**6.0038**	ug/L
ê	Zn	66	45	4041	80	2.0	0.003392	**17.3248**	ug/L
ê	Zn	68	382	3412	89	2.6	0.002531	**18.7938**	ug/L
ê>	Ge	74	1032763	1176136	6135	0.5	1176135.558102		ug/L
ë	As	75	-107	31085	345	1.1	0.026534	**122.3601**	ug/L
é	Se	77	103	164	6	3.4	0.000042	**4.0958**	ug/L
ê	Se	82	18	9771	116	1.2	0.007984	**411.6678**	ug/L
ê	Mo	95	12	1701	59	3.4	0.001383	**3.3361**	ug/L
ê	Mo	97	9	1421	68	4.8	0.001156	**4.3673**	ug/L
ê	Mo	98	21	993	26	2.7	0.000794	**1.1507**	ug/L
ê	Ag	107	7	269	26	9.5	0.000214	**0.1238**	ug/L
ê	Ag	109	7	316	16	5.1	0.000253	**0.1422**	ug/L
ê	Cd	111	4	180	16	8.9	0.000144	**0.3795**	ug/L
ê	Cd	114	28	413	20	5.0	0.000313	**0.3514**	ug/L
ê>	In	115	1125822	1221389	5828	0.5	1221389.222279		ug/L
ê	Sb	121	11	177	13	7.5	0.000135	**0.1233**	ug/L
ë	Ba	138	82	94205	1490	1.6	0.077056	**20.7166**	ug/L
é>	Tm	169	1024880	1143797	3178	0.3	1143797.202626		ug/L
ê	Tl	205	13	215	9	4.0	0.000175	**0.0487**	ug/L
ë	Pb	208	43	10214	156	1.5	0.008889	**2.1703**	ug/L

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C	13	35331	80665	516	0.6	45334.133312	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	132.323
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	113.882
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	108.489
	Sb	121	
	Ba	138	
>	Tm	169	111.603
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-16
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 23:52:39
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 231

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-16.142
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	9	3	35.3	-0.000009	**-0.1525**	ug/L
ê	Na	23	8305	349028471	8888648	2.5	256.233846	**124834.9397**	ug/L
ê	Mg	24	238	33136579	695834	2.1	24.326349	**18138.1713**	ug/L
ê	Al	27	1225	2730887	64012	2.3	2.003723	**1087.2641**	ug/L
ê	K	39	619876	73495682	1528241	2.1	53.372202	**22487.3547**	ug/L
ê	Ca	44	4789	6697301	88144	1.3	4.912026	**80656.9289**	ug/L
ê>	Sc	45	1065884	1362212	7775	0.6	1362211.708269		ug/L
ê	Cr	52	14356	33702	713	2.1	0.011272	**6.8261**	ug/L
ê	Cr	53	67	2818	12	0.4	0.002005	**10.7643**	ug/L
ê	Mn	55	1312	101017	2198	2.2	0.072928	**33.9530**	ug/L
ê	Fe	54	134900	487546	14827	3.0	0.231378	**2035.7780**	ug/L
ê	Fe	57	10869	114394	2036	1.8	0.073784	**1660.1267**	ug/L
ê	Co	59	68	4362	173	4.0	0.003139	**1.5391**	ug/L
ê	Ni	60	48	8714	79	0.9	0.006352	**14.8689**	ug/L
ë	Ni	62	71	1810	54	3.0	0.001262	**19.9211**	ug/L
é	Cu	65	10	2695	28	1.1	0.002318	**5.0149**	ug/L
ê	Cu	63	35	8786	124	1.4	0.007555	**7.7705**	ug/L
ê	Zn	66	45	5200	176	3.4	0.004447	**22.7276**	ug/L
ê	Zn	68	382	4075	156	3.8	0.003150	**23.3710**	ug/L
ê>	Ge	74	1032763	1157809	6981	0.6	1157809.033244		ug/L
ë	As	75	-107	31373	240	0.8	0.027202	**125.4421**	ug/L
é	Se	77	103	164	11	6.7	0.000045	**4.2826**	ug/L
ê	Se	82	18	9758	112	1.1	0.008077	**416.4455**	ug/L
ê	Mo	95	12	1602	40	2.5	0.001318	**3.1802**	ug/L
ê	Mo	97	9	1459	47	3.2	0.001202	**4.5442**	ug/L
ê	Mo	98	21	718	15	2.1	0.000576	**0.8398**	ug/L
ê	Ag	107	7	162	6	3.8	0.000128	**0.0710**	ug/L
ê	Ag	109	7	184	19	10.1	0.000146	**0.0811**	ug/L
ê	Cd	111	4	255	21	8.1	0.000208	**0.5479**	ug/L
ê	Cd	114	28	610	18	3.0	0.000481	**0.5404**	ug/L
ê>	In	115	1125822	1205789	3021	0.3	1205789.018702		ug/L
ê	Sb	121	11	211	7	3.2	0.000165	**0.1508**	ug/L
ë	Ba	138	82	23625	239	1.0	0.019520	**5.2486**	ug/L
é>	Tm	169	1024880	1130817	6563	0.6	1130816.744564		ug/L
ê	Tl	205	13	236	4	1.8	0.000196	**0.0555**	ug/L
ë	Pb	208	43	15823	83	0.5	0.013952	**3.4121**	ug/L

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C	13	35331	78602	962	1.2	43270.694114	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	127.801
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	112.108
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	107.103
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	110.336
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-17
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Thursday, April 03, 2014 23:56:33
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 232

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-17.143
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	14	1	7.1	-0.000005	**-0.1282**	ug/L
ê	Na	23	8305	331904534	4977381	1.5	243.154976	**118463.0295**	ug/L
ê	Mg	24	238	33184335	515855	1.6	24.310440	**18126.3057**	ug/L
ê	Al	27	1225	4553895	37737	0.8	3.335145	**1812.4312**	ug/L
ê	K	39	619876	82345564	1242334	1.5	59.744639	**25172.0723**	ug/L
ê	Ca	44	4789	7560753	166992	2.2	5.534295	**90875.0416**	ug/L
ê>	Sc	45	1065884	1364963	12207	0.9	1364963.124656		ug/L
ê	Cr	52	14356	31252	111	0.4	0.009429	**5.7068**	ug/L
ê	Cr	53	67	2574	62	2.4	0.001823	**9.7810**	ug/L
ê	Mn	55	1312	163855	4174	2.5	0.118814	**55.3469**	ug/L
ê	Fe	54	134900	717664	9938	1.4	0.399235	**3526.9265**	ug/L
ê	Fe	57	10869	202802	2106	1.0	0.138379	**3124.8028**	ug/L
ê	Co	59	68	4437	122	2.8	0.003187	**1.5643**	ug/L
ê	Ni	60	48	2669	72	2.7	0.001910	**4.3585**	ug/L
ë	Ni	62	71	983	66	6.7	0.000654	**10.1827**	ug/L
é	Cu	65	10	4250	41	1.0	0.003684	**8.0380**	ug/L
ê	Cu	63	35	12018	189	1.6	0.010410	**10.7517**	ug/L
ê	Zn	66	45	6528	130	2.0	0.005630	**28.7828**	ug/L
ê	Zn	68	382	5016	57	1.1	0.003989	**29.5789**	ug/L
ê>	Ge	74	1032763	1150694	14681	1.3	1150694.356417		ug/L
ë	As	75	-107	32991	330	1.0	0.028778	**132.7118**	ug/L
é	Se	77	103	153	7	4.7	0.000036	**3.5611**	ug/L
ê	Se	82	18	10276	96	0.9	0.008568	**441.7091**	ug/L
ê	Mo	95	12	1742	57	3.3	0.001445	**3.4861**	ug/L
ê	Mo	97	9	1487	72	4.8	0.001234	**4.6677**	ug/L
ê	Mo	98	21	962	36	3.7	0.000785	**1.1372**	ug/L
ê	Ag	107	7	214	10	4.9	0.000173	**0.0984**	ug/L
ê	Ag	109	7	228	3	1.4	0.000184	**0.1025**	ug/L
ê	Cd	111	4	262	26	10.0	0.000216	**0.5679**	ug/L
ê	Cd	114	28	679	31	4.5	0.000542	**0.6096**	ug/L
ê>	In	115	1125822	1197246	2678	0.2	1197245.675248		ug/L
ê	Sb	121	11	231	18	7.9	0.000183	**0.1665**	ug/L
ë	Ba	138	82	53574	1357	2.5	0.044676	**12.0115**	ug/L
é>	Tm	169	1024880	1114661	14427	1.3	1114661.261724		ug/L
ê	Tl	205	13	150	14	9.1	0.000121	**0.0317**	ug/L
ë	Pb	208	43	30570	243	0.8	0.027388	**6.7073**	ug/L

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C	13	35331	81097	687	0.8	45765.905621	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	128.059
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	111.419
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	106.344
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	108.760
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-18
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Friday, April 04, 2014 00:00:26
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 233

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-18.144
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	5	3	52.9	-0.000011	**-0.1693**	ug/L
ê	Na	23	8305	282083642	7260523	2.6	207.186526	**100939.5182**	ug/L
ê	Mg	24	238	22026141	262558	1.2	16.178714	**12061.3592**	ug/L
ê	Al	27	1225	689717	13301	1.9	0.505492	**271.2431**	ug/L
ê	K	39	619876	50836101	1167576	2.3	36.761884	**15489.4013**	ug/L
ê	Ca	44	4789	2092047	21489	1.0	1.532211	**25157.9284**	ug/L
ê>	Sc	45	1065884	1361384	7935	0.6	1361384.175894		ug/L
ê	Cr	52	14356	21216	485	2.3	0.002115	**1.2635**	ug/L
ê	Cr	53	67	1274	34	2.7	0.000872	**4.6637**	ug/L
ê	Mn	55	1312	38162	500	1.3	0.026802	**12.4472**	ug/L
ê	Fe	54	134900	270549	4697	1.7	0.072169	**621.4519**	ug/L
ê	Fe	57	10869	34128	424	1.2	0.014871	**324.2919**	ug/L
ê	Co	59	68	1164	19	1.7	0.000792	**0.3161**	ug/L
ê	Ni	60	48	1193	44	3.7	0.000831	**1.8047**	ug/L
ë	Ni	62	71	421	15	3.6	0.000242	**3.6021**	ug/L
é	Cu	65	10	1150	30	2.6	0.000984	**2.0650**	ug/L
ê	Cu	63	35	5071	47	0.9	0.004348	**4.4214**	ug/L
ê	Zn	66	45	2939	13	0.4	0.002496	**12.7353**	ug/L
ê	Zn	68	382	2727	48	1.7	0.001986	**14.7651**	ug/L
ê>	Ge	74	1032763	1157239	6026	0.5	1157238.549276		ug/L
ë	As	75	-107	21209	586	2.8	0.018430	**84.9808**	ug/L
é	Se	77	103	139	6	4.1	0.000024	**2.6287**	ug/L
ê	Se	82	18	6556	210	3.2	0.005451	**281.1760**	ug/L
ê	Mo	95	12	1257	82	6.5	0.001037	**2.5041**	ug/L
ê	Mo	97	9	1092	38	3.4	0.000904	**3.4078**	ug/L
ê	Mo	98	21	618	4	0.6	0.000497	**0.7261**	ug/L
ê	Ag	107	7	172	14	8.1	0.000137	**0.0768**	ug/L
ê	Ag	109	7	207	6	3.1	0.000166	**0.0923**	ug/L
ê	Cd	111	4	124	7	5.3	0.000100	**0.2631**	ug/L
ê	Cd	114	28	315	10	3.0	0.000238	**0.2668**	ug/L
ê>	In	115	1125822	1199066	21535	1.8	1199066.009512		ug/L
ê	Sb	121	11	124	13	10.5	0.000094	**0.0861**	ug/L
ë	Ba	138	82	110465	1836	1.7	0.092064	**24.7515**	ug/L
é>	Tm	169	1024880	1102982	14072	1.3	1102981.685883		ug/L
ê	Tl	205	13	137	9	6.8	0.000111	**0.0286**	ug/L
ë	Pb	208	43	5892	132	2.2	0.005300	**1.2901**	ug/L

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C	13	35331	73369	225	0.3	38037.616593	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	127.723
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	112.053
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	106.506
	Sb	121	
	Ba	138	
>	Tm	169	107.621
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-19
Sample Description: 10x
Batch ID: B140477

Sample Date/Time: Friday, April 04, 2014 00:04:20
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 234

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\1411043-19.145
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	39	3	7.9	0.000014	**-0.0112**	ug/L
ê	Na	23	8305	267579338	6294783	2.4	200.777384	**97817.0408**	ug/L
ê	Mg	24	238	83921244	923006	1.1	62.973025	**46962.3157**	ug/L
ê	Al	27	1225	26150352	104646	0.4	19.622241	**10683.2994**	ug/L
ê	K	39	619876	51456347	1768423	3.4	38.028045	**16022.8368**	ug/L
ê	Ca	44	4789	66976279	1070596	1.6	50.252433	**825179.2098**	ug/L
ê>	Sc	45	1065884	1332630	8181	0.6	1332630.044905		ug/L
ê	Cr	52	14356	115536	844	0.7	0.073233	**44.4658**	ug/L
ê	Cr	53	67	11794	128	1.1	0.008788	**47.2792**	ug/L
ê	Mn	55	1312	998980	8142	0.8	0.748412	**348.8918**	ug/L
ê	Fe	54	134900	2251066	17168	0.8	1.562699	**13862.5014**	ug/L
ê	Fe	57	10869	738910	5128	0.7	0.544280	**12328.4763**	ug/L
ê	Co	59	68	15420	520	3.4	0.011506	**5.8987**	ug/L
ê	Ni	60	48	3760	570	15.2	0.002777	**6.4099**	ug/L
ë	Ni	62	71	3893	19	0.5	0.002855	**45.4107**	ug/L
é	Cu	65	10	6365	157	2.5	0.005943	**13.0351**	ug/L
ê	Cu	63	35	15337	283	1.8	0.014308	**14.8231**	ug/L
ê	Zn	66	45	7755	90	1.2	0.007209	**36.8695**	ug/L
ê	Zn	68	382	6059	7	0.1	0.005296	**39.2429**	ug/L
ê>	Ge	74	1032763	1069438	9604	0.9	1069437.737283		ug/L
ë	As	75	-107	19314	252	1.3	0.018166	**83.7645**	ug/L
é	Se	77	103	160	11	6.8	0.000050	**4.7587**	ug/L
ê	Se	82	18	4599	38	0.8	0.004060	**209.5429**	ug/L
ê	Mo	95	12	1095	56	5.1	0.000960	**2.3182**	ug/L
ê	Mo	97	9	820	24	3.0	0.000719	**2.7050**	ug/L
ê	Mo	98	21	1142	30	2.6	0.000993	**1.4339**	ug/L
ê	Ag	107	7	232	18	7.6	0.000200	**0.1150**	ug/L
ê	Ag	109	7	224	22	9.7	0.000192	**0.1073**	ug/L
ê	Cd	111	4	142	5	3.2	0.000123	**0.3228**	ug/L
ê	Cd	114	28	356	17	4.8	0.000290	**0.3256**	ug/L
ê>	In	115	1125822	1128371	2603	0.2	1128371.174139		ug/L
ê	Sb	121	11	353	50	14.1	0.000302	**0.2749**	ug/L
ë	Ba	138	82	211061	2806	1.3	0.186973	**50.2671**	ug/L
é>	Tm	169	1024880	1030307	9848	1.0	1030306.839328		ug/L
ê	Tl	205	13	335	9	2.6	0.000313	**0.0926**	ug/L
ë	Pb	208	43	37677	252	0.7	0.036530	**8.9495**	ug/L

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C	13	35331	69614	750	1.1	34282.238737	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	125.026
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	103.551
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	100.226
	Sb	121	
	Ba	138	
>	Tm	169	100.529
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVD

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 04, 2014 00:08:15
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCVD.146
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	4578	81	1.8	0.003699	**2.2978**	ug/L
ê	Na	23	8305	7040098	132211	1.9	5.703892	**277.8957**	ug/L
ê	Mg	24	238	4780725	25193	0.5	3.878032	**288.7048**	ug/L
ê	Al	27	1225	709747	2424	0.3	0.574652	**30.8912**	ug/L
ê	K	39	619876	9069718	54800	0.6	6.776178	**285.6376**	ug/L
ê	Ca	44	4789	467991	7716	1.6	0.375210	**615.9136**	ug/L
ê>	Sc	45	1065884	1232866	19320	1.6	1232865.611364		ug/L
ê	Cr	52	14356	72014	1045	1.5	0.044947	**2.7283**	ug/L
ê	Cr	53	67	6448	53	0.8	0.005167	**2.7788**	ug/L
ê	Mn	55	1312	31494	449	1.4	0.024321	**1.1291**	ug/L
ê	Fe	54	134900	276542	6670	2.4	0.097747	**84.8677**	ug/L
ê	Fe	57	10869	58978	1473	2.5	0.037645	**84.0683**	ug/L
ê	Co	59	68	41995	271	0.6	0.034002	**1.7620**	ug/L
ê	Ni	60	48	18404	120	0.7	0.014884	**3.5060**	ug/L
ë	Ni	62	71	2770	68	2.4	0.002180	**3.4620**	ug/L
é	Cu	65	10	11213	337	3.0	0.010252	**2.2569**	ug/L
ê	Cu	63	35	23895	570	2.4	0.021835	**2.2683**	ug/L
ê	Zn	66	45	8279	182	2.2	0.007533	**3.8528**	ug/L
ê	Zn	68	382	6241	149	2.4	0.005341	**3.9577**	ug/L
ê>	Ge	74	1032763	1092780	7183	0.7	1092779.930937		ug/L
ë	As	75	-107	12251	266	2.2	0.011314	**5.2156**	ug/L
é	Se	77	103	1627	24	1.5	0.001332	**11.0116**	ug/L
ê	Se	82	18	2098	98	4.7	0.001820	**9.4141**	ug/L
ê	Mo	95	12	2514	27	1.1	0.002189	**0.5277**	ug/L
ê	Mo	97	9	1522	70	4.6	0.001324	**0.5009**	ug/L
ê	Mo	98	21	3937	85	2.2	0.003425	**0.4902**	ug/L
ê	Ag	107	7	5191	58	1.1	0.004534	**0.2774**	ug/L
ê	Ag	109	7	6662	146	2.2	0.005821	**0.3349**	ug/L
ê	Cd	111	4	1712	13	0.7	0.001494	**0.3939**	ug/L
ê	Cd	114	28	4134	50	1.2	0.003591	**0.4047**	ug/L
ê>	In	115	1125822	1143226	1463	0.1	1143225.914068		ug/L
ê	Sb	121	11	5165	54	1.0	0.004508	**0.4079**	ug/L
ë	Ba	138	82	46926	289	0.6	0.040974	**1.1016**	ug/L
é>	Tm	169	1024880	1062205	7986	0.8	1062205.308674		ug/L
ê	Tl	205	13	6614	130	2.0	0.006214	**0.1970**	ug/L
ë	Pb	208	43	20687	99	0.5	0.019435	**0.4757**	ug/L

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C	13	35331	36663	282	0.8	1331.346503	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	115.666
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	105.811
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	101.546
	Sb	121	
	Ba	138	
>	Tm	169	103.642
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBD

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 04, 2014 00:12:10
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCBD.147
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	3	1	33.3	-0.000013	**-0.0177**	ug/L
ê	Na	23	8305	53683	440	0.8	0.035644	**1.7437**	ug/L
ê	Mg	24	238	493	15	3.1	0.000176	**-0.5203**	ug/L
ê	Al	27	1225	1610	67	4.1	0.000154	**-0.3992**	ug/L
ê	K	39	619876	758730	4437	0.6	0.032391	**1.5208**	ug/L
ê	Ca	44	4789	6323	18	0.3	0.000623	**0.8150**	ug/L
ê>	Sc	45	1065884	1235979	14550	1.2	1235978.820671		ug/L
ê	Cr	52	14356	16270	165	1.0	-0.000304	**-0.0206**	ug/L
ê	Cr	53	67	93	25	27.3	0.000012	**0.0032**	ug/L
ê	Mn	55	1312	1271	63	5.0	-0.000202	**-0.0143**	ug/L
ê	Fe	54	134900	150446	1491	1.0	-0.004821	**-6.2483**	ug/L
ê	Fe	57	10869	10285	215	2.1	-0.001874	**-5.5399**	ug/L
ê	Co	59	68	61	3	5.0	-0.000014	**-0.0104**	ug/L
ê	Ni	60	48	52	6	11.7	-0.000003	**-0.0170**	ug/L
ë	Ni	62	71	136	4	3.0	0.000043	**0.0412**	ug/L
é	Cu	65	10	40	4	8.9	0.000027	**-0.0053**	ug/L
ê	Cu	63	35	77	5	6.4	0.000036	**-0.0081**	ug/L
ê	Zn	66	45	64	10	15.1	0.000015	**0.0032**	ug/L
ê	Zn	68	382	596	8	1.4	0.000177	**0.1379**	ug/L
ê>	Ge	74	1032763	1090589	21904	2.0	1090589.245651		ug/L
ë	As	75	-107	-26	54	205.5	0.000079	**0.0332**	ug/L
é	Se	77	103	90	8	9.3	-0.000014	**-0.0511**	ug/L
ê	Se	82	18	26	6	24.2	0.000007	**0.0763**	ug/L
ê	Mo	95	12	20	6	32.3	0.000007	**0.0022**	ug/L
ê	Mo	97	9	16	3	18.7	0.000007	**-0.0008**	ug/L
ê	Mo	98	21	17	0	2.8	-0.000004	**0.0012**	ug/L
ê	Ag	107	7	4	3	66.1	-0.000003	**-0.0009**	ug/L
ê	Ag	109	7	4	2	35.3	-0.000003	**-0.0005**	ug/L
ê	Cd	111	4	2	1	24.7	-0.000001	**-0.0004**	ug/L
ê	Cd	114	28	27	1	5.3	-0.000001	**-0.0003**	ug/L
ê>	In	115	1125822	1148778	22295	1.9	1148777.782628		ug/L
ê	Sb	121	11	10	2	15.8	-0.000002	**-0.0000**	ug/L
ë	Ba	138	82	99	16	16.5	0.000013	**0.0004**	ug/L
é>	Tm	169	1024880	1070274	7458	0.7	1070274.269099		ug/L
ê	Tl	205	13	4	2	41.7	-0.000010	**-0.0010**	ug/L
ë	Pb	208	43	35	10	28.9	-0.000009	**-0.0012**	ug/L

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C	13	35331	37019	544	1.5	1687.267625	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	115.958
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	105.599
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	102.039
	Sb	121	
	Ba	138	
>	Tm	169	104.429
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVE

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 04, 2014 00:39:30
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCVE.154
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	4708	73	1.5	0.003768	**2.3408**	ug/L
ê	Na	23	8305	7068479	92710	1.3	5.672643	**276.3733**	ug/L
ê	Mg	24	238	4848484	79070	1.6	3.896250	**290.0635**	ug/L
ê	Al	27	1225	704405	8347	1.2	0.564948	**30.3626**	ug/L
ê	K	39	619876	9331713	171788	1.8	6.917158	**291.5771**	ug/L
ê	Ca	44	4789	460767	3346	0.7	0.365797	**600.4573**	ug/L
ê>	Sc	45	1065884	1244402	7493	0.6	1244402.220742		ug/L
ê	Cr	52	14356	73582	1176	1.6	0.045667	**2.7720**	ug/L
ê	Cr	53	67	6659	155	2.3	0.005288	**2.8438**	ug/L
ê	Mn	55	1312	31769	108	0.3	0.024300	**1.1281**	ug/L
ê	Fe	54	134900	278399	3757	1.3	0.097159	**84.3453**	ug/L
ê	Fe	57	10869	60594	811	1.3	0.038495	**85.9970**	ug/L
ê	Co	59	68	42555	431	1.0	0.034136	**1.7689**	ug/L
ê	Ni	60	48	19026	382	2.0	0.015245	**3.5915**	ug/L
ë	Ni	62	71	2824	56	2.0	0.002203	**3.4980**	ug/L
é	Cu	65	10	11722	104	0.9	0.010641	**2.3428**	ug/L
ê	Cu	63	35	24528	541	2.2	0.022250	**2.3116**	ug/L
ê	Zn	66	45	8583	106	1.2	0.007754	**3.9661**	ug/L
ê	Zn	68	382	6357	103	1.6	0.005405	**4.0049**	ug/L
ê>	Ge	74	1032763	1100817	14826	1.3	1100816.665799		ug/L
ë	As	75	-107	12527	284	2.3	0.011486	**5.2950**	ug/L
é	Se	77	103	1600	71	4.4	0.001301	**10.7624**	ug/L
ê	Se	82	18	2109	23	1.1	0.001820	**9.4181**	ug/L
ê	Mo	95	12	2551	77	3.0	0.002211	**0.5331**	ug/L
ê	Mo	97	9	1514	54	3.6	0.001311	**0.4957**	ug/L
ê	Mo	98	21	4041	87	2.2	0.003499	**0.5009**	ug/L
ê	Ag	107	7	5563	110	2.0	0.004837	**0.2960**	ug/L
ê	Ag	109	7	6980	151	2.2	0.006070	**0.3493**	ug/L
ê	Cd	111	4	1784	48	2.7	0.001550	**0.4087**	ug/L
ê	Cd	114	28	4196	60	1.4	0.003628	**0.4089**	ug/L
ê>	In	115	1125822	1148732	13569	1.2	1148731.807318		ug/L
ê	Sb	121	11	5261	22	0.4	0.004570	**0.4136**	ug/L
ë	Ba	138	82	46858	275	0.6	0.040723	**1.0949**	ug/L
é>	Tm	169	1024880	1065737	9585	0.9	1065736.928633		ug/L
ê	Tl	205	13	6598	81	1.2	0.006178	**0.1958**	ug/L
ë	Pb	208	43	21406	246	1.1	0.020045	**0.4906**	ug/L

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C	13	35331	40421	811	2.0	5089.812845	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	116.748
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	106.590
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	102.035
	Sb	121	
	Ba	138	
>	Tm	169	103.986
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBE

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 04, 2014 00:43:24
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCBE.155
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	7	4	56.8	-0.000010	**-0.0160**	ug/L
ê	Na	23	8305	53943	368	0.7	0.034374	**1.6818**	ug/L
ê	Mg	24	238	853	381	44.6	0.000444	**-0.5003**	ug/L
ê	Al	27	1225	1713	28	1.7	0.000190	**-0.3973**	ug/L
ê	K	39	619876	755113	8054	1.1	0.008694	**0.5224**	ug/L
ê	Ca	44	4789	6425	135	2.1	0.000529	**0.6606**	ug/L
ê>	Sc	45	1065884	1279301	10874	0.9	1279300.548672		ug/L
ê	Cr	52	14356	16296	387	2.4	-0.000730	**-0.0465**	ug/L
ê	Cr	53	67	123	11	8.7	0.000033	**0.0144**	ug/L
ê	Mn	55	1312	1168	51	4.4	-0.000318	**-0.0197**	ug/L
ê	Fe	54	134900	150788	1665	1.1	-0.008683	**-9.6796**	ug/L
ê	Fe	57	10869	10195	314	3.1	-0.002227	**-6.3399**	ug/L
ê	Co	59	68	65	8	12.5	-0.000013	**-0.0103**	ug/L
ê	Ni	60	48	56	6	11.2	-0.000002	**-0.0166**	ug/L
ë	Ni	62	71	113	11	9.7	0.000022	**0.0070**	ug/L
é	Cu	65	10	44	6	12.6	0.000029	**-0.0047**	ug/L
ê	Cu	63	35	93	1	1.1	0.000049	**-0.0068**	ug/L
ê	Zn	66	45	68	8	12.3	0.000017	**0.0043**	ug/L
ê	Zn	68	382	613	14	2.3	0.000177	**0.1384**	ug/L
ê>	Ge	74	1032763	1120813	18197	1.6	1120812.963883		ug/L
ë	As	75	-107	-78	53	68.5	0.000034	**0.0122**	ug/L
é	Se	77	103	92	14	15.3	-0.000013	**-0.0429**	ug/L
ê	Se	82	18	14	12	84.2	-0.000004	**0.0220**	ug/L
ê	Mo	95	12	16	3	19.5	0.000003	**0.0013**	ug/L
ê	Mo	97	9	11	2	19.5	0.000001	**-0.0027**	ug/L
ê	Mo	98	21	21	1	5.4	-0.000001	**0.0016**	ug/L
ê	Ag	107	7	5	2	28.6	-0.000002	**-0.0008**	ug/L
ê	Ag	109	7	7	5	77.0	-0.000001	**-0.0004**	ug/L
ê	Cd	111	4	4	3	66.1	0.000000	**0.0000**	ug/L
ê	Cd	114	28	30	4	12.7	0.000001	**-0.0000**	ug/L
ê>	In	115	1125822	1164776	5039	0.4	1164775.799969		ug/L
ê	Sb	121	11	8	1	7.5	-0.000003	**-0.0002**	ug/L
ë	Ba	138	82	98	8	7.8	0.000011	**0.0004**	ug/L
é>	Tm	169	1024880	1074436	10067	0.9	1074435.508084		ug/L
ê	Tl	205	13	6	2	36.7	-0.000008	**-0.0009**	ug/L
ë	Pb	208	43	44	3	7.0	-0.000001	**-0.0010**	ug/L

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C	13	35331	39728	134	0.3	4397.192440	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	120.022
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	108.526
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	103.460
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	104.835
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVF

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 04, 2014 01:18:34
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCVF.164
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	4787	21	0.4	0.003730	**2.3173**	ug/L
ê	Na	23	8305	7289725	143343	2.0	5.695486	**277.4862**	ug/L
ê	Mg	24	238	4969821	68279	1.4	3.887963	**289.4455**	ug/L
ê	Al	27	1225	725158	18316	2.5	0.566116	**30.4262**	ug/L
ê	K	39	619876	9524046	126907	1.3	6.869093	**289.5521**	ug/L
ê	Ca	44	4789	473207	6754	1.4	0.365714	**600.3213**	ug/L
ê>	Sc	45	1065884	1278291	8359	0.7	1278291.268920		ug/L
ê	Cr	52	14356	74771	1507	2.0	0.045022	**2.7328**	ug/L
ê	Cr	53	67	6902	16	0.2	0.005336	**2.8699**	ug/L
ê	Mn	55	1312	32230	91	0.3	0.023983	**1.1133**	ug/L
ê	Fe	54	134900	283982	4966	1.7	0.095592	**82.9531**	ug/L
ê	Fe	57	10869	61742	810	1.3	0.038103	**85.1070**	ug/L
ê	Co	59	68	44079	630	1.4	0.034418	**1.7836**	ug/L
ê	Ni	60	48	19515	313	1.6	0.015223	**3.5862**	ug/L
ë	Ni	62	71	3016	29	1.0	0.002293	**3.6420**	ug/L
é	Cu	65	10	11660	142	1.2	0.010377	**2.2844**	ug/L
ê	Cu	63	35	25425	179	0.7	0.022618	**2.3500**	ug/L
ê	Zn	66	45	8800	150	1.7	0.007795	**3.9872**	ug/L
ê	Zn	68	382	6517	38	0.6	0.005437	**4.0283**	ug/L
ê>	Ge	74	1032763	1122842	22222	2.0	1122842.468431		ug/L
ë	As	75	-107	12810	30	0.2	0.011515	**5.3081**	ug/L
é	Se	77	103	1618	26	1.6	0.001280	**10.5867**	ug/L
ê	Se	82	18	2137	59	2.7	0.001796	**9.2917**	ug/L
ê	Mo	95	12	2545	23	0.9	0.002147	**0.5177**	ug/L
ê	Mo	97	9	1622	86	5.3	0.001367	**0.5172**	ug/L
ê	Mo	98	21	4180	33	0.8	0.003524	**0.5044**	ug/L
ê	Ag	107	7	5814	56	1.0	0.004922	**0.3012**	ug/L
ê	Ag	109	7	7286	38	0.5	0.006169	**0.3550**	ug/L
ê	Cd	111	4	1799	16	0.9	0.001522	**0.4011**	ug/L
ê	Cd	114	28	4275	46	1.1	0.003599	**0.4056**	ug/L
ê>	In	115	1125822	1179707	5342	0.5	1179706.919194		ug/L
ê	Sb	121	11	5400	93	1.7	0.004568	**0.4134**	ug/L
ë	Ba	138	82	47052	245	0.5	0.039812	**1.0704**	ug/L
é>	Tm	169	1024880	1097751	13163	1.2	1097751.084443		ug/L
ê	Tl	205	13	6752	140	2.1	0.006139	**0.1946**	ug/L
ë	Pb	208	43	21559	217	1.0	0.019599	**0.4797**	ug/L

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C	13	35331	37750	445	1.2	2418.508506	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	119.928
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	108.722
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	104.786
	Sb	121	
	Ba	138	
>	Tm	169	107.110
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBF

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 04, 2014 01:22:28
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCBF.165
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	4	2	41.7	-0.000012	**-0.0174**	ug/L
ê	Na	23	8305	52552	487	0.9	0.032996	**1.6147**	ug/L
ê	Mg	24	238	545	137	25.1	0.000199	**-0.5186**	ug/L
ê	Al	27	1225	1621	22	1.3	0.000110	**-0.4016**	ug/L
ê	K	39	619876	771283	13566	1.8	0.017096	**0.8764**	ug/L
ê	Ca	44	4789	6196	104	1.7	0.000316	**0.3108**	ug/L
ê>	Sc	45	1065884	1288562	15816	1.2	1288561.662616		ug/L
ê	Cr	52	14356	16512	381	2.3	-0.000655	**-0.0419**	ug/L
ê	Cr	53	67	93	27	29.2	0.000009	**0.0017**	ug/L
ê	Mn	55	1312	1268	8	0.6	-0.000246	**-0.0164**	ug/L
ê	Fe	54	134900	152656	2371	1.6	-0.008088	**-9.1505**	ug/L
ê	Fe	57	10869	10286	83	0.8	-0.002213	**-6.3090**	ug/L
ê	Co	59	68	75	4	4.8	-0.000005	**-0.0099**	ug/L
ê	Ni	60	48	52	3	4.9	-0.000004	**-0.0173**	ug/L
ë	Ni	62	71	128	1	0.9	0.000033	**0.0250**	ug/L
é	Cu	65	10	35	4	9.9	0.000021	**-0.0065**	ug/L
ê	Cu	63	35	68	19	27.2	0.000026	**-0.0092**	ug/L
ê	Zn	66	45	65	11	17.0	0.000013	**0.0022**	ug/L
ê	Zn	68	382	607	16	2.6	0.000165	**0.1292**	ug/L
ê>	Ge	74	1032763	1135282	3692	0.3	1135282.304873		ug/L
ë	As	75	-107	-68	21	30.5	0.000044	**0.0169**	ug/L
é	Se	77	103	84	5	5.3	-0.000020	**-0.1036**	ug/L
ê	Se	82	18	8	14	176.4	-0.000009	**-0.0036**	ug/L
ê	Mo	95	12	11	3	22.2	-0.000001	**0.0004**	ug/L
ê	Mo	97	9	11	1	10.2	0.000002	**-0.0025**	ug/L
ê	Mo	98	21	14	2	12.6	-0.000007	**0.0007**	ug/L
ê	Ag	107	7	4	2	35.3	-0.000003	**-0.0009**	ug/L
ê	Ag	109	7	4	4	96.1	-0.000003	**-0.0005**	ug/L
ê	Cd	111	4	2	2	124.9	-0.000002	**-0.0005**	ug/L
ê	Cd	114	28	27	5	19.3	-0.000002	**-0.0004**	ug/L
ê>	In	115	1125822	1177900	10942	0.9	1177900.124675		ug/L
ê	Sb	121	11	7	4	56.8	-0.000004	**-0.0002**	ug/L
ë	Ba	138	82	105	14	13.4	0.000016	**0.0005**	ug/L
é>	Tm	169	1024880	1097131	13803	1.3	1097131.452256		ug/L
ê	Tl	205	13	5	2	28.6	-0.000008	**-0.0009**	ug/L
ë	Pb	208	43	36	2	4.2	-0.000009	**-0.0012**	ug/L

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C	13	35331	37896	634	1.7	2564.900075	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	120.891
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	109.927
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	104.626
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	107.050
|	Tl	205	
⌊	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVG

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 04, 2014 01:49:47
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCVG.172
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	5006	143	2.8	0.003792	**2.3560**	ug/L
ê	Na	23	8305	7413701	73114	1.0	5.631843	**274.3856**	ug/L
ê	Mg	24	238	5017832	49847	1.0	3.816927	**284.1474**	ug/L
ê	Al	27	1225	733315	14573	2.0	0.556765	**29.9169**	ug/L
ê	K	39	619876	9707535	154184	1.6	6.803224	**286.7770**	ug/L
ê	Ca	44	4789	483018	4386	0.9	0.362973	**595.8201**	ug/L
ê>	Sc	45	1065884	1314667	17565	1.3	1314667.192521		ug/L
ê	Cr	52	14356	77251	2048	2.7	0.045286	**2.7488**	ug/L
ê	Cr	53	67	6949	111	1.6	0.005222	**2.8084**	ug/L
ê	Mn	55	1312	33875	816	2.4	0.024542	**1.1394**	ug/L
ê	Fe	54	134900	297308	3676	1.2	0.099616	**86.5281**	ug/L
ê	Fe	57	10869	64510	351	0.5	0.038877	**86.8627**	ug/L
ê	Co	59	68	45773	279	0.6	0.034756	**1.8012**	ug/L
ê	Ni	60	48	20006	327	1.6	0.015173	**3.5743**	ug/L
ë	Ni	62	71	3052	50	1.6	0.002255	**3.5810**	ug/L
é	Cu	65	10	12024	88	0.7	0.010436	**2.2975**	ug/L
ê	Cu	63	35	25564	518	2.0	0.022176	**2.3039**	ug/L
ê	Zn	66	45	8841	119	1.3	0.007637	**3.9061**	ug/L
ê	Zn	68	382	6711	87	1.3	0.005460	**4.0458**	ug/L
ê>	Ge	74	1032763	1151115	7824	0.7	1151115.113067		ug/L
ë	As	75	-107	12723	225	1.8	0.011157	**5.1432**	ug/L
é	Se	77	103	1670	16	0.9	0.001282	**10.6000**	ug/L
ê	Se	82	18	2137	90	4.2	0.001742	**9.0152**	ug/L
ê	Mo	95	12	2627	66	2.5	0.002151	**0.5186**	ug/L
ê	Mo	97	9	1698	47	2.7	0.001389	**0.5258**	ug/L
ê	Mo	98	21	4333	24	0.6	0.003545	**0.5074**	ug/L
ê	Ag	107	7	5897	90	1.5	0.004844	**0.2965**	ug/L
ê	Ag	109	7	7279	111	1.5	0.005980	**0.3441**	ug/L
ê	Cd	111	4	1806	51	2.8	0.001483	**0.3909**	ug/L
ê	Cd	114	28	4331	53	1.2	0.003538	**0.3987**	ug/L
ê>	In	115	1125822	1215833	12220	1.0	1215832.625259		ug/L
ê	Sb	121	11	5364	100	1.9	0.004402	**0.3984**	ug/L
ë	Ba	138	82	48821	255	0.5	0.040083	**1.0777**	ug/L
é>	Tm	169	1024880	1111437	13134	1.2	1111437.283340		ug/L
ê	Tl	205	13	7055	71	1.0	0.006335	**0.2008**	ug/L
ë	Pb	208	43	22232	220	1.0	0.019962	**0.4886**	ug/L

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C	13	35331	38211	304	0.8	2880.064059	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	123.341
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	111.460
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	107.995
	Sb	121	
	Ba	138	
>	Tm	169	108.446
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBG

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 04, 2014 01:53:42
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400285.sam
Method File: C:\NexIONData\Method\2014\04-14\1400285-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-CCBG.173
Calibration File: C:\NexIONData\System\2014\04-14\1400285.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400285\SEQ-ICB1.009

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	16	2	2	65.5	-0.000013	**-0.0181**	ug/L
ê	Na	23	8305	53709	1851	3.4	0.032864	**1.6083**	ug/L
ê	Mg	24	238	669	262	39.2	0.000282	**-0.5124**	ug/L
ê	Al	27	1225	1656	54	3.3	0.000104	**-0.4019**	ug/L
ê	K	39	619876	785924	13089	1.7	0.013424	**0.7217**	ug/L
ê	Ca	44	4789	6237	13	0.2	0.000228	**0.1663**	ug/L
ê>	Sc	45	1065884	1321154	13456	1.0	1321154.392300		ug/L
ê	Cr	52	14356	16785	431	2.6	-0.000764	**-0.0485**	ug/L
ê	Cr	53	67	98	18	18.6	0.000011	**0.0025**	ug/L
ê	Mn	55	1312	1227	34	2.8	-0.000302	**-0.0190**	ug/L
ê	Fe	54	134900	158367	2911	1.8	-0.006697	**-7.9147**	ug/L
ê	Fe	57	10869	10916	123	1.1	-0.001934	**-5.6758**	ug/L
ê	Co	59	68	63	5	7.9	-0.000016	**-0.0104**	ug/L
ê	Ni	60	48	52	7	14.1	-0.000005	**-0.0175**	ug/L
ë	Ni	62	71	136	7	4.9	0.000036	**0.0300**	ug/L
é	Cu	65	10	33	7	19.9	0.000019	**-0.0070**	ug/L
ê	Cu	63	35	65	2	2.3	0.000023	**-0.0095**	ug/L
ê	Zn	66	45	53	9	16.8	0.000003	**-0.0033**	ug/L
ê	Zn	68	382	616	37	5.9	0.000167	**0.1310**	ug/L
ê>	Ge	74	1032763	1147055	15117	1.3	1147054.673650		ug/L
ë	As	75	-107	-103	57	55.7	0.000014	**0.0030**	ug/L
é	Se	77	103	94	15	15.8	-0.000014	**-0.0560**	ug/L
ê	Se	82	18	6	6	87.0	-0.000010	**-0.0118**	ug/L
ê	Mo	95	12	14	8	52.4	0.000001	**0.0010**	ug/L
ê	Mo	97	9	12	2	19.8	0.000002	**-0.0025**	ug/L
ê	Mo	98	21	20	1	6.4	-0.000002	**0.0015**	ug/L
ê	Ag	107	7	10	4	36.1	0.000002	**-0.0006**	ug/L
ê	Ag	109	7	5	0	0.0	-0.000002	**-0.0005**	ug/L
ê	Cd	111	4	2	1	69.3	-0.000002	**-0.0005**	ug/L
ê	Cd	114	28	32	9	27.1	0.000001	**0.0000**	ug/L
ê>	In	115	1125822	1211387	10679	0.9	1211387.364332		ug/L
ê	Sb	121	11	9	3	29.0	-0.000003	**-0.0001**	ug/L
ë	Ba	138	82	110	25	22.4	0.000018	**0.0006**	ug/L
é>	Tm	169	1024880	1119374	11058	1.0	1119374.468858		ug/L
ê	Tl	205	13	5	2	28.6	-0.000008	**-0.0009**	ug/L
ë	Pb	208	43	41	6	14.2	-0.000005	**-0.0011**	ug/L

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C	13	35331	38286	95	0.2	2954.260374	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Be	9	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	123.949
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	111.067
	As	75	
	Se	77	
	Se	82	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	107.600
	Sb	121	
	Ba	138	
>	Tm	169	109.220
	Tl	205	
	Pb	208	
	C	13	

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ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400293-ICB1	1400293	QC	1		-			
1400293-CAL1	1400293	QC	2	1411038	-			
1400293-CAL2	1400293	QC	3	1411039	-			
1400293-CAL3	1400293	QC	4	1411040	-			
1400293-CAL4	1400293	QC	5	1411041	-			
1400293-CAL5	1400293	QC	6	1411042	-			
1400293-CAL6	1400293	QC	7	1411043	-			
1400293-CAL7	1400293	QC	8	1411044	-			
1400293-CAL8	1400293	QC	9	1411045	-			
1400293-ICB2	1400293	QC	10		-			
1400293-ICV1	1400293	QC	11	1341021	-			
1400293-ICB3	1400293	QC	12		-			
1400293-IBL1	1400293	QC	13		-			
1400293-IBL2	1400293	QC	14		-			
1400293-IBL3	1400293	QC	15		-			
1400293-IBL4	1400293	QC	16		-			
1400293-SCV1	1400293	QC	17	1414027	-			
1400293-SCV2	1400293	QC	18	1333002	-			
1400293-SCV3	1400293	QC	19	1352078	-			
1400293-IFA1	1400293	QC	20	1343002	-			
1400293-IFB1	1400293	QC	21	1343001	-			
1400293-CCV1	1400293	QC	22	1411041	-			
1400293-CCB1	1400293	QC	23		-			
B140481-BLK1	B140481	QC	24		-			
B140481-BLK2	B140481	QC	25		-			
B140481-BLK3	B140481	QC	26		-			

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140481-BLK4	B140481	QC	27		-			
B140481-BS1	B140481	QC	28		-			
B140481-SRM1	B140481	QC	29		-			
1331056-15	B140481	Be-SW-RP-ICPMS-TR	30			RP SW-LFB	8/23/2013	
1331056-15	B140481	Cd-SW-RP-ICPMS-TR	30			RP SW-LFB	8/23/2013	
1331056-15	B140481	As-SW-RP-ICPMS-TR	30			RP SW-LFB	8/23/2013	
1331056-15	B140481	Ag-SW-RP-ICPMS-TR	30			RP SW-LFB	8/23/2013	
1331056-15	B140481	Tl-SW-RP-ICPMS-TR	30			RP SW-LFB	8/23/2013	
1331056-15	B140481	Cr-SW-RP-ICPMS-TR	30			RP SW-LFB	8/23/2013	
1331056-15	B140481	Pb-SW-RP-ICPMS-TR	30			RP SW-LFB	8/23/2013	
1331056-15	B140481	Ni-SW-RP-ICPMS-TR	30			RP SW-LFB	8/23/2013	
1331056-15	B140481	Zn-SW-RP-ICPMS-TR	30			RP SW-LFB	8/23/2013	
1331056-15	B140481	Se-SW-RP-ICPMS-TR	30			RP SW-LFB	8/23/2013	
1331056-15	B140481	Sb-SW-RP-ICPMS-TR	30			RP SW-LFB	8/23/2013	
1331056-15	B140481	Cu-SW-RP-ICPMS-TR	30			RP SW-LFB	8/23/2013	
B140481-MS4	B140481	QC	31		1331056-15			
1400293-CCV2	1400293	QC	32	1411041	-			
1400293-CCB2	1400293	QC	33		-			
1412027-01	B140481	Ag-SW-RP-ICPMS-TR	34			EUR-MO1401	4/4/2014	
1412027-01	B140481	As-SW-RP-ICPMS-TR	34			EUR-MO1401	4/4/2014	
1412027-01	B140481	Cd-SW-RP-ICPMS-TR	34			EUR-MO1401	4/4/2014	
1412027-01	B140481	Tl-SW-RP-ICPMS-TR	34			EUR-MO1401	4/4/2014	
1412027-01	B140481	Cr-SW-RP-ICPMS-TR	34			EUR-MO1401	4/4/2014	
1412027-01	B140481	Cu-SW-RP-ICPMS-TR	34			EUR-MO1401	4/4/2014	
1412027-01	B140481	Zn-SW-RP-ICPMS-TR	34			EUR-MO1401	4/4/2014	
1412027-01	B140481	Ni-SW-RP-ICPMS-TR	34			EUR-MO1401	4/4/2014	

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412027-01	B140481	Pb-SW-RP-ICPMS-TR	34			EUR-MO1401	4/4/2014	
1412027-01	B140481	Sb-SW-RP-ICPMS-TR	34			EUR-MO1401	4/4/2014	
1412027-01	B140481	Se-SW-RP-ICPMS-TR	34			EUR-MO1401	4/4/2014	
1412027-01	B140481	Be-SW-RP-ICPMS-TR	34			EUR-MO1401	4/4/2014	
B140481-DUP1	B140481	QC	35		1412027-01			
B140481-MS1	B140481	QC	36		1412027-01			
1412027-02	B140481	Tl-SW-RP-ICPMS-TR	37			EUR-MO1401	4/4/2014	
1412027-02	B140481	As-SW-RP-ICPMS-TR	37			EUR-MO1401	4/4/2014	
1412027-02	B140481	Zn-SW-RP-ICPMS-TR	37			EUR-MO1401	4/4/2014	
1412027-02	B140481	Cd-SW-RP-ICPMS-TR	37			EUR-MO1401	4/4/2014	
1412027-02	B140481	Cr-SW-RP-ICPMS-TR	37			EUR-MO1401	4/4/2014	
1412027-02	B140481	Se-SW-RP-ICPMS-TR	37			EUR-MO1401	4/4/2014	
1412027-02	B140481	Cu-SW-RP-ICPMS-TR	37			EUR-MO1401	4/4/2014	
1412027-02	B140481	Ni-SW-RP-ICPMS-TR	37			EUR-MO1401	4/4/2014	
1412027-02	B140481	Pb-SW-RP-ICPMS-TR	37			EUR-MO1401	4/4/2014	
1412027-02	B140481	Be-SW-RP-ICPMS-TR	37			EUR-MO1401	4/4/2014	
1412027-02	B140481	Ag-SW-RP-ICPMS-TR	37			EUR-MO1401	4/4/2014	
1412027-02	B140481	Sb-SW-RP-ICPMS-TR	37			EUR-MO1401	4/4/2014	
1412027-03	B140481	Ag-SW-RP-ICPMS-TR	38			EUR-MO1401	4/4/2014	
1412027-03	B140481	Pb-SW-RP-ICPMS-TR	38			EUR-MO1401	4/4/2014	
1412027-03	B140481	As-SW-RP-ICPMS-TR	38			EUR-MO1401	4/4/2014	
1412027-03	B140481	Zn-SW-RP-ICPMS-TR	38			EUR-MO1401	4/4/2014	
1412027-03	B140481	Sb-SW-RP-ICPMS-TR	38			EUR-MO1401	4/4/2014	
1412027-03	B140481	Tl-SW-RP-ICPMS-TR	38			EUR-MO1401	4/4/2014	
1412027-03	B140481	Se-SW-RP-ICPMS-TR	38			EUR-MO1401	4/4/2014	
1412027-03	B140481	Ni-SW-RP-ICPMS-TR	38			EUR-MO1401	4/4/2014	

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412027-03	B140481	Cd-SW-RP-ICPMS-TR	38			EUR-MO1401	4/4/2014	
1412027-03	B140481	Cu-SW-RP-ICPMS-TR	38			EUR-MO1401	4/4/2014	
1412027-03	B140481	Cr-SW-RP-ICPMS-TR	38			EUR-MO1401	4/4/2014	
1412027-03	B140481	Be-SW-RP-ICPMS-TR	38			EUR-MO1401	4/4/2014	
1412027-04	B140481	Zn-SW-RP-ICPMS-TR	39			EUR-MO1401	4/4/2014	
1412027-04	B140481	Cu-SW-RP-ICPMS-TR	39			EUR-MO1401	4/4/2014	
1412027-04	B140481	Cr-SW-RP-ICPMS-TR	39			EUR-MO1401	4/4/2014	
1412027-04	B140481	Pb-SW-RP-ICPMS-TR	39			EUR-MO1401	4/4/2014	
1412027-04	B140481	Be-SW-RP-ICPMS-TR	39			EUR-MO1401	4/4/2014	
1412027-04	B140481	Sb-SW-RP-ICPMS-TR	39			EUR-MO1401	4/4/2014	
1412027-04	B140481	Se-SW-RP-ICPMS-TR	39			EUR-MO1401	4/4/2014	
1412027-04	B140481	Ag-SW-RP-ICPMS-TR	39			EUR-MO1401	4/4/2014	
1412027-04	B140481	As-SW-RP-ICPMS-TR	39			EUR-MO1401	4/4/2014	
1412027-04	B140481	Ni-SW-RP-ICPMS-TR	39			EUR-MO1401	4/4/2014	
1412027-04	B140481	Tl-SW-RP-ICPMS-TR	39			EUR-MO1401	4/4/2014	
1412027-04	B140481	Cd-SW-RP-ICPMS-TR	39			EUR-MO1401	4/4/2014	
1412027-05	B140481	Cd-SW-RP-ICPMS-TR	40			EUR-MO1401	4/4/2014	
1412027-05	B140481	Ag-SW-RP-ICPMS-TR	40			EUR-MO1401	4/4/2014	
1412027-05	B140481	As-SW-RP-ICPMS-TR	40			EUR-MO1401	4/4/2014	
1412027-05	B140481	Ni-SW-RP-ICPMS-TR	40			EUR-MO1401	4/4/2014	
1412027-05	B140481	Pb-SW-RP-ICPMS-TR	40			EUR-MO1401	4/4/2014	
1412027-05	B140481	Sb-SW-RP-ICPMS-TR	40			EUR-MO1401	4/4/2014	
1412027-05	B140481	Be-SW-RP-ICPMS-TR	40			EUR-MO1401	4/4/2014	
1412027-05	B140481	Tl-SW-RP-ICPMS-TR	40			EUR-MO1401	4/4/2014	
1412027-05	B140481	Cr-SW-RP-ICPMS-TR	40			EUR-MO1401	4/4/2014	
1412027-05	B140481	Cu-SW-RP-ICPMS-TR	40			EUR-MO1401	4/4/2014	

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412027-05	B140481	Zn-SW-RP-ICPMS-TR	40			EUR-MO1401	4/4/2014	
1412027-05	B140481	Se-SW-RP-ICPMS-TR	40			EUR-MO1401	4/4/2014	
1412027-06	B140481	Se-SW-RP-ICPMS-TR	41			EUR-MO1401	4/4/2014	
1412027-06	B140481	Cr-SW-RP-ICPMS-TR	41			EUR-MO1401	4/4/2014	
1412027-06	B140481	Ag-SW-RP-ICPMS-TR	41			EUR-MO1401	4/4/2014	
1412027-06	B140481	As-SW-RP-ICPMS-TR	41			EUR-MO1401	4/4/2014	
1412027-06	B140481	Pb-SW-RP-ICPMS-TR	41			EUR-MO1401	4/4/2014	
1412027-06	B140481	Zn-SW-RP-ICPMS-TR	41			EUR-MO1401	4/4/2014	
1412027-06	B140481	Tl-SW-RP-ICPMS-TR	41			EUR-MO1401	4/4/2014	
1412027-06	B140481	Sb-SW-RP-ICPMS-TR	41			EUR-MO1401	4/4/2014	
1412027-06	B140481	Cu-SW-RP-ICPMS-TR	41			EUR-MO1401	4/4/2014	
1412027-06	B140481	Cd-SW-RP-ICPMS-TR	41			EUR-MO1401	4/4/2014	
1412027-06	B140481	Be-SW-RP-ICPMS-TR	41			EUR-MO1401	4/4/2014	
1412027-06	B140481	Ni-SW-RP-ICPMS-TR	41			EUR-MO1401	4/4/2014	
1400293-CCV3	1400293	QC	42	1411041	-			
1400293-CCB3	1400293	QC	43		-			
1412032-01	B140481	Cd-SW-RP-ICPMS-TR	44			EUR-MO1401	4/7/2014	
1412032-01	B140481	Zn-SW-RP-ICPMS-TR	44			EUR-MO1401	4/7/2014	
1412032-01	B140481	Cr-SW-RP-ICPMS-TR	44			EUR-MO1401	4/7/2014	
1412032-01	B140481	Tl-SW-RP-ICPMS-TR	44			EUR-MO1401	4/7/2014	
1412032-01	B140481	Se-SW-RP-ICPMS-TR	44			EUR-MO1401	4/7/2014	
1412032-01	B140481	Ni-SW-RP-ICPMS-TR	44			EUR-MO1401	4/7/2014	
1412032-01	B140481	Sb-SW-RP-ICPMS-TR	44			EUR-MO1401	4/7/2014	
1412032-01	B140481	Be-SW-RP-ICPMS-TR	44			EUR-MO1401	4/7/2014	
1412032-01	B140481	As-SW-RP-ICPMS-TR	44			EUR-MO1401	4/7/2014	
1412032-01	B140481	Ag-SW-RP-ICPMS-TR	44			EUR-MO1401	4/7/2014	

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412032-01	B140481	Pb-SW-RP-ICPMS-TR	44			EUR-MO1401	4/7/2014	
1412032-01	B140481	Cu-SW-RP-ICPMS-TR	44			EUR-MO1401	4/7/2014	
1412032-02	B140481	Ni-SW-RP-ICPMS-TR	45			EUR-MO1401	4/7/2014	
1412032-02	B140481	Tl-SW-RP-ICPMS-TR	45			EUR-MO1401	4/7/2014	
1412032-02	B140481	Ag-SW-RP-ICPMS-TR	45			EUR-MO1401	4/7/2014	
1412032-02	B140481	Cr-SW-RP-ICPMS-TR	45			EUR-MO1401	4/7/2014	
1412032-02	B140481	Zn-SW-RP-ICPMS-TR	45			EUR-MO1401	4/7/2014	
1412032-02	B140481	Cd-SW-RP-ICPMS-TR	45			EUR-MO1401	4/7/2014	
1412032-02	B140481	Sb-SW-RP-ICPMS-TR	45			EUR-MO1401	4/7/2014	
1412032-02	B140481	Pb-SW-RP-ICPMS-TR	45			EUR-MO1401	4/7/2014	
1412032-02	B140481	Be-SW-RP-ICPMS-TR	45			EUR-MO1401	4/7/2014	
1412032-02	B140481	Se-SW-RP-ICPMS-TR	45			EUR-MO1401	4/7/2014	
1412032-02	B140481	Cu-SW-RP-ICPMS-TR	45			EUR-MO1401	4/7/2014	
1412032-02	B140481	As-SW-RP-ICPMS-TR	45			EUR-MO1401	4/7/2014	
1412024-01	B140481	Be-SW-RP-ICPMS-TR	46			CI-SE1301 RMT	1/1/1980	BatchQC
1412024-01	B140481	Cu-SW-RP-ICPMS-TR	46			CI-SE1301 RMT	4/10/2014	
1412024-01	B140481	Ni-SW-RP-ICPMS-TR	46			CI-SE1301 RMT	4/10/2014	
1412024-01	B140481	Pb-SW-RP-ICPMS-TR	46			CI-SE1301 RMT	4/10/2014	
1412024-01	B140481	Se-SW-RP-ICPMS-TR	46			CI-SE1301 RMT	4/10/2014	
1412024-01	B140481	Zn-SW-RP-ICPMS-TR	46			CI-SE1301 RMT	4/10/2014	
1412024-01	B140481	As-SW-RP-ICPMS-TR	46			CI-SE1301 RMT	4/10/2014	
1412024-01	B140481	Ag-SW-RP-ICPMS-TR	46			CI-SE1301 RMT	4/10/2014	
1412024-01	B140481	Tl-SW-RP-ICPMS-TR	46			CI-SE1301 RMT	1/1/1980	BatchQC
1412024-01	B140481	Sb-SW-RP-ICPMS-TR	46			CI-SE1301 RMT	1/1/1980	BatchQC
1412024-01	B140481	Cd-SW-RP-ICPMS-TR	46			CI-SE1301 RMT	4/10/2014	
1412024-01	B140481	Cr-SW-RP-ICPMS-TR	46			CI-SE1301 RMT	1/1/1980	BatchQC

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140481-DUP2	B140481	QC	47		1412024-01			
B140481-MS2	B140481	QC	48		1412024-01			
1412024-02	B140481	Ni-SW-RP-ICPMS-TR	49			CI-SE1301 RMT	4/10/2014	
1412024-02	B140481	Se-SW-RP-ICPMS-TR	49			CI-SE1301 RMT	4/10/2014	
1412024-02	B140481	Pb-SW-RP-ICPMS-TR	49			CI-SE1301 RMT	4/10/2014	
1412024-02	B140481	Zn-SW-RP-ICPMS-TR	49			CI-SE1301 RMT	4/10/2014	
1412024-02	B140481	Ag-SW-RP-ICPMS-TR	49			CI-SE1301 RMT	4/10/2014	
1412024-02	B140481	As-SW-RP-ICPMS-TR	49			CI-SE1301 RMT	4/10/2014	
1412024-02	B140481	Cd-SW-RP-ICPMS-TR	49			CI-SE1301 RMT	4/10/2014	
1412024-02	B140481	Cu-SW-RP-ICPMS-TR	49			CI-SE1301 RMT	4/10/2014	
1412024-03	B140481	Cd-SW-RP-ICPMS-TR	50			CI-SE1301 RMT	4/10/2014	
1412024-03	B140481	Sb-SW-RP-ICPMS-TR	50			CI-SE1301 RMT	1/1/1980	BatchQC
1412024-03	B140481	Se-SW-RP-ICPMS-TR	50			CI-SE1301 RMT	4/10/2014	
1412024-03	B140481	As-SW-RP-ICPMS-TR	50			CI-SE1301 RMT	4/10/2014	
1412024-03	B140481	Cr-SW-RP-ICPMS-TR	50			CI-SE1301 RMT	1/1/1980	BatchQC
1412024-03	B140481	Pb-SW-RP-ICPMS-TR	50			CI-SE1301 RMT	4/10/2014	
1412024-03	B140481	Be-SW-RP-ICPMS-TR	50			CI-SE1301 RMT	1/1/1980	BatchQC
1412024-03	B140481	Zn-SW-RP-ICPMS-TR	50			CI-SE1301 RMT	4/10/2014	
1412024-03	B140481	Ag-SW-RP-ICPMS-TR	50			CI-SE1301 RMT	4/10/2014	
1412024-03	B140481	Cu-SW-RP-ICPMS-TR	50			CI-SE1301 RMT	4/10/2014	
1412024-03	B140481	Ni-SW-RP-ICPMS-TR	50			CI-SE1301 RMT	4/10/2014	
1412024-03	B140481	Tl-SW-RP-ICPMS-TR	50			CI-SE1301 RMT	1/1/1980	BatchQC
B140481-DUP3	B140481	QC	51		1412024-03			
B140481-MS3	B140481	QC	52		1412024-03			
1400293-CCV4	1400293	QC	53	1411041	-			
1400293-CCB4	1400293	QC	54		-			

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412024-05	B140481	As-SW-RP-ICPMS-TR	55			CI-SE1301 RMT	4/10/2014	
1412024-05	B140481	Cu-SW-RP-ICPMS-TR	55			CI-SE1301 RMT	4/10/2014	
1412024-05	B140481	Cd-SW-RP-ICPMS-TR	55			CI-SE1301 RMT	4/10/2014	
1412024-05	B140481	Ni-SW-RP-ICPMS-TR	55			CI-SE1301 RMT	4/10/2014	
1412024-05	B140481	Pb-SW-RP-ICPMS-TR	55			CI-SE1301 RMT	4/10/2014	
1412024-05	B140481	Se-SW-RP-ICPMS-TR	55			CI-SE1301 RMT	4/10/2014	
1412024-05	B140481	Ag-SW-RP-ICPMS-TR	55			CI-SE1301 RMT	4/10/2014	
1412024-05	B140481	Zn-SW-RP-ICPMS-TR	55			CI-SE1301 RMT	4/10/2014	
1412024-07	B140481	Cu-SW-RP-ICPMS-TR	56			CI-SE1301 RMT	4/10/2014	
1412024-07	B140481	Se-SW-RP-ICPMS-TR	56			CI-SE1301 RMT	4/10/2014	
1412024-07	B140481	As-SW-RP-ICPMS-TR	56			CI-SE1301 RMT	4/10/2014	
1412024-07	B140481	Ag-SW-RP-ICPMS-TR	56			CI-SE1301 RMT	4/10/2014	
1412024-07	B140481	Cd-SW-RP-ICPMS-TR	56			CI-SE1301 RMT	4/10/2014	
1412024-07	B140481	Ni-SW-RP-ICPMS-TR	56			CI-SE1301 RMT	4/10/2014	
1412024-07	B140481	Zn-SW-RP-ICPMS-TR	56			CI-SE1301 RMT	4/10/2014	
1412024-07	B140481	Pb-SW-RP-ICPMS-TR	56			CI-SE1301 RMT	4/10/2014	
1412024-09	B140481	Se-SW-RP-ICPMS-TR	57			CI-SE1301 RMT	4/10/2014	
1412024-09	B140481	Zn-SW-RP-ICPMS-TR	57			CI-SE1301 RMT	4/10/2014	
1412024-09	B140481	Ag-SW-RP-ICPMS-TR	57			CI-SE1301 RMT	4/10/2014	
1412024-09	B140481	Cu-SW-RP-ICPMS-TR	57			CI-SE1301 RMT	4/10/2014	
1412024-09	B140481	As-SW-RP-ICPMS-TR	57			CI-SE1301 RMT	4/10/2014	
1412024-09	B140481	Cd-SW-RP-ICPMS-TR	57			CI-SE1301 RMT	4/10/2014	
1412024-09	B140481	Ni-SW-RP-ICPMS-TR	57			CI-SE1301 RMT	4/10/2014	
1412024-09	B140481	Pb-SW-RP-ICPMS-TR	57			CI-SE1301 RMT	4/10/2014	
1412024-11	B140481	Zn-SW-RP-ICPMS-TR	58			CI-SE1301 RMT	4/10/2014	
1412024-11	B140481	Pb-SW-RP-ICPMS-TR	58			CI-SE1301 RMT	4/10/2014	

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412024-11	B140481	As-SW-RP-ICPMS-TR	58			CI-SE1301 RMT	4/10/2014	
1412024-11	B140481	Ni-SW-RP-ICPMS-TR	58			CI-SE1301 RMT	4/10/2014	
1412024-11	B140481	Cd-SW-RP-ICPMS-TR	58			CI-SE1301 RMT	4/10/2014	
1412024-11	B140481	Ag-SW-RP-ICPMS-TR	58			CI-SE1301 RMT	4/10/2014	
1412024-11	B140481	Cu-SW-RP-ICPMS-TR	58			CI-SE1301 RMT	4/10/2014	
1412024-11	B140481	Se-SW-RP-ICPMS-TR	58			CI-SE1301 RMT	4/10/2014	
1414010-01	B140481	Ni-SW-RP-ICPMS-TR	59			RTC-PE1001	4/23/2014	
1414010-01	B140481	Cd-SW-RP-ICPMS-TR	59			RTC-PE1001	4/23/2014	
1414010-01	B140481	Be-SW-RP-ICPMS-TR	59			RTC-PE1001	4/23/2014	
1414010-01	B140481	Sb-SW-RP-ICPMS-TR	59			RTC-PE1001	4/17/2014	
1403036-01RE2	B140481	Ni-SW-RP-ICPMS-TR	60			RTC-PE1001	2/10/2014	From B140053 by CCE on 04/05/14
1403036-01RE2	B140481	Cd-SW-RP-ICPMS-TR	60			RTC-PE1001	2/10/2014	From B140053 by CCE on 04/05/14
1403036-01RE2	B140481	Be-SW-RP-ICPMS-TR	60			RTC-PE1001	2/10/2014	From B140053 by CCE on 04/05/14
1403036-01RE2	B140481	Cu-SW-RP-ICPMS-TR	60			RTC-PE1001	2/10/2014	Added 4/5/2014 by CCE
1403036-01RE2	B140481	Zn-SW-RP-ICPMS-TR	60			RTC-PE1001	2/10/2014	Added 4/5/2014 by CCE
1403036-01RE2	B140481	Cr-SW-RP-ICPMS-TR	60			RTC-PE1001	2/10/2014	Added 4/5/2014 by CCE
1403036-01RE2	B140481	Se-SW-RP-ICPMS-TR	60			RTC-PE1001	2/10/2014	From B140053 by CCE on 04/05/14
1403036-01RE2	B140481	Pb-SW-RP-ICPMS-TR	60			RTC-PE1001	2/10/2014	From B140053 by CCE on 04/05/14
1403036-01RE2	B140481	As-SW-RP-ICPMS-TR	60			RTC-PE1001	2/10/2014	From B140053 by CCE on 04/05/14
1400293-CCV5	1400293	QC	61	1411041	-			
1400293-CCB5	1400293	QC	62		-			
B140542-BLK1	B140542	QC	63		-			
B140542-BLK2	B140542	QC	64		-			
B140542-BLK3	B140542	QC	65		-			
B140542-BLK4	B140542	QC	66		-			
B140542-BS1	B140542	QC	67		-			

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140542-SRM1	B140542	QC	68		-			
B140542-SRM2	B140542	QC	69		-			
1413026-17	B140542	Mg-FW-Oven-ICPMS-Diss	70			EPR-PA1401	4/3/2014	
1413026-17	B140542	Al-FW-Oven-ICPMS-Diss	70			EPR-PA1401	4/3/2014	
1413026-17	B140542	Ca-FW-Oven-ICPMS-Diss	70			EPR-PA1401	4/3/2014	
1413026-17	B140542	Mo-FW-Oven-ICPMS-Diss	70			EPR-PA1401	4/3/2014	
1413026-17	B140542	Na-FW-Oven-ICPMS-Diss	70			EPR-PA1401	4/3/2014	
1413026-17	B140542	Pb-FW-Oven-ICPMS-Diss	70			EPR-PA1401	4/3/2014	
1413026-17	B140542	Mn-FW-Oven-ICPMS-Diss	70			EPR-PA1401	4/3/2014	
1413026-17	B140542	K-FW-Oven-ICPMS-Diss	70			EPR-PA1401	4/3/2014	
1413026-17	B140542	Cd-FW-Oven-ICPMS-Diss	70			EPR-PA1401	4/3/2014	
1413026-17	B140542	Tl-FW-Oven-ICPMS-Diss	70			EPR-PA1401	4/3/2014	
1412024-13	B140542	Pb-FW-Oven-ICPMS-TR	71			CI-SE1301 RMT	4/10/2014	
1412024-13	B140542	Zn-FW-Oven-ICPMS-TR	71			CI-SE1301 RMT	4/10/2014	
1412024-13	B140542	Se-FW-Oven-ICPMS-TR	71			CI-SE1301 RMT	4/10/2014	
1412024-13	B140542	As-FW-Oven-ICPMS-TR	71			CI-SE1301 RMT	4/10/2014	
1412024-13	B140542	Ag-FW-Oven-ICPMS-TR	71			CI-SE1301 RMT	4/10/2014	
1412024-13	B140542	Ni-FW-Oven-ICPMS-TR	71			CI-SE1301 RMT	4/10/2014	
1412024-13	B140542	Cu-FW-Oven-ICPMS-TR	71			CI-SE1301 RMT	4/10/2014	
1412024-13	B140542	Cd-FW-Oven-ICPMS-TR	71			CI-SE1301 RMT	4/10/2014	
1412024-14	B140542	Se-FW-Oven-ICPMS-TR	72			CI-SE1301 RMT	4/10/2014	
1412024-14	B140542	Pb-FW-Oven-ICPMS-TR	72			CI-SE1301 RMT	4/10/2014	
1412024-14	B140542	Ni-FW-Oven-ICPMS-TR	72			CI-SE1301 RMT	4/10/2014	
1412024-14	B140542	Cu-FW-Oven-ICPMS-TR	72			CI-SE1301 RMT	4/10/2014	
1412024-14	B140542	Zn-FW-Oven-ICPMS-TR	72			CI-SE1301 RMT	4/10/2014	
1412024-14	B140542	Cd-FW-Oven-ICPMS-TR	72			CI-SE1301 RMT	4/10/2014	

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1412024-14	B140542	As-FW-Oven-ICPMS-TR	72			CI-SE1301 RMT	4/10/2014	
1412024-14	B140542	Ag-FW-Oven-ICPMS-TR	72			CI-SE1301 RMT	4/10/2014	
1400293-CCV6	1400293	QC	73	1411041	-			
1400293-CCB6	1400293	QC	74		-			
1413026-01	B140542	Na-FW-Oven-ICPMS-Diss	75			EPR-PA1401	1/1/1980	BatchQC
1413026-01	B140542	K-FW-Oven-ICPMS-TR	75			EPR-PA1401	4/3/2014	
1413026-01	B140542	Pb-FW-Oven-ICPMS-TR	75			EPR-PA1401	4/3/2014	
1413026-01	B140542	Tl-FW-Oven-ICPMS-TR	75			EPR-PA1401	4/3/2014	
1413026-01	B140542	Cu-FW-Oven-ICPMS-TR	75			EPR-PA1401	1/1/1980	BatchQC
1413026-01	B140542	Ni-FW-Oven-ICPMS-TR	75			EPR-PA1401	1/1/1980	BatchQC
1413026-01	B140542	Se-FW-Oven-ICPMS-TR	75			EPR-PA1401	1/1/1980	BatchQC
1413026-01	B140542	K-FW-Oven-ICPMS-Diss	75			EPR-PA1401	1/1/1980	BatchQC
1413026-01	B140542	Mg-FW-Oven-ICPMS-Diss	75			EPR-PA1401	1/1/1980	BatchQC
1413026-01	B140542	Cd-FW-Oven-ICPMS-TR	75			EPR-PA1401	4/3/2014	
1413026-01	B140542	Mo-FW-Oven-ICPMS-Diss	75			EPR-PA1401	1/1/1980	BatchQC
1413026-01	B140542	As-FW-Oven-ICPMS-TR	75			EPR-PA1401	1/1/1980	BatchQC
1413026-01	B140542	Pb-FW-Oven-ICPMS-Diss	75			EPR-PA1401	1/1/1980	BatchQC
1413026-01	B140542	Tl-FW-Oven-ICPMS-Diss	75			EPR-PA1401	1/1/1980	BatchQC
1413026-01	B140542	Mg-FW-Oven-ICPMS-TR	75			EPR-PA1401	4/3/2014	
1413026-01	B140542	Mn-FW-Oven-ICPMS-TR	75			EPR-PA1401	4/3/2014	
1413026-01	B140542	Mo-FW-Oven-ICPMS-TR	75			EPR-PA1401	4/3/2014	
1413026-01	B140542	Na-FW-Oven-ICPMS-TR	75			EPR-PA1401	4/3/2014	
1413026-01	B140542	Mn-FW-Oven-ICPMS-Diss	75			EPR-PA1401	1/1/1980	BatchQC
1413026-01	B140542	Al-FW-Oven-ICPMS-Diss	75			EPR-PA1401	1/1/1980	BatchQC
1413026-01	B140542	Al-FW-Oven-ICPMS-TR	75			EPR-PA1401	4/3/2014	
1413026-01	B140542	Ca-FW-Oven-ICPMS-Diss	75			EPR-PA1401	1/1/1980	BatchQC

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1413026-01	B140542	Cd-FW-Oven-ICPMS-Diss	75			EPR-PA1401	1/1/1980	BatchQC
1413026-01	B140542	Zn-FW-Oven-ICPMS-TR	75			EPR-PA1401	1/1/1980	BatchQC
1413026-01	B140542	Ag-FW-Oven-ICPMS-TR	75			EPR-PA1401	1/1/1980	BatchQC
1413026-01	B140542	Ca-FW-Oven-ICPMS-TR	75			EPR-PA1401	4/3/2014	
B140542-DUP1	B140542	QC	76		1413026-01			
B140542-MS1	B140542	QC	77		1413026-01			
B140542-MSD1	B140542	QC	78		1413026-01			
1413026-05	B140542	Mg-FW-Oven-ICPMS-Diss	79			EPR-PA1401	4/3/2014	
1413026-05	B140542	K-FW-Oven-ICPMS-Diss	79			EPR-PA1401	4/3/2014	
1413026-05	B140542	Tl-FW-Oven-ICPMS-Diss	79			EPR-PA1401	4/3/2014	
1413026-05	B140542	Al-FW-Oven-ICPMS-Diss	79			EPR-PA1401	4/3/2014	
1413026-05	B140542	Ca-FW-Oven-ICPMS-Diss	79			EPR-PA1401	4/3/2014	
1413026-05	B140542	Mo-FW-Oven-ICPMS-Diss	79			EPR-PA1401	4/3/2014	
1413026-05	B140542	Na-FW-Oven-ICPMS-Diss	79			EPR-PA1401	4/3/2014	
1413026-05	B140542	Cd-FW-Oven-ICPMS-Diss	79			EPR-PA1401	4/3/2014	
1413026-05	B140542	Pb-FW-Oven-ICPMS-Diss	79			EPR-PA1401	4/3/2014	
1413026-05	B140542	Mn-FW-Oven-ICPMS-Diss	79			EPR-PA1401	4/3/2014	
1413026-06	B140542	Al-FW-Oven-ICPMS-TR	80			EPR-PA1401	4/3/2014	
1413026-06	B140542	Cd-FW-Oven-ICPMS-TR	80			EPR-PA1401	4/3/2014	
1413026-06	B140542	Mn-FW-Oven-ICPMS-TR	80			EPR-PA1401	4/3/2014	
1413026-06	B140542	Mg-FW-Oven-ICPMS-TR	80			EPR-PA1401	4/3/2014	
1413026-06	B140542	Mo-FW-Oven-ICPMS-TR	80			EPR-PA1401	4/3/2014	
1413026-06	B140542	K-FW-Oven-ICPMS-TR	80			EPR-PA1401	4/3/2014	
1413026-06	B140542	Tl-FW-Oven-ICPMS-TR	80			EPR-PA1401	4/3/2014	
1413026-06	B140542	Pb-FW-Oven-ICPMS-TR	80			EPR-PA1401	4/3/2014	
1413026-06	B140542	Na-FW-Oven-ICPMS-TR	80			EPR-PA1401	4/3/2014	

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1413026-06	B140542	Ca-FW-Oven-ICPMS-TR	80			EPR-PA1401	4/3/2014	
1400293-CCV7	1400293	QC	81	1411041	-			
1400293-CCB7	1400293	QC	82		-			
1413026-10	B140542	Mg-FW-Oven-ICPMS-Diss	83			EPR-PA1401	4/3/2014	
1413026-10	B140542	Al-FW-Oven-ICPMS-Diss	83			EPR-PA1401	4/3/2014	
1413026-10	B140542	Cd-FW-Oven-ICPMS-Diss	83			EPR-PA1401	4/3/2014	
1413026-10	B140542	K-FW-Oven-ICPMS-Diss	83			EPR-PA1401	4/3/2014	
1413026-10	B140542	Na-FW-Oven-ICPMS-Diss	83			EPR-PA1401	4/3/2014	
1413026-10	B140542	Mn-FW-Oven-ICPMS-Diss	83			EPR-PA1401	4/3/2014	
1413026-10	B140542	Pb-FW-Oven-ICPMS-Diss	83			EPR-PA1401	4/3/2014	
1413026-10	B140542	Ca-FW-Oven-ICPMS-Diss	83			EPR-PA1401	4/3/2014	
1413026-10	B140542	Tl-FW-Oven-ICPMS-Diss	83			EPR-PA1401	4/3/2014	
1413026-10	B140542	Mo-FW-Oven-ICPMS-Diss	83			EPR-PA1401	4/3/2014	
1413026-11	B140542	Mn-FW-Oven-ICPMS-TR	84			EPR-PA1401	4/3/2014	
1413026-11	B140542	Al-FW-Oven-ICPMS-TR	84			EPR-PA1401	4/3/2014	
1413026-11	B140542	Ca-FW-Oven-ICPMS-TR	84			EPR-PA1401	4/3/2014	
1413026-11	B140542	Cd-FW-Oven-ICPMS-TR	84			EPR-PA1401	4/3/2014	
1413026-11	B140542	K-FW-Oven-ICPMS-TR	84			EPR-PA1401	4/3/2014	
1413026-11	B140542	Mg-FW-Oven-ICPMS-TR	84			EPR-PA1401	4/3/2014	
1413026-11	B140542	Tl-FW-Oven-ICPMS-TR	84			EPR-PA1401	4/3/2014	
1413026-11	B140542	Pb-FW-Oven-ICPMS-TR	84			EPR-PA1401	4/3/2014	
1413026-11	B140542	Na-FW-Oven-ICPMS-TR	84			EPR-PA1401	4/3/2014	
1413026-11	B140542	Mo-FW-Oven-ICPMS-TR	84			EPR-PA1401	4/3/2014	
1413026-16	B140542	Mn-FW-Oven-ICPMS-Diss	85			EPR-PA1401	4/3/2014	
1413026-16	B140542	Mg-FW-Oven-ICPMS-Diss	85			EPR-PA1401	4/3/2014	
1413026-16	B140542	K-FW-Oven-ICPMS-Diss	85			EPR-PA1401	4/3/2014	

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1413026-16	B140542	Cd-FW-Oven-ICPMS-Diss	85			EPR-PA1401	4/3/2014	
1413026-16	B140542	Al-FW-Oven-ICPMS-Diss	85			EPR-PA1401	4/3/2014	
1413026-16	B140542	Na-FW-Oven-ICPMS-Diss	85			EPR-PA1401	4/3/2014	
1413026-16	B140542	Pb-FW-Oven-ICPMS-Diss	85			EPR-PA1401	4/3/2014	
1413026-16	B140542	Ca-FW-Oven-ICPMS-Diss	85			EPR-PA1401	4/3/2014	
1413026-16	B140542	Mo-FW-Oven-ICPMS-Diss	85			EPR-PA1401	4/3/2014	
1413026-16	B140542	Tl-FW-Oven-ICPMS-Diss	85			EPR-PA1401	4/3/2014	
1413026-23	B140542	Mg-FW-Oven-ICPMS-Diss	86			EPR-PA1401	4/3/2014	
1413026-23	B140542	Al-FW-Oven-ICPMS-Diss	86			EPR-PA1401	4/3/2014	
1413026-23	B140542	Ca-FW-Oven-ICPMS-Diss	86			EPR-PA1401	4/3/2014	
1413026-23	B140542	K-FW-Oven-ICPMS-Diss	86			EPR-PA1401	4/3/2014	
1413026-23	B140542	Mn-FW-Oven-ICPMS-Diss	86			EPR-PA1401	4/3/2014	
1413026-23	B140542	Mo-FW-Oven-ICPMS-Diss	86			EPR-PA1401	4/3/2014	
1413026-23	B140542	Na-FW-Oven-ICPMS-Diss	86			EPR-PA1401	4/3/2014	
1413026-23	B140542	Tl-FW-Oven-ICPMS-Diss	86			EPR-PA1401	4/3/2014	
1413026-23	B140542	Pb-FW-Oven-ICPMS-Diss	86			EPR-PA1401	4/3/2014	
1413026-23	B140542	Cd-FW-Oven-ICPMS-Diss	86			EPR-PA1401	4/3/2014	
1413026-27	B140542	Tl-FW-Oven-ICPMS-Diss	87			EPR-PA1401	4/3/2014	
1413026-27	B140542	Cd-FW-Oven-ICPMS-Diss	87			EPR-PA1401	4/3/2014	
1413026-27	B140542	Ca-FW-Oven-ICPMS-Diss	87			EPR-PA1401	4/3/2014	
1413026-27	B140542	Mo-FW-Oven-ICPMS-Diss	87			EPR-PA1401	4/3/2014	
1413026-27	B140542	Pb-FW-Oven-ICPMS-Diss	87			EPR-PA1401	4/3/2014	
1413026-27	B140542	Al-FW-Oven-ICPMS-Diss	87			EPR-PA1401	4/3/2014	
1413026-27	B140542	Mn-FW-Oven-ICPMS-Diss	87			EPR-PA1401	4/3/2014	
1413026-27	B140542	Mg-FW-Oven-ICPMS-Diss	87			EPR-PA1401	4/3/2014	
1413026-27	B140542	K-FW-Oven-ICPMS-Diss	87			EPR-PA1401	4/3/2014	

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1413026-27	B140542	Na-FW-Oven-ICPMS-Diss	87			EPR-PA1401	4/3/2014	
1413026-35	B140542	Mn-FW-Oven-ICPMS-Diss	88			EPR-PA1401	4/3/2014	
1413026-35	B140542	Mo-FW-Oven-ICPMS-Diss	88			EPR-PA1401	4/3/2014	
1413026-35	B140542	Na-FW-Oven-ICPMS-Diss	88			EPR-PA1401	4/3/2014	
1413026-35	B140542	Pb-FW-Oven-ICPMS-Diss	88			EPR-PA1401	4/3/2014	
1413026-35	B140542	K-FW-Oven-ICPMS-Diss	88			EPR-PA1401	4/3/2014	
1413026-35	B140542	Tl-FW-Oven-ICPMS-Diss	88			EPR-PA1401	4/3/2014	
1413026-35	B140542	Mg-FW-Oven-ICPMS-Diss	88			EPR-PA1401	4/3/2014	
1413026-35	B140542	Cd-FW-Oven-ICPMS-Diss	88			EPR-PA1401	4/3/2014	
1413026-35	B140542	Ca-FW-Oven-ICPMS-Diss	88			EPR-PA1401	4/3/2014	
1413026-35	B140542	Al-FW-Oven-ICPMS-Diss	88			EPR-PA1401	4/3/2014	
1400293-CCV8	1400293	QC	89	1411041	-			
1400293-CCB8	1400293	QC	90		-			
1413026-01RE1	B140542	As-FW-Oven-ICPMS-TR	91			EPR-PA1401	1/1/1980	Added 4/8/2014 by A_R
1413026-01RE1	B140542	Zn-FW-Oven-ICPMS-TR	91			EPR-PA1401	1/1/1980	Added 4/8/2014 by A_R
1413026-01RE1	B140542	Cd-FW-Oven-ICPMS-Diss	91			EPR-PA1401	1/1/1980	Added 4/8/2014 by A_R
1413026-01RE1	B140542	Se-FW-Oven-ICPMS-TR	91			EPR-PA1401	1/1/1980	Added 4/8/2014 by A_R
1413026-01RE1	B140542	Ca-FW-Oven-ICPMS-Diss	91			EPR-PA1401	1/1/1980	Added 4/8/2014 by A_R
1413026-01RE1	B140542	Mg-FW-Oven-ICPMS-Diss	91			EPR-PA1401	1/1/1980	Added 4/8/2014 by A_R
1413026-01RE1	B140542	K-FW-Oven-ICPMS-Diss	91			EPR-PA1401	1/1/1980	Added 4/8/2014 by A_R
1413026-01RE1	B140542	Cu-FW-Oven-ICPMS-TR	91			EPR-PA1401	1/1/1980	Added 4/8/2014 by A_R
1413026-01RE1	B140542	Cd-FW-Oven-ICPMS-TR	91			EPR-PA1401	4/3/2014	From B140542 by A_R on 04/08/14
1413026-01RE1	B140542	Ni-FW-Oven-ICPMS-TR	91			EPR-PA1401	1/1/1980	Added 4/8/2014 by A_R
1413026-01RE1	B140542	Na-FW-Oven-ICPMS-Diss	91			EPR-PA1401	1/1/1980	Added 4/8/2014 by A_R
1413026-01RE1	B140542	Mo-FW-Oven-ICPMS-Diss	91			EPR-PA1401	1/1/1980	Added 4/8/2014 by A_R
1413026-01RE1	B140542	Mn-FW-Oven-ICPMS-Diss	91			EPR-PA1401	1/1/1980	Added 4/8/2014 by A_R

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1413026-01RE1	B140542	Tl-FW-Oven-ICPMS-Diss	91			EPR-PA1401	1/1/1980	Added 4/8/2014 by A_R
1413026-01RE1	B140542	Tl-FW-Oven-ICPMS-TR	91			EPR-PA1401	4/3/2014	From B140542 by A_R on 04/08/14
1413026-01RE1	B140542	Pb-FW-Oven-ICPMS-TR	91			EPR-PA1401	4/3/2014	From B140542 by A_R on 04/08/14
1413026-01RE1	B140542	K-FW-Oven-ICPMS-TR	91			EPR-PA1401	4/3/2014	From B140542 by A_R on 04/08/14
1413026-01RE1	B140542	Na-FW-Oven-ICPMS-TR	91			EPR-PA1401	4/3/2014	From B140542 by A_R on 04/08/14
1413026-01RE1	B140542	Ag-FW-Oven-ICPMS-TR	91			EPR-PA1401	1/1/1980	Added 4/8/2014 by A_R
1413026-01RE1	B140542	Ca-FW-Oven-ICPMS-TR	91			EPR-PA1401	4/3/2014	From B140542 by A_R on 04/08/14
1413026-01RE1	B140542	Al-FW-Oven-ICPMS-TR	91			EPR-PA1401	4/3/2014	From B140542 by A_R on 04/08/14
1413026-01RE1	B140542	Al-FW-Oven-ICPMS-Diss	91			EPR-PA1401	1/1/1980	Added 4/8/2014 by A_R
1413026-01RE1	B140542	Mn-FW-Oven-ICPMS-TR	91			EPR-PA1401	4/3/2014	From B140542 by A_R on 04/08/14
1413026-01RE1	B140542	Mo-FW-Oven-ICPMS-TR	91			EPR-PA1401	4/3/2014	From B140542 by A_R on 04/08/14
1413026-01RE1	B140542	Mg-FW-Oven-ICPMS-TR	91			EPR-PA1401	4/3/2014	From B140542 by A_R on 04/08/14
1413026-01RE1	B140542	Pb-FW-Oven-ICPMS-Diss	91			EPR-PA1401	1/1/1980	Added 4/8/2014 by A_R
B140542-DUP2	B140542	QC	92		1413026-01RE1			
B140542-MS2	B140542	QC	93		1413026-01RE1			
B140542-MSD2	B140542	QC	94		1413026-01RE1			
1413026-05RE1	B140542	Mn-FW-Oven-ICPMS-Diss	95			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-05RE1	B140542	Mo-FW-Oven-ICPMS-Diss	95			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-05RE1	B140542	Mg-FW-Oven-ICPMS-Diss	95			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-05RE1	B140542	Al-FW-Oven-ICPMS-Diss	95			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-05RE1	B140542	Ca-FW-Oven-ICPMS-Diss	95			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-05RE1	B140542	Cd-FW-Oven-ICPMS-Diss	95			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-05RE1	B140542	K-FW-Oven-ICPMS-Diss	95			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-05RE1	B140542	Pb-FW-Oven-ICPMS-Diss	95			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-05RE1	B140542	Tl-FW-Oven-ICPMS-Diss	95			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-05RE1	B140542	Na-FW-Oven-ICPMS-Diss	95			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1413026-06RE1	B140542	Mg-FW-Oven-ICPMS-TR	96			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-06RE1	B140542	Mn-FW-Oven-ICPMS-TR	96			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-06RE1	B140542	Al-FW-Oven-ICPMS-TR	96			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-06RE1	B140542	Mo-FW-Oven-ICPMS-TR	96			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-06RE1	B140542	Na-FW-Oven-ICPMS-TR	96			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-06RE1	B140542	Pb-FW-Oven-ICPMS-TR	96			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-06RE1	B140542	Tl-FW-Oven-ICPMS-TR	96			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-06RE1	B140542	K-FW-Oven-ICPMS-TR	96			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-06RE1	B140542	Cd-FW-Oven-ICPMS-TR	96			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-06RE1	B140542	Ca-FW-Oven-ICPMS-TR	96			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1400293-CCV9	1400293	QC	97	1411041	-			
1400293-CCB9	1400293	QC	98		-			
1413026-10RE1	B140542	Tl-FW-Oven-ICPMS-Diss	99			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-10RE1	B140542	Mg-FW-Oven-ICPMS-Diss	99			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-10RE1	B140542	Mn-FW-Oven-ICPMS-Diss	99			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-10RE1	B140542	Mo-FW-Oven-ICPMS-Diss	99			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-10RE1	B140542	Al-FW-Oven-ICPMS-Diss	99			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-10RE1	B140542	Cd-FW-Oven-ICPMS-Diss	99			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-10RE1	B140542	Na-FW-Oven-ICPMS-Diss	99			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-10RE1	B140542	Pb-FW-Oven-ICPMS-Diss	99			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-10RE1	B140542	K-FW-Oven-ICPMS-Diss	99			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-10RE1	B140542	Ca-FW-Oven-ICPMS-Diss	99			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-11RE1	B140542	K-FW-Oven-ICPMS-TR	100			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-11RE1	B140542	Al-FW-Oven-ICPMS-TR	100			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-11RE1	B140542	Cd-FW-Oven-ICPMS-TR	100			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-11RE1	B140542	Mg-FW-Oven-ICPMS-TR	100			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1413026-11RE1	B140542	Tl-FW-Oven-ICPMS-TR	100			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-11RE1	B140542	Mn-FW-Oven-ICPMS-TR	100			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-11RE1	B140542	Na-FW-Oven-ICPMS-TR	100			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-11RE1	B140542	Ca-FW-Oven-ICPMS-TR	100			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-11RE1	B140542	Mo-FW-Oven-ICPMS-TR	100			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-11RE1	B140542	Pb-FW-Oven-ICPMS-TR	100			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-16RE1	B140542	Al-FW-Oven-ICPMS-Diss	101			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-16RE1	B140542	Ca-FW-Oven-ICPMS-Diss	101			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-16RE1	B140542	Cd-FW-Oven-ICPMS-Diss	101			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-16RE1	B140542	Pb-FW-Oven-ICPMS-Diss	101			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-16RE1	B140542	Na-FW-Oven-ICPMS-Diss	101			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-16RE1	B140542	Mg-FW-Oven-ICPMS-Diss	101			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-16RE1	B140542	Mo-FW-Oven-ICPMS-Diss	101			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-16RE1	B140542	Tl-FW-Oven-ICPMS-Diss	101			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-16RE1	B140542	Mn-FW-Oven-ICPMS-Diss	101			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-16RE1	B140542	K-FW-Oven-ICPMS-Diss	101			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-23RE1	B140542	Ca-FW-Oven-ICPMS-Diss	102			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-23RE1	B140542	K-FW-Oven-ICPMS-Diss	102			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-23RE1	B140542	Cd-FW-Oven-ICPMS-Diss	102			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-23RE1	B140542	Pb-FW-Oven-ICPMS-Diss	102			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-23RE1	B140542	Mo-FW-Oven-ICPMS-Diss	102			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-23RE1	B140542	Mn-FW-Oven-ICPMS-Diss	102			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-23RE1	B140542	Al-FW-Oven-ICPMS-Diss	102			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-23RE1	B140542	Tl-FW-Oven-ICPMS-Diss	102			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-23RE1	B140542	Mg-FW-Oven-ICPMS-Diss	102			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-23RE1	B140542	Na-FW-Oven-ICPMS-Diss	102			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1413026-27RE1	B140542	Ca-FW-Oven-ICPMS-Diss	103			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-27RE1	B140542	Mo-FW-Oven-ICPMS-Diss	103			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-27RE1	B140542	K-FW-Oven-ICPMS-Diss	103			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-27RE1	B140542	Mg-FW-Oven-ICPMS-Diss	103			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-27RE1	B140542	Na-FW-Oven-ICPMS-Diss	103			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-27RE1	B140542	Pb-FW-Oven-ICPMS-Diss	103			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-27RE1	B140542	Tl-FW-Oven-ICPMS-Diss	103			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-27RE1	B140542	Mn-FW-Oven-ICPMS-Diss	103			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-27RE1	B140542	Cd-FW-Oven-ICPMS-Diss	103			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-27RE1	B140542	Al-FW-Oven-ICPMS-Diss	103			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-35RE1	B140542	Tl-FW-Oven-ICPMS-Diss	104			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-35RE1	B140542	Pb-FW-Oven-ICPMS-Diss	104			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-35RE1	B140542	K-FW-Oven-ICPMS-Diss	104			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-35RE1	B140542	Na-FW-Oven-ICPMS-Diss	104			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-35RE1	B140542	Mg-FW-Oven-ICPMS-Diss	104			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-35RE1	B140542	Mo-FW-Oven-ICPMS-Diss	104			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-35RE1	B140542	Cd-FW-Oven-ICPMS-Diss	104			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-35RE1	B140542	Mn-FW-Oven-ICPMS-Diss	104			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-35RE1	B140542	Ca-FW-Oven-ICPMS-Diss	104			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1413026-35RE1	B140542	Al-FW-Oven-ICPMS-Diss	104			EPR-PA1401	4/3/2014	Added 4/8/2014 by A_R
1400293-CCVA	1400293	QC	105	1411041	-			
1400293-CCBA	1400293	QC	106		-			
B140595-BLK1	B140595	QC	107		-			
B140595-BLK2	B140595	QC	108		-			
B140595-BLK3	B140595	QC	109		-			
B140595-BLK4	B140595	QC	110		-			

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140595-BS1	B140595	QC	111		-			
B140595-SRM1	B140595	QC	112		-			
B140595-SRM2	B140595	QC	113		-			
1400293-CCVB	1400293	QC	114	1411041	-			
1400293-CCBB	1400293	QC	115		-			
1411043-01RE1	B140595	200.8-Co-B-HNO3-ICPMS	116			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-01RE1	B140595	200.8-Be-B-HNO3-ICPMS	116			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-01RE1	B140595	200.8-Ag-B-HNO3-ICPMS	116			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
B140595-DUP1	B140595	QC	117		1411043-01RE1			
B140595-MS1	B140595	QC	118		1411043-01RE1			
B140595-MSD1	B140595	QC	119		1411043-01RE1			
1411043-02RE1	B140595	200.8-Co-B-HNO3-ICPMS	120			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-02RE1	B140595	200.8-Ag-B-HNO3-ICPMS	120			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-02RE1	B140595	200.8-Be-B-HNO3-ICPMS	120			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-03RE1	B140595	200.8-Be-B-HNO3-ICPMS	121			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-03RE1	B140595	200.8-Ag-B-HNO3-ICPMS	121			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-03RE1	B140595	200.8-Co-B-HNO3-ICPMS	121			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-04RE1	B140595	200.8-Co-B-HNO3-ICPMS	122			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-04RE1	B140595	200.8-Be-B-HNO3-ICPMS	122			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-04RE1	B140595	200.8-Ag-B-HNO3-ICPMS	122			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-05RE1	B140595	200.8-Be-B-HNO3-ICPMS	123			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-05RE1	B140595	200.8-Co-B-HNO3-ICPMS	123			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-05RE1	B140595	200.8-Ag-B-HNO3-ICPMS	123			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-06RE1	B140595	200.8-Be-B-HNO3-ICPMS	124			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-06RE1	B140595	200.8-Ag-B-HNO3-ICPMS	124			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-06RE1	B140595	200.8-Co-B-HNO3-ICPMS	124			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400293-CCVC	1400293	QC	125	1411041	-			
1400293-CCBC	1400293	QC	126		-			
1411043-07RE1	B140595	200.8-Ag-B-HNO3-ICPMS	127			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-07RE1	B140595	200.8-Co-B-HNO3-ICPMS	127			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-07RE1	B140595	200.8-Be-B-HNO3-ICPMS	127			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-08RE1	B140595	200.8-Be-B-HNO3-ICPMS	128			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-08RE1	B140595	200.8-Co-B-HNO3-ICPMS	128			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-08RE1	B140595	200.8-Ag-B-HNO3-ICPMS	128			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-09RE1	B140595	200.8-Co-B-HNO3-ICPMS	129			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-09RE1	B140595	200.8-Be-B-HNO3-ICPMS	129			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-09RE1	B140595	200.8-Ag-B-HNO3-ICPMS	129			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-10RE1	B140595	200.8-Co-B-HNO3-ICPMS	130			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-10RE1	B140595	200.8-Ag-B-HNO3-ICPMS	130			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-10RE1	B140595	200.8-Be-B-HNO3-ICPMS	130			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-11RE1	B140595	200.8-Ag-B-HNO3-ICPMS	131			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-11RE1	B140595	200.8-Co-B-HNO3-ICPMS	131			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-11RE1	B140595	200.8-Be-B-HNO3-ICPMS	131			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
B140595-DUP2	B140595	QC	132		1411043-11RE1			
B140595-MS2	B140595	QC	133		1411043-11RE1			
B140595-MSD2	B140595	QC	134		1411043-11RE1			
1400293-CCVD	1400293	QC	135	1411041	-			
1400293-CCBD	1400293	QC	136		-			
1411043-12RE1	B140595	200.8-Ag-B-HNO3-ICPMS	137			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-12RE1	B140595	200.8-Be-B-HNO3-ICPMS	137			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-12RE1	B140595	200.8-Co-B-HNO3-ICPMS	137			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-13RE1	B140595	200.8-Ag-B-HNO3-ICPMS	138			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14

ANALYSIS SEQUENCE

1400293

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-13RE1	B140595	200.8-Be-B-HNO3-ICPMS	138			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-13RE1	B140595	200.8-Co-B-HNO3-ICPMS	138			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-14RE1	B140595	200.8-Ag-B-HNO3-ICPMS	139			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-14RE1	B140595	200.8-Co-B-HNO3-ICPMS	139			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-14RE1	B140595	200.8-Be-B-HNO3-ICPMS	139			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-15RE1	B140595	200.8-Ag-B-HNO3-ICPMS	140			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-15RE1	B140595	200.8-Be-B-HNO3-ICPMS	140			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-15RE1	B140595	200.8-Co-B-HNO3-ICPMS	140			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-16RE1	B140595	200.8-Co-B-HNO3-ICPMS	141			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-16RE1	B140595	200.8-Be-B-HNO3-ICPMS	141			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-16RE1	B140595	200.8-Ag-B-HNO3-ICPMS	141			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-17RE1	B140595	200.8-Be-B-HNO3-ICPMS	142			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-17RE1	B140595	200.8-Co-B-HNO3-ICPMS	142			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-17RE1	B140595	200.8-Ag-B-HNO3-ICPMS	142			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-18RE1	B140595	200.8-Ag-B-HNO3-ICPMS	143			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-18RE1	B140595	200.8-Co-B-HNO3-ICPMS	143			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-18RE1	B140595	200.8-Be-B-HNO3-ICPMS	143			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-19RE1	B140595	200.8-Be-B-HNO3-ICPMS	144			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-19RE1	B140595	200.8-Ag-B-HNO3-ICPMS	144			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1411043-19RE1	B140595	200.8-Co-B-HNO3-ICPMS	144			ARD-MV1302	4/7/2014	From B140477 by A_R on 04/04/14
1400293-CCVE	1400293	QC	145	1411041	-			
1400293-CCBE	1400293	QC	146		-			

ICP-MS Analysis Benchsheet Batch No: Blanks, B140481, 0542, 0595, 0516, 0554, 0565

BR-0060 standard mode

(BRL procedure for the analysis of samples by EPA Methods 1638, 200.8, 6020A, and 1640)

Analyst: AR Date: 4/7/2014

Instrument ID: ICP-MS-3 cHNO3 ID: 1410080 cHCl ID: NA

Calibration recorded in LIMS Int Std: 1412031 SEQ: 1400293

A/S #	Batch	Sample ID	Dilution		Comments
1		warm up			
1		warm up			
1		warm up			
1		SEQ-ICB1			
2020		SEQ-CAL1			1411038
2010		SEQ-CAL2			1411039
2002		SEQ-CAL3			1411040
2001		SEQ-CAL4			1411041
3020		SEQ-CAL5			1411042
3010		SEQ-CAL6			1411043
3002		SEQ-CAL7			1411044
3001		SEQ-CAL8			1411045
1		SEQ-ICB2			
4		SEQ-ICV1			1341021
1		SEQ-ICB3			
101		SEQ-IBL1			
102		SEQ-IBL2			
103		SEQ-IBL3			
104		SEQ-IBL4			
105		SEQ-SCV1	5x		NIST 1640a 1414027; 1414026
106		SEQ-SCV2	5x		Hardness 1333002; 1333005
107		misinject			
108		misinject			
109		misinject			
10		misinject			
110		misinject			
111		misinject			
112		misinject			
113		misinject			
1		5% HNO3 check			
104		IBL4check			
107		SEQ-SCV3			Fe-Ca check 1352078; 1352079
108		SEQ-IFA1	200x		1343002
109		SEQ-IFB1	200x		1343001
10		rinse			
110		14-0038			5% HNO3
111		Ninja #3-DIW			
112		Ninja #3-01			
113		Niki Homog Blank-DIV			

114		Niki Homog Blank-01			
115		14-0052-DIW			
116		14-0052-01			
117		14-0053-DIW			
118		14-0053-01			
119		14-0054-DIW			
120		14-0054-01			
121		14-0054-02			
122		14-0055-DIW			
123		14-0055-01			
124		14-0055-02			
125		V-HNO3-1	10x	M	
126		V-HNO3-2	10x	M	
127		V-HNO3-3	10x	M	
128		V-HNO3-9	10x	M	
129		V-HNO3-5			
130		V-HNO3-6			
131		V-HCl-1	5x	M	
10		rinse			
413		B140477-SRM1test	10x	A	autodilution test
10		rinse			
2		SEQ-CCV1			1411041
1		SEQ-CCB1			
134	B140481	B140481-BLK1	5x	M	
135	B140481	B140481-BLK2	5x	M	
136	B140481	B140481-BLK3	5x	M	
137	B140481	B140481-BLK4	5x	M	
138	B140481	B140481-BS1	5x	M	
139	B140481	B140481-SRM1	5x	M	
140	B140481	1331056-15	5x	M	
141	B140481	B140481-MS4	5x	M	
2		SEQ-CCV2			1411041
1		SEQ-CCB2			
142	B140481	1412027-01	5x	M	
143	B140481	B140481-DUP1	5x	M	
144	B140481	B140481-MS1	5x	M	
145	B140481	1412027-02	5x	M	
146	B140481	1412027-03	5x	M	
147	B140481	1412027-04	5x	M	
148	B140481	1412027-05	5x	M	
149	B140481	1412027-06	5x	M	
2		SEQ-CCV3			1411041
1		SEQ-CCB3			
150	B140481	1412032-01	5x	M	
151	B140481	1412032-02	5x	M	
152	B140481	1412024-01	5x	M	
153	B140481	B140481-DUP2	5x	M	
154	B140481	B140481-MS2	5x	M	
155	B140481	1412024-02	5x	M	
156	B140481	1412024-03	5x	M	
157	B140481	B140481-DUP3	5x	M	
158	B140481	B140481-MS3	5x	M	

2		SEQ-CCV4			1411041
1		SEQ-CCB4			
159	B140481	1412024-05	5x	M	
160	B140481	1412024-07	5x	M	
201	B140481	1412024-09	5x	M	
202	B140481	1412024-11	5x	M	
203	B140481	1414010-01	5x	M	
204	B140481	1403036-01RE2	5x	M	
2		SEQ-CCV5			1411041
1		SEQ-CCB5			
205	B140542	B140542-BLK1			
206	B140542	B140542-BLK2			
207	B140542	B140542-BLK3			
208	B140542	B140542-BLK4			
209	B140542	B140542-BS1			
210	B140542	1413026-17			Field Blank
211	B140542	1412024-13			Equip. Blank
212	B140542	1412024-14			Equip. Blank
2		SEQ-CCV6			1411041
1		SEQ-CCB6			
213	B140542	1413026-01	5000x	M	Serial Dilution: 50x -->100x
214	B140542	B140542-DUP1	5000x	M	1413026-01
215	B140542	B140542-MS1	5000x	M	100µL 1414063 to 5mL
216	B140542	B140542-MSD1	5000x	M	100µL 1414063 to 5mL
217	B140542	1413026-05	5000x	M	Serial Dilution: 50x -->100x
218	B140542	1413026-06	5000x	M	Serial Dilution: 50x -->100x
2		SEQ-CCV7			1411041
1		SEQ-CCB7			
219	B140542	1413026-10	5000x	M	Serial Dilution: 50x -->100x
220	B140542	1413026-11	5000x	M	Serial Dilution: 50x -->100x
221	B140542	1413026-16	5000x	M	Serial Dilution: 50x -->100x
222	B140542	1413026-23	5000x	M	Serial Dilution: 50x -->100x
223	B140542	1413026-27	5000x	M	Serial Dilution: 50x -->100x
224	B140542	1413026-35	5000x	M	Serial Dilution: 50x -->100x
2		SEQ-CCV8			1411041
1		SEQ-CCB8			
225	B140542	1413026-01RE1	50x	M	
226	B140542	B140542-DUP2	50x	M	1413026-01RE1
227	B140542	B140542-MS2	50x	M	100µL 1414063 to 5mL
228	B140542	B140542-MSD2	50x	M	100µL 1414063 to 5mL
229	B140542	1413026-05RE1	50x	M	
230	B140542	1413026-06RE1	50x	M	
5		SEQ-CCV9			1411041
10		SEQ-CCB9			
231	B140542	1413026-10RE1	50x	M	
232	B140542	1413026-11RE1	50x	M	
233	B140542	1413026-16RE1	50x	M	
234	B140542	1413026-23RE1	50x	M	
235	B140542	1413026-27RE1	50x	M	
236	B140542	1413026-35RE1	50x	M	
5		SEQ-CCVA			1411041
10		SEQ-CCBA			

237	B140595	B140595-BLK1	10x	A	
238	B140595	B140595-BLK2	10x	A	
239	B140595	B140595-BLK3	10x	A	
240	B140595	B140595-BLK4	10x	A	
241	B140595	B140595-BS1	10x	A	
242	B140595	B140595-SRM1	10x	A	
243	B140595	B140595-SRM2	10x	A	
5		SEQ-CCVB			1411041
10		SEQ-CCBB			
244	B140595	1411043-01RE1	10x	A	
245	B140595	B140595-DUP1	10x	A	
246	B140595	B140595-MS1	10x	A	
247	B140595	B140595-MSD1	10x	A	
248	B140595	1411043-02RE1	10x	A	
249	B140595	1411043-03RE1	10x	A	
250	B140595	1411043-04RE1	10x	A	
251	B140595	1411043-05RE1	10x	A	
252	B140595	1411043-06RE1	10x	A	
5		SEQ-CCVC			1411041
10		SEQ-CCBC			
253	B140595	1411043-07RE1	10x	A	
254	B140595	1411043-08RE1	10x	A	
255	B140595	1411043-09RE1	10x	A	
256	B140595	1411043-10RE1	10x	A	
257	B140595	1411043-11RE1	10x	A	
258	B140595	B140595-DUP2	10x	A	
259	B140595	B140595-MS2	10x	A	
260	B140595	B140595-MSD2	10x	A	
5		SEQ-CCVD			1411041
10		SEQ-CCBD			
301	B140595	1411043-12RE1	10x	A	
302	B140595	1411043-13RE1	10x	A	
303	B140595	1411043-14RE1	10x	A	
304	B140595	1411043-15RE1	10x	A	
305	B140595	1411043-16RE1	10x	A	
306	B140595	1411043-17RE1	10x	A	
307	B140595	1411043-18RE1	10x	A	
308	B140595	1411043-19RE1	10x	A	
5		SEQ-CCVE			1411041
10		SEQ-CCBE			
309	B140516	B140516-BLK1	10x	A	
310	B140516	B140516-BLK2	10x	A	
311	B140516	B140516-BLK3	10x	A	
312	B140516	B140516-BLK4	10x	A	
313	B140516	B140516-SRM1	10x	A	
314	B140516	B140516-SRM2	10x	A	
5		SEQ-CCVF			1411041
10		SEQ-CCBF			
315	B140516	B140516-BS1	10x	A	MDL
316	B140516	B140516-BS2	10x	A	MDL
317	B140516	B140516-BS3	10x	A	MDL
318	B140516	B140516-BS4	10x	A	MDL

319	B140516	B140516-BS5	10x	A	MDL
320	B140516	B140516-BS6	10x	A	MDL
321	B140516	B140516-BS7	10x	A	MDL
322	B140516	B140516-BS8	10x	A	MDL
5		SEQ-CCVG			1411041
10		SEQ-CCBG			
323	B140516	B140516-BSD	10x	A	LOD
324	B140516	B140516-BSE	10x	A	LOD
325	B140516	B140516-BSF	10x	A	LOD
326	B140516	B140516-BS9	10x	A	LOQ
327	B140516	B140516-BSA	10x	A	LOQ
328	B140516	B140516-BSB	10x	A	LOQ
329	B140516	B140516-BSC	10x	A	LOQ
6		SEQ-CCVH			1411041
9		SEQ-CCBH			
330	B140554	B140554-BLK1	50x	A	
331	B140554	B140554-BLK2	50x	A	
332	B140554	B140554-BLK3	50x	A	
333	B140554	B140554-BLK4	50x	A	
334	B140554	B140554-SRM1	50x	A	
335	B140554	B140554-SRM2	50x	A	
6		SEQ-CCVI			1411041
9		SEQ-CCBI			
336	B140554	B140554-BS1	50x	A	MDL
337	B140554	B140554-BS2	50x	A	MDL
338	B140554	B140554-BS3	50x	A	MDL
339	B140554	B140554-BS4	50x	A	MDL
340	B140554	B140554-BS5	50x	A	MDL
341	B140554	B140554-BS6	50x	A	MDL
342	B140554	B140554-BS7	50x	A	MDL
343	B140554	B140554-BS8	50x	A	MDL
6		SEQ-CCVJ			1411042
9		SEQ-CCBJ			
344	B140554	B140554-BSD	50x	A	LOD
345	B140554	B140554-BSE	50x	A	LOD
346	B140554	B140554-BSF	50x	A	LOD
347	B140554	B140554-BS9	50x	A	LOQ
348	B140554	B140554-BSA	50x	A	LOQ
349	B140554	B140554-BSB	50x	A	LOQ
350	B140554	B140554-BSC	50x	A	LOQ
6		SEQ-CCVK			1411042
9		SEQ-CCBK			
351	B140565	B140565-BLK1	5x	M	
352	B140565	B140565-BLK2	5x	M	
353	B140565	B140565-BLK3	5x	M	
354	B140565	B140565-BLK4	5x	M	
355	B140565	B140565-SRM1	5x	M	
356	B140565	B140565-BS1	5x	M	
6		SEQ-CCVL			1411042
9		SEQ-CCBL			
357	B140565	B140565-BS2	5x	M	MDL
358	B140565	B140565-BS3	5x	M	MDL

359	B140565	B140565-BS4	5x	M	MDL
360	B140565	B140565-BS5	5x	M	MDL
401	B140565	B140565-BS6	5x	M	MDL
402	B140565	B140565-BS7	5x	M	MDL
403	B140565	B140565-BS8	5x	M	MDL
404	B140565	B140565-BS9	5x	M	MDL
6		SEQ-CCVM			1411042
9		SEQ-CCBM			
405	B140565	B140565-BSE	5x	M	LOD
406	B140565	B140565-BSF	5x	M	LOD
407	B140565	B140565-BSA	5x	M	LOQ
408	B140565	B140565-BSB	5x	M	LOQ
409	B140565	B140565-BSC	5x	M	LOQ
410	B140565	B140565-BSD	5x	M	LOQ
6		SEQ-CCVN			1411042
9		SEQ-CCBN			
132		Sat Waste #3	1000x	M	Serial Dilution: 10x -->100x
133		Sat Waste #4	1000x	M	Serial Dilution: 10x -->100x
10		rinse			
10		rinse			
10		rinse			
1		rinse			
1		rinse			
1		rinse			

Trace Metals Method BR-0070 Rev 003 (ICP-MS)

Biota Preparation by HotBlock Digestion

Digestion by: HNO_3 / H_2O_2

Batch #: B140477, 0478, 0479, 0595 Prepared By: CLE

Page 1 of 2

Preparation Date and Time*: 3/24/14 1630

Matrix: biota Balance ID: BL-03 Date and Time of Finished Preparation: 1040 3/25/14

* Time is when the first reagents are added.

Sample ID	Sample Mass (g)	Notes
BLK1	---	
BLK2	---	
BLK3	---	
BLK4	---	
BS1	---	
SRM1	0.252	
SRM2	0.252	
1411043-01	0.501	
DUP1	0.496	Source: 1411043-01
MS1	0.505	↓
MSD1	0.504	↓
1411043-02	0.517	
-03	0.554	
-04	0.571	
-05	0.514	
-06	0.529	
-07	0.556	
-08	0.531	
-09	0.542	
-10	0.521	
-11	0.530	
DUP2	0.515	Source: 1411043-11
MS2	0.497	↓
MSD2	0.522	↓

Sample ID	Sample Mass (g)	Notes
1411043-12	0.511	
-13	0.511	
-14	0.515	
-15	0.526	
-16	0.564	
-17	0.592	
-18	0.518	
-19	0.510	
1411044-01	0.501	
B140479 DUP3	0.510	Source 1411044-02
MS3	0.530	↓
MSD3	0.529	↓
1411044-02	0.542	
-03	0.540	
-04	0.539	
-05	0.545	
-06	0.505	
-07	0.592	
-08	0.524	
-09	0.548	
-10	0.510	
-11	0.521	
B140479 DUP4	0.532	Source: 1411044-12
MS4	0.494	↓

Note: QC sets follow source sample on benchsheet unless otherwise noted.
If no batch is specified, QC is shared between all batches being prepped.

Sample ID	Spike ID	Spike Added (mL)	Analyte/Concentration	Spike Witness Initials/Date
BS1, MS/D 1-4	1413063	0.1	B140477-9 spike mix	[illegible]
BS1, MS/D 1-2	B47040	0.05	Ag 10 ppm	3/24/14
↓	1410043	0.1	Sb 1 ppm	
↓	1310029	0.025	Al 10,000 ppm	
↓	1345003	0.050	Fe 10,000 ppm	

fake spike ID: 1413004

Reagents Added (ID/Amount Added)
0.1mL H2O2 (1350057)
10mL HNO3 (1406035)

Target Hotblock Temperature = 100 °C

HotBlock Temperature*, Time On / Time Off, Date
N/C: 103°C 1705 / M: 103°C C: 101.5°C 1705 3/24/14
timer set for 3.5 hrs

Hotblock Therm. ID: HB-02/HB-01 Therm. Hotblock ID: TM-05/TM-01

* Both measured and corrected temperatures must be recorded.

Environ. Express tube lot #: 1309271

Final Dilution Volume 40 mL

SRM-Matrix-LIMS ID #
SRM1-DORM-4-1329003
SRM2-TORT-3-1327017

Comments:
*: changes by CLE 3/24/14 ●: digested on HB-01 (all other samples digested on HB-02) Δ: Final vol = 45mL

Trace Metals Method BR-0070 Rev 003 (ICP-MS)

Biota Preparation by HotBlock Digestion

Digestion by: HNO_3 / H_2O_2

Batch #: B140477, 0478, 0479

Sample ID	Sample Mass (g)	Notes
B140479 MSD4	0.522	source: 1411044-12
1411044-12	0.545	
-13	0.537	
-14	0.523	
-15	0.537	
-16	0.530	
-17	0.506	
-18	0.589	

CJE 3/24/14

Sample ID	Sample Mass (g)	Notes

CJE 3/24/14

B140477, 0478, 0479
biota

Samples spiked: BS1, MS /D1-4

Spike mix ID: 1413003

Element	Target Conc. (mg/kg)	spike conc w/ **0.1mL spike vol** and **0.5g*** **sample**	mL from stock into **10mL tube**	ppm	LIMS ID
As DRC	10.000	50.000	0.500	1000	1310030
Ba	1.600	8.000	0.800	**100**	1411082
Be	0.900	4.500	0.450	**100**	1411084
Cd	0.200	1.000	0.100	**100**	1411087
Co	1.600	8.000	0.800	**100**	1351036
Cr DRC	3.000	15.000	0.150	1000	1351015
Cu	10.000	50.000	0.500	1000	1351017
Mn	13.000	65.000	0.650	1000	1351019
Pb	1.500	7.500	0.075	1000	1351022
Se DRC	1.500	7.500	0.075	1000	1310040
Tl	1.000	5.000	0.050	1000	1310041
V DRC	4.000	20.000	0.200	**1000**	1310043
Zn	10.000	50.000	0.050	**10000**	1337001

Samples spiked: BS1, MS /D1-2 Add 5.6mL 2% HNO3

Fake spike ID: 1413004

Element	Target Conc. (mg/kg)	vol to spike **directly** to **0.5g*** **sample**	ppm	LIMS ID
Ag	1.000	0.050	**10**	1347040
Sb	0.200	0.100	**1**	1410043
Al	500.000	0.025	**10000**	1310029
Fe DRC	1000.000	0.050	**10000**	1345003

*listed spike volume(s) used regardless of sample mass.

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\NexIONData\Wizard\SmartTune\BRprepFAST2-SmartTune Monthly.swz

Start Time: 3/17/2014 11:38:43 AM
End Time: 3/17/2014 11:41:55 AM

Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (9.0122/9.075), Target/Obtained resolution (0.7/0.704)
Target/Obtained mass (23.985/23.925), Target/Obtained resolution (0.7/0.700)
Target/Obtained mass (75.93/75.925), Target/Obtained resolution (0.7/0.694)
Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.704)
Target/Obtained mass (139.905/139.975), Target/Obtained resolution (0.7/0.703)
Target/Obtained mass (207.977/207.925), Target/Obtained resolution (0.7/0.692)

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SmartTune Wizard - Details

```
Optimization Details

SmartTune file: C:\NexIONData\Wizard\SmartTune\BRprepFAST2-SmartTune Monthly.swz

Optimization Status

Start Time: 3/17/2014 11:38:43 AM

Mass Calibration and Resolution
        Optimization Settings:
                Method: C:\NexIONData\Method\BRL Tuning.mth.
                MassCal File: Default.tun
                Iterations: 6
                Target accuracy (+/- amu): 0.1 for Mass Cal. and 0.05 for Resolution
                Peak height (%) for Res. Opt.: 10

        Optimization Results:
        Initial Try
                Target/Obtained mass (9.0122/9.075), Target/Obtained resolution (0.7/0.704)
                Target/Obtained mass (23.985/23.925), Target/Obtained resolution (0.7/0.700)
                Target/Obtained mass (75.93/75.925), Target/Obtained resolution (0.7/0.694)
                Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.704)
                Target/Obtained mass (139.905/139.975), Target/Obtained resolution (0.7/0.703)
                Target/Obtained mass (207.977/207.925), Target/Obtained resolution (0.7/0.692)
[Passed]  Optimum value(s): N/A

End Time: 3/17/2014 11:41:55 AM
```


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Sample Information

Report Title: QUANTITATIVE ANALYSIS REPORT
Batch ID:
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050
Tuning File: C:\NexIONData\MassCal\Default.tun
Optimization File: C:\NexIONData\Conditions\Default.dac
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Calibration Type: External Calibration

Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
Li	7	Weighted Linear	0.009	-0.000	0.999753	0.150000
Be	9	Weighted Linear	0.001	0.000	0.999502	0.150000
B	11	Weighted Linear	0.002	-0.000	0.999491	2.000000
Na	23	Weighted Linear	0.020	0.005	0.999646	15.000000
Mg	24	Weighted Linear	0.013	0.011	0.999607	15.000000
Al	27	Weighted Linear	0.020	0.002	0.999802	1.500000
K	39	Weighted Linear	0.022	0.022	0.999722	15.000000
Ca	44	Weighted Linear	0.001	0.001	0.999665	30.000000
Sc	45	Weighted Linear				
Ti	47	Weighted Linear	0.002	-0.000	0.999800	0.200000
Ti	48	Weighted Linear	0.016	-0.000	0.999852	0.200000
V	51	Weighted Linear	0.019	0.000	0.999724	0.150000
Cr	52	Weighted Linear	0.016	-0.000	0.998717	0.150000
Cr	53	Weighted Linear	0.002	0.000	0.999793	0.150000
Mn	55	Weighted Linear	0.020	0.000	0.999495	0.060000
Fe	54	Weighted Linear	0.001	0.002	0.997822	5.000000
Fe	57	Weighted Linear	0.000	0.000	0.997291	5.000000
Co	59	Weighted Linear	0.017	0.000	0.999676	0.100000
Ni	60	Weighted Linear	0.004	0.000	0.998899	0.200000
Ni	62	Weighted Linear	0.001	0.000	0.999438	0.200000
Cu	65	Weighted Linear	0.004	0.000	0.999443	0.120000
Cu	63	Weighted Linear	0.009	0.000	0.999427	0.120000
Zn	66	Weighted Linear	0.002	0.000	0.999737	0.200000
Zn	68	Weighted Linear	0.001	0.000	0.999716	0.200000
Ge	74	Weighted Linear				
As	75	Weighted Linear	0.002	0.000	0.999464	0.270000
Se	77	Weighted Linear	0.000	-0.000	0.999600	0.500000
Se	82	Weighted Linear	0.000	-0.000	0.999644	0.500000
Sr	88	Weighted Linear	0.023	-0.000	0.999784	0.050000
Mo	95	Weighted Linear	0.004	0.000	0.999412	0.030000
Mo	97	Weighted Linear	0.002	-0.000	0.999442	0.030000
Mo	98	Weighted Linear	0.006	0.000	0.999836	0.030000
Ag	107	Weighted Linear	0.012	0.000	0.998515	0.020000
Ag	109	Weighted Linear	0.015	0.000	0.998761	0.020000
Cd	111	Weighted Linear	0.004	0.000	0.999551	0.020000
Cd	114	Weighted Linear	0.009	-0.000	0.999792	0.020000
In	115	Weighted Linear				
Sn	120	Weighted Linear	0.016	0.000	0.999654	0.150000
Sb	121	Weighted Linear	0.011	0.000	0.999800	0.020000

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⎣	Ba	138	Weighted Linear	0.041	0.000	0.999898	0.050000
⎡>	Tm	169	Weighted Linear				
⎢	Tl	205	Weighted Linear	0.031	0.000	0.999605	0.010000
⎢	Pb	208	Weighted Linear	0.040	0.000	0.999198	0.025000
⎢	Bi	209	Weighted Linear	0.031	0.000	0.998532	0.050000
⎢	Th	232	Weighted Linear	0.038	-0.000	0.999499	0.020000
⎣	U	238	Weighted Linear	0.037	0.000	0.999483	0.010000
	C	13	Weighted Linear				

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB1
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 14:45:46
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7		37	7	19.7			ug/L
ê	Be	9		7	2	24.7			ug/L
ê	B	11		551	21	3.8			ug/L
ê	Na	23		7063	94	1.3			ug/L
ê	Mg	24		264	26	9.8			ug/L
ê	Al	27		1705	48	2.8			ug/L
ê	K	39		743956	3109	0.4			ug/L
ê	Ca	44		6038	97	1.6			ug/L
ê>	Sc	45		1282853	20185	1.6			ug/L
ê	Ti	47		53	8	14.3			ug/L
ê	Ti	48		-206	13	6.5			ug/L
ê	V	51		56	7	12.2			ug/L
ê	Cr	52		14940	266	1.8			ug/L
ê	Cr	53		56	1	1.3			ug/L
ê	Mn	55		1243	47	3.8			ug/L
ê	Fe	54		156113	1790	1.1			ug/L
ê	Fe	57		10282	287	2.8			ug/L
ê	Co	59		52	8	15.9			ug/L
ê	Ni	60		52	13	25.6			ug/L
ë	Ni	62		131	8	6.2			ug/L
é	Cu	65		14	6	39.8			ug/L
ê	Cu	63		30	7	23.2			ug/L
ê	Zn	66		41	8	18.5			ug/L
ê	Zn	68		535	8	1.6			ug/L
ê>	Ge	74		1136281	10388	0.9			ug/L
ë	As	75		-132	39	29.6			ug/L
é	Se	77		98	13	13.0			ug/L
ê	Se	82		10	12	125.2			ug/L
ê	Sr	88		124	7	5.3			ug/L
ê	Mo	95		14	4	24.5			ug/L
ê	Mo	97		12	2	13.1			ug/L
ê	Mo	98		19	6	32.0			ug/L
ê	Ag	107		5	2	40.0			ug/L
ê	Ag	109		6	2	36.7			ug/L
ê	Cd	111		3	1	34.6			ug/L
ê	Cd	114		35	7	19.3			ug/L

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ê>	In	115	1206580	11957	1.0	ug/L
ê	Sn	120	142	9	6.5	ug/L
ê	Sb	121	8	4	48.5	ug/L
ë	Ba	138	38	3	8.4	ug/L
é>	Tm	169	1101174	10973	1.0	ug/L
ê	Tl	205	4	2	43.3	ug/L
ê	Pb	208	25	4	16.0	ug/L
ê	Bi	209	8	2	21.7	ug/L
ê	Th	232	44	4	9.3	ug/L
ë	U	238	0	1	173.2	ug/L
	C	13	43238	186	0.4	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	
|	Tl	205	
|	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL1

Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 14:50:12
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2020

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CAL1.051
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	1779	81	4.6	0.001361	**0.1482**	ug/L
ê	Be	9	7	306	16	5.1	0.000233	**0.1487**	ug/L
ê	B	11	551	5551	61	1.1	0.003907	**1.9833**	ug/L
ê	Na	23	7063	399841	13691	3.4	0.306805	**14.8047**	ug/L
ê	Mg	24	264	268344	4664	1.7	0.209395	**14.8161**	ug/L
ê	Al	27	1705	41188	667	1.6	0.030843	**1.4908**	ug/L
ê	K	39	743956	1197521	30138	2.5	0.355434	**15.0492**	ug/L
ê	Ca	44	6038	30226	924	3.1	0.018902	**29.9431**	ug/L
ê>	Sc	45	1282853	1280222	4862	0.4	1280221.920694		ug/L
ê	Ti	47	53	452	20	4.3	0.000312	**0.2014**	ug/L
ê	Ti	48	-206	3906	107	2.7	0.003211	**0.1986**	ug/L
ê	V	51	56	3700	99	2.7	0.002847	**0.1495**	ug/L
ê	Cr	52	14940	17758	617	3.5	0.002225	**0.1436**	ug/L
ê	Cr	53	56	404	19	4.7	0.000272	**0.1495**	ug/L
ê	Mn	55	1243	2831	38	1.3	0.001242	**0.0589**	ug/L
ê	Fe	54	156113	156894	2132	1.4	0.000864	**-0.6378**	ug/L
ê	Fe	57	10282	12808	332	2.6	0.001989	**4.6683**	ug/L
ê	Co	59	52	2318	57	2.5	0.001770	**0.0989**	ug/L
ê	Ni	60	52	992	22	2.2	0.000734	**0.1951**	ug/L
ë	Ni	62	131	289	8	2.9	0.000123	**0.1976**	ug/L
é	Cu	65	14	614	12	2.0	0.000537	**0.1214**	ug/L
ê	Cu	63	30	1309	60	4.6	0.001143	**0.1203**	ug/L
ê	Zn	66	41	479	24	5.1	0.000393	**0.2021**	ug/L
ê	Zn	68	535	815	30	3.7	0.000258	**0.2004**	ug/L
ê>	Ge	74	1136281	1118226	16422	1.5	1118226.300728		ug/L
ë	As	75	-132	602	44	7.2	0.000655	**0.2789**	ug/L
é	Se	77	98	160	15	9.2	0.000050	**0.4901**	ug/L
ê	Se	82	10	118	6	4.9	0.000089	**0.5083**	ug/L
ê	Sr	88	124	1532	28	1.8	0.001154	**0.0502**	ug/L
ê	Mo	95	14	147	22	15.0	0.000109	**0.0305**	ug/L
ê	Mo	97	12	80	11	14.0	0.000056	**0.0297**	ug/L
ê	Mo	98	19	229	16	6.8	0.000172	**0.0301**	ug/L
ê	Ag	107	5	324	23	7.0	0.000261	**0.0199**	ug/L
ê	Ag	109	6	398	9	2.2	0.000321	**0.0201**	ug/L
ê	Cd	111	3	100	7	6.5	0.000079	**0.0202**	ug/L
ê	Cd	114	35	236	3	1.3	0.000165	**0.0201**	ug/L

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ê>	In	115	1206580	1220630	23782	1.9	1220629.857689		ug/L
ê	Sn	120	142	3462	86	2.5	0.002720	**0.1517**	ug/L
ê	Sb	121	8	284	16	5.5	0.000226	**0.0201**	ug/L
ë	Ba	138	38	2694	89	3.3	0.002175	**0.0501**	ug/L
é>	Tm	169	1101174	1117772	19539	1.7	1117772.428960		ug/L
ê	Tl	205	4	363	31	8.4	0.000321	**0.0100**	ug/L
ê	Pb	208	25	1196	26	2.2	0.001047	**0.0249**	ug/L
ê	Bi	209	8	1815	27	1.5	0.001617	**0.0492**	ug/L
ê	Th	232	44	863	21	2.5	0.000732	**0.0197**	ug/L
ë	U	238	0	455	11	2.4	0.000407	**0.0101**	ug/L
	C	13	43238	44323	327	0.7	1084.985808		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Li	7	
⎢	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	K	39	
⎢	Ca	44	
⎢>	Sc	45	
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL2

Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 14:54:39
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2010

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CAL2.052
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	3575	69	1.9	0.002830	**0.3073**	ug/L
ê	Be	9	7	578	23	3.9	0.000457	**0.3044**	ug/L
ê	B	11	551	10695	261	2.4	0.008124	**4.1044**	ug/L
ê	Na	23	7063	803766	18753	2.3	0.637268	**31.0096**	ug/L
ê	Mg	24	264	531735	12524	2.4	0.425041	**30.9223**	ug/L
ê	Al	27	1705	78500	404	0.5	0.061458	**3.0486**	ug/L
ê	K	39	743956	1585847	6259	0.4	0.688467	**30.0662**	ug/L
ê	Ca	44	6038	52840	734	1.4	0.037556	**60.5853**	ug/L
ê>	Sc	45	1282853	1250356	13321	1.1	1250355.716696		ug/L
ê	Ti	47	53	825	25	3.1	0.000619	**0.3970**	ug/L
ê	Ti	48	-206	8126	317	3.9	0.006660	**0.4078**	ug/L
ê	V	51	56	7210	103	1.4	0.005723	**0.3045**	ug/L
ê	Cr	52	14940	20994	452	2.2	0.005143	**0.3293**	ug/L
ê	Cr	53	56	731	56	7.6	0.000541	**0.3030**	ug/L
ê	Mn	55	1243	4405	53	1.2	0.002555	**0.1245**	ug/L
ê	Fe	54	156113	167228	1216	0.7	0.012056	**10.2316**	ug/L
ê	Fe	57	10282	15927	41	0.3	0.004724	**11.4284**	ug/L
ê	Co	59	52	4491	36	0.8	0.003551	**0.2049**	ug/L
ê	Ni	60	52	2001	36	1.8	0.001560	**0.4191**	ug/L
ë	Ni	62	131	423	11	2.6	0.000237	**0.4066**	ug/L
é	Cu	65	14	1187	63	5.3	0.001011	**0.2342**	ug/L
ê	Cu	63	30	2579	36	1.4	0.002198	**0.2386**	ug/L
ê	Zn	66	41	904	28	3.1	0.000744	**0.3936**	ug/L
ê	Zn	68	535	1143	37	3.2	0.000515	**0.4014**	ug/L
ê>	Ge	74	1136281	1159641	15592	1.3	1159641.080789		ug/L
ë	As	75	-132	1165	38	3.2	0.001121	**0.5040**	ug/L
é	Se	77	98	254	2	0.6	0.000124	**1.0474**	ug/L
ê	Se	82	10	223	5	2.2	0.000172	**0.9702**	ug/L
ê	Sr	88	124	3004	83	2.8	0.002315	**0.1000**	ug/L
ê	Mo	95	14	273	10	3.7	0.000208	**0.0586**	ug/L
ê	Mo	97	12	168	8	4.5	0.000126	**0.0619**	ug/L
ê	Mo	98	19	442	13	2.9	0.000340	**0.0599**	ug/L
ê	Ag	107	5	633	26	4.0	0.000506	**0.0401**	ug/L
ê	Ag	109	6	777	24	3.1	0.000621	**0.0395**	ug/L
ê	Cd	111	3	194	19	9.8	0.000154	**0.0396**	ug/L
ê	Cd	114	35	457	21	4.6	0.000339	**0.0396**	ug/L

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ê>	In	115	1206580	1242607	3167	0.3	1242606.617206		ug/L
ê	Sn	120	142	6391	74	1.2	0.005025	**0.2939**	ug/L
ê	Sb	121	8	561	50	9.0	0.000444	**0.0397**	ug/L
ë	Ba	138	38	5266	26	0.5	0.004206	**0.1002**	ug/L
é>	Tm	169	1101174	1120904	26812	2.4	1120904.110940		ug/L
ê	Tl	205	4	705	47	6.7	0.000626	**0.0199**	ug/L
ê	Pb	208	25	2340	60	2.6	0.002066	**0.0504**	ug/L
ê	Bi	209	8	3660	65	1.8	0.003260	**0.1028**	ug/L
ê	Th	232	44	1791	18	1.0	0.001559	**0.0414**	ug/L
ë	U	238	0	844	52	6.2	0.000753	**0.0194**	ug/L
	C	13	43238	44578	373	0.8	1339.777498		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL3
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 14:59:05
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2002

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CAL3.053
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	17795	341	1.9	0.013495	**1.4620**	ug/L
ê	Be	9	7	2729	88	3.2	0.002068	**1.4273**	ug/L
ê	B	11	551	50572	289	0.6	0.038003	**19.1341**	ug/L
ê	Na	23	7063	3913202	71740	1.8	2.967640	**145.2837**	ug/L
ê	Mg	24	264	2595542	31836	1.2	1.972314	**146.4854**	ug/L
ê	Al	27	1705	386029	1488	0.4	0.292031	**14.7806**	ug/L
ê	K	39	743956	4989154	115909	2.3	3.210525	**143.7894**	ug/L
ê	Ca	44	6038	238330	4539	1.9	0.176369	**288.6087**	ug/L
ê>	Sc	45	1282853	1316147	20665	1.6	1316146.639654		ug/L
ê	Ti	47	53	4034	79	2.0	0.003024	**1.9320**	ug/L
ê	Ti	48	-206	42088	956	2.3	0.032139	**1.9534**	ug/L
ê	V	51	56	35122	1164	3.3	0.026647	**1.4318**	ug/L
ê	Cr	52	14940	45021	1077	2.4	0.022560	**1.4379**	ug/L
ê	Cr	53	56	3489	77	2.2	0.002608	**1.4817**	ug/L
ê	Mn	55	1243	16862	240	1.4	0.011843	**0.5886**	ug/L
ê	Fe	54	156113	221321	4248	1.9	0.046477	**43.6608**	ug/L
ê	Fe	57	10282	35985	354	1.0	0.019333	**47.5306**	ug/L
ê	Co	59	52	21694	560	2.6	0.016443	**0.9720**	ug/L
ê	Ni	60	52	9672	160	1.7	0.007308	**1.9783**	ug/L
ë	Ni	62	131	1632	12	0.7	0.001138	**2.0718**	ug/L
é	Cu	65	14	5894	49	0.8	0.005025	**1.1891**	ug/L
ê	Cu	63	30	12567	149	1.2	0.010714	**1.1941**	ug/L
ê	Zn	66	41	4219	107	2.5	0.003570	**1.9349**	ug/L
ê	Zn	68	535	3449	6	0.2	0.002477	**1.9361**	ug/L
ê>	Ge	74	1136281	1170126	12819	1.1	1170125.810838		ug/L
ë	As	75	-132	6463	167	2.6	0.005639	**2.6875**	ug/L
é	Se	77	98	887	10	1.2	0.000628	**4.8658**	ug/L
ê	Se	82	10	1104	33	3.0	0.000875	**4.8944**	ug/L
ê	Sr	88	124	14321	166	1.2	0.011343	**0.4877**	ug/L
ê	Mo	95	14	1271	11	0.8	0.001004	**0.2852**	ug/L
ê	Mo	97	12	765	18	2.4	0.000602	**0.2814**	ug/L
ê	Mo	98	19	2114	65	3.1	0.001673	**0.2965**	ug/L
ê	Ag	107	5	3076	96	3.1	0.002453	**0.2009**	ug/L
ê	Ag	109	6	3860	44	1.2	0.003080	**0.1984**	ug/L
ê	Cd	111	3	923	33	3.5	0.000735	**0.1906**	ug/L
ê	Cd	114	35	2216	66	3.0	0.001742	**0.1969**	ug/L

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ê>	In	115	1206580	1252017	31654	2.5	1252016.750113		ug/L
ê	Sn	120	142	30282	59	0.2	0.024079	**1.4691**	ug/L
ê	Sb	121	8	2749	29	1.1	0.002190	**0.1961**	ug/L
ë	Ba	138	38	25251	132	0.5	0.020144	**0.4932**	ug/L
é>	Tm	169	1101174	1148457	7362	0.6	1148456.586486		ug/L
ê	Tl	205	4	3556	15	0.4	0.003093	**0.0998**	ug/L
ê	Pb	208	25	11547	181	1.6	0.010032	**0.2501**	ug/L
ê	Bi	209	8	17881	228	1.3	0.015563	**0.5042**	ug/L
ê	Th	232	44	8595	118	1.4	0.007444	**0.1963**	ug/L
ë	U	238	0	4332	80	1.8	0.003772	**0.1001**	ug/L
	C	13	43238	45195	99	0.2	1957.377128		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	
|	Tl	205	
|	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL4

Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 15:03:31
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2001

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CAL4.054
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	37125	390	1.1	0.027903	**3.0220**	ug/L
ê	Be	9	7	5677	62	1.1	0.004267	**2.9595**	ug/L
ê	B	11	551	103288	1069	1.0	0.077295	**38.8983**	ug/L
ê	Na	23	7063	7971125	114667	1.4	5.992478	**293.6123**	ug/L
ê	Mg	24	264	5244358	61699	1.2	3.945228	**293.8389**	ug/L
ê	Al	27	1705	778773	12880	1.7	0.584563	**29.6653**	ug/L
ê	K	39	743956	9503731	129850	1.4	6.571625	**295.3463**	ug/L
ê	Ca	44	6038	493912	3084	0.6	0.366899	**601.5851**	ug/L
ê>	Sc	45	1282853	1329304	22238	1.7	1329303.913510		ug/L
ê	Ti	47	53	8320	173	2.1	0.006218	**3.9701**	ug/L
ê	Ti	48	-206	86195	3304	3.8	0.064987	**3.9462**	ug/L
ê	V	51	56	73656	2394	3.3	0.055356	**2.9785**	ug/L
ê	Cr	52	14940	75827	1658	2.2	0.045394	**2.8912**	ug/L
ê	Cr	53	56	6967	200	2.9	0.005197	**2.9581**	ug/L
ê	Mn	55	1243	33692	629	1.9	0.024377	**1.2148**	ug/L
ê	Fe	54	156113	301365	6866	2.3	0.105017	**100.5140**	ug/L
ê	Fe	57	10282	64070	635	1.0	0.040187	**99.0697**	ug/L
ê	Co	59	52	45537	861	1.9	0.034215	**2.0296**	ug/L
ê	Ni	60	52	19821	519	2.6	0.014870	**4.0291**	ug/L
ë	Ni	62	131	3024	66	2.2	0.002173	**3.9824**	ug/L
é	Cu	65	14	12123	212	1.8	0.010242	**2.4304**	ug/L
ê	Cu	63	30	25525	473	1.9	0.021568	**2.4117**	ug/L
ê	Zn	66	41	8853	258	2.9	0.007452	**4.0527**	ug/L
ê	Zn	68	535	6524	244	3.7	0.005047	**3.9467**	ug/L
ê>	Ge	74	1136281	1182196	13175	1.1	1182195.556860		ug/L
ë	As	75	-132	13208	162	1.2	0.011289	**5.4177**	ug/L
é	Se	77	98	1727	60	3.5	0.001272	**9.7387**	ug/L
ê	Se	82	10	2223	77	3.5	0.001733	**9.6883**	ug/L
ê	Sr	88	124	29051	459	1.6	0.022659	**0.9737**	ug/L
ê	Mo	95	14	2631	79	3.0	0.002050	**0.5829**	ug/L
ê	Mo	97	12	1675	42	2.5	0.001303	**0.6042**	ug/L
ê	Mo	98	19	4263	90	2.1	0.003324	**0.5894**	ug/L
ê	Ag	107	5	6219	57	0.9	0.004868	**0.4004**	ug/L
ê	Ag	109	6	7879	161	2.0	0.006168	**0.3981**	ug/L
ê	Cd	111	3	1937	31	1.6	0.001515	**0.3934**	ug/L
ê	Cd	114	35	4508	91	2.0	0.003503	**0.3941**	ug/L

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ê>	In	115	1206580	1276410	7613	0.6	1276410.498113		ug/L
ê	Sn	120	142	60988	470	0.8	0.047663	**2.9237**	ug/L
ê	Sb	121	8	5623	147	2.6	0.004398	**0.3939**	ug/L
ë	Ba	138	38	51242	1031	2.0	0.040111	**0.9857**	ug/L
é>	Tm	169	1101174	1157006	19050	1.6	1157005.524606		ug/L
ê	Tl	205	4	7253	59	0.8	0.006267	**0.2026**	ug/L
ê	Pb	208	25	23622	365	1.5	0.020394	**0.5098**	ug/L
ê	Bi	209	8	36187	693	1.9	0.031269	**1.0167**	ug/L
ê	Th	232	44	17846	487	2.7	0.015384	**0.4052**	ug/L
ë	U	238	0	8919	42	0.5	0.007710	**0.2054**	ug/L
	C	13	43238	45014	28	0.1	1775.804993		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Li	7	
⎢	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	K	39	
⎢	Ca	44	
⎢>	Sc	45	
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL5
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 15:07:58
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3020

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CAL5.055
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	31154	1929	6.2	0.023620	**2.5583**	ug/L
ê	Be	9	7	1967	41	2.1	0.001488	**1.0234**	ug/L
ê	B	11	551	133106	3713	2.8	0.100636	**50.6393**	ug/L
ê	Na	23	7063	27218750	670959	2.5	20.661344	**1012.9275**	ug/L
ê	Mg	24	264	35843109	1405790	3.9	27.212585	**2031.6371**	ug/L
ê	Al	27	1705	13068655	463086	3.5	9.920844	**504.7162**	ug/L
ê	K	39	743956	30625329	319430	1.0	22.675779	**1021.5059**	ug/L
ê	Ca	44	6038	1670578	39203	2.3	1.263766	**2074.8371**	ug/L
ê>	Sc	45	1282853	1316895	13613	1.0	1316895.203930		ug/L
ê	Ti	47	53	21057	655	3.1	0.015947	**10.1792**	ug/L
ê	Ti	48	-206	218616	7422	3.4	0.166144	**10.0828**	ug/L
ê	V	51	56	124200	5034	4.1	0.094250	**5.0740**	ug/L
ê	Cr	52	14940	535661	14699	2.7	0.395080	**25.1478**	ug/L
ê	Cr	53	56	59633	1708	2.9	0.045234	**25.7884**	ug/L
ê	Mn	55	1243	687734	19435	2.8	0.521206	**26.0361**	ug/L
ê	Fe	54	156113	880311	26880	3.1	0.546692	**529.4635**	ug/L
ê	Fe	57	10282	284007	6863	2.4	0.207633	**512.8874**	ug/L
ê	Co	59	52	114048	1655	1.5	0.086561	**5.1443**	ug/L
ê	Ni	60	52	50918	1872	3.7	0.038619	**10.4710**	ug/L
ë	Ni	62	131	7420	120	1.6	0.005532	**10.1848**	ug/L
é	Cu	65	14	51106	1126	2.2	0.043447	**10.3300**	ug/L
ê	Cu	63	30	108702	2603	2.4	0.092410	**10.3594**	ug/L
ê	Zn	66	41	109502	4362	4.0	0.093062	**50.7460**	ug/L
ê	Zn	68	535	77669	2655	3.4	0.065566	**51.2885**	ug/L
ê>	Ge	74	1136281	1175913	23310	2.0	1175913.110064		ug/L
ë	As	75	-132	24712	1235	5.0	0.021123	**10.1702**	ug/L
é	Se	77	98	1731	20	1.1	0.001295	**9.9170**	ug/L
ê	Se	82	10	2320	36	1.6	0.001835	**10.2583**	ug/L
ê	Sr	88	124	293937	7941	2.7	0.233501	**10.0278**	ug/L
ê	Mo	95	14	22544	1101	4.9	0.017901	**5.0948**	ug/L
ê	Mo	97	12	13435	856	6.4	0.010669	**4.9212**	ug/L
ê	Mo	98	19	35207	1126	3.2	0.027961	**4.9610**	ug/L
ê	Ag	107	5	32518	898	2.8	0.025835	**2.1317**	ug/L
ê	Ag	109	6	40890	385	0.9	0.032495	**2.1000**	ug/L
ê	Cd	111	3	4955	142	2.9	0.003934	**1.0223**	ug/L
ê	Cd	114	35	11537	266	2.3	0.009139	**1.0256**	ug/L

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ê>	In	115	1206580	1258570	26917	2.1	1258570.039030		ug/L
ê	Sn	120	142	51957	2109	4.1	0.041169	**2.5232**	ug/L
ê	Sb	121	8	14164	548	3.9	0.011247	**1.0075**	ug/L
ë	Ba	138	38	1268319	49306	3.9	1.007821	**24.8514**	ug/L
é>	Tm	169	1101174	1139388	5689	0.5	1139388.034064		ug/L
ê	Tl	205	4	18068	246	1.4	0.015855	**0.5133**	ug/L
ê	Pb	208	25	118443	2435	2.1	0.103936	**2.6039**	ug/L
ê	Bi	209	8	365614	13345	3.6	0.320912	**10.4671**	ug/L
ê	Th	232	44	22169	878	4.0	0.019419	**0.5113**	ug/L
ë	U	238	0	21873	935	4.3	0.019199	**0.5125**	ug/L
	C	13	43238	45118	320	0.7	1880.470092		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL6
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 15:12:25
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3010

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CAL6.056
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	62601	728	1.2	0.046846	**5.0730**	ug/L
ê	Be	9	7	4027	39	1.0	0.003010	**2.0834**	ug/L
ê	B	11	551	272938	3899	1.4	0.203947	**102.6059**	ug/L
ê	Na	23	7063	56008232	376193	0.7	41.931755	**2055.9618**	ug/L
ê	Mg	24	264	74498286	1919144	2.6	55.774153	**4164.8508**	ug/L
ê	Al	27	1705	27138624	639600	2.4	20.316801	**1033.6857**	ug/L
ê	K	39	743956	61681295	1250702	2.0	45.601269	**2055.2493**	ug/L
ê	Ca	44	6038	3326692	53066	1.6	2.486342	**4083.1186**	ug/L
ê>	Sc	45	1282853	1335604	9590	0.7	1335603.609921		ug/L
ê	Ti	47	53	42974	180	0.4	0.032135	**20.5103**	ug/L
ê	Ti	48	-206	449534	11676	2.6	0.336708	**20.4301**	ug/L
ê	V	51	56	253312	6897	2.7	0.189634	**10.2130**	ug/L
ê	Cr	52	14940	1072022	26232	2.4	0.791113	**50.3545**	ug/L
ê	Cr	53	56	119544	884	0.7	0.089466	**51.0106**	ug/L
ê	Mn	55	1243	1343019	9517	0.7	1.004652	**50.1889**	ug/L
ê	Fe	54	156113	1608335	18904	1.2	1.082615	**1049.9455**	ug/L
ê	Fe	57	10282	563368	9526	1.7	0.413824	**1022.4587**	ug/L
ê	Co	59	52	227904	3402	1.5	0.170609	**10.1456**	ug/L
ê	Ni	60	52	102475	1735	1.7	0.076690	**20.7972**	ug/L
ë	Ni	62	131	15029	238	1.6	0.011151	**20.5619**	ug/L
é	Cu	65	14	103007	2962	2.9	0.087730	**20.8652**	ug/L
ê	Cu	63	30	218537	4591	2.1	0.186145	**20.8756**	ug/L
ê	Zn	66	41	221795	3421	1.5	0.188947	**103.0443**	ug/L
ê	Zn	68	535	155756	2327	1.5	0.132289	**103.4833**	ug/L
ê>	Ge	74	1136281	1173904	27532	2.3	1173903.599201		ug/L
ë	As	75	-132	49355	594	1.2	0.042169	**20.3410**	ug/L
é	Se	77	98	3432	68	2.0	0.002667	**20.2970**	ug/L
ê	Se	82	10	4597	70	1.5	0.003671	**20.5072**	ug/L
ê	Sr	88	124	596956	6820	1.1	0.477658	**20.5126**	ug/L
ê	Mo	95	14	44418	674	1.5	0.035541	**10.1158**	ug/L
ê	Mo	97	12	27549	822	3.0	0.022033	**10.1593**	ug/L
ê	Mo	98	19	71168	1686	2.4	0.056948	**10.1042**	ug/L
ê	Ag	107	5	64214	437	0.7	0.051396	**4.2424**	ug/L
ê	Ag	109	6	82832	1041	1.3	0.066304	**4.2855**	ug/L
ê	Cd	111	3	10052	55	0.5	0.008042	**2.0899**	ug/L
ê	Cd	114	35	22991	298	1.3	0.018371	**2.0598**	ug/L

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ê>	In	115	1206580	1249699	23996	1.9	1249699.355924		ug/L
ê	Sn	120	142	106096	1017	1.0	0.084807	**5.2146**	ug/L
ê	Sb	121	8	28929	430	1.5	0.023152	**2.0739**	ug/L
ë	Ba	138	38	2601836	44529	1.7	2.082897	**51.3651**	ug/L
é>	Tm	169	1101174	1139681	13397	1.2	1139681.139985		ug/L
ê	Tl	205	4	36443	597	1.6	0.031972	**1.0354**	ug/L
ê	Pb	208	25	235912	972	0.4	0.207001	**5.1874**	ug/L
ê	Bi	209	8	735458	5354	0.7	0.645337	**21.0525**	ug/L
ê	Th	232	44	44476	435	1.0	0.038988	**1.0263**	ug/L
ë	U	238	0	43864	865	2.0	0.038486	**1.0281**	ug/L
	C	13	43238	45619	483	1.1	2380.724728		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Li	7	
⎢	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	K	39	
⎢	Ca	44	
⎢>	Sc	45	
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL7
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 15:16:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3002

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CAL7.057
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	293032	5422	1.9	0.226076	**24.4784**	ug/L
ê	Be	9	7	18458	233	1.3	0.014236	**9.9066**	ug/L
ê	B	11	551	1263379	18487	1.5	0.974337	**490.1227**	ug/L
ê	Na	23	7063	266778224	7976527	3.0	205.796008	**10091.3512**	ug/L
ê	Mg	24	264	343491467	2514388	0.7	265.049278	**19795.2441**	ug/L
ê	Al	27	1705	124848783	3376459	2.7	96.322439	**4901.0223**	ug/L
ê	K	39	743956	287636324	2196812	0.8	221.376005	**9981.1861**	ug/L
ê	Ca	44	6038	15593619	402437	2.6	12.024649	**19751.3530**	ug/L
ê>	Sc	45	1282853	1296172	22927	1.8	1296172.056761		ug/L
ê	Ti	47	53	203500	3641	1.8	0.156960	**100.1727**	ug/L
ê	Ti	48	-206	2134104	98263	4.6	1.647477	**99.9476**	ug/L
ê	V	51	56	1196477	33298	2.8	0.923074	**49.7284**	ug/L
ê	Cr	52	14940	5204457	158115	3.0	4.005183	**254.9224**	ug/L
ê	Cr	53	56	561279	10276	1.8	0.433098	**246.9592**	ug/L
ê	Mn	55	1243	6364464	184663	2.9	4.909157	**245.2568**	ug/L
ê	Fe	54	156113	6906962	111452	1.6	5.208144	**5056.6110**	ug/L
ê	Fe	57	10282	2600773	19313	0.7	1.998742	**4939.3547**	ug/L
ê	Co	59	52	1067612	18734	1.8	0.823729	**49.0092**	ug/L
ê	Ni	60	52	456348	4482	1.0	0.352112	**95.5027**	ug/L
ë	Ni	62	131	68187	714	1.0	0.052518	**96.9495**	ug/L
é	Cu	65	14	461312	4006	0.9	0.411042	**97.7836**	ug/L
ê	Cu	63	30	976780	14633	1.5	0.870492	**97.6520**	ug/L
ê	Zn	66	41	1010786	18707	1.9	0.900615	**491.2053**	ug/L
ê	Zn	68	535	711287	9295	1.3	0.633342	**495.4380**	ug/L
ê>	Ge	74	1136281	1122641	27213	2.4	1122640.618851		ug/L
ë	As	75	-132	231749	3030	1.3	0.206586	**99.7978**	ug/L
é	Se	77	98	15935	24	0.2	0.013311	**100.8741**	ug/L
ê	Se	82	10	21409	287	1.3	0.017984	**100.4167**	ug/L
ê	Sr	88	124	2759017	51562	1.9	2.318716	**99.5725**	ug/L
ê	Mo	95	14	210412	4405	2.1	0.176815	**50.3280**	ug/L
ê	Mo	97	12	129226	2892	2.2	0.108589	**50.0538**	ug/L
ê	Mo	98	19	332236	1840	0.6	0.279202	**49.5401**	ug/L
ê	Ag	107	5	273835	2300	0.8	0.230129	**19.0014**	ug/L
ê	Ag	109	6	358524	8303	2.3	0.301291	**19.4760**	ug/L
ê	Cd	111	3	45790	495	1.1	0.038479	**10.0012**	ug/L
ê	Cd	114	35	105284	1824	1.7	0.088451	**9.9113**	ug/L

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ê>	In	115	1206580	1189881	5332	0.4	1189880.981094		ug/L
ê	Sn	120	142	489482	9282	1.9	0.411237	**25.3478**	ug/L
ê	Sb	121	8	133427	1196	0.9	0.112130	**10.0450**	ug/L
ë	Ba	138	38	12062243	331992	2.8	10.137235	**250.0021**	ug/L
é>	Tm	169	1101174	1110152	21515	1.9	1110151.560388		ug/L
ê	Tl	205	4	165888	1990	1.2	0.149471	**4.8418**	ug/L
ê	Pb	208	25	1069359	16224	1.5	0.963334	**24.1462**	ug/L
ê	Bi	209	8	3261027	44743	1.4	2.938211	**95.8642**	ug/L
ê	Th	232	44	208236	4556	2.2	0.187613	**4.9370**	ug/L
ë	U	238	0	204818	3234	1.6	0.184564	**4.9333**	ug/L
	C	13	43238	46214	265	0.6	2976.297263		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL8
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 15:21:17
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3001

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CAL8.058
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	587783	15961	2.7	0.456354	**49.4109**	ug/L
ê	Be	9	7	36983	600	1.6	0.028715	**19.9963**	ug/L
ê	B	11	551	2647337	66657	2.5	2.055590	**1034.0075**	ug/L
ê	Na	23	7063	515928126	16456496	3.2	400.544357	**19641.1999**	ug/L
ê	Mg	24	264	675042846	18262163	2.7	524.157974	**39147.6199**	ug/L
ê	Al	27	1705	251156123	3338416	1.3	195.042915	**9924.1406**	ug/L
ê	K	39	743956	574377490	13470906	2.3	445.417836	**20083.5560**	ug/L
ê	Ca	44	6038	30789946	613330	2.0	23.905872	**39268.2111**	ug/L
ê>	Sc	45	1282853	1287911	30961	2.4	1287910.506924		ug/L
ê	Ti	47	53	402235	1180	0.3	0.312404	**199.3762**	ug/L
ê	Ti	48	-206	4223216	28235	0.7	3.280612	**199.0214**	ug/L
ê	V	51	56	2414296	61336	2.5	1.875383	**101.0359**	ug/L
ê	Cr	52	14940	10032904	296657	3.0	7.779731	**495.1635**	ug/L
ê	Cr	53	56	1106334	8721	0.8	0.859263	**489.9711**	ug/L
ê	Mn	55	1243	12376558	94871	0.8	9.612632	**480.2409**	ug/L
ê	Fe	54	156113	13127412	251837	1.9	10.074591	**9782.8473**	ug/L
ê	Fe	57	10282	4939147	18714	0.4	3.828327	**9460.9092**	ug/L
ê	Co	59	52	2112415	46989	2.2	1.640213	**97.5937**	ug/L
ê	Ni	60	52	890686	19477	2.2	0.691782	**187.6347**	ug/L
ë	Ni	62	131	132382	2296	1.7	0.102704	**189.6215**	ug/L
é	Cu	65	14	868881	17846	2.1	0.802565	**190.9298**	ug/L
ê	Cu	63	30	1828097	39593	2.2	1.688554	**189.4299**	ug/L
ê	Zn	66	41	1979159	64151	3.2	1.828023	**997.0358**	ug/L
ê	Zn	68	535	1368321	23388	1.7	1.263461	**988.3561**	ug/L
ê>	Ge	74	1136281	1082561	5782	0.5	1082560.774861		ug/L
ë	As	75	-132	449317	2115	0.5	0.415168	**200.5976**	ug/L
é	Se	77	98	30655	279	0.9	0.026669	**201.9960**	ug/L
ê	Se	82	10	41479	586	1.4	0.036185	**202.0312**	ug/L
ê	Sr	88	124	5459836	134290	2.5	4.763711	**204.5672**	ug/L
ê	Mo	95	14	421361	4428	1.1	0.367663	**104.6509**	ug/L
ê	Mo	97	12	256702	7813	3.0	0.223993	**103.2447**	ug/L
ê	Mo	98	19	668216	3410	0.5	0.583067	**103.4566**	ug/L
ê	Ag	107	5	509635	4113	0.8	0.444685	**36.7185**	ug/L
ê	Ag	109	6	654998	3593	0.5	0.571528	**36.9452**	ug/L
ê	Cd	111	3	87838	420	0.5	0.076644	**19.9209**	ug/L
ê	Cd	114	35	201974	3364	1.7	0.176201	**19.7425**	ug/L

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ê>	In	115	1206580	1146040	6848	0.6	1146040.495876		ug/L
ê	Sn	120	142	918875	2866	0.3	0.801693	**49.4299**	ug/L
ê	Sb	121	8	252629	4241	1.7	0.220432	**19.7471**	ug/L
ë	Ba	138	38	23321854	116009	0.5	20.350057	**501.8720**	ug/L
é>	Tm	169	1101174	1078750	13247	1.2	1078750.042369		ug/L
ê	Tl	205	4	320572	2049	0.6	0.297205	**9.6278**	ug/L
ê	Pb	208	25	2006650	26508	1.3	1.860452	**46.6339**	ug/L
ê	Bi	209	8	5982352	52924	0.9	5.546208	**180.9577**	ug/L
ê	Th	232	44	390287	5453	1.4	0.361824	**9.5211**	ug/L
ë	U	238	0	383470	6006	1.6	0.355517	**9.5034**	ug/L
	C	13	43238	45925	386	0.8	2687.369590		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Li	7	
⎢	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	K	39	
⎢	Ca	44	
⎢>	Sc	45	
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB2

Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 15:25:44
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB2.059
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	264	27	10.1	0.000167	**0.0190**	ug/L
ê	Be	9	7	6	1	18.2	-0.000001	**-0.0144**	ug/L
ê	B	11	551	6623	1545	23.3	0.004505	**2.2840**	ug/L
ê	Na	23	7063	44972	29956	66.6	0.028049	**1.1354**	ug/L
ê	Mg	24	264	37053	45971	124.1	0.027531	**1.2330**	ug/L
ê	Al	27	1705	16854	19739	117.1	0.011287	**0.4957**	ug/L
ê	K	39	743956	866252	52941	6.1	0.064427	**1.9273**	ug/L
ê	Ca	44	6038	8224	2436	29.6	0.001419	**1.2248**	ug/L
ê>	Sc	45	1282853	1345166	18631	1.4	1345166.287057		ug/L
ê	Ti	47	53	91	27	30.0	0.000027	**0.0193**	ug/L
ê	Ti	48	-206	-151	85	56.5	0.000049	**0.0067**	ug/L
ê	V	51	56	156	108	69.3	0.000073	**0.0001**	ug/L
ê	Cr	52	14940	16791	610	3.6	0.000834	**0.0550**	ug/L
ê	Cr	53	56	104	47	45.1	0.000034	**0.0140**	ug/L
ê	Mn	55	1243	1577	358	22.7	0.000206	**0.0072**	ug/L
ê	Fe	54	156113	166325	1635	1.0	0.001978	**0.4438**	ug/L
ê	Fe	57	10282	11079	419	3.8	0.000220	**0.2976**	ug/L
ê	Co	59	52	108	66	61.2	0.000039	**-0.0041**	ug/L
ê	Ni	60	52	71	13	18.8	0.000012	**-0.0008**	ug/L
ë	Ni	62	131	178	5	2.5	0.000030	**0.0252**	ug/L
é	Cu	65	14	28	15	53.7	0.000011	**-0.0038**	ug/L
ê	Cu	63	30	113	45	39.6	0.000069	**-0.0002**	ug/L
ê	Zn	66	41	84	34	41.0	0.000035	**0.0069**	ug/L
ê	Zn	68	535	597	38	6.3	0.000031	**0.0227**	ug/L
ê>	Ge	74	1136281	1188610	14888	1.3	1188610.095382		ug/L
ë	As	75	-132	-93	26	28.1	0.000038	**-0.0195**	ug/L
é	Se	77	98	101	15	15.1	-0.000001	**0.1009**	ug/L
ê	Se	82	10	14	9	66.7	0.000003	**0.0268**	ug/L
ê	Sr	88	124	162	64	39.6	0.000025	**0.0017**	ug/L
ê	Mo	95	14	83	20	23.6	0.000053	**0.0146**	ug/L
ê	Mo	97	12	52	1	1.1	0.000031	**0.0181**	ug/L
ê	Mo	98	19	119	11	8.9	0.000077	**0.0133**	ug/L
ê	Ag	107	5	12	4	30.0	0.000005	**-0.0012**	ug/L
ê	Ag	109	6	16	2	14.1	0.000008	**-0.0001**	ug/L
ê	Cd	111	3	4	3	74.2	0.000001	**-0.0001**	ug/L
ê	Cd	114	35	29	3	11.2	-0.000006	**0.0010**	ug/L

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ê>	In	115	1206580	1273238	8902	0.7	1273237.681234		ug/L
ê	Sn	120	142	328	16	4.9	0.000140	**-0.0074**	ug/L
ê	Sb	121	8	167	30	17.7	0.000124	**0.0110**	ug/L
ë	Ba	138	38	135	98	72.7	0.000074	**-0.0017**	ug/L
é>	Tm	169	1101174	1139292	19845	1.7	1139291.972168		ug/L
ê	Tl	205	4	12	4	30.1	0.000007	**-0.0002**	ug/L
ê	Pb	208	25	94	106	112.7	0.000059	**0.0001**	ug/L
ê	Bi	209	8	423	301	71.3	0.000361	**0.0082**	ug/L
ê	Th	232	44	153	3	2.1	0.000094	**0.0029**	ug/L
ë	U	238	0	10	13	129.3	0.000008	**-0.0005**	ug/L
	C	13	43238	45150	134	0.3	1911.900522		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Li	7	
⎢	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	K	39	
⎢	Ca	44	
⎢>	Sc	45	104.857
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	104.605
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	105.525
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	103.462
⎢	Tl	205	
⎢	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICV1

Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 15:30:10
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 4

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICV1.060
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	155982	921	0.6	0.116190	**12.5809**	ug/L
ê	Be	9	7	1943	25	1.3	0.001442	**0.9912**	ug/L
ê	B	11	551	132914	2826	2.1	0.098599	**49.6147**	ug/L
ê	Na	23	7063	13388040	237139	1.8	9.969247	**488.6206**	ug/L
ê	Mg	24	264	3572201	35101	1.0	2.661297	**197.9444**	ug/L
ê	Al	27	1705	1327705	25655	1.9	0.987886	**50.1873**	ug/L
ê	K	39	743956	3747780	2665	0.1	2.212406	**98.7828**	ug/L
ê	Ca	44	6038	810375	6393	0.8	0.599075	**982.9735**	ug/L
ê>	Sc	45	1282853	1342203	8525	0.6	1342203.169398		ug/L
ê	Ti	47	53	10186	148	1.4	0.007548	**4.8191**	ug/L
ê	Ti	48	-206	105201	1709	1.6	0.078537	**4.7682**	ug/L
ê	V	51	56	124470	1274	1.0	0.092692	**4.9901**	ug/L
ê	Cr	52	14940	266859	2121	0.8	0.187183	**11.9157**	ug/L
ê	Cr	53	56	28834	369	1.3	0.021440	**12.2199**	ug/L
ê	Mn	55	1243	66270	850	1.3	0.048405	**2.4152**	ug/L
ê	Fe	54	156113	488352	5037	1.0	0.242153	**233.6993**	ug/L
ê	Fe	57	10282	140927	2215	1.6	0.096979	**239.4212**	ug/L
ê	Co	59	52	55490	1066	1.9	0.041299	**2.4511**	ug/L
ê	Ni	60	52	23985	492	2.1	0.017829	**4.8319**	ug/L
ë	Ni	62	131	3663	31	0.8	0.002627	**4.8214**	ug/L
é	Cu	65	14	25130	645	2.6	0.021164	**5.0287**	ug/L
ê	Cu	63	30	53426	1217	2.3	0.044987	**5.0391**	ug/L
ê	Zn	66	41	10884	211	1.9	0.009134	**4.9697**	ug/L
ê	Zn	68	535	8203	259	3.2	0.006441	**5.0374**	ug/L
ê>	Ge	74	1136281	1187251	25569	2.2	1187250.656267		ug/L
ë	As	75	-132	12058	175	1.5	0.010274	**4.9272**	ug/L
é	Se	77	98	1739	72	4.2	0.001324	**10.1334**	ug/L
ê	Se	82	10	2260	52	2.3	0.001818	**10.1603**	ug/L
ê	Sr	88	124	145239	2049	1.4	0.117254	**5.0358**	ug/L
ê	Mo	95	14	2235	72	3.2	0.001794	**0.5102**	ug/L
ê	Mo	97	12	1374	52	3.8	0.001101	**0.5112**	ug/L
ê	Mo	98	19	3440	5	0.1	0.002764	**0.4900**	ug/L
ê	Ag	107	5	13322	321	2.4	0.010759	**0.8868**	ug/L
ê	Ag	109	6	17213	626	3.6	0.013904	**0.8981**	ug/L
ê	Cd	111	3	2353	42	1.8	0.001898	**0.4931**	ug/L
ê	Cd	114	35	5480	162	3.0	0.004399	**0.4945**	ug/L

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ê>	In	115	1206580	1237594	7827	0.6	1237594.341491		ug/L
ê	Sn	120	142	51944	268	0.5	0.041856	**2.5655**	ug/L
ê	Sb	121	8	14058	160	1.1	0.011353	**1.0169**	ug/L
ë	Ba	138	38	124420	3538	2.8	0.100501	**2.4750**	ug/L
é>	Tm	169	1101174	1134944	14965	1.3	1134943.616887		ug/L
ê	Tl	205	4	8921	55	0.6	0.007857	**0.2542**	ug/L
ê	Pb	208	25	113546	1050	0.9	0.100026	**2.5059**	ug/L
ê	Bi	209	8	89121	799	0.9	0.078521	**2.5584**	ug/L
ê	Th	232	44	21560	218	1.0	0.018957	**0.4992**	ug/L
ë	U	238	0	21602	428	2.0	0.019033	**0.5081**	ug/L
	C	13	43238	46133	476	1.0	2895.373292		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Li	7	
⎢	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	K	39	
⎢	Ca	44	
⎢>	Sc	45	104.626
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	104.486
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	102.570
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	103.067
⎢	Tl	205	
⎢	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB3
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 15:34:41
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB3.061
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	185	17	9.1	0.000104	**0.0122**	ug/L
ê	Be	9	7	7	3	37.8	-0.000000	**-0.0141**	ug/L
ê	B	11	551	2088	207	9.9	0.001081	**0.5619**	ug/L
ê	Na	23	7063	13258	732	5.5	0.004083	**-0.0398**	ug/L
ê	Mg	24	264	479	153	32.0	0.000142	**-0.8127**	ug/L
ê	Al	27	1705	1843	26	1.4	0.000003	**-0.0784**	ug/L
ê	K	39	743956	808107	13933	1.7	0.004194	**-0.7887**	ug/L
ê	Ca	44	6038	6458	123	1.9	-0.000038	**-1.1687**	ug/L
ê>	Sc	45	1282853	1383926	25398	1.8	1383925.535544		ug/L
ê	Ti	47	53	71	5	7.3	0.000010	**0.0085**	ug/L
ê	Ti	48	-206	-238	26	11.0	-0.000012	**0.0031**	ug/L
ê	V	51	56	69	9	13.4	0.000007	**-0.0035**	ug/L
ê	Cr	52	14940	16650	96	0.6	0.000386	**0.0265**	ug/L
ê	Cr	53	56	89	13	14.4	0.000021	**0.0064**	ug/L
ê	Mn	55	1243	1260	72	5.7	-0.000058	**-0.0060**	ug/L
ê	Fe	54	156113	173602	1593	0.9	0.003764	**2.1781**	ug/L
ê	Fe	57	10282	11274	288	2.6	0.000133	**0.0806**	ug/L
ê	Co	59	52	62	11	18.2	0.000004	**-0.0062**	ug/L
ê	Ni	60	52	45	8	16.9	-0.000008	**-0.0062**	ug/L
ë	Ni	62	131	165	7	4.2	0.000017	**0.0014**	ug/L
é	Cu	65	14	13	3	20.4	-0.000002	**-0.0068**	ug/L
ê	Cu	63	30	55	11	20.5	0.000019	**-0.0059**	ug/L
ê	Zn	66	41	51	14	27.4	0.000006	**-0.0089**	ug/L
ê	Zn	68	535	609	18	3.0	0.000029	**0.0217**	ug/L
ê>	Ge	74	1136281	1217819	32590	2.7	1217819.405508		ug/L
ë	As	75	-132	-82	14	17.6	0.000049	**-0.0139**	ug/L
é	Se	77	98	89	6	6.5	-0.000012	**0.0191**	ug/L
ê	Se	82	10	-2	11	527.0	-0.000010	**-0.0425**	ug/L
ê	Sr	88	124	123	13	10.9	-0.000007	**0.0003**	ug/L
ê	Mo	95	14	29	8	29.0	0.000010	**0.0024**	ug/L
ê	Mo	97	12	12	5	44.1	-0.000000	**0.0037**	ug/L
ê	Mo	98	19	43	7	16.5	0.000017	**0.0027**	ug/L
ê	Ag	107	5	8	4	48.5	0.000002	**-0.0014**	ug/L
ê	Ag	109	6	6	4	71.3	-0.000000	**-0.0007**	ug/L
ê	Cd	111	3	5	2	28.6	0.000001	**0.0001**	ug/L
ê	Cd	114	35	36	4	10.8	-0.000001	**0.0015**	ug/L

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ê>	In	115	1206580	1288192	16472	1.3	1288191.873890		ug/L
ê	Sn	120	142	200	22	10.8	0.000038	**-0.0137**	ug/L
ê	Sb	121	8	21	5	23.1	0.000010	**0.0008**	ug/L
ë	Ba	138	38	44	2	4.5	0.000002	**-0.0035**	ug/L
é>	Tm	169	1101174	1171025	29962	2.6	1171025.408151		ug/L
ê	Tl	205	4	8	5	64.3	0.000003	**-0.0003**	ug/L
ê	Pb	208	25	54	11	19.6	0.000023	**-0.0008**	ug/L
ê	Bi	209	8	47	6	12.9	0.000033	**-0.0025**	ug/L
ê	Th	232	44	63	2	3.3	0.000014	**0.0008**	ug/L
ë	U	238	0	1	2	173.2	0.000001	**-0.0007**	ug/L
	C	13	43238	46304	121	0.3	3066.253227		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Li	7	
⎢	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	K	39	
⎢	Ca	44	
⎢>	Sc	45	107.879
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	107.176
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	106.764
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	106.343
⎢	Tl	205	
⎢	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL1
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 15:39:07
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 101

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-IBL1.062
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	159	21	13.4	0.000085	**0.0101**	ug/L
ê	Be	9	7	8	2	19.9	0.000000	**-0.0138**	ug/L
ê	B	11	551	1486	91	6.1	0.000638	**0.3387**	ug/L
ê	Na	23	7063	17077	197	1.2	0.006743	**0.0906**	ug/L
ê	Mg	24	264	1762	62	3.5	0.001058	**-0.7443**	ug/L
ê	Al	27	1705	3087	62	2.0	0.000886	**-0.0335**	ug/L
ê	K	39	743956	819857	7585	0.9	0.008018	**-0.6163**	ug/L
ê	Ca	44	6038	6523	40	0.6	-0.000029	**-1.1532**	ug/L
ê>	Sc	45	1282853	1394696	29477	2.1	1394695.749286		ug/L
ê	Ti	47	53	62	7	11.6	0.000003	**0.0043**	ug/L
ê	Ti	48	-206	-235	15	6.6	-0.000008	**0.0033**	ug/L
ê	V	51	56	73	6	8.4	0.000009	**-0.0034**	ug/L
ê	Cr	52	14940	17374	475	2.7	0.000819	**0.0541**	ug/L
ê	Cr	53	56	87	18	21.0	0.000019	**0.0052**	ug/L
ê	Mn	55	1243	1240	48	3.9	-0.000080	**-0.0071**	ug/L
ê	Fe	54	156113	173669	3208	1.8	0.002834	**1.2751**	ug/L
ê	Fe	57	10282	11868	78	0.7	0.000498	**0.9824**	ug/L
ê	Co	59	52	63	7	11.2	0.000004	**-0.0062**	ug/L
ê	Ni	60	52	48	6	12.6	-0.000006	**-0.0056**	ug/L
ë	Ni	62	131	162	16	9.9	0.000014	**-0.0040**	ug/L
é	Cu	65	14	25	5	20.0	0.000008	**-0.0045**	ug/L
ê	Cu	63	30	61	7	11.8	0.000023	**-0.0054**	ug/L
ê	Zn	66	41	140	11	7.9	0.000078	**0.0304**	ug/L
ê	Zn	68	535	652	36	5.5	0.000056	**0.0428**	ug/L
ê>	Ge	74	1136281	1236115	14041	1.1	1236115.269087		ug/L
ë	As	75	-132	-82	5	6.0	0.000050	**-0.0136**	ug/L
é	Se	77	98	90	5	5.0	-0.000012	**0.0222**	ug/L
ê	Se	82	10	7	4	54.7	-0.000003	**-0.0032**	ug/L
ê	Sr	88	124	136	7	5.3	0.000002	**0.0007**	ug/L
ê	Mo	95	14	26	7	26.9	0.000008	**0.0018**	ug/L
ê	Mo	97	12	16	3	16.5	0.000003	**0.0051**	ug/L
ê	Mo	98	19	32	11	34.1	0.000009	**0.0012**	ug/L
ê	Ag	107	5	9	1	13.3	0.000003	**-0.0014**	ug/L
ê	Ag	109	6	7	3	37.8	0.000001	**-0.0006**	ug/L
ê	Cd	111	3	3	1	43.3	-0.000001	**-0.0005**	ug/L
ê	Cd	114	35	31	6	19.4	-0.000005	**0.0011**	ug/L

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ê>	In	115	1206580	1294719	12053	0.9	1294719.330347		ug/L
ê	Sn	120	142	210	18	8.7	0.000044	**-0.0133**	ug/L
ê	Sb	121	8	16	4	25.8	0.000005	**0.0004**	ug/L
ë	Ba	138	38	57	8	13.2	0.000012	**-0.0033**	ug/L
é>	Tm	169	1101174	1171238	31171	2.7	1171238.016411		ug/L
ê	Tl	205	4	5	3	52.9	0.000001	**-0.0004**	ug/L
ê	Pb	208	25	64	6	9.8	0.000032	**-0.0006**	ug/L
ê	Bi	209	8	23	4	17.3	0.000013	**-0.0031**	ug/L
ê	Th	232	44	43	5	11.8	-0.000003	**0.0003**	ug/L
ë	U	238	0	0	1	173.2	-0.000000	**-0.0008**	ug/L
	C	13	43238	47296	292	0.6	4057.828642		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	108.718
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	108.786
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	107.305
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	106.363
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL2

Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 15:43:33
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 102

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-IBL2.063
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	140	20	14.2	0.000067	**0.0082**	ug/L
ê	Be	9	7	6	2	27.0	-0.000002	**-0.0149**	ug/L
ê	B	11	551	1276	23	1.8	0.000453	**0.2457**	ug/L
ê	Na	23	7063	127056	18566	14.6	0.082346	**3.7979**	ug/L
ê	Mg	24	264	1077	182	16.9	0.000539	**-0.7830**	ug/L
ê	Al	27	1705	3182	66	2.1	0.000871	**-0.0342**	ug/L
ê	K	39	743956	821635	4604	0.6	-0.011890	**-1.5139**	ug/L
ê	Ca	44	6038	6582	170	2.6	-0.000156	**-1.3628**	ug/L
ê>	Sc	45	1282853	1446467	5077	0.4	1446467.184365		ug/L
ê	Ti	47	53	73	8	11.1	0.000009	**0.0079**	ug/L
ê	Ti	48	-206	-242	29	12.0	-0.000007	**0.0033**	ug/L
ê	V	51	56	67	14	21.3	0.000003	**-0.0037**	ug/L
ê	Cr	52	14940	17566	375	2.1	0.000499	**0.0337**	ug/L
ê	Cr	53	56	67	21	30.9	0.000003	**-0.0040**	ug/L
ê	Mn	55	1243	1257	83	6.6	-0.000099	**-0.0081**	ug/L
ê	Fe	54	156113	177753	5686	3.2	0.001197	**-0.3143**	ug/L
ê	Fe	57	10282	11856	295	2.5	0.000182	**0.2032**	ug/L
ê	Co	59	52	58	7	11.7	-0.000000	**-0.0064**	ug/L
ê	Ni	60	52	45	4	10.0	-0.000009	**-0.0066**	ug/L
ë	Ni	62	131	168	16	9.6	0.000014	**-0.0043**	ug/L
é	Cu	65	14	19	3	13.9	0.000003	**-0.0057**	ug/L
ê	Cu	63	30	50	8	16.9	0.000013	**-0.0066**	ug/L
ê	Zn	66	41	90	1	1.1	0.000035	**0.0073**	ug/L
ê	Zn	68	535	632	18	2.8	0.000028	**0.0206**	ug/L
ê>	Ge	74	1136281	1265288	14231	1.1	1265287.619308		ug/L
ë	As	75	-132	-133	20	15.0	0.000011	**-0.0324**	ug/L
é	Se	77	98	110	14	12.6	0.000004	**0.1414**	ug/L
ê	Se	82	10	5	4	74.8	-0.000004	**-0.0118**	ug/L
ê	Sr	88	124	146	8	5.3	0.000010	**0.0011**	ug/L
ê	Mo	95	14	17	3	17.6	0.000002	**-0.0001**	ug/L
ê	Mo	97	12	11	6	50.6	-0.000001	**0.0033**	ug/L
ê	Mo	98	19	24	6	24.1	0.000003	**0.0001**	ug/L
ê	Ag	107	5	6	4	66.8	0.000000	**-0.0016**	ug/L
ê	Ag	109	6	6	3	53.9	-0.000000	**-0.0007**	ug/L
ê	Cd	111	3	3	2	57.7	-0.000000	**-0.0004**	ug/L
ê	Cd	114	35	30	4	14.8	-0.000006	**0.0010**	ug/L

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ê>	In	115	1206580	1296000	19833	1.5	1296000.082381		ug/L
ê	Sn	120	142	226	23	10.4	0.000056	**-0.0125**	ug/L
ê	Sb	121	8	18	2	8.6	0.000007	**0.0005**	ug/L
ë	Ba	138	38	55	15	27.9	0.000011	**-0.0033**	ug/L
é>	Tm	169	1101174	1192147	17783	1.5	1192147.346203		ug/L
ê	Tl	205	4	6	1	20.4	0.000001	**-0.0004**	ug/L
ê	Pb	208	25	50	9	17.9	0.000019	**-0.0009**	ug/L
ê	Bi	209	8	26	1	3.8	0.000015	**-0.0031**	ug/L
ê	Th	232	44	36	10	26.9	-0.000010	**0.0001**	ug/L
ë	U	238	0	1	1	100.0	0.000001	**-0.0007**	ug/L
	C	13	43238	47514	1146	2.4	4276.246799		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	112.754
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	111.353
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	107.411
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	108.261
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL3
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 15:48:00
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 103

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-IBL3.064
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	111	6	5.4	0.000046	**0.0060**	ug/L
ê	Be	9	7	6	1	9.1	-0.000001	**-0.0147**	ug/L
ê	B	11	551	1101	40	3.6	0.000321	**0.1792**	ug/L
ê	Na	23	7063	156232	921	0.6	0.100876	**4.7066**	ug/L
ê	Mg	24	264	3612	76	2.1	0.002254	**-0.6549**	ug/L
ê	Al	27	1705	3612	95	2.6	0.001130	**-0.0211**	ug/L
ê	K	39	743956	839960	6409	0.8	-0.007918	**-1.3348**	ug/L
ê	Ca	44	6038	6573	28	0.4	-0.000231	**-1.4857**	ug/L
ê>	Sc	45	1282853	1468829	25831	1.8	1468828.608233		ug/L
ê	Ti	47	53	77	17	21.7	0.000011	**0.0093**	ug/L
ê	Ti	48	-206	-208	7	3.4	0.000019	**0.0049**	ug/L
ê	V	51	56	75	16	21.0	0.000008	**-0.0035**	ug/L
ê	Cr	52	14940	17736	389	2.2	0.000430	**0.0293**	ug/L
ê	Cr	53	56	84	3	3.8	0.000014	**0.0022**	ug/L
ê	Mn	55	1243	1347	13	1.0	-0.000052	**-0.0057**	ug/L
ê	Fe	54	156113	179108	3080	1.7	0.000252	**-1.2327**	ug/L
ê	Fe	57	10282	12413	311	2.5	0.000437	**0.8330**	ug/L
ê	Co	59	52	56	11	19.3	-0.000003	**-0.0066**	ug/L
ê	Ni	60	52	63	10	16.1	0.000003	**-0.0033**	ug/L
ë	Ni	62	131	160	7	4.5	0.000007	**-0.0176**	ug/L
é	Cu	65	14	31	4	12.3	0.000011	**-0.0037**	ug/L
ê	Cu	63	30	87	20	22.9	0.000041	**-0.0034**	ug/L
ê	Zn	66	41	138	5	3.8	0.000071	**0.0267**	ug/L
ê	Zn	68	535	649	33	5.1	0.000031	**0.0231**	ug/L
ê>	Ge	74	1136281	1292056	25607	2.0	1292056.079527		ug/L
ë	As	75	-132	-182	39	21.6	-0.000025	**-0.0497**	ug/L
é	Se	77	98	123	12	9.4	0.000010	**0.1898**	ug/L
ê	Se	82	10	8	5	60.6	-0.000002	**-0.0019**	ug/L
ê	Sr	88	124	167	5	2.7	0.000021	**0.0016**	ug/L
ê	Mo	95	14	20	3	12.8	0.000003	**0.0003**	ug/L
ê	Mo	97	12	13	4	27.7	-0.000000	**0.0038**	ug/L
ê	Mo	98	19	24	7	27.1	0.000002	**0.0000**	ug/L
ê	Ag	107	5	5	3	53.9	-0.000001	**-0.0017**	ug/L
ê	Ag	109	6	7	4	47.9	0.000001	**-0.0006**	ug/L
ê	Cd	111	3	5	1	20.0	0.000001	**-0.0001**	ug/L
ê	Cd	114	35	31	7	23.0	-0.000006	**0.0010**	ug/L

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ê>	In	115	1206580	1350439	37114	2.7	1350438.899720		ug/L
ê	Sn	120	142	219	6	2.9	0.000044	**-0.0133**	ug/L
ê	Sb	121	8	18	6	33.2	0.000006	**0.0004**	ug/L
ë	Ba	138	38	86	10	11.2	0.000032	**-0.0028**	ug/L
é>	Tm	169	1101174	1218158	6613	0.5	1218158.262570		ug/L
ê	Tl	205	4	6	1	9.1	0.000002	**-0.0003**	ug/L
ê	Pb	208	25	130	5	3.6	0.000084	**0.0007**	ug/L
ê	Bi	209	8	27	6	20.1	0.000015	**-0.0031**	ug/L
ê	Th	232	44	43	5	12.3	-0.000004	**0.0003**	ug/L
ë	U	238	0	0	1	173.2	-0.000000	**-0.0008**	ug/L
	C	13	43238	47748	410	0.9	4510.332094		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	114.497
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	113.709
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	111.923
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	110.624
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL4

Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 15:52:26
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 104

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-IBL4.065
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	96	7	7.7	0.000034	**0.0046**	ug/L
ê	Be	9	7	7	3	49.5	-0.000001	**-0.0144**	ug/L
ê	B	11	551	963	51	5.3	0.000203	**0.1200**	ug/L
ê	Na	23	7063	12978	186	1.4	0.003007	**-0.0926**	ug/L
ê	Mg	24	264	657	27	4.2	0.000225	**-0.8064**	ug/L
ê	Al	27	1705	2443	75	3.1	0.000274	**-0.0646**	ug/L
ê	K	39	743956	856563	2028	0.2	-0.018027	**-1.7907**	ug/L
ê	Ca	44	6038	6605	82	1.2	-0.000374	**-1.7207**	ug/L
ê>	Sc	45	1282853	1524475	13231	0.9	1524475.485385		ug/L
ê	Ti	47	53	86	4	4.7	0.000015	**0.0117**	ug/L
ê	Ti	48	-206	-210	16	7.4	0.000022	**0.0051**	ug/L
ê	V	51	56	55	7	11.9	-0.000007	**-0.0043**	ug/L
ê	Cr	52	14940	18886	127	0.7	0.000743	**0.0493**	ug/L
ê	Cr	53	56	97	3	3.2	0.000020	**0.0060**	ug/L
ê	Mn	55	1243	1359	61	4.5	-0.000078	**-0.0070**	ug/L
ê	Fe	54	156113	190119	1509	0.8	0.003030	**1.4652**	ug/L
ê	Fe	57	10282	12850	296	2.3	0.000414	**0.7759**	ug/L
ê	Co	59	52	62	7	10.6	-0.000000	**-0.0064**	ug/L
ê	Ni	60	52	54	8	14.7	-0.000005	**-0.0055**	ug/L
ë	Ni	62	131	162	23	14.4	0.000004	**-0.0226**	ug/L
é	Cu	65	14	16	4	21.5	0.000000	**-0.0064**	ug/L
ê	Cu	63	30	35	4	10.3	-0.000000	**-0.0080**	ug/L
ê	Zn	66	41	95	10	10.0	0.000036	**0.0078**	ug/L
ê	Zn	68	535	632	52	8.2	0.000008	**0.0050**	ug/L
ê>	Ge	74	1136281	1318624	17500	1.3	1318623.719791		ug/L
ë	As	75	-132	-164	25	15.3	-0.000008	**-0.0416**	ug/L
é	Se	77	98	114	1	0.5	0.000003	**0.1314**	ug/L
ê	Se	82	10	4	14	342.0	-0.000005	**-0.0169**	ug/L
ê	Sr	88	124	136	15	11.1	-0.000003	**0.0005**	ug/L
ê	Mo	95	14	13	3	20.4	-0.000002	**-0.0012**	ug/L
ê	Mo	97	12	13	2	16.4	-0.000000	**0.0037**	ug/L
ê	Mo	98	19	29	11	39.9	0.000005	**0.0005**	ug/L
ê	Ag	107	5	6	2	27.0	0.000000	**-0.0016**	ug/L
ê	Ag	109	6	5	2	49.5	-0.000001	**-0.0007**	ug/L
ê	Cd	111	3	3	1	43.3	-0.000001	**-0.0005**	ug/L
ê	Cd	114	35	36	7	19.9	-0.000002	**0.0014**	ug/L

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ê>	In	115	1206580	1366809	20102	1.5	1366808.515114		ug/L
ê	Sn	120	142	247	24	9.6	0.000063	**-0.0121**	ug/L
ê	Sb	121	8	17	5	31.1	0.000005	**0.0004**	ug/L
ë	Ba	138	38	68	1	0.8	0.000018	**-0.0031**	ug/L
é>	Tm	169	1101174	1246094	22288	1.8	1246094.319048		ug/L
ê	Tl	205	4	7	2	28.6	0.000002	**-0.0003**	ug/L
ê	Pb	208	25	55	3	4.5	0.000021	**-0.0008**	ug/L
ê	Bi	209	8	16	3	16.1	0.000005	**-0.0034**	ug/L
ê	Th	232	44	38	6	14.4	-0.000009	**0.0001**	ug/L
ë	U	238	0	1	1	86.6	0.000000	**-0.0007**	ug/L
	C	13	43238	49013	228	0.5	5775.269109		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Li	7	
⎢	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	K	39	
⎢	Ca	44	
⎢>	Sc	45	118.835
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	116.047
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	113.280
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	113.161
⎢	Tl	205	
⎢	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV1
Sample Description: 5x
Batch ID:

Sample Date/Time: Monday, April 07, 2014 15:56:52
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 105

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-SCV1.066
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	1207	7	0.6	0.000761	**0.4167**	ug/L
ê	Be	9	7	1257	14	1.1	0.000817	**2.7789**	ug/L
ê	B	11	551	176676	1169	0.7	0.115215	**289.8639**	ug/L
ê	Na	23	7063	18538133	202848	1.1	12.129968	**2972.8778**	ug/L
ê	Mg	24	264	4154983	18563	0.4	2.718985	**1011.2650**	ug/L
ê	Al	27	1705	320584	2073	0.6	0.208493	**52.6501**	ug/L
ê	K	39	743956	4693750	76866	1.6	2.492696	**557.1073**	ug/L
ê	Ca	44	6038	1028088	12561	1.2	0.668051	**5481.3839**	ug/L
ê>	Sc	45	1282853	1528743	44131	2.9	1528743.499039		ug/L
ê	Ti	47	53	388	29	7.5	0.000213	**0.6888**	ug/L
ê	Ti	48	-206	5224	1381	26.4	0.003592	**1.1083**	ug/L
ê	V	51	56	82543	1436	1.7	0.053999	**14.5270**	ug/L
ê	Cr	52	14940	198008	816	0.4	0.117946	**37.5446**	ug/L
ê	Cr	53	56	20546	376	1.8	0.013408	**38.2011**	ug/L
ê	Mn	55	1243	238138	3938	1.7	0.154883	**38.6738**	ug/L
ê	Fe	54	156113	184175	1497	0.8	-0.001159	**-13.0118**	ug/L
ê	Fe	57	10282	16969	59	0.3	0.003091	**36.9577**	ug/L
ê	Co	59	52	100823	1834	1.8	0.065933	**19.5845**	ug/L
ê	Ni	60	52	27207	728	2.7	0.017761	**24.0670**	ug/L
ë	Ni	62	131	4142	39	0.9	0.002609	**23.9419**	ug/L
é	Cu	65	14	97411	983	1.0	0.072237	**85.8972**	ug/L
ê	Cu	63	30	202974	1693	0.8	0.150529	**84.3993**	ug/L
ê	Zn	66	41	26948	292	1.1	0.019954	**54.3560**	ug/L
ê	Zn	68	535	22695	35	0.2	0.016361	**63.9876**	ug/L
ê>	Ge	74	1136281	1348558	23419	1.7	1348557.863009		ug/L
ë	As	75	-132	4255	205	4.8	0.003271	**7.7154**	ug/L
é	Se	77	98	833	39	4.7	0.000524	**20.3787**	ug/L
ê	Se	82	10	983	47	4.7	0.000706	**19.7624**	ug/L
ê	Sr	88	124	792194	7422	0.9	0.575258	**123.5188**	ug/L
ê	Mo	95	14	44915	100	0.2	0.032611	**46.4099**	ug/L
ê	Mo	97	12	27456	593	2.2	0.019932	**45.9536**	ug/L
ê	Mo	98	19	72318	1500	2.1	0.052512	**46.5855**	ug/L
ê	Ag	107	5	28181	384	1.4	0.020465	**8.4414**	ug/L
ê	Ag	109	6	34872	509	1.5	0.025327	**8.1831**	ug/L
ê	Cd	111	3	4091	55	1.3	0.002969	**3.8569**	ug/L
ê	Cd	114	35	9391	59	0.6	0.006792	**3.8129**	ug/L

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ê>	In	115	1206580	1377053	22932	1.7	1377052.510163		ug/L
ê	Sn	120	142	548	53	9.6	0.000280	**0.0063**	ug/L
ê	Sb	121	8	14885	64	0.4	0.010804	**4.8390**	ug/L
ë	Ba	138	38	1582318	9773	0.6	1.149163	**141.6861**	ug/L
é>	Tm	169	1101174	1236476	18154	1.5	1236476.319055		ug/L
ê	Tl	205	4	12328	227	1.8	0.009969	**1.6129**	ug/L
ê	Pb	208	25	121199	527	0.4	0.098007	**12.2766**	ug/L
ê	Bi	209	8	19	3	15.5	0.000008	**-0.0165**	ug/L
ê	Th	232	44	45	4	7.7	-0.000003	**0.0015**	ug/L
ë	U	238	0	235423	4669	2.0	0.190436	**25.4512**	ug/L
	C	13	43238	55406	292	0.5	12168.236847		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	119.167
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	118.682
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	114.129
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	112.287
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV2
Sample Description: 5x
Batch ID:

Sample Date/Time: Monday, April 07, 2014 16:01:18
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 106

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-SCV2.067
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	154	18	11.3	0.000071	**0.0430**	ug/L
ê	Be	9	7	12	2	13.1	0.000002	**-0.0620**	ug/L
ê	B	11	551	1599	166	10.4	0.000607	**1.6170**	ug/L
ê	Na	23	7063	886444	21399	2.4	0.567647	**137.9780**	ug/L
ê	Mg	24	264	42420006	706185	1.7	27.436684	**10241.8738**	ug/L
ê	Al	27	1705	43687	1068	2.4	0.026941	**6.4612**	ug/L
ê	K	39	743956	920500	7129	0.8	0.015598	**-1.3723**	ug/L
ê	Ca	44	6038	9801737	137863	1.4	6.333933	**52017.0908**	ug/L
ê>	Sc	45	1282853	1546777	44022	2.8	1546776.931913		ug/L
ê	Ti	47	53	101	13	13.1	0.000025	**0.0889**	ug/L
ê	Ti	48	-206	51551	1125	2.2	0.033511	**10.1836**	ug/L
ê	V	51	56	4655	157	3.4	0.002969	**0.7805**	ug/L
ê	Cr	52	14940	20915	830	4.0	0.001875	**0.6065**	ug/L
ê	Cr	53	56	1507	48	3.2	0.000932	**2.6286**	ug/L
ê	Mn	55	1243	3115	25	0.8	0.001046	**0.2457**	ug/L
ê	Fe	54	156113	167828	4749	2.8	-0.013190	**-71.4334**	ug/L
ê	Fe	57	10282	10649	859	8.1	-0.001137	**-15.2818**	ug/L
ê	Co	59	52	436	40	9.2	0.000241	**0.0396**	ug/L
ê	Ni	60	52	-1897	93	4.9	-0.001268	**-1.7406**	ug/L
ë	Ni	62	131	201	11	5.3	0.000028	**0.1054**	ug/L
é	Cu	65	14	446	45	10.2	0.000323	**0.3518**	ug/L
ê	Cu	63	30	661	9	1.3	0.000470	**0.2238**	ug/L
ê	Zn	66	41	484	19	3.9	0.000328	**0.8343**	ug/L
ê	Zn	68	535	851	6	0.7	0.000168	**0.6512**	ug/L
ê>	Ge	74	1136281	1331061	13432	1.0	1331061.402155		ug/L
ë	As	75	-132	-109	37	33.7	0.000035	**-0.1051**	ug/L
é	Se	77	98	202	10	4.7	0.000064	**2.9615**	ug/L
ê	Se	82	10	29	5	18.1	0.000012	**0.4028**	ug/L
ê	Sr	88	124	189388	2668	1.4	0.135078	**29.0064**	ug/L
ê	Mo	95	14	35	9	26.2	0.000013	**0.0160**	ug/L
ê	Mo	97	12	16	1	7.1	0.000002	**0.0239**	ug/L
ê	Mo	98	19	44	8	18.1	0.000015	**0.0117**	ug/L
ê	Ag	107	5	6	2	32.9	0.000000	**-0.0080**	ug/L
ê	Ag	109	6	9	2	19.2	0.000002	**-0.0027**	ug/L
ê	Cd	111	3	32	1	3.6	0.000020	**0.0243**	ug/L
ê	Cd	114	35	117	9	7.5	0.000055	**0.0390**	ug/L

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ê>	In	115	1206580	1401286	33848	2.4	1401285.814007		ug/L
ê	Sn	120	142	242	77	31.6	0.000056	**-0.0628**	ug/L
ê	Sb	121	8	77	3	3.4	0.000048	**0.0210**	ug/L
ë	Ba	138	38	14833	50	0.3	0.010557	**1.2839**	ug/L
é>	Tm	169	1101174	1267682	20325	1.6	1267682.232714		ug/L
ê	Tl	205	4	99	8	7.7	0.000074	**0.0101**	ug/L
ê	Pb	208	25	540	29	5.4	0.000403	**0.0436**	ug/L
ê	Bi	209	8	17	7	38.4	0.000006	**-0.0167**	ug/L
ê	Th	232	44	39	6	15.4	-0.000009	**0.0007**	ug/L
ë	U	238	0	37	26	68.9	0.000029	**0.0001**	ug/L
	C	13	43238	52017	848	1.6	8778.542839		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	120.573
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	117.142
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	116.137
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	115.121
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV3

Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 17:10:57
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 107

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-SCV3.078
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	542315	8466	1.6	0.424716	**45.9854**	ug/L
ê	Be	9	7	6998	130	1.9	0.005475	**3.8016**	ug/L
ê	B	11	551	469662	14631	3.1	0.367276	**184.7627**	ug/L
ê	Na	23	7063	50152817	882863	1.8	39.273260	**1925.5976**	ug/L
ê	Mg	24	264	13347626	260710	2.0	10.453193	**779.9074**	ug/L
ê	Al	27	1705	4812151	23734	0.5	3.767030	**191.5963**	ug/L
ê	K	39	743956	11456214	305475	2.7	8.393586	**377.5011**	ug/L
ê	Ca	44	6038	7431965	130986	1.8	5.814597	**9550.3228**	ug/L
ê>	Sc	45	1282853	1277152	21162	1.7	1277151.876484		ug/L
ê	Ti	47	53	38192	833	2.2	0.029869	**19.0641**	ug/L
ê	Ti	48	-206	439662	15388	3.5	0.344430	**20.8986**	ug/L
ê	V	51	56	461979	5599	1.2	0.361779	**19.4876**	ug/L
ê	Cr	52	14940	942537	5600	0.6	0.726529	**46.2438**	ug/L
ê	Cr	53	56	107700	1070	1.0	0.084296	**48.0626**	ug/L
ê	Mn	55	1243	243650	3727	1.5	0.189810	**9.4797**	ug/L
ê	Fe	54	156113	1415415	15533	1.1	0.986700	**956.7942**	ug/L
ê	Fe	57	10282	500640	13107	2.6	0.384100	**949.0013**	ug/L
ê	Co	59	52	203310	3258	1.6	0.159167	**9.4647**	ug/L
ê	Ni	60	52	89642	2700	3.0	0.070145	**19.0219**	ug/L
ë	Ni	62	131	13437	259	1.9	0.010422	**19.2145**	ug/L
é	Cu	65	14	90626	2916	3.2	0.080213	**19.0770**	ug/L
ê	Cu	63	30	191283	5543	2.9	0.169272	**18.9825**	ug/L
ê	Zn	66	41	40823	782	1.9	0.036097	**19.6764**	ug/L
ê	Zn	68	535	29068	282	1.0	0.025253	**19.7532**	ug/L
ê>	Ge	74	1136281	1130462	24676	2.2	1130461.997835		ug/L
ë	As	75	-132	45086	356	0.8	0.040008	**19.2965**	ug/L
é	Se	77	98	6108	74	1.2	0.004948	**37.5703**	ug/L
ê	Se	82	10	8145	120	1.5	0.006697	**37.4022**	ug/L
ê	Sr	88	124	523688	5231	1.0	0.431099	**18.5132**	ug/L
ê	Mo	95	14	8104	155	1.9	0.006661	**1.8954**	ug/L
ê	Mo	97	12	4873	102	2.1	0.004002	**1.8485**	ug/L
ê	Mo	98	19	12402	222	1.8	0.010197	**1.8088**	ug/L
ê	Ag	107	5	48238	724	1.5	0.039709	**3.2773**	ug/L
ê	Ag	109	6	62278	1114	1.8	0.051261	**3.3131**	ug/L
ê	Cd	111	3	8888	65	0.7	0.007314	**1.9008**	ug/L
ê	Cd	114	35	20775	333	1.6	0.017077	**1.9149**	ug/L

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ê>	In	115	1206580	1214787	18251	1.5	1214786.810948		ug/L
ê	Sn	120	142	187076	4972	2.7	0.153896	**9.4758**	ug/L
ê	Sb	121	8	53095	761	1.4	0.043702	**3.9149**	ug/L
ë	Ba	138	38	469553	5310	1.1	0.386514	**9.5287**	ug/L
é>	Tm	169	1101174	1115564	19218	1.7	1115563.816218		ug/L
ê	Tl	205	4	33145	798	2.4	0.029711	**0.9621**	ug/L
ê	Pb	208	25	430138	3055	0.7	0.385601	**9.6643**	ug/L
ê	Bi	209	8	329712	4649	1.4	0.295562	**9.6400**	ug/L
ê	Th	232	44	81110	1188	1.5	0.072673	**1.9126**	ug/L
ë	U	238	0	80772	1278	1.6	0.072418	**1.9352**	ug/L
	C	13	43238	47152	965	2.0	3913.706377		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Li	7	
⎢	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	K	39	
⎢	Ca	44	
⎢>	Sc	45	99.556
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	99.488
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	100.680
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	101.307
⎢	Tl	205	
⎢	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IFA1
Sample Description: 200x
Batch ID:

Sample Date/Time: Monday, April 07, 2014 17:15:23
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 0.05
Autosampler Position: 108

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-IFA1.079
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	208	52	24.8	0.000130	**2.9914**	ug/L
ê	Be	9	7	6	4	62.0	-0.000001	**-2.9292**	ug/L
ê	B	11	551	1444	299	20.7	0.000674	**71.3601**	ug/L
ê	Na	23	7063	62018782	1035711	1.7	47.374783	**464574.1727**	ug/L
ê	Mg	24	264	42068824	935828	2.2	32.137054	**479887.4249**	ug/L
ê	Al	27	1705	61381075	1109109	1.8	46.889570	**477153.4949**	ug/L
ê	K	39	743956	68977159	621432	0.9	52.125437	**469886.6982**	ug/L
ê	Ca	44	6038	1876863	51088	2.7	1.428980	**469245.6703**	ug/L
ê>	Sc	45	1282853	1308961	16179	1.2	1308960.551674		ug/L
ê	Ti	47	53	106752	976	0.9	0.081517	**10405.0858**	ug/L
ê	Ti	48	-206	1028898	5083	0.5	0.786274	**9540.5756**	ug/L
ê	V	51	56	2931	118	4.0	0.002195	**22.8822**	ug/L
ê	Cr	52	14940	14792	251	1.7	-0.000345	**-3.9963**	ug/L
ê	Cr	53	56	951	20	2.1	0.000683	**76.7646**	ug/L
ê	Mn	55	1243	3031	106	3.5	0.001347	**12.8350**	ug/L
ê	Fe	54	156113	3463928	21581	0.6	2.525027	**490159.9971**	ug/L
ê	Fe	57	10282	1278086	25667	2.0	0.968438	**478621.4573**	ug/L
ê	Co	59	52	1097	33	3.0	0.000797	**8.2049**	ug/L
ê	Ni	60	52	-271	21	7.7	-0.000247	**-14.2420**	ug/L
ë	Ni	62	131	315	32	10.3	0.000138	**45.0043**	ug/L
é	Cu	65	14	290	24	8.1	0.000238	**10.0343**	ug/L
ê	Cu	63	30	951	39	4.1	0.000793	**16.1922**	ug/L
ê	Zn	66	41	467	9	1.8	0.000366	**37.5439**	ug/L
ê	Zn	68	535	646	54	8.3	0.000085	**13.1040**	ug/L
ê>	Ge	74	1136281	1160900	17809	1.5	1160899.953359		ug/L
ë	As	75	-132	-59	13	22.2	0.000065	**-1.2451**	ug/L
é	Se	77	98	135	11	8.4	0.000029	**65.7300**	ug/L
ê	Se	82	10	6	16	267.0	-0.000003	**-1.2136**	ug/L
ê	Sr	88	124	411	30	7.4	0.000231	**2.1091**	ug/L
ê	Mo	95	14	208775	1001	0.5	0.169213	**9632.8142**	ug/L
ê	Mo	97	12	130786	2346	1.8	0.105993	**9771.4002**	ug/L
ê	Mo	98	19	350076	4378	1.3	0.283726	**10068.5666**	ug/L
ê	Ag	107	5	146	4	2.4	0.000114	**1.5638**	ug/L
ê	Ag	109	6	186	5	2.4	0.000146	**1.7635**	ug/L
ê	Cd	111	3	351	7	2.1	0.000282	**14.5992**	ug/L
ê	Cd	114	35	650	23	3.5	0.000498	**11.4941**	ug/L

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ê>	In	115	1206580	1233749	6271	0.5	1233749.374974		ug/L
ê	Sn	120	142	305	26	8.5	0.000129	**-1.6056**	ug/L
ê	Sb	121	8	342	29	8.4	0.000270	**4.8221**	ug/L
ë	Ba	138	38	8749	76	0.9	0.007059	**34.1036**	ug/L
é>	Tm	169	1101174	1126194	6953	0.6	1126193.526773		ug/L
ê	Tl	205	4	124	10	7.8	0.000106	**0.6108**	ug/L
ê	Pb	208	25	423	12	2.8	0.000352	**1.4892**	ug/L
ê	Bi	209	8	350	23	6.7	0.000304	**1.2701**	ug/L
ê	Th	232	44	81	8	10.1	0.000032	**0.2443**	ug/L
ë	U	238	0	15	3	16.4	0.000013	**-0.0790**	ug/L
	C	13	43238	52754	316	0.6	9516.226133		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	102.035
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	102.167
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	102.252
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	102.272
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IFB1
Sample Description: 200x
Batch ID:

Sample Date/Time: Monday, April 07, 2014 17:19:49
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 0.05
Autosampler Position: 109

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-IFB1.080
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	118	45	38.0	0.000063	**1.5591**	ug/L
ê	Be	9	7	6	1	9.1	-0.000000	**-2.8302**	ug/L
ê	B	11	551	812	144	17.7	0.000211	**24.8702**	ug/L
ê	Na	23	7063	62025725	4752094	7.7	49.120170	**481691.8330**	ug/L
ê	Mg	24	264	40756189	1964980	4.8	32.319026	**482605.6609**	ug/L
ê	Al	27	1705	58919435	3940912	6.7	46.687361	**475095.7235**	ug/L
ê	K	39	743956	66662576	5876338	8.8	52.242939	**470946.3670**	ug/L
ê	Ca	44	6038	1835962	142901	7.8	1.449573	**476011.1898**	ug/L
ê>	Sc	45	1282853	1262297	86157	6.8	1262296.962924		ug/L
ê	Ti	47	53	103533	7300	7.1	0.081972	**10463.2563**	ug/L
ê	Ti	48	-206	990593	39397	4.0	0.786088	**9538.3271**	ug/L
ê	V	51	56	25760	1591	6.2	0.020377	**218.7947**	ug/L
ê	Cr	52	14940	23374	1890	8.1	0.006866	**87.7919**	ug/L
ê	Cr	53	56	2074	117	5.6	0.001601	**181.4655**	ug/L
ê	Mn	55	1243	15253	725	4.8	0.011127	**110.5514**	ug/L
ê	Fe	54	156113	3411754	162783	4.8	2.583776	**501571.2509**	ug/L
ê	Fe	57	10282	1263486	64266	5.1	0.994187	**491348.5451**	ug/L
ê	Co	59	52	22055	1328	6.0	0.017441	**206.2846**	ug/L
ê	Ni	60	52	4432	345	7.8	0.003470	**187.4061**	ug/L
ë	Ni	62	131	996	111	11.2	0.000686	**247.1369**	ug/L
é	Cu	65	14	2626	138	5.3	0.002253	**105.9341**	ug/L
ê	Cu	63	30	5850	222	3.8	0.005022	**111.0949**	ug/L
ê	Zn	66	41	1556	71	4.5	0.001307	**140.1508**	ug/L
ê	Zn	68	535	1389	69	4.9	0.000727	**113.5008**	ug/L
ê>	Ge	74	1136281	1158972	39643	3.4	1158972.080758		ug/L
ë	As	75	-132	1007	111	11.1	0.000985	**87.6591**	ug/L
é	Se	77	98	233	17	7.2	0.000114	**194.6531**	ug/L
ê	Se	82	10	108	8	7.3	0.000082	**93.7027**	ug/L
ê	Sr	88	124	380	28	7.2	0.000215	**1.9747**	ug/L
ê	Mo	95	14	204108	15473	7.6	0.170387	**9699.6660**	ug/L
ê	Mo	97	12	125932	7358	5.8	0.105153	**9693.9900**	ug/L
ê	Mo	98	19	331854	15366	4.6	0.277197	**9836.8503**	ug/L
ê	Ag	107	5	7454	537	7.2	0.006219	**102.3794**	ug/L
ê	Ag	109	6	9512	604	6.4	0.007940	**102.5298**	ug/L
ê	Cd	111	3	1424	78	5.5	0.001187	**61.6241**	ug/L
ê	Cd	114	35	3189	136	4.3	0.002635	**59.3746**	ug/L

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ê>	In	115	1206580	1196824	36713	3.1	1196824.103985		ug/L
ê	Sn	120	142	286	8	2.7	0.000121	**-1.7059**	ug/L
ê	Sb	121	8	333	8	2.3	0.000271	**4.8417**	ug/L
ë	Ba	138	38	431	42	9.6	0.000328	**0.9031**	ug/L
é>	Tm	169	1101174	1119070	44846	4.0	1119069.861526		ug/L
ê	Tl	205	4	16	5	30.2	0.000010	**-0.0108**	ug/L
ê	Pb	208	25	553	43	7.7	0.000471	**2.0856**	ug/L
ê	Bi	209	8	1086	99	9.1	0.000963	**5.5715**	ug/L
ê	Th	232	44	116	13	11.5	0.000064	**0.4139**	ug/L
ë	U	238	0	8	7	87.5	0.000007	**-0.1143**	ug/L
	C	13	43238	52391	1088	2.1	9152.917984		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Li	7	
	Be	9	
	B	11	
	Na	23	
	Mg	24	
	Al	27	
	K	39	
	Ca	44	
>	Sc	45	98.398
	Ti	47	
	Ti	48	
	V	51	
	Cr	52	
	Cr	53	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Ni	62	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	101.997
	As	75	
	Se	77	
	Se	82	
	Sr	88	
	Mo	95	
	Mo	97	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	99.191
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	101.625
	Tl	205	
	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV1

Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 19:23:44
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCV1.107
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	26296	485	1.8	0.026346	**2.8535**	ug/L
ê	Be	9	7	4715	55	1.2	0.004723	**3.2771**	ug/L
ê	B	11	551	78682	3218	4.1	0.078494	**39.5016**	ug/L
ê	Na	23	7063	6299981	7715	0.1	6.312344	**309.2975**	ug/L
ê	Mg	24	264	4283871	110481	2.6	4.294709	**319.9410**	ug/L
ê	Al	27	1705	595595	3900	0.7	0.595920	**30.2432**	ug/L
ê	K	39	743956	7168988	120260	1.7	6.609989	**297.0762**	ug/L
ê	Ca	44	6038	363557	7026	1.9	0.359857	**590.0185**	ug/L
ê>	Sc	45	1282853	997321	14715	1.5	997321.449581		ug/L
ê	Ti	47	53	6351	158	2.5	0.006327	**4.0397**	ug/L
ê	Ti	48	-206	68945	422	0.6	0.069298	**4.2077**	ug/L
ê	V	51	56	60905	697	1.1	0.061041	**3.2848**	ug/L
ê	Cr	52	14940	56840	1136	2.0	0.045363	**2.8892**	ug/L
ê	Cr	53	56	6740	214	3.2	0.006717	**3.8246**	ug/L
ê	Mn	55	1243	26781	117	0.4	0.025889	**1.2903**	ug/L
ê	Fe	54	156113	227275	1332	0.6	0.106237	**101.6991**	ug/L
ê	Fe	57	10282	50614	1113	2.2	0.042748	**105.3983**	ug/L
ê	Co	59	52	35829	333	0.9	0.035891	**2.1293**	ug/L
ê	Ni	60	52	16245	695	4.3	0.016254	**4.4046**	ug/L
ë	Ni	62	131	2428	76	3.1	0.002332	**4.2763**	ug/L
é	Cu	65	14	9700	176	1.8	0.010110	**2.3989**	ug/L
ê	Cu	63	30	20751	654	3.1	0.021629	**2.4186**	ug/L
ê	Zn	66	41	7327	108	1.5	0.007611	**4.1392**	ug/L
ê	Zn	68	535	5441	68	1.2	0.005207	**4.0722**	ug/L
ê>	Ge	74	1136281	958243	6623	0.7	958243.441049		ug/L
ë	As	75	-132	10657	89	0.8	0.011238	**5.3929**	ug/L
é	Se	77	98	1392	26	1.8	0.001276	**9.7693**	ug/L
ê	Se	82	10	1675	10	0.6	0.001625	**9.0832**	ug/L
ê	Sr	88	124	21450	398	1.9	0.020804	**0.8940**	ug/L
ê	Mo	95	14	1986	35	1.8	0.001925	**0.5473**	ug/L
ê	Mo	97	12	1219	7	0.6	0.001179	**0.5472**	ug/L
ê	Mo	98	19	3192	45	1.4	0.003095	**0.5488**	ug/L
ê	Ag	107	5	4776	44	0.9	0.004651	**0.3824**	ug/L
ê	Ag	109	6	6486	49	0.8	0.006317	**0.4077**	ug/L
ê	Cd	111	3	1602	39	2.5	0.001559	**0.4050**	ug/L
ê	Cd	114	35	3804	137	3.6	0.003678	**0.4137**	ug/L

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ê>	In	115	1206580	1026186	16192	1.6	1026185.976054		ug/L
ê	Sn	120	142	49650	483	1.0	0.048270	**2.9611**	ug/L
ê	Sb	121	8	4942	87	1.8	0.004811	**0.4309**	ug/L
ë	Ba	138	38	43654	597	1.4	0.042521	**1.0451**	ug/L
é>	Tm	169	1101174	986762	12159	1.2	986762.238598		ug/L
ê	Tl	205	4	6198	25	0.4	0.006279	**0.2030**	ug/L
ê	Pb	208	25	20191	192	1.0	0.020442	**0.5110**	ug/L
ê	Bi	209	8	31062	288	0.9	0.031473	**1.0233**	ug/L
ê	Th	232	44	15033	191	1.3	0.015198	**0.4003**	ug/L
ë	U	238	0	7455	56	0.8	0.007556	**0.2012**	ug/L
	C	13	43238	51343	1287	2.5	8105.135085		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	77.742
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	84.332
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	85.049
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	89.610
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB1

Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 19:28:10
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCB1.108
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37	45	9	20.4	0.000015	**0.0026**	ug/L
ê	Be	9	7	3	2	62.4	-0.000002	**-0.0154**	ug/L
ê	B	11	551	677	61	9.1	0.000236	**0.1366**	ug/L
ê	Na	23	7063	13688	4602	33.6	0.007975	**0.1510**	ug/L
ê	Mg	24	264	612	466	76.3	0.000400	**-0.7934**	ug/L
ê	Al	27	1705	2804	940	33.5	0.001435	**-0.0055**	ug/L
ê	K	39	743956	640800	12292	1.9	0.048708	**1.2186**	ug/L
ê	Ca	44	6038	5161	59	1.1	0.000357	**-0.5196**	ug/L
ê>	Sc	45	1282853	1019755	30086	3.0	1019754.535442		ug/L
ê	Ti	47	53	71	6	9.1	0.000028	**0.0201**	ug/L
ê	Ti	48	-206	72	96	132.7	0.000232	**0.0178**	ug/L
ê	V	51	56	2739	205	7.5	0.002645	**0.1386**	ug/L
ê	Cr	52	14940	9851	263	2.7	-0.001982	**-0.1242**	ug/L
ê	Cr	53	56	872	65	7.4	0.000812	**0.4575**	ug/L
ê	Mn	55	1243	1154	53	4.6	0.000164	**0.0051**	ug/L
ê	Fe	54	156113	118792	1589	1.3	-0.005112	**-6.4416**	ug/L
ê	Fe	57	10282	7684	67	0.9	-0.000476	**-1.4229**	ug/L
ê	Co	59	52	50	6	11.5	0.000009	**-0.0059**	ug/L
ê	Ni	60	52	39	9	23.9	-0.000002	**-0.0047**	ug/L
ë	Ni	62	131	81	3	4.3	-0.000023	**-0.0719**	ug/L
é	Cu	65	14	31	5	15.7	0.000021	**-0.0015**	ug/L
ê	Cu	63	30	54	6	11.4	0.000030	**-0.0047**	ug/L
ê	Zn	66	41	70	7	10.3	0.000038	**0.0087**	ug/L
ê	Zn	68	535	391	9	2.2	-0.000061	**-0.0493**	ug/L
ê>	Ge	74	1136281	954290	11647	1.2	954290.492610		ug/L
ë	As	75	-132	-43	50	116.1	0.000071	**-0.0035**	ug/L
é	Se	77	98	112	16	14.6	0.000026	**0.3083**	ug/L
ê	Se	82	10	8	6	75.4	-0.000000	**0.0091**	ug/L
ê	Sr	88	124	131	54	41.0	0.000023	**0.0016**	ug/L
ê	Mo	95	14	13	6	43.5	0.000000	**-0.0004**	ug/L
ê	Mo	97	12	7	1	17.3	-0.000003	**0.0023**	ug/L
ê	Mo	98	19	15	2	14.7	-0.000001	**-0.0006**	ug/L
ê	Ag	107	5	8	4	45.4	0.000004	**-0.0013**	ug/L
ê	Ag	109	6	12	5	40.5	0.000006	**-0.0002**	ug/L
ê	Cd	111	3	3	3	88.2	0.000000	**-0.0003**	ug/L
ê	Cd	114	35	23	1	2.8	-0.000007	**0.0009**	ug/L

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ê>	In	115	1206580	1051394	17204	1.6	1051394.371590		ug/L
ê	Sn	120	142	257	27	10.5	0.000126	**-0.0082**	ug/L
ê	Sb	121	8	16	1	3.7	0.000008	**0.0006**	ug/L
ë	Ba	138	38	74	19	25.8	0.000039	**-0.0026**	ug/L
é>	Tm	169	1101174	995811	18236	1.8	995810.777481		ug/L
ê	Tl	205	4	5	2	28.6	0.000002	**-0.0003**	ug/L
ê	Pb	208	25	48	8	17.1	0.000025	**-0.0008**	ug/L
ê	Bi	209	8	24	3	13.6	0.000017	**-0.0030**	ug/L
ê	Th	232	44	68	10	15.4	0.000029	**0.0011**	ug/L
ë	U	238	0	1	2	173.2	0.000001	**-0.0007**	ug/L
	C	13	43238	48404	709	1.5	5166.208208		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	79.491
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	83.984
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	87.138
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	90.432
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV2
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 20:04:08
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCV2.117
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	5212	124	2.4	0.004724	**3.2780**	ug/L
ê	B	11	551	88567	4863	5.5	0.079903	**40.2102**	ug/L
ê	Na	23	7063	6840231	156280	2.3	6.201542	**303.8641**	ug/L
ê	Mg	24	264	4650592	149322	3.2	4.219086	**314.2929**	ug/L
ê	Al	27	1705	652142	5919	0.9	0.590483	**29.9665**	ug/L
ê	K	39	743956	8094402	91892	1.1	6.765650	**304.0951**	ug/L
ê	Ca	44	6038	406089	20357	5.0	0.363693	**596.3187**	ug/L
ê>	Sc	45	1282853	1102081	19006	1.7	1102081.073003		ug/L
ê	Ti	47	53	6921	280	4.0	0.006239	**3.9836**	ug/L
ê	Ti	48	-206	72602	1777	2.4	0.066068	**4.0118**	ug/L
ê	V	51	56	62472	956	1.5	0.056654	**3.0485**	ug/L
ê	Cr	52	14940	62784	1669	2.7	0.045318	**2.8863**	ug/L
ê	Cr	53	56	5951	120	2.0	0.005358	**3.0499**	ug/L
ê	Mn	55	1243	29100	545	1.9	0.025441	**1.2679**	ug/L
ê	Fe	54	156113	248810	6353	2.6	0.104158	**99.6802**	ug/L
ê	Fe	57	10282	55478	809	1.5	0.042327	**104.3586**	ug/L
ê	Co	59	52	39740	925	2.3	0.036017	**2.1367**	ug/L
ê	Ni	60	52	17710	377	2.1	0.016029	**4.3435**	ug/L
ë	Ni	62	131	2697	76	2.8	0.002346	**4.3026**	ug/L
é	Cu	65	14	10711	92	0.9	0.010212	**2.4231**	ug/L
ê	Cu	63	30	22735	358	1.6	0.021672	**2.4234**	ug/L
ê	Zn	66	41	8050	134	1.7	0.007647	**4.1588**	ug/L
ê	Zn	68	535	5959	32	0.5	0.005217	**4.0799**	ug/L
ê>	Ge	74	1136281	1048120	32282	3.1	1048119.685099		ug/L
ë	As	75	-132	11553	123	1.1	0.011144	**5.3477**	ug/L
é	Se	77	98	1469	41	2.8	0.001251	**9.5803**	ug/L
ê	Se	82	10	1829	7	0.4	0.001650	**9.2243**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	2237	77	3.4	0.002016	**0.5733**	ug/L
ê	Mo	97	12	1395	22	1.6	0.001255	**0.5823**	ug/L
ê	Mo	98	19	3673	79	2.2	0.003314	**0.5877**	ug/L
ê	Ag	107	5	5496	137	2.5	0.004978	**0.4094**	ug/L
ê	Ag	109	6	7045	202	2.9	0.006381	**0.4119**	ug/L
ê	Cd	111	3	1767	16	0.9	0.001599	**0.4153**	ug/L
ê	Cd	114	35	4053	74	1.8	0.003645	**0.4101**	ug/L

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ê>	In	115	1206580	1103176	10805	1.0	1103175.826481		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	5180	89	1.7	0.004689	**0.4199**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1025721	27082	2.6	1025721.209805		ug/L
ê	Tl	205	4	6669	291	4.4	0.006496	**0.2101**	ug/L
ê	Pb	208	25	21396	455	2.1	0.020838	**0.5210**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	44392	930	2.1	1153.549144		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	85.909
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	92.241
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	91.430
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	93.148
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB2

Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 20:08:04
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCB2.118
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	6	3	39.7	0.000000	**-0.0136**	ug/L
ê	B	11	551	2169	165	7.6	0.001574	**0.8098**	ug/L
ê	Na	23	7063	12967	121	0.9	0.006465	**0.0770**	ug/L
ê	Mg	24	264	468	82	17.6	0.000227	**-0.8063**	ug/L
ê	Al	27	1705	1982	31	1.6	0.000501	**-0.0531**	ug/L
ê	K	39	743956	686465	9108	1.3	0.053820	**1.4491**	ug/L
ê	Ca	44	6038	6535	80	1.2	0.001326	**1.0718**	ug/L
ê>	Sc	45	1282853	1083451	14532	1.3	1083450.987078		ug/L
ê	Ti	47	53	49	14	27.4	0.000004	**0.0050**	ug/L
ê	Ti	48	-206	-381	2	0.5	-0.000191	**-0.0078**	ug/L
ê	V	51	56	245	13	5.2	0.000183	**0.0060**	ug/L
ê	Cr	52	14940	10663	387	3.6	-0.001802	**-0.1127**	ug/L
ê	Cr	53	56	108	11	9.9	0.000056	**0.0265**	ug/L
ê	Mn	55	1243	1332	82	6.2	0.000261	**0.0099**	ug/L
ê	Fe	54	156113	128074	2092	1.6	-0.003483	**-4.8602**	ug/L
ê	Fe	57	10282	8616	242	2.8	-0.000063	**-0.4028**	ug/L
ê	Co	59	52	54	3	5.6	0.000009	**-0.0059**	ug/L
ê	Ni	60	52	47	13	27.9	0.000003	**-0.0033**	ug/L
ë	Ni	62	131	117	13	11.4	0.000006	**-0.0198**	ug/L
é	Cu	65	14	26	4	13.9	0.000013	**-0.0034**	ug/L
ê	Cu	63	30	71	9	12.7	0.000042	**-0.0033**	ug/L
ê	Zn	66	41	53	15	28.5	0.000015	**-0.0036**	ug/L
ê	Zn	68	535	417	29	7.0	-0.000070	**-0.0558**	ug/L
ê>	Ge	74	1136281	1037884	22851	2.2	1037883.818947		ug/L
ë	As	75	-132	-28	25	89.8	0.000090	**0.0055**	ug/L
é	Se	77	98	69	8	10.9	-0.000017	**-0.0200**	ug/L
ê	Se	82	10	10	2	20.5	0.000001	**0.0165**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	12	5	40.0	-0.000001	**-0.0007**	ug/L
ê	Mo	97	12	10	3	29.6	-0.000000	**0.0038**	ug/L
ê	Mo	98	19	19	1	7.2	0.000002	**-0.0000**	ug/L
ê	Ag	107	5	8	2	27.2	0.000003	**-0.0014**	ug/L
ê	Ag	109	6	9	2	24.7	0.000004	**-0.0004**	ug/L
ê	Cd	111	3	3	2	69.3	0.000000	**-0.0002**	ug/L
ê	Cd	114	35	18	4	25.5	-0.000013	**0.0002**	ug/L

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ê>	In	115	1206580	1085100	26923	2.5	1085100.451029		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	17	4	21.2	0.000009	**0.0007**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1005271	9571	1.0	1005271.386351		ug/L
ê	Tl	205	4	3	1	34.6	-0.000000	**-0.0004**	ug/L
ê	Pb	208	25	35	4	11.7	0.000011	**-0.0011**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	43731	769	1.8	492.843009		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	84.456
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	91.340
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	89.932
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	91.291
|	Tl	205	
|	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV3
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 20:43:30
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCV3.127
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	4943	112	2.3	0.004655	**3.2303**	ug/L
ê	B	11	551	86288	1527	1.8	0.080968	**40.7458**	ug/L
ê	Na	23	7063	6751334	126095	1.9	6.360333	**311.6508**	ug/L
ê	Mg	24	264	4503832	37333	0.8	4.248086	**316.4588**	ug/L
ê	Al	27	1705	625169	4782	0.8	0.588294	**29.8551**	ug/L
ê	K	39	743956	7810913	26324	0.3	6.787633	**305.0864**	ug/L
ê	Ca	44	6038	387788	9503	2.5	0.360904	**591.7372**	ug/L
ê>	Sc	45	1282853	1060680	27082	2.6	1060680.350901		ug/L
ê	Ti	47	53	6686	53	0.8	0.006264	**3.9997**	ug/L
ê	Ti	48	-206	72377	995	1.4	0.068431	**4.1551**	ug/L
ê	V	51	56	60890	573	0.9	0.057394	**3.0884**	ug/L
ê	Cr	52	14940	62979	788	1.3	0.047751	**3.0412**	ug/L
ê	Cr	53	56	5945	71	1.2	0.005563	**3.1668**	ug/L
ê	Mn	55	1243	28755	442	1.5	0.026150	**1.3033**	ug/L
ê	Fe	54	156113	248982	3472	1.4	0.113101	**108.3651**	ug/L
ê	Fe	57	10282	55291	568	1.0	0.044132	**108.8177**	ug/L
ê	Co	59	52	39701	243	0.6	0.037402	**2.2192**	ug/L
ê	Ni	60	52	17698	461	2.6	0.016646	**4.5110**	ug/L
ë	Ni	62	131	2906	72	2.5	0.002640	**4.8446**	ug/L
é	Cu	65	14	10617	221	2.1	0.010352	**2.4565**	ug/L
ê	Cu	63	30	22844	391	1.7	0.022275	**2.4910**	ug/L
ê	Zn	66	41	8169	167	2.0	0.007939	**4.3183**	ug/L
ê	Zn	68	535	5883	153	2.6	0.005272	**4.1226**	ug/L
ê>	Ge	74	1136281	1024310	209	0.0	1024310.094622		ug/L
ë	As	75	-132	11117	143	1.3	0.010970	**5.2636**	ug/L
é	Se	77	98	1450	45	3.1	0.001268	**9.7133**	ug/L
ê	Se	82	10	1836	35	1.9	0.001700	**9.5027**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	2261	57	2.5	0.002092	**0.5950**	ug/L
ê	Mo	97	12	1438	9	0.6	0.001329	**0.6162**	ug/L
ê	Mo	98	19	3895	132	3.4	0.003606	**0.6394**	ug/L
ê	Ag	107	5	5945	70	1.2	0.005526	**0.4547**	ug/L
ê	Ag	109	6	7117	189	2.6	0.006614	**0.4269**	ug/L
ê	Cd	111	3	1683	28	1.7	0.001563	**0.4058**	ug/L
ê	Cd	114	35	3919	136	3.5	0.003615	**0.4067**	ug/L

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ê>	In	115	1206580	1075469	30234	2.8	1075468.717939		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	4964	93	1.9	0.004610	**0.4129**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	987229	17593	1.8	987228.960837		ug/L
ê	Tl	205	4	6456	37	0.6	0.006538	**0.2114**	ug/L
ê	Pb	208	25	21306	426	2.0	0.021559	**0.5390**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	40414	368	0.9	-2823.914114		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	82.681
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	90.146
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	89.134
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	89.652
|	Tl	205	
|	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB3
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 20:47:27
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCB3.128
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	3	1	17.3	-0.000003	**-0.0157**	ug/L
ê	B	11	551	3236	180	5.5	0.002318	**1.1838**	ug/L
ê	Na	23	7063	18560	607	3.3	0.010228	**0.2615**	ug/L
ê	Mg	24	264	465	161	34.7	0.000196	**-0.8086**	ug/L
ê	Al	27	1705	2002	218	10.9	0.000358	**-0.0603**	ug/L
ê	K	39	743956	724161	39757	5.5	0.032612	**0.4927**	ug/L
ê	Ca	44	6038	7054	383	5.4	0.001261	**0.9647**	ug/L
ê>	Sc	45	1282853	1194036	187597	15.7	1194035.818185		ug/L
ê	Ti	47	53	58	18	31.5	0.000007	**0.0063**	ug/L
ê	Ti	48	-206	-457	33	7.3	-0.000226	**-0.0099**	ug/L
ê	V	51	56	115	15	13.1	0.000053	**-0.0010**	ug/L
ê	Cr	52	14940	12755	3007	23.6	-0.001043	**-0.0645**	ug/L
ê	Cr	53	56	72	14	19.6	0.000016	**0.0038**	ug/L
ê	Mn	55	1243	1159	215	18.6	-0.000000	**-0.0031**	ug/L
ê	Fe	54	156113	144821	22749	15.7	-0.000394	**-1.8597**	ug/L
ê	Fe	57	10282	9124	1950	21.4	-0.000415	**-1.2741**	ug/L
ê	Co	59	52	59	9	16.1	0.000009	**-0.0059**	ug/L
ê	Ni	60	52	54	3	5.3	0.000005	**-0.0026**	ug/L
ë	Ni	62	131	232	24	10.4	0.000093	**0.1420**	ug/L
é	Cu	65	14	22	2	9.3	0.000008	**-0.0045**	ug/L
ê	Cu	63	30	158	10	6.6	0.000116	**0.0051**	ug/L
ê	Zn	66	41	52	11	20.4	0.000011	**-0.0061**	ug/L
ê	Zn	68	535	443	36	8.1	-0.000072	**-0.0580**	ug/L
ê>	Ge	74	1136281	1112201	108275	9.7	1112200.941354		ug/L
ë	As	75	-132	-81	63	77.8	0.000047	**-0.0153**	ug/L
é	Se	77	98	81	22	27.0	-0.000011	**0.0303**	ug/L
ê	Se	82	10	9	15	166.9	-0.000000	**0.0097**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	10	1	6.0	-0.000003	**-0.0015**	ug/L
ê	Mo	97	12	7	2	31.5	-0.000003	**0.0023**	ug/L
ê	Mo	98	19	21	1	5.0	0.000003	**0.0001**	ug/L
ê	Ag	107	5	7	4	51.6	0.000002	**-0.0015**	ug/L
ê	Ag	109	6	5	1	20.0	-0.000000	**-0.0007**	ug/L
ê	Cd	111	3	2	1	49.5	-0.000001	**-0.0005**	ug/L
ê	Cd	114	35	29	13	43.3	-0.000004	**0.0012**	ug/L

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ê>	In	115	1206580	1144322	117568	10.3	1144321.639118		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	13	2	16.4	0.000004	**0.0003**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1047019	89365	8.5	1047019.396870		ug/L
ê	Tl	205	4	4	1	26.6	0.000001	**-0.0004**	ug/L
ê	Pb	208	25	33	6	18.3	0.000009	**-0.0012**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	41283	1489	3.6	-1954.719034		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	93.077
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	97.881
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	94.840
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	95.082
|	Tl	205	
|	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV4

Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 21:26:50
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCV4.138
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	5073	60	1.2	0.004244	**2.9433**	ug/L
ê	B	11	551	90734	2900	3.2	0.075561	**38.0263**	ug/L
ê	Na	23	7063	7271238	58809	0.8	6.084646	**298.1319**	ug/L
ê	Mg	24	264	4861656	44451	0.9	4.071793	**303.2918**	ug/L
ê	Al	27	1705	673484	6352	0.9	0.562745	**28.5551**	ug/L
ê	K	39	743956	8602519	25657	0.3	6.625226	**297.7632**	ug/L
ê	Ca	44	6038	440530	3801	0.9	0.364258	**597.2469**	ug/L
ê>	Sc	45	1282853	1193949	4532	0.4	1193949.484552		ug/L
ê	Ti	47	53	7485	154	2.1	0.006228	**3.9767**	ug/L
ê	Ti	48	-206	80296	3070	3.8	0.067414	**4.0934**	ug/L
ê	V	51	56	67372	523	0.8	0.056386	**3.0340**	ug/L
ê	Cr	52	14940	70078	1791	2.6	0.047052	**2.9967**	ug/L
ê	Cr	53	56	6773	125	1.8	0.005630	**3.2048**	ug/L
ê	Mn	55	1243	32766	912	2.8	0.026476	**1.3196**	ug/L
ê	Fe	54	156113	284099	967	0.3	0.116257	**111.4306**	ug/L
ê	Fe	57	10282	62591	511	0.8	0.044408	**109.5002**	ug/L
ê	Co	59	52	45275	765	1.7	0.037880	**2.2476**	ug/L
ê	Ni	60	52	19630	260	1.3	0.016401	**4.4446**	ug/L
ë	Ni	62	131	2985	62	2.1	0.002398	**4.3977**	ug/L
é	Cu	65	14	11982	69	0.6	0.010616	**2.5193**	ug/L
ê	Cu	63	30	25487	581	2.3	0.022582	**2.5255**	ug/L
ê	Zn	66	41	8778	110	1.3	0.007750	**4.2149**	ug/L
ê	Zn	68	535	6529	50	0.8	0.005321	**4.1609**	ug/L
ê>	Ge	74	1136281	1127423	10156	0.9	1127423.208284		ug/L
ë	As	75	-132	12579	171	1.4	0.011275	**5.4112**	ug/L
é	Se	77	98	1525	36	2.4	0.001249	**9.5655**	ug/L
ê	Se	82	10	2008	83	4.2	0.001743	**9.7433**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	2607	17	0.7	0.002262	**0.6433**	ug/L
ê	Mo	97	12	1660	37	2.2	0.001438	**0.6667**	ug/L
ê	Mo	98	19	4482	102	2.3	0.003894	**0.6905**	ug/L
ê	Ag	107	5	6662	50	0.8	0.005806	**0.4778**	ug/L
ê	Ag	109	6	7785	149	1.9	0.006785	**0.4380**	ug/L
ê	Cd	111	3	1833	83	4.5	0.001596	**0.4145**	ug/L
ê	Cd	114	35	4122	30	0.7	0.003566	**0.4012**	ug/L

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ê>	In	115	1206580	1146625	6810	0.6	1146624.684594		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	5262	145	2.8	0.004582	**0.4104**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1060381	10732	1.0	1060380.694957		ug/L
ê	Tl	205	4	7135	204	2.9	0.006725	**0.2175**	ug/L
ê	Pb	208	25	22960	109	0.5	0.021630	**0.5408**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	43453	87	0.2	215.317871		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	93.070
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	99.220
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	95.031
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	96.295
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB4
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 21:30:46
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCB4.139
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	5	3	60.3	-0.000001	**-0.0145**	ug/L
ê	B	11	551	2869	169	5.9	0.001974	**1.0110**	ug/L
ê	Na	23	7063	20952	832	4.0	0.012043	**0.3505**	ug/L
ê	Mg	24	264	613	327	53.4	0.000307	**-0.8004**	ug/L
ê	Al	27	1705	2055	38	1.9	0.000392	**-0.0586**	ug/L
ê	K	39	743956	688944	5051	0.7	-0.002825	**-1.1052**	ug/L
ê	Ca	44	6038	5611	61	1.1	-0.000006	**-1.1156**	ug/L
ê>	Sc	45	1282853	1193858	11950	1.0	1193858.162454		ug/L
ê	Ti	47	53	44	9	19.2	-0.000004	**-0.0004**	ug/L
ê	Ti	48	-206	-153	10	6.7	0.000033	**0.0057**	ug/L
ê	V	51	56	98	8	8.6	0.000038	**-0.0018**	ug/L
ê	Cr	52	14940	12525	314	2.5	-0.001156	**-0.0716**	ug/L
ê	Cr	53	56	73	6	7.7	0.000018	**0.0045**	ug/L
ê	Mn	55	1243	1296	54	4.1	0.000117	**0.0027**	ug/L
ê	Fe	54	156113	148780	2840	1.9	0.002944	**1.3824**	ug/L
ê	Fe	57	10282	9143	128	1.4	-0.000357	**-1.1292**	ug/L
ê	Co	59	52	49	3	6.2	0.000001	**-0.0064**	ug/L
ê	Ni	60	52	53	6	11.6	0.000004	**-0.0029**	ug/L
ë	Ni	62	131	150	17	11.5	0.000023	**0.0126**	ug/L
é	Cu	65	14	45	4	9.2	0.000028	**0.0002**	ug/L
ê	Cu	63	30	142	9	6.3	0.000099	**0.0031**	ug/L
ê	Zn	66	41	54	12	21.4	0.000012	**-0.0055**	ug/L
ê	Zn	68	535	469	37	7.8	-0.000057	**-0.0458**	ug/L
ê>	Ge	74	1136281	1132942	24298	2.1	1132941.634858		ug/L
ë	As	75	-132	-60	50	84.1	0.000063	**-0.0072**	ug/L
é	Se	77	98	70	10	14.6	-0.000020	**-0.0438**	ug/L
ê	Se	82	10	1	12	885.7	-0.000007	**-0.0271**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	20	9	44.1	0.000006	**0.0011**	ug/L
ê	Mo	97	12	13	5	37.3	0.000001	**0.0044**	ug/L
ê	Mo	98	19	19	3	16.3	0.000000	**-0.0003**	ug/L
ê	Ag	107	5	11	2	21.7	0.000005	**-0.0012**	ug/L
ê	Ag	109	6	6	2	33.3	0.000000	**-0.0006**	ug/L
ê	Cd	111	3	3	1	43.3	-0.000000	**-0.0004**	ug/L
ê	Cd	114	35	23	11	49.2	-0.000009	**0.0007**	ug/L

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ê>	In	115	1206580	1160122	24802	2.1	1160121.539490		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	10	3	26.5	0.000002	**0.0001**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1053548	13262	1.3	1053547.817486		ug/L
ê	Tl	205	4	4	2	50.0	0.000000	**-0.0004**	ug/L
ê	Pb	208	25	33	6	19.1	0.000009	**-0.0012**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	41881	327	0.8	-1357.366443		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	93.063
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	99.706
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	96.150
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	95.675
|	Tl	205	
|	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV5
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 21:58:21
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCV5.146
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	4942	199	4.0	0.004312	**2.9913**	ug/L
ê	B	11	551	86542	1729	2.0	0.075217	**37.8533**	ug/L
ê	Na	23	7063	7031630	92163	1.3	6.142680	**300.9777**	ug/L
ê	Mg	24	264	4741001	46296	1.0	4.145975	**308.8323**	ug/L
ê	Al	27	1705	647341	4406	0.7	0.564657	**28.6525**	ug/L
ê	K	39	743956	8341813	117694	1.4	6.712786	**301.7115**	ug/L
ê	Ca	44	6038	418225	8445	2.0	0.360944	**591.8032**	ug/L
ê>	Sc	45	1282853	1144183	30384	2.7	1144182.580856		ug/L
ê	Ti	47	53	7227	151	2.1	0.006281	**4.0104**	ug/L
ê	Ti	48	-206	75556	857	1.1	0.066218	**4.0208**	ug/L
ê	V	51	56	66578	513	0.8	0.058165	**3.1299**	ug/L
ê	Cr	52	14940	67565	1273	1.9	0.047415	**3.0198**	ug/L
ê	Cr	53	56	6411	44	0.7	0.005563	**3.1665**	ug/L
ê	Mn	55	1243	31404	621	2.0	0.026484	**1.3200**	ug/L
ê	Fe	54	156113	272897	5614	2.1	0.116867	**112.0228**	ug/L
ê	Fe	57	10282	59879	1339	2.2	0.044323	**109.2897**	ug/L
ê	Co	59	52	43331	444	1.0	0.037847	**2.2457**	ug/L
ê	Ni	60	52	18790	195	1.0	0.016393	**4.4423**	ug/L
ë	Ni	62	131	3172	107	3.4	0.002673	**4.9053**	ug/L
é	Cu	65	14	11284	170	1.5	0.010161	**2.4111**	ug/L
ê	Cu	63	30	24867	171	0.7	0.022393	**2.5042**	ug/L
ê	Zn	66	41	8595	88	1.0	0.007714	**4.1952**	ug/L
ê	Zn	68	535	6216	11	0.2	0.005133	**4.0140**	ug/L
ê>	Ge	74	1136281	1109215	7283	0.7	1109215.337519		ug/L
ë	As	75	-132	12070	311	2.6	0.010999	**5.2774**	ug/L
é	Se	77	98	1473	17	1.1	0.001229	**9.4166**	ug/L
ê	Se	82	10	1976	66	3.3	0.001750	**9.7802**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	2551	61	2.4	0.002258	**0.6422**	ug/L
ê	Mo	97	12	1618	11	0.7	0.001430	**0.6629**	ug/L
ê	Mo	98	19	4330	58	1.3	0.003836	**0.6803**	ug/L
ê	Ag	107	5	6601	202	3.1	0.005867	**0.4828**	ug/L
ê	Ag	109	6	7495	259	3.5	0.006662	**0.4300**	ug/L
ê	Cd	111	3	1741	28	1.6	0.001546	**0.4015**	ug/L
ê	Cd	114	35	4046	102	2.5	0.003570	**0.4016**	ug/L

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ê>	In	115	1206580	1124181	13202	1.2	1124180.849541		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	5098	91	1.8	0.004528	**0.4055**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1028938	7537	0.7	1028938.458688		ug/L
ê	Tl	205	4	6884	31	0.5	0.006687	**0.2163**	ug/L
ê	Pb	208	25	22622	384	1.7	0.021962	**0.5491**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	40221	748	1.9	-3017.449296		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	89.190
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	97.618
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	93.171
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	93.440
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB5
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 22:02:17
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCB5.147
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	8	2	19.9	0.000001	**-0.0130**	ug/L
ê	B	11	551	2579	158	6.1	0.001839	**0.9430**	ug/L
ê	Na	23	7063	23432	862	3.7	0.015106	**0.5007**	ug/L
ê	Mg	24	264	375	14	3.9	0.000124	**-0.8140**	ug/L
ê	Al	27	1705	1936	34	1.8	0.000374	**-0.0595**	ug/L
ê	K	39	743956	675209	7468	1.1	0.014081	**-0.3428**	ug/L
ê	Ca	44	6038	4218	88	2.1	-0.000996	**-2.7417**	ug/L
ê>	Sc	45	1282853	1136830	13366	1.2	1136830.187233		ug/L
ê	Ti	47	53	46	6	12.8	-0.000001	**0.0015**	ug/L
ê	Ti	48	-206	-138	17	12.2	0.000039	**0.0062**	ug/L
ê	V	51	56	100	11	10.5	0.000045	**-0.0015**	ug/L
ê	Cr	52	14940	12512	87	0.7	-0.000639	**-0.0387**	ug/L
ê	Cr	53	56	81	4	5.0	0.000028	**0.0102**	ug/L
ê	Mn	55	1243	1211	59	4.9	0.000097	**0.0017**	ug/L
ê	Fe	54	156113	144781	1325	0.9	0.005684	**4.0426**	ug/L
ê	Fe	57	10282	8633	450	5.2	-0.000422	**-1.2897**	ug/L
ê	Co	59	52	56	5	8.9	0.000008	**-0.0059**	ug/L
ê	Ni	60	52	48	5	9.5	0.000002	**-0.0036**	ug/L
ë	Ni	62	131	305	4	1.3	0.000167	**0.2773**	ug/L
é	Cu	65	14	30	6	19.9	0.000016	**-0.0027**	ug/L
ê	Cu	63	30	255	10	3.9	0.000208	**0.0154**	ug/L
ê	Zn	66	41	53	11	20.8	0.000013	**-0.0051**	ug/L
ê	Zn	68	535	443	12	2.8	-0.000063	**-0.0510**	ug/L
ê>	Ge	74	1136281	1086953	15027	1.4	1086952.526722		ug/L
ë	As	75	-132	-41	62	153.1	0.000080	**0.0006**	ug/L
é	Se	77	98	68	15	21.4	-0.000020	**-0.0390**	ug/L
ê	Se	82	10	2	5	195.8	-0.000006	**-0.0218**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	14	2	14.5	0.000001	**-0.0002**	ug/L
ê	Mo	97	12	12	4	32.5	0.000001	**0.0042**	ug/L
ê	Mo	98	19	21	2	9.6	0.000003	**0.0002**	ug/L
ê	Ag	107	5	9	6	66.7	0.000004	**-0.0013**	ug/L
ê	Ag	109	6	6	2	36.5	0.000001	**-0.0006**	ug/L
ê	Cd	111	3	4	3	74.2	0.000001	**-0.0000**	ug/L
ê	Cd	114	35	31	6	18.3	-0.000001	**0.0016**	ug/L

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ê>	In	115	1206580	1113162	14680	1.3	1113162.372249		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	12	2	12.4	0.000004	**0.0003**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1023943	9654	0.9	1023943.448141		ug/L
ê	Tl	205	4	4	3	66.1	0.000000	**-0.0004**	ug/L
ê	Pb	208	25	46	7	15.2	0.000022	**-0.0008**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	40078	340	0.8	-3159.859019		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	88.617
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	95.659
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	92.258
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	92.987
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV6
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 22:37:45
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCV6.156
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	5230	50	0.9	0.004235	**2.9376**	ug/L
ê	B	11	551	90042	1010	1.1	0.072585	**36.5293**	ug/L
ê	Na	23	7063	7569333	137380	1.8	6.132585	**300.4827**	ug/L
ê	Mg	24	264	4984635	66646	1.3	4.041868	**301.0568**	ug/L
ê	Al	27	1705	690309	12096	1.8	0.558439	**28.3361**	ug/L
ê	K	39	743956	9133285	74976	0.8	6.825947	**306.8140**	ug/L
ê	Ca	44	6038	469678	3987	0.8	0.376098	**616.6965**	ug/L
ê>	Sc	45	1282853	1233429	14495	1.2	1233428.905683		ug/L
ê	Ti	47	53	7805	59	0.8	0.006287	**4.0147**	ug/L
ê	Ti	48	-206	81587	1451	1.8	0.066307	**4.0262**	ug/L
ê	V	51	56	72135	1292	1.8	0.058440	**3.1447**	ug/L
ê	Cr	52	14940	72630	1700	2.3	0.047240	**3.0087**	ug/L
ê	Cr	53	56	6937	119	1.7	0.005582	**3.1776**	ug/L
ê	Mn	55	1243	34329	582	1.7	0.026870	**1.3393**	ug/L
ê	Fe	54	156113	296463	3460	1.2	0.118667	**113.7712**	ug/L
ê	Fe	57	10282	65268	381	0.6	0.044908	**110.7371**	ug/L
ê	Co	59	52	46622	644	1.4	0.037757	**2.2403**	ug/L
ê	Ni	60	52	20442	638	3.1	0.016533	**4.4804**	ug/L
ë	Ni	62	131	3133	53	1.7	0.002438	**4.4715**	ug/L
é	Cu	65	14	12271	188	1.5	0.010740	**2.5487**	ug/L
ê	Cu	63	30	26672	688	2.6	0.023349	**2.6116**	ug/L
ê	Zn	66	41	9080	160	1.8	0.007921	**4.3082**	ug/L
ê	Zn	68	535	6648	79	1.2	0.005355	**4.1874**	ug/L
ê>	Ge	74	1136281	1141203	10188	0.9	1141202.806636		ug/L
ë	As	75	-132	12714	263	2.1	0.011257	**5.4022**	ug/L
é	Se	77	98	1572	36	2.3	0.001248	**9.5564**	ug/L
ê	Se	82	10	2068	46	2.2	0.001740	**9.7257**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	2715	22	0.8	0.002283	**0.6494**	ug/L
ê	Mo	97	12	1744	45	2.6	0.001465	**0.6791**	ug/L
ê	Mo	98	19	4401	84	1.9	0.003705	**0.6569**	ug/L
ê	Ag	107	5	6787	108	1.6	0.005733	**0.4718**	ug/L
ê	Ag	109	6	7888	100	1.3	0.006664	**0.4301**	ug/L
ê	Cd	111	3	1845	28	1.5	0.001557	**0.4045**	ug/L
ê	Cd	114	35	4342	68	1.6	0.003642	**0.4097**	ug/L

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ê>	In	115	1206580	1182900	8875	0.8	1182900.158613		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	5349	30	0.6	0.004516	**0.4044**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1095398	19116	1.7	1095398.022921		ug/L
ê	Tl	205	4	7278	134	1.8	0.006643	**0.2148**	ug/L
ê	Pb	208	25	23627	13	0.1	0.021551	**0.5388**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	41445	310	0.7	-1792.633331		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	96.147
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	100.433
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	98.037
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	99.475
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB6

Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 22:41:41
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCB6.157
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	4	1	31.5	-0.000002	**-0.0156**	ug/L
ê	B	11	551	1294	81	6.2	0.000633	**0.3364**	ug/L
ê	Na	23	7063	13046	806	6.2	0.005206	**0.0153**	ug/L
ê	Mg	24	264	503	215	42.7	0.000207	**-0.8078**	ug/L
ê	Al	27	1705	1994	76	3.8	0.000308	**-0.0629**	ug/L
ê	K	39	743956	688464	11287	1.6	-0.014642	**-1.6380**	ug/L
ê	Ca	44	6038	4420	85	1.9	-0.001078	**-2.8762**	ug/L
ê>	Sc	45	1282853	1217953	10722	0.9	1217952.586566		ug/L
ê	Ti	47	53	47	4	8.1	-0.000003	**0.0003**	ug/L
ê	Ti	48	-206	-150	14	9.6	0.000038	**0.0060**	ug/L
ê	V	51	56	89	5	5.3	0.000029	**-0.0023**	ug/L
ê	Cr	52	14940	13650	254	1.9	-0.000438	**-0.0259**	ug/L
ê	Cr	53	56	73	4	5.4	0.000016	**0.0038**	ug/L
ê	Mn	55	1243	1134	22	2.0	-0.000038	**-0.0050**	ug/L
ê	Fe	54	156113	154344	4823	3.1	0.005035	**3.4127**	ug/L
ê	Fe	57	10282	9444	200	2.1	-0.000260	**-0.8897**	ug/L
ê	Co	59	52	59	14	23.5	0.000007	**-0.0060**	ug/L
ê	Ni	60	52	48	2	4.3	-0.000001	**-0.0043**	ug/L
ë	Ni	62	131	132	20	15.1	0.000007	**-0.0182**	ug/L
é	Cu	65	14	33	4	12.4	0.000016	**-0.0026**	ug/L
ê	Cu	63	30	72	4	5.0	0.000035	**-0.0040**	ug/L
ê	Zn	66	41	53	11	20.9	0.000010	**-0.0065**	ug/L
ê	Zn	68	535	480	20	4.2	-0.000058	**-0.0464**	ug/L
ê>	Ge	74	1136281	1160535	20869	1.8	1160534.783509		ug/L
ë	As	75	-132	-74	47	64.2	0.000053	**-0.0124**	ug/L
é	Se	77	98	80	14	17.4	-0.000013	**0.0156**	ug/L
ê	Se	82	10	5	9	174.4	-0.000004	**-0.0097**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	12	4	30.0	-0.000002	**-0.0010**	ug/L
ê	Mo	97	12	11	1	5.4	-0.000001	**0.0036**	ug/L
ê	Mo	98	19	19	7	33.7	0.000001	**-0.0003**	ug/L
ê	Ag	107	5	6	1	20.4	0.000001	**-0.0016**	ug/L
ê	Ag	109	6	7	2	31.2	0.000001	**-0.0006**	ug/L
ê	Cd	111	3	3	0	0.0	-0.000000	**-0.0004**	ug/L
ê	Cd	114	35	27	7	24.9	-0.000006	**0.0010**	ug/L

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ê>	In	115	1206580	1175873	7967	0.7	1175873.444418		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	17	2	8.8	0.000008	**0.0006**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1070154	19746	1.8	1070154.067347		ug/L
ê	Tl	205	4	4	2	50.0	0.000000	**-0.0004**	ug/L
ê	Pb	208	25	39	10	26.5	0.000014	**-0.0010**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	41540	235	0.6	-1698.026764		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	94.941
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	102.135
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	97.455
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	97.183
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV7
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 23:09:16
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCV7.164
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	5427	98	1.8	0.004448	**3.0860**	ug/L
ê	B	11	551	91893	1984	2.2	0.074995	**37.7413**	ug/L
ê	Na	23	7063	7598678	189437	2.5	6.231382	**305.3274**	ug/L
ê	Mg	24	264	5108364	98938	1.9	4.192256	**312.2890**	ug/L
ê	Al	27	1705	707921	17523	2.5	0.579724	**29.4191**	ug/L
ê	K	39	743956	8836223	141705	1.6	6.672411	**299.8909**	ug/L
ê	Ca	44	6038	457509	4530	1.0	0.370746	**607.9055**	ug/L
ê>	Sc	45	1282853	1218553	9909	0.8	1218553.374770		ug/L
ê	Ti	47	53	7728	210	2.7	0.006301	**4.0231**	ug/L
ê	Ti	48	-206	81846	1184	1.4	0.067330	**4.0883**	ug/L
ê	V	51	56	68969	1277	1.9	0.056554	**3.0431**	ug/L
ê	Cr	52	14940	72000	993	1.4	0.047447	**3.0218**	ug/L
ê	Cr	53	56	6729	114	1.7	0.005479	**3.1188**	ug/L
ê	Mn	55	1243	32834	326	1.0	0.025976	**1.2947**	ug/L
ê	Fe	54	156113	288676	5469	1.9	0.115233	**110.4354**	ug/L
ê	Fe	57	10282	63058	930	1.5	0.043732	**107.8289**	ug/L
ê	Co	59	52	45108	717	1.6	0.036976	**2.1938**	ug/L
ê	Ni	60	52	20111	262	1.3	0.016465	**4.4618**	ug/L
ë	Ni	62	131	3020	34	1.1	0.002377	**4.3583**	ug/L
é	Cu	65	14	11889	46	0.4	0.010415	**2.4715**	ug/L
ê	Cu	63	30	25242	317	1.3	0.022112	**2.4728**	ug/L
ê	Zn	66	41	8896	87	1.0	0.007767	**4.2241**	ug/L
ê	Zn	68	535	6513	44	0.7	0.005242	**4.0989**	ug/L
ê>	Ge	74	1136281	1140263	12193	1.1	1140262.595105		ug/L
ë	As	75	-132	12561	296	2.4	0.011132	**5.3417**	ug/L
é	Se	77	98	1528	27	1.7	0.001224	**9.3750**	ug/L
ê	Se	82	10	1986	38	1.9	0.001688	**9.4333**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	2553	73	2.9	0.002168	**0.6165**	ug/L
ê	Mo	97	12	1576	26	1.6	0.001337	**0.6199**	ug/L
ê	Mo	98	19	4192	102	2.4	0.003564	**0.6319**	ug/L
ê	Ag	107	5	6562	52	0.8	0.005599	**0.4607**	ug/L
ê	Ag	109	6	7779	204	2.6	0.006637	**0.4284**	ug/L
ê	Cd	111	3	1827	30	1.7	0.001557	**0.4045**	ug/L
ê	Cd	114	35	4251	35	0.8	0.003601	**0.4051**	ug/L

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ê>	In	115	1206580	1171112	8392	0.7	1171111.968503		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	5319	60	1.1	0.004535	**0.4062**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1072897	12522	1.2	1072896.903589		ug/L
ê	Tl	205	4	7217	17	0.2	0.006724	**0.2174**	ug/L
ê	Pb	208	25	23522	129	0.5	0.021903	**0.5477**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	43188	227	0.5	-50.485309		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	94.988
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	100.350
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	97.060
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	97.432
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB7
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 23:13:12
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCB7.165
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	5	2	32.7	-0.000002	**-0.0151**	ug/L
ê	B	11	551	1374	30	2.2	0.000667	**0.3533**	ug/L
ê	Na	23	7063	12149	49	0.4	0.004183	**-0.0349**	ug/L
ê	Mg	24	264	335	21	6.3	0.000062	**-0.8187**	ug/L
ê	Al	27	1705	1963	76	3.8	0.000237	**-0.0665**	ug/L
ê	K	39	743956	699985	15420	2.2	-0.021587	**-1.9512**	ug/L
ê	Ca	44	6038	4744	96	2.0	-0.000923	**-2.6218**	ug/L
ê>	Sc	45	1282853	1254581	30877	2.5	1254581.062636		ug/L
ê	Ti	47	53	45	3	7.7	-0.000005	**-0.0012**	ug/L
ê	Ti	48	-206	-153	19	12.2	0.000039	**0.0061**	ug/L
ê	V	51	56	100	2	1.7	0.000036	**-0.0019**	ug/L
ê	Cr	52	14940	14312	434	3.0	-0.000239	**-0.0132**	ug/L
ê	Cr	53	56	66	15	22.2	0.000009	**-0.0002**	ug/L
ê	Mn	55	1243	1084	48	4.4	-0.000105	**-0.0084**	ug/L
ê	Fe	54	156113	154985	1421	0.9	0.001903	**0.3706**	ug/L
ê	Fe	57	10282	10454	94	0.9	0.000322	**0.5478**	ug/L
ê	Co	59	52	53	3	4.8	0.000001	**-0.0063**	ug/L
ê	Ni	60	52	49	3	5.4	-0.000001	**-0.0045**	ug/L
ë	Ni	62	131	119	17	14.6	-0.000007	**-0.0438**	ug/L
é	Cu	65	14	31	9	29.6	0.000015	**-0.0027**	ug/L
ê	Cu	63	30	55	2	3.8	0.000023	**-0.0054**	ug/L
ê	Zn	66	41	53	8	15.9	0.000011	**-0.0058**	ug/L
ê	Zn	68	535	462	16	3.4	-0.000057	**-0.0463**	ug/L
ê>	Ge	74	1136281	1116129	9713	0.9	1116129.485042		ug/L
ë	As	75	-132	-92	23	24.9	0.000034	**-0.0212**	ug/L
é	Se	77	98	83	8	9.6	-0.000011	**0.0304**	ug/L
ê	Se	82	10	1	4	345.5	-0.000007	**-0.0287**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	15	8	52.1	0.000001	**-0.0003**	ug/L
ê	Mo	97	12	6	4	65.7	-0.000004	**0.0019**	ug/L
ê	Mo	98	19	17	6	32.7	-0.000001	**-0.0006**	ug/L
ê	Ag	107	5	7	3	42.9	0.000002	**-0.0015**	ug/L
ê	Ag	109	6	5	2	34.6	-0.000000	**-0.0007**	ug/L
ê	Cd	111	3	2	1	69.3	-0.000001	**-0.0007**	ug/L
ê	Cd	114	35	25	4	14.3	-0.000008	**0.0008**	ug/L

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ê>	In	115	1206580	1180970	22388	1.9	1180969.916145		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	14	2	15.2	0.000005	**0.0003**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1079899	11763	1.1	1079899.061379		ug/L
ê	Tl	205	4	5	0	0.0	0.000001	**-0.0004**	ug/L
ê	Pb	208	25	39	4	10.3	0.000013	**-0.0011**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	43048	204	0.5	-190.239731		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	97.796
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	98.227
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	97.878
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	98.068
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV8

Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 23:40:47
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCV8.172
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	5404	63	1.2	0.004344	**3.0130**	ug/L
ê	B	11	551	92762	631	0.7	0.074228	**37.3556**	ug/L
ê	Na	23	7063	7687652	208158	2.7	6.181445	**302.8786**	ug/L
ê	Mg	24	264	5101241	66703	1.3	4.105522	**305.8110**	ug/L
ê	Al	27	1705	700855	14173	2.0	0.562812	**28.5586**	ug/L
ê	K	39	743956	9009383	135174	1.5	6.671998	**299.8723**	ug/L
ê	Ca	44	6038	448520	8124	1.8	0.356307	**584.1865**	ug/L
ê>	Sc	45	1282853	1242559	12701	1.0	1242558.823583		ug/L
ê	Ti	47	53	7644	90	1.2	0.006112	**3.9026**	ug/L
ê	Ti	48	-206	80888	2756	3.4	0.065260	**3.9627**	ug/L
ê	V	51	56	70540	1444	2.0	0.056735	**3.0528**	ug/L
ê	Cr	52	14940	73114	1172	1.6	0.047197	**3.0060**	ug/L
ê	Cr	53	56	6833	60	0.9	0.005456	**3.1056**	ug/L
ê	Mn	55	1243	33035	716	2.2	0.025621	**1.2769**	ug/L
ê	Fe	54	156113	295946	13039	4.4	0.116571	**111.7351**	ug/L
ê	Fe	57	10282	63441	833	1.3	0.043041	**106.1214**	ug/L
ê	Co	59	52	45287	535	1.2	0.036410	**2.1601**	ug/L
ê	Ni	60	52	19932	484	2.4	0.016004	**4.3369**	ug/L
ë	Ni	62	131	3011	107	3.5	0.002322	**4.2578**	ug/L
é	Cu	65	14	12121	218	1.8	0.010607	**2.5172**	ug/L
ê	Cu	63	30	25883	923	3.6	0.022640	**2.5320**	ug/L
ê	Zn	66	41	9082	123	1.4	0.007919	**4.3074**	ug/L
ê	Zn	68	535	6528	46	0.7	0.005249	**4.1051**	ug/L
ê>	Ge	74	1136281	1141817	28313	2.5	1141817.251158		ug/L
ë	As	75	-132	12432	153	1.2	0.011007	**5.2814**	ug/L
é	Se	77	98	1545	37	2.4	0.001223	**9.3680**	ug/L
ê	Se	82	10	1989	52	2.6	0.001670	**9.3365**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	2467	71	2.9	0.002070	**0.5886**	ug/L
ê	Mo	97	12	1603	32	2.0	0.001343	**0.6230**	ug/L
ê	Mo	98	19	4153	52	1.2	0.003488	**0.6186**	ug/L
ê	Ag	107	5	6529	86	1.3	0.005505	**0.4530**	ug/L
ê	Ag	109	6	7793	95	1.2	0.006571	**0.4241**	ug/L
ê	Cd	111	3	1801	30	1.7	0.001517	**0.3940**	ug/L
ê	Cd	114	35	4295	90	2.1	0.003595	**0.4044**	ug/L

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ê>	In	115	1206580	1185226	7660	0.6	1185225.817444		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	5385	39	0.7	0.004536	**0.4063**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1086049	3118	0.3	1086049.392085		ug/L
ê	Tl	205	4	7281	202	2.8	0.006700	**0.2167**	ug/L
ê	Pb	208	25	23640	329	1.4	0.021744	**0.5437**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	42912	441	1.0	-325.976963		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	96.859
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	100.487
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	98.230
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	98.627
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB8
Sample Description:
Batch ID:

Sample Date/Time: Monday, April 07, 2014 23:44:43
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCB8.173
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	7	1	17.3	0.000000	**-0.0138**	ug/L
ê	B	11	551	1193	54	4.5	0.000553	**0.2963**	ug/L
ê	Na	23	7063	11979	283	2.4	0.004358	**-0.0263**	ug/L
ê	Mg	24	264	433	77	17.8	0.000150	**-0.8120**	ug/L
ê	Al	27	1705	1936	48	2.5	0.000265	**-0.0651**	ug/L
ê	K	39	743956	694728	5952	0.9	-0.007906	**-1.3343**	ug/L
ê	Ca	44	6038	4712	98	2.1	-0.000826	**-2.4636**	ug/L
ê>	Sc	45	1282853	1214565	6354	0.5	1214565.067738		ug/L
ê	Ti	47	53	43	13	30.2	-0.000006	**-0.0015**	ug/L
ê	Ti	48	-206	-163	19	11.5	0.000026	**0.0054**	ug/L
ê	V	51	56	90	12	13.1	0.000031	**-0.0022**	ug/L
ê	Cr	52	14940	14413	77	0.5	0.000221	**0.0160**	ug/L
ê	Cr	53	56	83	10	12.4	0.000025	**0.0088**	ug/L
ê	Mn	55	1243	1045	26	2.5	-0.000108	**-0.0085**	ug/L
ê	Fe	54	156113	151831	3227	2.1	0.003309	**1.7366**	ug/L
ê	Fe	57	10282	9880	99	1.0	0.000120	**0.0487**	ug/L
ê	Co	59	52	62	12	18.7	0.000010	**-0.0058**	ug/L
ê	Ni	60	52	47	5	10.1	-0.000001	**-0.0044**	ug/L
ë	Ni	62	131	111	9	8.0	-0.000011	**-0.0500**	ug/L
é	Cu	65	14	34	5	15.6	0.000018	**-0.0022**	ug/L
ê	Cu	63	30	64	7	10.9	0.000030	**-0.0046**	ug/L
ê	Zn	66	41	56	16	28.6	0.000013	**-0.0047**	ug/L
ê	Zn	68	535	483	13	2.7	-0.000046	**-0.0377**	ug/L
ê>	Ge	74	1136281	1137490	30311	2.7	1137490.449774		ug/L
ë	As	75	-132	-133	8	5.7	-0.000000	**-0.0378**	ug/L
é	Se	77	98	89	5	5.5	-0.000005	**0.0764**	ug/L
ê	Se	82	10	-1	4	443.7	-0.000009	**-0.0378**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	13	1	4.6	-0.000001	**-0.0008**	ug/L
ê	Mo	97	12	8	2	25.0	-0.000003	**0.0027**	ug/L
ê	Mo	98	19	18	4	21.7	-0.000000	**-0.0004**	ug/L
ê	Ag	107	5	8	3	39.8	0.000002	**-0.0014**	ug/L
ê	Ag	109	6	7	2	31.5	0.000002	**-0.0005**	ug/L
ê	Cd	111	3	5	2	32.7	0.000001	**0.0000**	ug/L
ê	Cd	114	35	27	3	11.1	-0.000006	**0.0010**	ug/L

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ê>	In	115	1206580	1169060	11113	1.0	1169060.129913		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	12	5	39.6	0.000003	**0.0002**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1077828	7548	0.7	1077827.700975		ug/L
ê	Tl	205	4	3	4	121.2	-0.000001	**-0.0004**	ug/L
ê	Pb	208	25	42	8	19.7	0.000016	**-0.0010**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	43118	201	0.5	-120.028492		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	94.677
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	100.106
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	96.890
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	97.880
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV9
Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 08, 2014 00:12:18
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCV9.180
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	6034	136	2.3	0.004723	**3.2775**	ug/L
ê	B	11	551	134452	8083	6.0	0.104855	**52.7614**	ug/L
ê	Na	23	7063	8234839	145060	1.8	6.443898	**315.7485**	ug/L
ê	Mg	24	264	5510999	141550	2.6	4.315304	**321.4792**	ug/L
ê	Al	27	1705	756649	13669	1.8	0.591228	**30.0044**	ug/L
ê	K	39	743956	9353142	207684	2.2	6.744409	**303.1373**	ug/L
ê	Ca	44	6038	491435	11004	2.2	0.380044	**623.1777**	ug/L
ê>	Sc	45	1282853	1277727	45284	3.5	1277726.512163		ug/L
ê	Ti	47	53	8021	69	0.9	0.006241	**3.9852**	ug/L
ê	Ti	48	-206	85262	1610	1.9	0.066974	**4.0667**	ug/L
ê	V	51	56	74649	788	1.1	0.058415	**3.1434**	ug/L
ê	Cr	52	14940	78065	2302	2.9	0.049481	**3.1513**	ug/L
ê	Cr	53	56	7220	229	3.2	0.005614	**3.1958**	ug/L
ê	Mn	55	1243	34200	417	1.2	0.025824	**1.2870**	ug/L
ê	Fe	54	156113	303333	2307	0.8	0.115934	**111.1164**	ug/L
ê	Fe	57	10282	69278	964	1.4	0.046261	**114.0794**	ug/L
ê	Co	59	52	46567	766	1.6	0.036444	**2.1622**	ug/L
ê	Ni	60	52	20408	178	0.9	0.015942	**4.3200**	ug/L
ë	Ni	62	131	3134	45	1.4	0.002354	**4.3165**	ug/L
é	Cu	65	14	12685	188	1.5	0.010841	**2.5727**	ug/L
ê	Cu	63	30	26837	228	0.8	0.022936	**2.5652**	ug/L
ê	Zn	66	41	9245	114	1.2	0.007875	**4.2829**	ug/L
ê	Zn	68	535	6818	122	1.8	0.005362	**4.1935**	ug/L
ê>	Ge	74	1136281	1168733	11208	1.0	1168733.322783		ug/L
ë	As	75	-132	12668	354	2.8	0.010957	**5.2572**	ug/L
é	Se	77	98	1660	54	3.3	0.001284	**9.8302**	ug/L
ê	Se	82	10	1998	54	2.7	0.001634	**9.1329**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	2574	53	2.0	0.002103	**0.5982**	ug/L
ê	Mo	97	12	1600	58	3.6	0.001306	**0.6057**	ug/L
ê	Mo	98	19	4055	79	2.0	0.003317	**0.5881**	ug/L
ê	Ag	107	5	6343	127	2.0	0.005209	**0.4285**	ug/L
ê	Ag	109	6	7833	84	1.1	0.006435	**0.4153**	ug/L
ê	Cd	111	3	1946	30	1.5	0.001597	**0.4148**	ug/L
ê	Cd	114	35	4449	63	1.4	0.003628	**0.4081**	ug/L

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ê>	In	115	1206580	1216646	15858	1.3	1216646.138847		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	5592	80	1.4	0.004589	**0.4110**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1127093	10462	0.9	1127093.087189		ug/L
ê	Tl	205	4	7593	146	1.9	0.006733	**0.2177**	ug/L
ê	Pb	208	25	24945	377	1.5	0.022109	**0.5528**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	46656	245	0.5	3417.728382		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	99.600
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	102.856
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	100.834
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	102.354
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB9
Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 08, 2014 00:16:14
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCB9.181
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	6	1	16.7	-0.000001	**-0.0144**	ug/L
ê	B	11	551	17709	1699	9.6	0.013368	**6.7425**	ug/L
ê	Na	23	7063	18312	169	0.9	0.008749	**0.1890**	ug/L
ê	Mg	24	264	1403	209	14.9	0.000889	**-0.7569**	ug/L
ê	Al	27	1705	2397	36	1.5	0.000537	**-0.0512**	ug/L
ê	K	39	743956	723757	6147	0.8	-0.016540	**-1.7236**	ug/L
ê	Ca	44	6038	5485	116	2.1	-0.000436	**-1.8227**	ug/L
ê>	Sc	45	1282853	1285040	30169	2.3	1285040.165036		ug/L
ê	Ti	47	53	66	6	8.3	0.000011	**0.0088**	ug/L
ê	Ti	48	-206	44	10	23.0	0.000195	**0.0156**	ug/L
ê	V	51	56	579	41	7.0	0.000407	**0.0181**	ug/L
ê	Cr	52	14940	15334	649	4.2	0.000292	**0.0206**	ug/L
ê	Cr	53	56	211	9	4.5	0.000121	**0.0635**	ug/L
ê	Mn	55	1243	1016	10	1.0	-0.000178	**-0.0120**	ug/L
ê	Fe	54	156113	160937	2255	1.4	0.003607	**2.0263**	ug/L
ê	Fe	57	10282	13133	348	2.7	0.002213	**5.2215**	ug/L
ê	Co	59	52	63	2	3.2	0.000008	**-0.0059**	ug/L
ê	Ni	60	52	62	6	9.4	0.000008	**-0.0019**	ug/L
ë	Ni	62	131	119	5	4.2	-0.000009	**-0.0472**	ug/L
é	Cu	65	14	28	8	27.0	0.000012	**-0.0034**	ug/L
ê	Cu	63	30	57	5	9.1	0.000023	**-0.0054**	ug/L
ê	Zn	66	41	78	8	10.4	0.000033	**0.0059**	ug/L
ê	Zn	68	535	497	49	9.8	-0.000036	**-0.0292**	ug/L
ê>	Ge	74	1136281	1140512	27625	2.4	1140512.484121		ug/L
ë	As	75	-132	-88	59	67.2	0.000038	**-0.0193**	ug/L
é	Se	77	98	87	18	20.7	-0.000008	**0.0498**	ug/L
ê	Se	82	10	-8	12	144.8	-0.000015	**-0.0708**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	18	4	19.9	0.000003	**0.0003**	ug/L
ê	Mo	97	12	10	3	31.6	-0.000002	**0.0031**	ug/L
ê	Mo	98	19	23	5	22.0	0.000004	**0.0003**	ug/L
ê	Ag	107	5	5	2	40.0	0.000000	**-0.0016**	ug/L
ê	Ag	109	6	5	2	44.6	-0.000001	**-0.0007**	ug/L
ê	Cd	111	3	4	2	50.0	0.000001	**-0.0002**	ug/L
ê	Cd	114	35	25	9	37.3	-0.000008	**0.0008**	ug/L

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ê>	In	115	1206580	1191703	14309	1.2	1191703.184941		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	11	4	35.5	0.000002	**0.0001**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1113670	15361	1.4	1113670.177723		ug/L
ê	Tl	205	4	6	2	28.9	0.000002	**-0.0003**	ug/L
ê	Pb	208	25	52	14	26.3	0.000023	**-0.0008**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	47720	394	0.8	4481.903700		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	100.170
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	100.372
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	98.767
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	101.135
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVA

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 08, 2014 00:43:49
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCVA.188
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	6227	42	0.7	0.004640	**3.2196**	ug/L
ê	B	11	551	141934	7082	5.0	0.105467	**53.0695**	ug/L
ê	Na	23	7063	8355023	130379	1.6	6.227697	**305.1467**	ug/L
ê	Mg	24	264	5729073	39738	0.7	4.273847	**318.3829**	ug/L
ê	Al	27	1705	792237	3099	0.4	0.589700	**29.9267**	ug/L
ê	K	39	743956	9768128	84809	0.9	6.707435	**301.4702**	ug/L
ê	Ca	44	6038	506607	3410	0.7	0.373235	**611.9929**	ug/L
ê>	Sc	45	1282853	1340457	4519	0.3	1340457.384048		ug/L
ê	Ti	47	53	8264	310	3.8	0.006124	**3.9105**	ug/L
ê	Ti	48	-206	87158	2188	2.5	0.065182	**3.9580**	ug/L
ê	V	51	56	75144	2178	2.9	0.056014	**3.0140**	ug/L
ê	Cr	52	14940	77401	1559	2.0	0.046096	**2.9359**	ug/L
ê	Cr	53	56	7390	102	1.4	0.005470	**3.1133**	ug/L
ê	Mn	55	1243	34720	632	1.8	0.024933	**1.2425**	ug/L
ê	Fe	54	156113	311267	7735	2.5	0.110527	**105.8654**	ug/L
ê	Fe	57	10282	69675	1544	2.2	0.043964	**108.4043**	ug/L
ê	Co	59	52	46854	566	1.2	0.034913	**2.0711**	ug/L
ê	Ni	60	52	20919	467	2.2	0.015566	**4.2180**	ug/L
ë	Ni	62	131	3116	66	2.1	0.002223	**4.0740**	ug/L
é	Cu	65	14	12821	103	0.8	0.010999	**2.6103**	ug/L
ê	Cu	63	30	27258	111	0.4	0.023382	**2.6153**	ug/L
ê	Zn	66	41	9478	88	0.9	0.008104	**4.4081**	ug/L
ê	Zn	68	535	6809	82	1.2	0.005376	**4.2043**	ug/L
ê>	Ge	74	1136281	1164431	6063	0.5	1164430.519602		ug/L
ë	As	75	-132	12451	55	0.4	0.010809	**5.1858**	ug/L
é	Se	77	98	1688	48	2.8	0.001301	**9.9610**	ug/L
ê	Se	82	10	1995	35	1.8	0.001625	**9.0813**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	2596	34	1.3	0.002112	**0.6008**	ug/L
ê	Mo	97	12	1562	13	0.8	0.001269	**0.5886**	ug/L
ê	Mo	98	19	4117	85	2.1	0.003354	**0.5947**	ug/L
ê	Ag	107	5	6227	108	1.7	0.005093	**0.4189**	ug/L
ê	Ag	109	6	7923	90	1.1	0.006480	**0.4182**	ug/L
ê	Cd	111	3	1938	32	1.7	0.001584	**0.4114**	ug/L
ê	Cd	114	35	4500	81	1.8	0.003654	**0.4110**	ug/L

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ê>	In	115	1206580	1221917	19646	1.6	1221916.848946		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	5534	135	2.4	0.004523	**0.4050**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1130666	5530	0.5	1130665.523906		ug/L
ê	Tl	205	4	7593	34	0.5	0.006712	**0.2171**	ug/L
ê	Pb	208	25	24864	236	0.9	0.021968	**0.5493**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	49301	468	0.9	6062.926927		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	104.490
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	102.477
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	101.271
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	102.678
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBA
Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 08, 2014 00:47:45
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCBA.189
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	7	2	24.7	-0.000000	**-0.0139**	ug/L
ê	B	11	551	20497	1884	9.2	0.015173	**7.6502**	ug/L
ê	Na	23	7063	18697	88	0.5	0.008748	**0.1889**	ug/L
ê	Mg	24	264	1278	50	3.9	0.000769	**-0.7658**	ug/L
ê	Al	27	1705	2579	32	1.3	0.000638	**-0.0461**	ug/L
ê	K	39	743956	769988	8172	1.1	0.007099	**-0.6577**	ug/L
ê	Ca	44	6038	5947	201	3.4	-0.000175	**-1.3937**	ug/L
ê>	Sc	45	1282853	1312258	35840	2.7	1312257.592487		ug/L
ê	Ti	47	53	68	12	17.1	0.000011	**0.0092**	ug/L
ê	Ti	48	-206	27	15	54.9	0.000181	**0.0147**	ug/L
ê	V	51	56	548	70	12.8	0.000374	**0.0163**	ug/L
ê	Cr	52	14940	15173	529	3.5	-0.000085	**-0.0035**	ug/L
ê	Cr	53	56	239	4	1.8	0.000139	**0.0736**	ug/L
ê	Mn	55	1243	987	28	2.8	-0.000216	**-0.0139**	ug/L
ê	Fe	54	156113	159268	835	0.5	-0.000252	**-1.7217**	ug/L
ê	Fe	57	10282	12913	369	2.9	0.001835	**4.2877**	ug/L
ê	Co	59	52	60	6	10.7	0.000005	**-0.0061**	ug/L
ê	Ni	60	52	54	7	12.3	0.000001	**-0.0038**	ug/L
ë	Ni	62	131	112	7	6.6	-0.000017	**-0.0615**	ug/L
é	Cu	65	14	33	3	7.7	0.000016	**-0.0026**	ug/L
ê	Cu	63	30	58	7	11.3	0.000023	**-0.0053**	ug/L
ê	Zn	66	41	79	17	21.0	0.000032	**0.0056**	ug/L
ê	Zn	68	535	532	9	1.6	-0.000012	**-0.0107**	ug/L
ê>	Ge	74	1136281	1157764	12550	1.1	1157763.833594		ug/L
ë	As	75	-132	-43	20	46.2	0.000079	**0.0005**	ug/L
é	Se	77	98	76	10	12.9	-0.000018	**-0.0250**	ug/L
ê	Se	82	10	5	8	161.5	-0.000004	**-0.0103**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	13	1	9.1	-0.000001	**-0.0009**	ug/L
ê	Mo	97	12	8	2	30.1	-0.000003	**0.0023**	ug/L
ê	Mo	98	19	19	4	19.6	0.000000	**-0.0003**	ug/L
ê	Ag	107	5	7	1	14.3	0.000002	**-0.0015**	ug/L
ê	Ag	109	6	7	2	28.6	0.000001	**-0.0006**	ug/L
ê	Cd	111	3	2	1	24.7	-0.000001	**-0.0005**	ug/L
ê	Cd	114	35	24	5	19.8	-0.000009	**0.0006**	ug/L

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ê>	In	115	1206580	1210530	12774	1.1	1210530.441910		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	8	2	25.0	-0.000000	**-0.0001**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1111437	4384	0.4	1111437.078287		ug/L
ê	Tl	205	4	2	1	24.7	-0.000002	**-0.0004**	ug/L
ê	Pb	208	25	55	6	10.6	0.000027	**-0.0007**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	48698	487	1.0	5459.529718		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	102.292
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	101.891
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	100.327
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	100.932
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140595-BLK1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 00:51:42
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 237

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\B140595-BLK1.190
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	6	3	45.6	-0.000001	**-0.1451**	ug/L
ê	B	11	551	14676	731	5.0	0.010087	**50.9176**	ug/L
ê	Na	23	7063	25745	2393	9.3	0.012945	**3.9475**	ug/L
ê	Mg	24	264	3586	2332	65.0	0.002358	**-6.4713**	ug/L
ê	Al	27	1705	7412	597	8.1	0.003978	**1.2387**	ug/L
ê	K	39	743956	785313	15733	2.0	-0.017175	**-17.5225**	ug/L
ê	Ca	44	6038	6601	138	2.1	0.000024	**-10.6606**	ug/L
ê>	Sc	45	1282853	1395570	27034	1.9	1395570.147000		ug/L
ê	Ti	47	53	163	12	7.3	0.000076	**0.5035**	ug/L
ê	Ti	48	-206	743	25	3.4	0.000693	**0.4579**	ug/L
ê	V	51	56	485	23	4.7	0.000304	**0.1252**	ug/L
ê	Cr	52	14940	15452	314	2.0	-0.000569	**-0.3426**	ug/L
ê	Cr	53	56	211	7	3.3	0.000108	**0.5587**	ug/L
ê	Mn	55	1243	1135	10	0.8	-0.000155	**-0.1087**	ug/L
ê	Fe	54	156113	212122	1103	0.5	0.030334	**279.8291**	ug/L
ê	Fe	57	10282	13276	350	2.6	0.001498	**34.5538**	ug/L
ê	Co	59	52	78	6	7.5	0.000015	**-0.0553**	ug/L
ê	Ni	60	52	54	4	7.5	-0.000002	**-0.0455**	ug/L
ë	Ni	62	131	136	19	13.7	-0.000005	**-0.3898**	ug/L
é	Cu	65	14	25	9	36.7	0.000008	**-0.0446**	ug/L
ê	Cu	63	30	55	10	18.9	0.000018	**-0.0592**	ug/L
ê	Zn	66	41	195	14	7.0	0.000123	**0.5509**	ug/L
ê	Zn	68	535	637	50	7.8	0.000049	**0.3710**	ug/L
ê>	Ge	74	1136281	1225292	16286	1.3	1225292.239852		ug/L
ë	As	75	-132	-123	22	18.3	0.000016	**-0.2987**	ug/L
é	Se	77	98	107	9	8.0	0.000002	**1.2841**	ug/L
ê	Se	82	10	10	11	110.1	-0.000000	**0.0914**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	18	2	8.3	0.000002	**0.0019**	ug/L
ê	Mo	97	12	10	2	20.1	-0.000002	**0.0312**	ug/L
ê	Mo	98	19	19	7	38.2	-0.000001	**-0.0050**	ug/L
ê	Ag	107	5	4	2	35.3	-0.000001	**-0.0170**	ug/L
ê	Ag	109	6	5	2	32.7	-0.000001	**-0.0071**	ug/L
ê	Cd	111	3	3	2	62.4	-0.000000	**-0.0035**	ug/L
ê	Cd	114	35	27	13	48.6	-0.000008	**0.0080**	ug/L

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ê>	In	115	1206580	1281045	13133	1.0	1281045.438860		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	7	2	20.8	-0.000001	**-0.0021**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1165467	11289	1.0	1165467.016170		ug/L
ê	Tl	205	4	8	7	84.9	0.000003	**-0.0029**	ug/L
ê	Pb	208	25	39	2	5.4	0.000010	**-0.0113**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	60230	723	1.2	16992.044437		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	108.786
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	107.834
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	106.172
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	105.839
|	Tl	205	
|	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140595-BLK2
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 00:55:38
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 238

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\B140595-BLK2.191
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	6	2	32.9	-0.000001	**-0.1463**	ug/L
ê	B	11	551	11612	743	6.4	0.007533	**38.0727**	ug/L
ê	Na	23	7063	27449	762	2.8	0.013336	**4.1389**	ug/L
ê	Mg	24	264	2898	57	2.0	0.001784	**-6.9002**	ug/L
ê	Al	27	1705	9408	68	0.7	0.005129	**1.8241**	ug/L
ê	K	39	743956	801927	16057	2.0	-0.029677	**-23.1597**	ug/L
ê	Ca	44	6038	6961	242	3.5	0.000069	**-9.9337**	ug/L
ê>	Sc	45	1282853	1457474	34035	2.3	1457474.145328		ug/L
ê	Ti	47	53	213	11	5.0	0.000105	**0.6938**	ug/L
ê	Ti	48	-206	984	41	4.1	0.000836	**0.5446**	ug/L
ê	V	51	56	404	36	9.0	0.000234	**0.0871**	ug/L
ê	Cr	52	14940	16049	503	3.1	-0.000636	**-0.3851**	ug/L
ê	Cr	53	56	174	24	13.5	0.000076	**0.3796**	ug/L
ê	Mn	55	1243	1161	50	4.3	-0.000172	**-0.1174**	ug/L
ê	Fe	54	156113	215962	5711	2.6	0.026476	**242.3639**	ug/L
ê	Fe	57	10282	13288	153	1.1	0.001104	**24.8141**	ug/L
ê	Co	59	52	59	6	9.3	-0.000000	**-0.0642**	ug/L
ê	Ni	60	52	54	12	21.5	-0.000003	**-0.0497**	ug/L
ë	Ni	62	131	122	12	9.9	-0.000018	**-0.6392**	ug/L
é	Cu	65	14	27	7	25.9	0.000010	**-0.0411**	ug/L
ê	Cu	63	30	56	4	7.3	0.000018	**-0.0589**	ug/L
ê	Zn	66	41	772	34	4.3	0.000590	**3.0990**	ug/L
ê	Zn	68	535	1049	28	2.7	0.000379	**2.9533**	ug/L
ê>	Ge	74	1136281	1233206	7640	0.6	1233205.697109		ug/L
ë	As	75	-132	-145	58	39.9	-0.000001	**-0.3811**	ug/L
é	Se	77	98	112	13	11.7	0.000008	**1.6781**	ug/L
ê	Se	82	10	10	16	155.7	-0.000000	**0.1065**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	15	3	17.6	-0.000000	**-0.0051**	ug/L
ê	Mo	97	12	9	3	27.0	-0.000002	**0.0281**	ug/L
ê	Mo	98	19	17	2	12.9	-0.000003	**-0.0086**	ug/L
ê	Ag	107	5	7	3	49.5	0.000001	**-0.0152**	ug/L
ê	Ag	109	6	4	4	109.0	-0.000002	**-0.0074**	ug/L
ê	Cd	111	3	3	2	66.7	-0.000000	**-0.0041**	ug/L
ê	Cd	114	35	34	8	22.9	-0.000002	**0.0140**	ug/L

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ê>	In	115	1206580	1266306	8769	0.7	1266306.311795		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	9	4	44.4	0.000000	**-0.0008**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1185758	10104	0.9	1185757.572594		ug/L
ê	Tl	205	4	4	4	87.4	0.000000	**-0.0039**	ug/L
ê	Pb	208	25	50	15	29.5	0.000019	**-0.0090**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	61568	286	0.5	18330.053204		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	113.612
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	108.530
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	104.950
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	107.681
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140595-BLK3
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 00:59:34
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 239

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\B140595-BLK3.192
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	4	3	58.1	-0.000002	**-0.1556**	ug/L
ê	B	11	551	9533	373	3.9	0.006241	**31.5737**	ug/L
ê	Na	23	7063	59441	913	1.5	0.036078	**15.2908**	ug/L
ê	Mg	24	264	2880	54	1.9	0.001809	**-6.8814**	ug/L
ê	Al	27	1705	9289	121	1.3	0.005169	**1.8443**	ug/L
ê	K	39	743956	794477	15054	1.9	-0.024184	**-20.6827**	ug/L
ê	Ca	44	6038	6865	35	0.5	0.000096	**-9.4911**	ug/L
ê>	Sc	45	1282853	1429726	22549	1.6	1429725.818336		ug/L
ê	Ti	47	53	182	15	8.1	0.000086	**0.5718**	ug/L
ê	Ti	48	-206	902	11	1.2	0.000792	**0.5179**	ug/L
ê	V	51	56	348	3	0.8	0.000200	**0.0691**	ug/L
ê	Cr	52	14940	15526	430	2.8	-0.000783	**-0.4789**	ug/L
ê	Cr	53	56	134	13	9.7	0.000050	**0.2306**	ug/L
ê	Mn	55	1243	1126	14	1.3	-0.000181	**-0.1216**	ug/L
ê	Fe	54	156113	207255	2602	1.3	0.023275	**211.2762**	ug/L
ê	Fe	57	10282	13020	281	2.2	0.001093	**24.5437**	ug/L
ê	Co	59	52	65	11	16.9	0.000005	**-0.0612**	ug/L
ê	Ni	60	52	50	6	12.0	-0.000005	**-0.0546**	ug/L
ë	Ni	62	131	122	26	20.9	-0.000017	**-0.6109**	ug/L
é	Cu	65	14	23	2	8.9	0.000007	**-0.0474**	ug/L
ê	Cu	63	30	43	6	14.1	0.000009	**-0.0701**	ug/L
ê	Zn	66	41	194	18	9.4	0.000124	**0.5581**	ug/L
ê	Zn	68	535	655	48	7.3	0.000070	**0.5313**	ug/L
ê>	Ge	74	1136281	1211702	5314	0.4	1211702.370203		ug/L
ë	As	75	-132	-110	30	26.9	0.000026	**-0.2544**	ug/L
é	Se	77	98	96	9	9.7	-0.000006	**0.6766**	ug/L
ê	Se	82	10	5	6	128.7	-0.000004	**-0.1251**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	15	7	43.7	-0.000000	**-0.0052**	ug/L
ê	Mo	97	12	6	1	9.1	-0.000005	**0.0170**	ug/L
ê	Mo	98	19	18	3	17.9	-0.000002	**-0.0066**	ug/L
ê	Ag	107	5	4	2	43.3	-0.000001	**-0.0172**	ug/L
ê	Ag	109	6	5	3	57.3	-0.000000	**-0.0067**	ug/L
ê	Cd	111	3	4	3	86.6	0.000000	**-0.0021**	ug/L
ê	Cd	114	35	25	4	16.8	-0.000009	**0.0061**	ug/L

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ê>	In	115	1206580	1272522	19053	1.5	1272521.724074		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	8	2	25.0	-0.000001	**-0.0016**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1172319	6271	0.5	1172318.876240		ug/L
ê	Tl	205	4	7	3	34.3	0.000003	**-0.0030**	ug/L
ê	Pb	208	25	37	4	11.8	0.000009	**-0.0117**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	61470	247	0.4	18231.965018		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	111.449
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	106.638
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	105.465
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	106.461
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140595-BLK4
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 01:03:30
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 240

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\B140595-BLK4.193
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	6	2	24.1	-0.000001	**-0.1459**	ug/L
ê	B	11	551	8128	146	1.8	0.005244	**26.5605**	ug/L
ê	Na	23	7063	190943	1793	0.9	0.127772	**60.2548**	ug/L
ê	Mg	24	264	3531	130	3.7	0.002260	**-6.5448**	ug/L
ê	Al	27	1705	12439	179	1.4	0.007354	**2.9561**	ug/L
ê	K	39	743956	802804	13375	1.7	-0.019495	**-18.5685**	ug/L
ê	Ca	44	6038	7136	122	1.7	0.000274	**-6.5576**	ug/L
ê>	Sc	45	1282853	1433472	38950	2.7	1433472.143018		ug/L
ê	Ti	47	53	184	3	1.7	0.000088	**0.5797**	ug/L
ê	Ti	48	-206	1004	44	4.4	0.000861	**0.5597**	ug/L
ê	V	51	56	295	23	7.9	0.000163	**0.0489**	ug/L
ê	Cr	52	14940	15956	621	3.9	-0.000503	**-0.3003**	ug/L
ê	Cr	53	56	161	17	10.4	0.000069	**0.3365**	ug/L
ê	Mn	55	1243	1092	18	1.7	-0.000206	**-0.1343**	ug/L
ê	Fe	54	156113	209881	4670	2.2	0.024799	**226.0764**	ug/L
ê	Fe	57	10282	13113	175	1.3	0.001136	**25.5948**	ug/L
ê	Co	59	52	72	7	10.0	0.000009	**-0.0585**	ug/L
ê	Ni	60	52	51	6	11.8	-0.000004	**-0.0529**	ug/L
ë	Ni	62	131	134	11	8.1	-0.000009	**-0.4628**	ug/L
é	Cu	65	14	24	7	27.4	0.000007	**-0.0465**	ug/L
ê	Cu	63	30	49	7	14.3	0.000013	**-0.0653**	ug/L
ê	Zn	66	41	240	15	6.1	0.000158	**0.7392**	ug/L
ê	Zn	68	535	685	4	0.6	0.000081	**0.6173**	ug/L
ê>	Ge	74	1136281	1241053	22814	1.8	1241053.039974		ug/L
ë	As	75	-132	-106	51	48.1	0.000031	**-0.2296**	ug/L
é	Se	77	98	101	13	13.0	-0.000002	**0.9853**	ug/L
ê	Se	82	10	15	6	39.3	0.000004	**0.3286**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	19	4	19.6	0.000003	**0.0045**	ug/L
ê	Mo	97	12	10	2	21.5	-0.000002	**0.0292**	ug/L
ê	Mo	98	19	15	3	20.6	-0.000004	**-0.0111**	ug/L
ê	Ag	107	5	7	1	7.9	0.000002	**-0.0150**	ug/L
ê	Ag	109	6	5	1	20.0	-0.000001	**-0.0069**	ug/L
ê	Cd	111	3	4	1	15.7	0.000000	**-0.0027**	ug/L
ê	Cd	114	35	27	2	6.6	-0.000008	**0.0080**	ug/L

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ê>	In	115	1206580	1269403	5038	0.4	1269402.802024		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	8	1	6.9	-0.000000	**-0.0013**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1170087	12742	1.1	1170087.117507		ug/L
ê	Tl	205	4	5	2	40.0	0.000001	**-0.0037**	ug/L
ê	Pb	208	25	34	10	30.0	0.000006	**-0.0124**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	61264	413	0.7	18026.420773		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	111.741
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	109.221
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	105.207
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	106.258
|	Tl	205	
|	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140595-BS1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 01:07:26
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 241

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\B140595-BS1.194
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	2245	34	1.5	0.001562	**10.7493**	ug/L
ê	B	11	551	7211	79	1.1	0.004608	**23.3602**	ug/L
ê	Na	23	7063	121282	266	0.2	0.079212	**36.4428**	ug/L
ê	Mg	24	264	2279	64	2.8	0.001386	**-7.1976**	ug/L
ê	Al	27	1705	17367190	327259	1.9	12.132770	**6172.6385**	ug/L
ê	K	39	743956	795437	9050	1.1	-0.024217	**-20.6975**	ug/L
ê	Ca	44	6038	6229	223	3.6	-0.000354	**-16.8833**	ug/L
ê>	Sc	45	1282853	1431882	25643	1.8	1431881.532420		ug/L
ê	Ti	47	53	180	12	6.7	0.000085	**0.5617**	ug/L
ê	Ti	48	-206	841	26	3.0	0.000748	**0.4913**	ug/L
ê	V	51	56	134452	2224	1.7	0.093882	**50.5420**	ug/L
ê	Cr	52	14940	99149	1988	2.0	0.057623	**36.6953**	ug/L
ê	Cr	53	56	9667	135	1.4	0.006710	**38.2059**	ug/L
ê	Mn	55	1243	482496	8602	1.8	0.336035	**167.8509**	ug/L
ê	Fe	54	156113	2142363	27461	1.3	1.375040	**13339.4520**	ug/L
ê	Fe	57	10282	761540	8259	1.1	0.523935	**12945.8299**	ug/L
ê	Co	59	52	51359	612	1.2	0.035840	**21.2623**	ug/L
ê	Ni	60	52	140	7	4.7	0.000057	**0.1147**	ug/L
ë	Ni	62	131	145	14	9.6	-0.000001	**-0.3203**	ug/L
é	Cu	65	14	68984	1016	1.5	0.055510	**131.9995**	ug/L
ê	Cu	63	30	145098	659	0.5	0.116772	**130.9260**	ug/L
ê	Zn	66	41	29275	237	0.8	0.023528	**128.2060**	ug/L
ê	Zn	68	535	19856	92	0.5	0.015512	**121.3299**	ug/L
ê>	Ge	74	1136281	1242434	15674	1.3	1242434.036633		ug/L
ë	As	75	-132	28894	261	0.9	0.023374	**112.5779**	ug/L
é	Se	77	98	395	22	5.7	0.000224	**18.0441**	ug/L
ê	Se	82	10	382	30	7.9	0.000287	**16.1171**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	21	3	14.8	0.000004	**0.0066**	ug/L
ê	Mo	97	12	14	5	37.1	0.000001	**0.0438**	ug/L
ê	Mo	98	19	23	10	44.1	0.000002	**-0.0002**	ug/L
ê	Ag	107	5	20582	323	1.6	0.015882	**13.0983**	ug/L
ê	Ag	109	6	25583	211	0.8	0.019740	**12.7546**	ug/L
ê	Cd	111	3	1174	23	2.0	0.000903	**2.3445**	ug/L
ê	Cd	114	35	2781	25	0.9	0.002118	**2.3892**	ug/L

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ê>	In	115	1206580	1295737	11440	0.9	1295736.694945		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	3607	57	1.6	0.002777	**2.4867**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1176495	18567	1.6	1176495.473066		ug/L
ê	Tl	205	4	49708	314	0.6	0.042256	**13.6852**	ug/L
ê	Pb	208	25	94239	956	1.0	0.080089	**20.0618**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	60772	85	0.1	17534.321804		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	111.617
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	109.342
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	107.389
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	106.840
|	Tl	205	
|	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140595-SRM1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 01:11:22
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 242

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\B140595-SRM1.195
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	20	4	18.0	0.000008	**-0.0811**	ug/L
ê	B	11	551	20695	523	2.5	0.013777	**69.4819**	ug/L
ê	Na	23	7063	262786304	4602183	1.8	180.382466	**88451.5076**	ug/L
ê	Mg	24	264	11049617	129366	1.2	7.584851	**5656.7603**	ug/L
ê	Al	27	1705	21884411	246262	1.1	15.023945	**7643.7329**	ug/L
ê	K	39	743956	273340078	3842087	1.4	187.061643	**84339.0197**	ug/L
ê	Ca	44	6038	1390132	40962	2.9	0.949398	**15584.3538**	ug/L
ê>	Sc	45	1282853	1457011	31684	2.2	1457010.849259		ug/L
ê	Ti	47	53	23599	1560	6.6	0.016146	**103.0617**	ug/L
ê	Ti	48	-206	104539	5462	5.2	0.071985	**43.7072**	ug/L
ê	V	51	56	25655	189	0.7	0.017571	**9.4278**	ug/L
ê	Cr	52	14940	28143	1153	4.1	0.007668	**4.9002**	ug/L
ê	Cr	53	56	3189	38	1.2	0.002146	**12.1841**	ug/L
ê	Mn	55	1243	80090	1288	1.6	0.054020	**26.9571**	ug/L
ê	Fe	54	156113	541357	5276	1.0	0.249929	**2412.5083**	ug/L
ê	Fe	57	10282	139632	4256	3.0	0.087867	**2169.0249**	ug/L
ê	Co	59	52	4162	67	1.6	0.002817	**1.6119**	ug/L
ê	Ni	60	52	4312	109	2.5	0.002920	**7.8780**	ug/L
ë	Ni	62	131	773	19	2.4	0.000429	**7.6136**	ug/L
é	Cu	65	14	55503	102	0.2	0.044419	**105.6133**	ug/L
ê	Cu	63	30	118926	3401	2.9	0.095162	**106.6821**	ug/L
ê	Zn	66	41	77226	1147	1.5	0.061781	**336.8499**	ug/L
ê	Zn	68	535	53338	1402	2.6	0.042221	**330.2650**	ug/L
ê>	Ge	74	1136281	1249290	14782	1.2	1249289.749756		ug/L
ë	As	75	-132	10633	329	3.1	0.008628	**41.3187**	ug/L
é	Se	77	98	554	26	4.6	0.000356	**28.0543**	ug/L
ê	Se	82	10	556	31	5.6	0.000430	**24.1164**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	836	51	6.1	0.000648	**1.8380**	ug/L
ê	Mo	97	12	550	56	10.2	0.000424	**1.9916**	ug/L
ê	Mo	98	19	1413	40	2.9	0.001098	**1.9438**	ug/L
ê	Ag	107	5	319	15	4.6	0.000248	**0.1881**	ug/L
ê	Ag	109	6	362	10	2.7	0.000281	**0.1750**	ug/L
ê	Cd	111	3	956	37	3.9	0.000751	**1.9477**	ug/L
ê	Cd	114	35	2229	33	1.5	0.001728	**1.9528**	ug/L

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ê>	In	115	1206580	1268928	34590	2.7	1268928.270982		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	82	2	1.9	0.000057	**0.0505**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1161208	14958	1.3	1161207.935376		ug/L
ê	Tl	205	4	259	12	4.7	0.000220	**0.0673**	ug/L
ê	Pb	208	25	7349	55	0.7	0.006307	**1.5671**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	362048	1263	0.3	318809.709282		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	113.576
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	109.946
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	105.167
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	105.452
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140595-SRM2
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 01:15:18
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 243

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\B140595-SRM2.196
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	12	3	22.0	0.000003	**-0.1158**	ug/L
ê	B	11	551	10814	226	2.1	0.007426	**37.5315**	ug/L
ê	Na	23	7063	365986468	10087819	2.8	265.798380	**130336.7951**	ug/L
ê	Mg	24	264	13728099	154846	1.1	9.970771	**7438.7623**	ug/L
ê	Al	27	1705	135163	3311	2.4	0.096834	**48.4859**	ug/L
ê	K	39	743956	282532962	8712720	3.1	204.631348	**92261.4537**	ug/L
ê	Ca	44	6038	1417087	35001	2.5	1.024471	**16817.5626**	ug/L
ê>	Sc	45	1282853	1376791	12867	0.9	1376790.688181		ug/L
ê	Ti	47	53	21130	118	0.6	0.015307	**97.7112**	ug/L
ê	Ti	48	-206	40129	4998	12.5	0.029328	**17.8296**	ug/L
ê	V	51	56	154642	903	0.6	0.112282	**60.4554**	ug/L
ê	Cr	52	14940	25023	1252	5.0	0.006525	**4.1723**	ug/L
ê	Cr	53	56	3226	170	5.3	0.002299	**13.0563**	ug/L
ê	Mn	55	1243	285382	3466	1.2	0.206338	**103.0548**	ug/L
ê	Fe	54	156113	365392	5545	1.5	0.143739	**1381.2092**	ug/L
ê	Fe	57	10282	74861	1083	1.4	0.046366	**1143.3842**	ug/L
ê	Co	59	52	17495	64	0.4	0.012668	**7.4737**	ug/L
ê	Ni	60	52	16529	321	1.9	0.011964	**32.4115**	ug/L
ë	Ni	62	131	2572	48	1.9	0.001766	**32.3080**	ug/L
é	Cu	65	14	1601925	23546	1.5	1.318304	**3136.2807**	ug/L
ê	Cu	63	30	3636653	40384	1.1	2.992694	**3357.4069**	ug/L
ê	Zn	66	41	198811	3274	1.6	0.163564	**891.9953**	ug/L
ê	Zn	68	535	134976	3473	2.6	0.110596	**865.1358**	ug/L
ê>	Ge	74	1136281	1215179	10083	0.8	1215179.059827		ug/L
ë	As	75	-132	100514	1431	1.4	0.082832	**399.9170**	ug/L
é	Se	77	98	1279	48	3.7	0.000959	**73.7324**	ug/L
ê	Se	82	10	1665	68	4.1	0.001346	**75.2716**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	9904	128	1.3	0.008043	**22.8885**	ug/L
ê	Mo	97	12	6286	155	2.5	0.005103	**23.5598**	ug/L
ê	Mo	98	19	16326	164	1.0	0.013263	**23.5297**	ug/L
ê	Ag	107	5	105011	1931	1.8	0.085400	**70.5034**	ug/L
ê	Ag	109	6	127068	1804	1.4	0.103339	**66.7963**	ug/L
ê	Cd	111	3	125214	1201	1.0	0.101827	**264.6640**	ug/L
ê	Cd	114	35	290364	1539	0.5	0.236126	**264.5626**	ug/L

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ê>	In	115	1206580	1229646	12926	1.1	1229646.192438		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	533	23	4.3	0.000426	**0.3808**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1160278	6075	0.5	1160277.863875		ug/L
ê	Tl	205	4	271	12	4.3	0.000230	**0.0705**	ug/L
ê	Pb	208	25	6693	136	2.0	0.005745	**1.4263**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	318620	2385	0.7	275382.096494		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	107.323
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	106.944
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	101.912
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	105.367
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVB
Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 08, 2014 01:19:16
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCVB.197
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	5670	43	0.8	0.004469	**3.1007**	ug/L
ê	B	11	551	102071	1315	1.3	0.080123	**40.3208**	ug/L
ê	Na	23	7063	7877151	42648	0.5	6.211001	**304.3280**	ug/L
ê	Mg	24	264	5276845	113244	2.1	4.163940	**310.1741**	ug/L
ê	Al	27	1705	755352	5888	0.8	0.594784	**30.1854**	ug/L
ê	K	39	743956	9385562	201673	2.1	6.827627	**306.8898**	ug/L
ê	Ca	44	6038	478151	6299	1.3	0.372630	**610.9994**	ug/L
ê>	Sc	45	1282853	1267140	6417	0.5	1267140.213618		ug/L
ê	Ti	47	53	8181	83	1.0	0.006416	**4.0965**	ug/L
ê	Ti	48	-206	84476	3566	4.2	0.066830	**4.0580**	ug/L
ê	V	51	56	71427	281	0.4	0.056327	**3.0309**	ug/L
ê	Cr	52	14940	73275	612	0.8	0.046184	**2.9414**	ug/L
ê	Cr	53	56	7167	180	2.5	0.005612	**3.1948**	ug/L
ê	Mn	55	1243	33656	308	0.9	0.025592	**1.2755**	ug/L
ê	Fe	54	156113	298867	3153	1.1	0.114163	**109.3968**	ug/L
ê	Fe	57	10282	65386	1285	2.0	0.043584	**107.4653**	ug/L
ê	Co	59	52	45452	849	1.9	0.035828	**2.1255**	ug/L
ê	Ni	60	52	20397	381	1.9	0.016056	**4.3509**	ug/L
ë	Ni	62	131	3037	63	2.1	0.002294	**4.2064**	ug/L
é	Cu	65	14	12332	274	2.2	0.010836	**2.5717**	ug/L
ê	Cu	63	30	26856	339	1.3	0.023604	**2.6402**	ug/L
ê	Zn	66	41	9042	26	0.3	0.007920	**4.3075**	ug/L
ê	Zn	68	535	6729	127	1.9	0.005449	**4.2609**	ug/L
ê>	Ge	74	1136281	1136637	11242	1.0	1136636.927408		ug/L
ë	As	75	-132	12753	306	2.4	0.011335	**5.4401**	ug/L
é	Se	77	98	1602	35	2.2	0.001259	**9.6436**	ug/L
ê	Se	82	10	2014	7	0.3	0.001676	**9.3706**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	2551	86	3.4	0.002120	**0.6031**	ug/L
ê	Mo	97	12	1589	45	2.8	0.001319	**0.6120**	ug/L
ê	Mo	98	19	4077	70	1.7	0.003394	**0.6017**	ug/L
ê	Ag	107	5	6140	134	2.2	0.005130	**0.4220**	ug/L
ê	Ag	109	6	7706	114	1.5	0.006440	**0.4156**	ug/L
ê	Cd	111	3	1868	21	1.1	0.001559	**0.4050**	ug/L
ê	Cd	114	35	4332	100	2.3	0.003593	**0.4042**	ug/L

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ê>	In	115	1206580	1196307	23870	2.0	1196306.996215		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	5483	101	1.8	0.004579	**0.4101**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1091526	8497	0.8	1091525.705229		ug/L
ê	Tl	205	4	7355	100	1.4	0.006734	**0.2178**	ug/L
ê	Pb	208	25	24086	197	0.8	0.022044	**0.5512**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	49992	1150	2.3	6753.680178		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	98.775
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	100.031
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	99.149
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	99.124
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBB

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 08, 2014 01:23:12
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCBB.198
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	6	0	0.0	-0.000001	**-0.0144**	ug/L
ê	B	11	551	4921	123	2.5	0.003393	**1.7248**	ug/L
ê	Na	23	7063	27151	3826	14.1	0.015620	**0.5259**	ug/L
ê	Mg	24	264	2081	780	37.5	0.001418	**-0.7174**	ug/L
ê	Al	27	1705	2617	137	5.2	0.000705	**-0.0427**	ug/L
ê	K	39	743956	728430	5496	0.8	-0.014036	**-1.6107**	ug/L
ê	Ca	44	6038	5736	147	2.6	-0.000250	**-1.5160**	ug/L
ê>	Sc	45	1282853	1287363	21324	1.7	1287363.366217		ug/L
ê	Ti	47	53	70	7	9.7	0.000014	**0.0108**	ug/L
ê	Ti	48	-206	-36	2	5.7	0.000133	**0.0118**	ug/L
ê	V	51	56	266	6	2.2	0.000163	**0.0049**	ug/L
ê	Cr	52	14940	14053	197	1.4	-0.000730	**-0.0445**	ug/L
ê	Cr	53	56	118	9	7.9	0.000048	**0.0221**	ug/L
ê	Mn	55	1243	1003	70	6.9	-0.000189	**-0.0126**	ug/L
ê	Fe	54	156113	154774	2070	1.3	-0.001456	**-2.8916**	ug/L
ê	Fe	57	10282	10395	449	4.3	0.000062	**-0.0946**	ug/L
ê	Co	59	52	59	12	21.2	0.000005	**-0.0061**	ug/L
ê	Ni	60	52	56	7	13.4	0.000003	**-0.0032**	ug/L
ë	Ni	62	131	96	14	14.7	-0.000027	**-0.0808**	ug/L
é	Cu	65	14	73	11	15.2	0.000051	**0.0057**	ug/L
ê	Cu	63	30	142	42	29.6	0.000097	**0.0029**	ug/L
ê	Zn	66	41	88	2	1.7	0.000040	**0.0101**	ug/L
ê	Zn	68	535	510	11	2.2	-0.000027	**-0.0228**	ug/L
ê>	Ge	74	1136281	1149816	25617	2.2	1149816.165046		ug/L
ë	As	75	-132	-64	67	104.2	0.000062	**-0.0081**	ug/L
é	Se	77	98	87	23	26.1	-0.000008	**0.0536**	ug/L
ê	Se	82	10	10	0	0.2	0.000000	**0.0123**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	16	2	13.3	0.000001	**-0.0001**	ug/L
ê	Mo	97	12	10	2	21.5	-0.000002	**0.0032**	ug/L
ê	Mo	98	19	18	5	28.0	-0.000000	**-0.0005**	ug/L
ê	Ag	107	5	10	5	46.6	0.000004	**-0.0013**	ug/L
ê	Ag	109	6	15	2	14.2	0.000008	**-0.0001**	ug/L
ê	Cd	111	3	5	2	40.0	0.000001	**0.0001**	ug/L
ê	Cd	114	35	37	1	2.7	0.000002	**0.0019**	ug/L

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ê>	In	115	1206580	1186465	7999	0.7	1186465.423044		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	15	3	17.2	0.000005	**0.0004**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1096207	6186	0.6	1096206.853927		ug/L
ê	Tl	205	4	5	1	20.0	0.000001	**-0.0004**	ug/L
ê	Pb	208	25	55	9	16.8	0.000027	**-0.0007**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	48882	754	1.5	5643.831917		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	100.352
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	101.191
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	98.333
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	99.549
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-01RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 01:27:10
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 244

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-01RE1.199
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	7	2	31.5	-0.000001	**-0.1421**	ug/L
ê	B	11	551	26611	288	1.1	0.017538	**88.3997**	ug/L
ê	Na	23	7063	363194402	5026082	1.4	245.194310	**120233.2050**	ug/L
ê	Mg	24	264	63720442	847744	1.3	43.020137	**32122.7556**	ug/L
ê	Al	27	1705	182836	801	0.4	0.122118	**61.3509**	ug/L
ê	K	39	743956	28963872	316205	1.1	18.977160	**8547.2979**	ug/L
ê	Ca	44	6038	15354187	399765	2.6	10.360512	**170177.3495**	ug/L
ê>	Sc	45	1282853	1481188	14754	1.0	1481188.283314		ug/L
ê	Ti	47	53	2953	71	2.4	0.001952	**12.4813**	ug/L
ê	Ti	48	-206	81462	23948	29.4	0.055256	**33.5586**	ug/L
ê	V	51	56	4632	86	1.9	0.003084	**1.6228**	ug/L
ê	Cr	52	14940	29748	465	1.6	0.008437	**5.3894**	ug/L
ê	Cr	53	56	2437	64	2.6	0.001602	**9.0798**	ug/L
ê	Mn	55	1243	30799	139	0.5	0.019826	**9.8736**	ug/L
ê	Fe	54	156113	249930	5505	2.2	0.047031	**441.9867**	ug/L
ê	Fe	57	10282	13983	1432	10.2	0.001427	**32.7999**	ug/L
ê	Co	59	52	1376	19	1.4	0.000888	**0.4645**	ug/L
ê	Ni	60	52	-2548	50	2.0	-0.001761	**-4.8167**	ug/L
ë	Ni	62	131	356	19	5.4	0.000139	**2.2565**	ug/L
é	Cu	65	14	1584	51	3.2	0.001290	**3.0057**	ug/L
ê	Cu	63	30	6790	52	0.8	0.005554	**6.1519**	ug/L
ê	Zn	66	41	5140	32	0.6	0.004189	**22.7270**	ug/L
ê	Zn	68	535	4025	40	1.0	0.002837	**22.1821**	ug/L
ê>	Ge	74	1136281	1216797	24599	2.0	1216796.802813		ug/L
ë	As	75	-132	2554	52	2.0	0.002216	**10.3320**	ug/L
é	Se	77	98	218	16	7.4	0.000091	**8.0183**	ug/L
ê	Se	82	10	207	35	16.9	0.000156	**8.8130**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	1715	67	3.9	0.001342	**3.8151**	ug/L
ê	Mo	97	12	1053	45	4.3	0.000822	**3.8267**	ug/L
ê	Mo	98	19	2704	95	3.5	0.002119	**3.7564**	ug/L
ê	Ag	107	5	35	6	15.9	0.000023	**0.0028**	ug/L
ê	Ag	109	6	44	5	10.4	0.000030	**0.0130**	ug/L
ê	Cd	111	3	37	2	4.2	0.000026	**0.0650**	ug/L
ê	Cd	114	35	89	9	10.2	0.000041	**0.0629**	ug/L

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ê>	In	115	1206580	1266300	10239	0.8	1266300.028481		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	57	6	9.6	0.000038	**0.0334**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1187652	28617	2.4	1187651.778081		ug/L
ê	Tl	205	4	16	5	31.3	0.000010	**-0.0007**	ug/L
ê	Pb	208	25	4426	48	1.1	0.003705	**0.9148**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	135514	1113	0.8	92276.067938		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	115.460
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	107.086
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	104.950
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	107.853
|	Tl	205	
|	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140595-DUP1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 01:31:06
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 245

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\B140595-DUP1.200
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	5	2	32.7	-0.000002	**-0.1540**	ug/L
ê	B	11	551	25218	853	3.4	0.017093	**86.1605**	ug/L
ê	Na	23	7063	361021841	11533553	3.2	250.849847	**123006.5032**	ug/L
ê	Mg	24	264	59533356	437994	0.7	41.366532	**30887.7069**	ug/L
ê	Al	27	1705	89458	1636	1.8	0.060830	**30.1662**	ug/L
ê	K	39	743956	28240741	435925	1.5	19.043254	**8577.1007**	ug/L
ê	Ca	44	6038	13045531	212481	1.6	9.059893	**148812.5445**	ug/L
ê>	Sc	45	1282853	1439163	1178	0.1	1439163.367702		ug/L
ê	Ti	47	53	1573	94	6.0	0.001052	**6.7359**	ug/L
ê	Ti	48	-206	70832	36892	52.1	0.049388	**29.9984**	ug/L
ê	V	51	56	3925	89	2.3	0.002684	**1.4072**	ug/L
ê	Cr	52	14940	30461	264	0.9	0.009519	**6.0783**	ug/L
ê	Cr	53	56	2551	12	0.5	0.001729	**9.8023**	ug/L
ê	Mn	55	1243	26743	89	0.3	0.017613	**8.7684**	ug/L
ê	Fe	54	156113	239321	1099	0.5	0.044600	**418.3789**	ug/L
ê	Fe	57	10282	13728	1153	8.4	0.001524	**35.1879**	ug/L
ê	Co	59	52	1247	2	0.1	0.000826	**0.4274**	ug/L
ê	Ni	60	52	-1766	110	6.2	-0.001268	**-3.4795**	ug/L
ë	Ni	62	131	350	17	4.8	0.000141	**2.2988**	ug/L
é	Cu	65	14	1484	100	6.7	0.001231	**2.8640**	ug/L
ê	Cu	63	30	6512	37	0.6	0.005424	**6.0054**	ug/L
ê	Zn	66	41	4944	104	2.1	0.004102	**22.2518**	ug/L
ê	Zn	68	535	3789	28	0.7	0.002700	**21.1096**	ug/L
ê>	Ge	74	1136281	1194802	12273	1.0	1194801.506766		ug/L
ë	As	75	-132	2402	69	2.9	0.002127	**9.9015**	ug/L
é	Se	77	98	212	21	10.1	0.000088	**7.7322**	ug/L
ê	Se	82	10	189	20	10.6	0.000141	**8.0052**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	1454	32	2.2	0.001140	**3.2405**	ug/L
ê	Mo	97	12	957	32	3.3	0.000748	**3.4883**	ug/L
ê	Mo	98	19	2383	78	3.3	0.001873	**3.3191**	ug/L
ê	Ag	107	5	35	11	31.9	0.000023	**0.0029**	ug/L
ê	Ag	109	6	38	6	14.7	0.000025	**0.0100**	ug/L
ê	Cd	111	3	25	4	16.4	0.000017	**0.0420**	ug/L
ê	Cd	114	35	94	4	4.5	0.000045	**0.0674**	ug/L

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ê>	In	115	1206580	1262238	22111	1.8	1262237.941171		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	43	7	17.0	0.000027	**0.0235**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1162635	14213	1.2	1162635.186792		ug/L
ê	Tl	205	4	19	8	39.5	0.000013	**0.0003**	ug/L
ê	Pb	208	25	2573	73	2.8	0.002191	**0.5354**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	133170	1270	1.0	89931.852885		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	112.185
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	105.150
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	104.613
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	105.581
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140595-MS1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 01:35:02
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 246

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\B140595-MS1.201
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	2228	70	3.1	0.001606	**11.0505**	ug/L
ê	B	11	551	25109	471	1.9	0.017729	**89.3612**	ug/L
ê	Na	23	7063	359690907	2167511	0.6	260.101856	**127543.3984**	ug/L
ê	Mg	24	264	64675304	481587	0.7	46.768788	**34922.5576**	ug/L
ê	Al	27	1705	17211307	211876	1.2	12.444432	**6331.2193**	ug/L
ê	K	39	743956	28728046	248029	0.9	20.194115	**9096.0405**	ug/L
ê	Ca	44	6038	14474207	144804	1.0	10.461889	**171842.6316**	ug/L
ê>	Sc	45	1282853	1382873	6261	0.5	1382872.597734		ug/L
ê	Ti	47	53	1909	101	5.3	0.001340	**8.5725**	ug/L
ê	Ti	48	-206	89613	30202	33.7	0.065007	**39.4739**	ug/L
ê	V	51	56	134073	2495	1.9	0.096910	**52.1735**	ug/L
ê	Cr	52	14940	103923	2025	1.9	0.063501	**40.4366**	ug/L
ê	Cr	53	56	11232	135	1.2	0.008079	**46.0148**	ug/L
ê	Mn	55	1243	481207	5779	1.2	0.347025	**173.3414**	ug/L
ê	Fe	54	156113	2148040	15904	0.7	1.431637	**13889.1202**	ug/L
ê	Fe	57	10282	721790	6964	1.0	0.513944	**12698.9123**	ug/L
ê	Co	59	52	51780	704	1.4	0.037404	**22.1932**	ug/L
ê	Ni	60	52	-2823	73	2.6	-0.002082	**-5.6887**	ug/L
ë	Ni	62	131	350	27	7.9	0.000151	**2.4804**	ug/L
é	Cu	65	14	66023	801	1.2	0.055677	**132.3952**	ug/L
ê	Cu	63	30	141900	2433	1.7	0.119664	**134.1705**	ug/L
ê	Zn	66	41	33239	332	1.0	0.028000	**152.6004**	ug/L
ê	Zn	68	535	23173	251	1.1	0.019075	**149.2033**	ug/L
ê>	Ge	74	1136281	1185551	2609	0.2	1185551.149552		ug/L
ë	As	75	-132	31068	744	2.4	0.026321	**126.8225**	ug/L
é	Se	77	98	522	15	2.8	0.000349	**27.5547**	ug/L
ê	Se	82	10	564	17	3.0	0.000456	**25.5898**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	1804	38	2.1	0.001474	**4.1912**	ug/L
ê	Mo	97	12	1130	16	1.4	0.000922	**4.2867**	ug/L
ê	Mo	98	19	2939	73	2.5	0.002405	**4.2627**	ug/L
ê	Ag	107	5	18812	154	0.8	0.015493	**12.7770**	ug/L
ê	Ag	109	6	24007	288	1.2	0.019770	**12.7738**	ug/L
ê	Cd	111	3	1167	50	4.3	0.000959	**2.4900**	ug/L
ê	Cd	114	35	2725	34	1.2	0.002215	**2.4986**	ug/L

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ê>	In	115	1206580	1214213	24936	2.1	1214213.267258		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	3573	123	3.4	0.002937	**2.6298**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1151357	7665	0.7	1151356.751392		ug/L
ê	Tl	205	4	46379	710	1.5	0.040278	**13.0445**	ug/L
ê	Pb	208	25	91589	1732	1.9	0.079524	**19.9203**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	125553	354	0.3	82314.641727		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	107.797
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	104.336
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	100.633
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	104.557
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140595-MSD1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 01:38:58
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 247

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\B140595-MSD1.202
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	2264	42	1.9	0.001576	**10.8439**	ug/L
ê	B	11	551	26591	91	0.3	0.018146	**91.4576**	ug/L
ê	Na	23	7063	354864450	4668958	1.3	247.880151	**121550.2570**	ug/L
ê	Mg	24	264	68227191	149639	0.2	47.659641	**35587.9205**	ug/L
ê	Al	27	1705	17447396	328569	1.9	12.187022	**6200.2434**	ug/L
ê	K	39	743956	28002272	404164	1.4	18.981379	**8549.2001**	ug/L
ê	Ca	44	6038	17896968	15778	0.1	12.497207	**205276.0720**	ug/L
ê>	Sc	45	1282853	1431553	5072	0.4	1431553.216400		ug/L
ê	Ti	47	53	3027	164	5.4	0.002073	**13.2503**	ug/L
ê	Ti	48	-206	95693	26817	28.0	0.066966	**40.6621**	ug/L
ê	V	51	56	135292	2307	1.7	0.094462	**50.8542**	ug/L
ê	Cr	52	14940	109940	394	0.4	0.065153	**41.4879**	ug/L
ê	Cr	53	56	11685	126	1.1	0.008119	**46.2407**	ug/L
ê	Mn	55	1243	487409	1927	0.4	0.339509	**169.5865**	ug/L
ê	Fe	54	156113	2133168	17495	0.8	1.368399	**13274.9549**	ug/L
ê	Fe	57	10282	732485	8046	1.1	0.503668	**12444.9647**	ug/L
ê	Co	59	52	51100	233	0.5	0.035655	**21.1520**	ug/L
ê	Ni	60	52	-3433	99	2.9	-0.002439	**-6.6555**	ug/L
ë	Ni	62	131	366	53	14.4	0.000153	**2.5324**	ug/L
é	Cu	65	14	65803	549	0.8	0.055746	**132.5597**	ug/L
ê	Cu	63	30	145688	1310	0.9	0.123420	**138.3841**	ug/L
ê	Zn	66	41	32848	248	0.8	0.027799	**151.5008**	ug/L
ê	Zn	68	535	22516	405	1.8	0.018606	**145.5313**	ug/L
ê>	Ge	74	1136281	1180218	15007	1.3	1180217.696136		ug/L
ë	As	75	-132	31010	501	1.6	0.026391	**127.1591**	ug/L
é	Se	77	98	495	20	4.1	0.000319	**25.2436**	ug/L
ê	Se	82	10	550	57	10.5	0.000436	**24.4636**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	1770	41	2.3	0.001419	**4.0339**	ug/L
ê	Mo	97	12	1064	40	3.8	0.000850	**3.9565**	ug/L
ê	Mo	98	19	2815	113	4.0	0.002260	**4.0055**	ug/L
ê	Ag	107	5	19066	164	0.9	0.015406	**12.7052**	ug/L
ê	Ag	109	6	24161	304	1.3	0.019522	**12.6137**	ug/L
ê	Cd	111	3	1164	50	4.3	0.000938	**2.4356**	ug/L
ê	Cd	114	35	2811	47	1.7	0.002243	**2.5293**	ug/L

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ê>	In	115	1206580	1237293	5538	0.4	1237292.869483		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	3604	57	1.6	0.002906	**2.6023**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1148970	8782	0.8	1148969.619913		ug/L
ê	Tl	205	4	46495	1091	2.3	0.040460	**13.1036**	ug/L
ê	Pb	208	25	92976	1040	1.1	0.080900	**20.2651**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	120346	944	0.8	77108.473609		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	111.591
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	103.867
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	102.545
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	104.340
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-02RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 01:42:54
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 248

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-02RE1.203
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	8	1	12.5	-0.000000	**-0.1388**	ug/L
ê	B	11	551	22749	528	2.3	0.015012	**75.6920**	ug/L
ê	Na	23	7063	384603826	8371585	2.2	261.051798	**128009.2198**	ug/L
ê	Mg	24	264	51545912	590205	1.1	34.991241	**26126.1142**	ug/L
ê	Al	27	1705	80276	4239	5.3	0.053131	**26.2486**	ug/L
ê	K	39	743956	32874653	639645	1.9	21.735105	**9790.8951**	ug/L
ê	Ca	44	6038	8146621	78728	1.0	5.525892	**90760.7822**	ug/L
ê>	Sc	45	1282853	1473438	36549	2.5	1473437.685555		ug/L
ê	Ti	47	53	1253	25	2.0	0.000810	**5.1878**	ug/L
ê	Ti	48	-206	37093	11413	30.8	0.025234	**15.3459**	ug/L
ê	V	51	56	2984	89	3.0	0.001982	**1.0289**	ug/L
ê	Cr	52	14940	21128	337	1.6	0.002703	**1.7399**	ug/L
ê	Cr	53	56	1259	62	4.9	0.000811	**4.5687**	ug/L
ê	Mn	55	1243	13876	411	3.0	0.008450	**4.1902**	ug/L
ê	Fe	54	156113	239360	3221	1.3	0.040803	**381.5062**	ug/L
ê	Fe	57	10282	11267	1072	9.5	-0.000373	**-11.6953**	ug/L
ê	Co	59	52	1282	33	2.5	0.000829	**0.4293**	ug/L
ê	Ni	60	52	-1354	31	2.3	-0.000960	**-2.6451**	ug/L
ë	Ni	62	131	260	33	12.9	0.000074	**1.0669**	ug/L
é	Cu	65	14	1870	48	2.5	0.001493	**3.4881**	ug/L
ê	Cu	63	30	7730	52	0.7	0.006195	**6.8701**	ug/L
ê	Zn	66	41	3234	107	3.3	0.002567	**13.8804**	ug/L
ê	Zn	68	535	2682	63	2.4	0.001688	**13.1915**	ug/L
ê>	Ge	74	1136281	1242532	12979	1.0	1242531.760535		ug/L
ë	As	75	-132	2870	10	0.4	0.002426	**11.3480**	ug/L
é	Se	77	98	219	16	7.2	0.000088	**7.7536**	ug/L
ê	Se	82	10	229	6	2.5	0.000168	**9.5215**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	1692	71	4.2	0.001290	**3.6669**	ug/L
ê	Mo	97	12	1026	35	3.4	0.000780	**3.6328**	ug/L
ê	Mo	98	19	2681	34	1.3	0.002047	**3.6279**	ug/L
ê	Ag	107	5	32	5	14.9	0.000020	**0.0004**	ug/L
ê	Ag	109	6	33	6	16.9	0.000021	**0.0070**	ug/L
ê	Cd	111	3	13	1	8.7	0.000008	**0.0164**	ug/L
ê	Cd	114	35	59	8	13.3	0.000017	**0.0354**	ug/L

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ê>	In	115	1206580	1299568	16014	1.2	1299567.553906		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	30	4	12.8	0.000016	**0.0133**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1184815	7778	0.7	1184814.767900		ug/L
ê	Tl	205	4	39	14	34.7	0.000030	**0.0057**	ug/L
ê	Pb	208	25	1034	63	6.1	0.000850	**0.1992**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	117990	1890	1.6	74752.336627		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	114.856
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	109.351
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	107.707
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	107.596
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-03RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 01:46:50
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 249

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-03RE1.204
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	4	1	25.0	-0.000003	**-0.1604**	ug/L
ê	B	11	551	28827	7633	26.5	0.015456	**77.9270**	ug/L
ê	Na	23	7063	437888554	106147955	24.2	242.364110	**118845.3635**	ug/L
ê	Mg	24	264	61620762	13443673	21.8	34.263895	**25582.8719**	ug/L
ê	Al	27	1705	138193	35963	26.0	0.074894	**37.3219**	ug/L
ê	K	39	743956	39152500	13958669	35.7	20.611993	**9284.4678**	ug/L
ê	Ca	44	6038	10320433	3460853	33.5	5.604670	**92054.8319**	ug/L
ê>	Sc	45	1282853	1837612	604814	32.9	1837612.139645		ug/L
ê	Ti	47	53	1885	638	33.8	0.000983	**6.2960**	ug/L
ê	Ti	48	-206	50594	26348	52.1	0.026707	**16.2394**	ug/L
ê	V	51	56	5185	1708	33.0	0.002778	**1.4579**	ug/L
ê	Cr	52	14940	28004	15810	56.5	0.002889	**1.8583**	ug/L
ê	Cr	53	56	1615	582	36.0	0.000830	**4.6786**	ug/L
ê	Mn	55	1243	18428	5552	30.1	0.009115	**4.5226**	ug/L
ê	Fe	54	156113	298845	109542	36.7	0.039742	**371.1940**	ug/L
ê	Fe	57	10282	18594	9745	52.4	0.001716	**39.9449**	ug/L
ê	Co	59	52	1557	604	38.8	0.000797	**0.4100**	ug/L
ê	Ni	60	52	-356	63	17.6	-0.000246	**-0.7078**	ug/L
ë	Ni	62	131	523	173	33.1	0.000182	**3.0636**	ug/L
é	Cu	65	14	2471	711	28.8	0.001650	**3.8623**	ug/L
ê	Cu	63	30	9897	3632	36.7	0.006551	**7.2698**	ug/L
ê	Zn	66	41	7153	1811	25.3	0.004800	**26.0616**	ug/L
ê	Zn	68	535	5495	1423	25.9	0.003240	**25.3319**	ug/L
ê>	Ge	74	1136281	1478753	370676	25.1	1478752.623464		ug/L
ë	As	75	-132	3646	981	26.9	0.002575	**12.0676**	ug/L
é	Se	77	98	350	122	35.0	0.000162	**13.3696**	ug/L
ê	Se	82	10	351	142	40.5	0.000234	**13.2079**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	1146	389	33.9	0.000785	**2.2307**	ug/L
ê	Mo	97	12	724	273	37.6	0.000492	**2.3076**	ug/L
ê	Mo	98	19	1843	683	37.1	0.001262	**2.2351**	ug/L
ê	Ag	107	5	29	9	31.7	0.000016	**-0.0029**	ug/L
ê	Ag	109	6	26	4	15.8	0.000014	**0.0026**	ug/L
ê	Cd	111	3	27	3	10.8	0.000016	**0.0390**	ug/L
ê	Cd	114	35	93	25	27.0	0.000036	**0.0575**	ug/L

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ê>	In	115	1206580	1412483	215552	15.3	1412483.144919		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	47	10	22.2	0.000027	**0.0233**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1279262	174229	13.6	1279261.901398		ug/L
ê	Tl	205	4	18	2	11.4	0.000011	**-0.0003**	ug/L
ê	Pb	208	25	1350	170	12.6	0.001033	**0.2451**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	144705	6037	4.2	101466.689887		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	143.244
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	130.140
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	117.065
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	116.173
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-04RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 01:50:47
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 250

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-04RE1.205
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	6	6	91.2	-0.000003	**-0.1587**	ug/L
ê	B	11	551	36407	9560	26.3	0.014704	**74.1411**	ug/L
ê	Na	23	7063	610614920	134983272	22.1	256.678770	**125864.8240**	ug/L
ê	Mg	24	264	73312451	16319851	22.3	30.807261	**23001.1722**	ug/L
ê	Al	27	1705	166573	40070	24.1	0.068338	**33.9862**	ug/L
ê	K	39	743956	61623118	20691299	33.6	24.533944	**11052.9321**	ug/L
ê	Ca	44	6038	9564586	3209334	33.6	3.894948	**63969.8517**	ug/L
ê>	Sc	45	1282853	2442903	781716	32.0	2442903.220985		ug/L
ê	Ti	47	53	2761	1103	40.0	0.001067	**6.8297**	ug/L
ê	Ti	48	-206	78227	32079	41.0	0.031439	**19.1103**	ug/L
ê	V	51	56	6952	2357	33.9	0.002788	**1.4633**	ug/L
ê	Cr	52	14940	47326	23185	49.0	0.006848	**4.3782**	ug/L
ê	Cr	53	56	2627	1062	40.4	0.001009	**5.6955**	ug/L
ê	Mn	55	1243	30674	9998	32.6	0.011584	**5.7560**	ug/L
ê	Fe	54	156113	429076	165427	38.6	0.051237	**482.8361**	ug/L
ê	Fe	57	10282	35659	18495	51.9	0.005941	**144.3452**	ug/L
ê	Co	59	52	3129	1144	36.6	0.001227	**0.6660**	ug/L
ê	Ni	60	52	30	591	1982.2	-0.000071	**-0.2345**	ug/L
ë	Ni	62	131	603	173	28.7	0.000147	**2.4068**	ug/L
é	Cu	65	14	2196	724	33.0	0.001142	**2.6526**	ug/L
ê	Cu	63	30	12302	4471	36.3	0.006385	**7.0837**	ug/L
ê	Zn	66	41	6987	1923	27.5	0.003683	**19.9676**	ug/L
ê	Zn	68	535	5501	1727	31.4	0.002430	**18.9969**	ug/L
ê>	Ge	74	1136281	1887889	561718	29.8	1887888.596103		ug/L
ë	As	75	-132	6972	1708	24.5	0.003854	**18.2469**	ug/L
é	Se	77	98	572	257	44.9	0.000261	**20.8920**	ug/L
ê	Se	82	10	558	225	40.4	0.000327	**18.3905**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	1518	509	33.5	0.000906	**2.5737**	ug/L
ê	Mo	97	12	979	333	34.0	0.000581	**2.7188**	ug/L
ê	Mo	98	19	2486	866	34.9	0.001484	**2.6293**	ug/L
ê	Ag	107	5	29	11	38.9	0.000013	**-0.0054**	ug/L
ê	Ag	109	6	30	5	15.6	0.000014	**0.0025**	ug/L
ê	Cd	111	3	24	6	24.1	0.000013	**0.0304**	ug/L
ê	Cd	114	35	88	16	18.3	0.000025	**0.0449**	ug/L

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ê>	In	115	1206580	1621422	243908	15.0	1621422.056957		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	190	14	7.5	0.000111	**0.0989**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1467503	195196	13.3	1467502.671194		ug/L
ê	Tl	205	4	18	5	27.8	0.000009	**-0.0011**	ug/L
ê	Pb	208	25	867	126	14.6	0.000567	**0.1283**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	148903	8229	5.5	105664.549306		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	190.427
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	166.146
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	134.382
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	133.267
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-05RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 01:54:43
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 251

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-05RE1.206
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	8	3	38.6	-0.000003	**-0.1627**	ug/L
ê	B	11	551	62183	1100	1.8	0.014425	**72.7423**	ug/L
ê	Na	23	7063	813826017	19844553	2.4	194.396839	**95323.7170**	ug/L
ê	Mg	24	264	133802980	1627367	1.2	31.965747	**23866.4254**	ug/L
ê	Al	27	1705	583387	14133	2.4	0.138030	**69.4470**	ug/L
ê	K	39	743956	94327808	2825053	3.0	21.952961	**9889.1296**	ug/L
ê	Ca	44	6038	44503138	1694754	3.8	10.624642	**174516.1158**	ug/L
ê>	Sc	45	1282853	4185914	59273	1.4	4185914.114300		ug/L
ê	Ti	47	53	7831	263	3.4	0.001830	**11.6970**	ug/L
ê	Ti	48	-206	240245	26117	10.9	0.057597	**34.9785**	ug/L
ê	V	51	56	15099	502	3.3	0.003563	**1.8810**	ug/L
ê	Cr	52	14940	126807	3446	2.7	0.018645	**11.8866**	ug/L
ê	Cr	53	56	8146	128	1.6	0.001903	**10.7933**	ug/L
ê	Mn	55	1243	98780	2740	2.8	0.022627	**11.2734**	ug/L
ê	Fe	54	156113	820950	7527	0.9	0.074441	**708.1907**	ug/L
ê	Fe	57	10282	79467	1573	2.0	0.010972	**268.6762**	ug/L
ê	Co	59	52	6014	160	2.7	0.001396	**0.7666**	ug/L
ê	Ni	60	52	-2275	321	14.1	-0.000583	**-1.6227**	ug/L
ë	Ni	62	131	1283	41	3.2	0.000204	**3.4726**	ug/L
é	Cu	65	14	7538	36	0.5	0.002476	**5.8256**	ug/L
ê	Cu	63	30	29061	711	2.4	0.009563	**10.6486**	ug/L
ê	Zn	66	41	14421	353	2.4	0.004723	**25.6409**	ug/L
ê	Zn	68	535	11403	282	2.5	0.003292	**25.7391**	ug/L
ê>	Ge	74	1136281	3030265	45677	1.5	3030264.731606		ug/L
ë	As	75	-132	6922	246	3.5	0.002401	**11.2260**	ug/L
é	Se	77	98	1027	16	1.5	0.000382	**30.0431**	ug/L
ê	Se	82	10	966	49	5.1	0.000428	**23.9969**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	12802	150	1.2	0.005762	**16.3962**	ug/L
ê	Mo	97	12	8039	67	0.8	0.003616	**16.7056**	ug/L
ê	Mo	98	19	20519	226	1.1	0.009239	**16.3897**	ug/L
ê	Ag	107	5	140	4	2.5	0.000059	**0.0323**	ug/L
ê	Ag	109	6	100	5	4.9	0.000041	**0.0198**	ug/L
ê	Cd	111	3	41	5	11.9	0.000016	**0.0382**	ug/L
ê	Cd	114	35	165	13	7.7	0.000045	**0.0676**	ug/L

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ê>	In	115	1206580	2217274	19124	0.9	2217273.957125		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	67	4	5.4	0.000023	**0.0199**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1865079	21387	1.1	1865078.509208		ug/L
ê	Tl	205	4	22	3	11.3	0.000008	**-0.0012**	ug/L
ê	Pb	208	25	4851	124	2.6	0.002578	**0.6323**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	162618	1027	0.6	119380.349555		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	326.297
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	266.683
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	183.765
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	169.372
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-06RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 01:58:39
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 252

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-06RE1.207
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	10	5	52.0	-0.000003	**-0.1604**	ug/L
ê	B	11	551	69401	2275	3.3	0.015667	**78.9889**	ug/L
ê	Na	23	7063	938603793	13159082	1.4	217.731478	**106766.2926**	ug/L
ê	Mg	24	264	154964387	2005854	1.3	35.944968	**26838.4359**	ug/L
ê	Al	27	1705	1027149	16961	1.7	0.236946	**119.7776**	ug/L
ê	K	39	743956	84635608	1675815	2.0	19.052455	**8581.2495**	ug/L
ê	Ca	44	6038	54123276	745520	1.4	12.548745	**206122.6729**	ug/L
ê>	Sc	45	1282853	4312099	92087	2.1	4312098.697784		ug/L
ê	Ti	47	53	10935	286	2.6	0.002495	**15.9413**	ug/L
ê	Ti	48	-206	376846	91999	24.4	0.087353	**53.0300**	ug/L
ê	V	51	56	16122	617	3.8	0.003696	**1.9524**	ug/L
ê	Cr	52	14940	102767	2480	2.4	0.012186	**7.7759**	ug/L
ê	Cr	53	56	5074	237	4.7	0.001133	**6.4042**	ug/L
ê	Mn	55	1243	85574	3889	4.5	0.018870	**9.3960**	ug/L
ê	Fe	54	156113	879219	48108	5.5	0.082117	**782.7379**	ug/L
ê	Fe	57	10282	82564	8757	10.6	0.011109	**272.0815**	ug/L
ê	Co	59	52	5246	336	6.4	0.001175	**0.6350**	ug/L
ê	Ni	60	52	-4227	269	6.4	-0.001022	**-2.8120**	ug/L
ë	Ni	62	131	1080	42	3.9	0.000148	**2.4394**	ug/L
é	Cu	65	14	5981	270	4.5	0.001921	**4.5058**	ug/L
ê	Cu	63	30	28470	893	3.1	0.009178	**10.2174**	ug/L
ê	Zn	66	41	7406	204	2.8	0.002359	**12.7454**	ug/L
ê	Zn	68	535	6529	214	3.3	0.001640	**12.8149**	ug/L
ê>	Ge	74	1136281	3093757	126170	4.1	3093756.952983		ug/L
ë	As	75	-132	4191	244	5.8	0.001471	**6.7285**	ug/L
é	Se	77	98	922	36	3.9	0.000331	**26.1298**	ug/L
ê	Se	82	10	773	57	7.3	0.000337	**18.9253**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	12354	324	2.6	0.005499	**15.6482**	ug/L
ê	Mo	97	12	7914	210	2.6	0.003521	**16.2660**	ug/L
ê	Mo	98	19	19835	564	2.8	0.008833	**15.6687**	ug/L
ê	Ag	107	5	75	16	20.6	0.000029	**0.0080**	ug/L
ê	Ag	109	6	43	9	20.7	0.000014	**0.0029**	ug/L
ê	Cd	111	3	28	9	30.0	0.000010	**0.0226**	ug/L
ê	Cd	114	35	117	7	5.9	0.000023	**0.0428**	ug/L

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ê>	In	115	1206580	2241541	6563	0.3	2241540.600658		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	64	4	5.9	0.000021	**0.0183**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1897937	6554	0.3	1897937.002963		ug/L
ê	Tl	205	4	35	3	8.6	0.000015	**0.0009**	ug/L
ê	Pb	208	25	12357	97	0.8	0.006488	**1.6125**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	136710	1155	0.8	93471.714477		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	336.133
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	272.270
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	185.776
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	172.356
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVC

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 08, 2014 02:02:36
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCVC.208
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	11226	800	7.1	0.003071	**2.1265**	ug/L
ê	B	11	551	264992	18881	7.1	0.072184	**36.3277**	ug/L
ê	Na	23	7063	18423375	1247144	6.8	5.044212	**247.1123**	ug/L
ê	Mg	24	264	11883608	911954	7.7	3.255597	**242.3316**	ug/L
ê	Al	27	1705	1794344	123531	6.9	0.490463	**24.8773**	ug/L
ê	K	39	743956	27651447	2575481	9.3	6.986274	**314.0434**	ug/L
ê	Ca	44	6038	1462204	149257	10.2	0.395199	**648.0734**	ug/L
ê>	Sc	45	1282853	3654778	342453	9.4	3654777.770047		ug/L
ê	Ti	47	53	22647	1808	8.0	0.006161	**3.9342**	ug/L
ê	Ti	48	-206	230952	21430	9.3	0.063359	**3.8474**	ug/L
ê	V	51	56	192426	17599	9.1	0.052616	**2.8309**	ug/L
ê	Cr	52	14940	226546	23376	10.3	0.050302	**3.2036**	ug/L
ê	Cr	53	56	19432	2005	10.3	0.005271	**3.0001**	ug/L
ê	Mn	55	1243	95104	7690	8.1	0.025080	**1.2498**	ug/L
ê	Fe	54	156113	950287	95014	10.0	0.138221	**132.7613**	ug/L
ê	Fe	57	10282	203831	18939	9.3	0.047776	**117.8238**	ug/L
ê	Co	59	52	122290	11321	9.3	0.033423	**1.9824**	ug/L
ê	Ni	60	52	51232	5241	10.2	0.013975	**3.7865**	ug/L
ë	Ni	62	131	8037	642	8.0	0.002099	**3.8456**	ug/L
é	Cu	65	14	31828	2345	7.4	0.011272	**2.6753**	ug/L
ê	Cu	63	30	68992	5706	8.3	0.024424	**2.7322**	ug/L
ê	Zn	66	41	21209	1581	7.5	0.007483	**4.0695**	ug/L
ê	Zn	68	535	15666	916	5.8	0.005087	**3.9782**	ug/L
ê>	Ge	74	1136281	2820271	200278	7.1	2820270.739993		ug/L
ë	As	75	-132	29028	2557	8.8	0.010401	**4.9885**	ug/L
é	Se	77	98	4075	221	5.4	0.001820	**13.8872**	ug/L
ê	Se	82	10	5481	401	7.3	0.002547	**14.2290**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	7347	422	5.7	0.003414	**0.9713**	ug/L
ê	Mo	97	12	4588	498	10.8	0.002125	**0.9833**	ug/L
ê	Mo	98	19	11608	872	7.5	0.005393	**0.9565**	ug/L
ê	Ag	107	5	15668	1025	6.5	0.007300	**0.6012**	ug/L
ê	Ag	109	6	14916	659	4.4	0.006957	**0.4491**	ug/L
ê	Cd	111	3	2682	98	3.6	0.001250	**0.3246**	ug/L
ê	Cd	114	35	6397	148	2.3	0.002960	**0.3333**	ug/L

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ê>	In	115	1206580	2146249	159919	7.5	2146249.211567		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	7385	176	2.4	0.003445	**0.3085**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1754968	56454	3.2	1754968.002506		ug/L
ê	Tl	205	4	12083	338	2.8	0.006882	**0.2226**	ug/L
ê	Pb	208	25	39466	1438	3.6	0.022463	**0.5617**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	61248	1837	3.0	18010.091902		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	284.894
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	248.202
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	177.879
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	159.372
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBC

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 08, 2014 02:06:33
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCBC.209
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	5	1	10.8	-0.000003	**-0.0161**	ug/L
ê	B	11	551	6059	2570	42.4	0.001784	**0.9152**	ug/L
ê	Na	23	7063	35860	11397	31.8	0.008077	**0.1560**	ug/L
ê	Mg	24	264	1378	512	37.1	0.000308	**-0.8002**	ug/L
ê	Al	27	1705	4516	1633	36.2	0.000355	**-0.0605**	ug/L
ê	K	39	743956	1192373	353372	29.6	-0.125123	**-6.6197**	ug/L
ê	Ca	44	6038	9207	3025	32.9	-0.001225	**-3.1186**	ug/L
ê>	Sc	45	1282853	2759692	1254307	45.5	2759691.561020		ug/L
ê	Ti	47	53	228	169	74.3	0.000033	**0.0233**	ug/L
ê	Ti	48	-206	116	33	27.9	0.000209	**0.0164**	ug/L
ê	V	51	56	326	88	27.1	0.000082	**0.0005**	ug/L
ê	Cr	52	14940	44226	27752	62.7	0.003509	**0.2253**	ug/L
ê	Cr	53	56	299	193	64.6	0.000058	**0.0278**	ug/L
ê	Mn	55	1243	2422	1200	49.6	-0.000100	**-0.0081**	ug/L
ê	Fe	54	156113	399546	228022	57.1	0.017807	**15.8166**	ug/L
ê	Fe	57	10282	40091	29679	74.0	0.005203	**12.6120**	ug/L
ê	Co	59	52	128	73	57.1	0.000004	**-0.0061**	ug/L
ê	Ni	60	52	93	50	53.2	-0.000007	**-0.0060**	ug/L
ë	Ni	62	131	302	148	49.0	0.000007	**-0.0180**	ug/L
é	Cu	65	14	64	18	27.5	0.000020	**-0.0017**	ug/L
ê	Cu	63	30	122	52	42.6	0.000031	**-0.0045**	ug/L
ê	Zn	66	41	140	54	38.3	0.000031	**0.0047**	ug/L
ê	Zn	68	535	1071	501	46.8	0.000024	**0.0171**	ug/L
ê>	Ge	74	1136281	2151447	963497	44.8	2151446.697976		ug/L
ë	As	75	-132	-569	475	83.5	-0.000116	**-0.0941**	ug/L
é	Se	77	98	290	197	67.9	0.000072	**0.6538**	ug/L
ê	Se	82	10	27	16	61.7	0.000006	**0.0464**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	23	7	28.5	0.000001	**-0.0002**	ug/L
ê	Mo	97	12	15	5	33.6	-0.000001	**0.0034**	ug/L
ê	Mo	98	19	31	15	48.6	0.000001	**-0.0001**	ug/L
ê	Ag	107	5	7	3	37.8	-0.000000	**-0.0016**	ug/L
ê	Ag	109	6	7	1	17.3	-0.000001	**-0.0007**	ug/L
ê	Cd	111	3	3	1	43.3	-0.000001	**-0.0006**	ug/L
ê	Cd	114	35	47	19	40.0	-0.000003	**0.0014**	ug/L

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ê>	In	115	1206580	1759992	452556	25.7	1759991.553911		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	12	3	27.6	0.000000	**-0.0001**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1513211	280086	18.5	1513210.914952		ug/L
ê	Tl	205	4	4	1	25.0	-0.000001	**-0.0004**	ug/L
ê	Pb	208	25	71	16	21.9	0.000024	**-0.0008**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	56825	4479	7.9	13587.257890		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	215.121
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	189.341
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	145.866
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	137.418
|	Tl	205	
|	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-07RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 02:10:30
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 253

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-07RE1.210
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	5	3	53.9	-0.000002	**-0.1536**	ug/L
ê	B	11	551	23953	616	2.6	0.016554	**83.4504**	ug/L
ê	Na	23	7063	394564759	3132120	0.8	279.753902	**137180.1458**	ug/L
ê	Mg	24	264	54633510	875033	1.6	38.737649	**28924.2407**	ug/L
ê	Al	27	1705	413489	1760	0.4	0.291838	**147.7082**	ug/L
ê	K	39	743956	31596385	102296	0.3	21.820641	**9829.4643**	ug/L
ê	Ca	44	6038	9265644	252468	2.7	6.562455	**107788.0265**	ug/L
ê>	Sc	45	1282853	1410756	24846	1.8	1410755.592484		ug/L
ê	Ti	47	53	3826	76	2.0	0.002671	**17.0686**	ug/L
ê	Ti	48	-206	58160	5809	10.0	0.041442	**25.1784**	ug/L
ê	V	51	56	4906	11	0.2	0.003435	**1.8118**	ug/L
ê	Cr	52	14940	17600	264	1.5	0.000831	**0.5485**	ug/L
ê	Cr	53	56	1245	38	3.1	0.000839	**4.7261**	ug/L
ê	Mn	55	1243	31777	396	1.2	0.021560	**10.7399**	ug/L
ê	Fe	54	156113	256296	2622	1.0	0.060001	**567.9499**	ug/L
ê	Fe	57	10282	23700	354	1.5	0.008788	**214.7057**	ug/L
ê	Co	59	52	1519	66	4.3	0.001036	**0.5523**	ug/L
ê	Ni	60	52	-1019	85	8.4	-0.000763	**-2.1092**	ug/L
ë	Ni	62	131	337	21	6.1	0.000137	**2.2205**	ug/L
é	Cu	65	14	2064	52	2.5	0.001722	**4.0336**	ug/L
ê	Cu	63	30	7904	13	0.2	0.006615	**7.3420**	ug/L
ê	Zn	66	41	6042	38	0.6	0.005042	**27.3795**	ug/L
ê	Zn	68	535	4650	35	0.7	0.003436	**26.8669**	ug/L
ê>	Ge	74	1136281	1189998	5166	0.4	1189998.125368		ug/L
ë	As	75	-132	4366	78	1.8	0.003786	**17.9181**	ug/L
é	Se	77	98	280	14	5.0	0.000149	**12.3571**	ug/L
ê	Se	82	10	265	20	7.6	0.000209	**11.7922**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	3930	62	1.6	0.003214	**9.1423**	ug/L
ê	Mo	97	12	2367	27	1.1	0.001933	**8.9500**	ug/L
ê	Mo	98	19	6060	48	0.8	0.004958	**8.7939**	ug/L
ê	Ag	107	5	33	1	3.5	0.000023	**0.0024**	ug/L
ê	Ag	109	6	51	8	15.3	0.000037	**0.0176**	ug/L
ê	Cd	111	3	15	7	43.4	0.000010	**0.0225**	ug/L
ê	Cd	114	35	55	5	8.6	0.000017	**0.0353**	ug/L

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ê>	In	115	1206580	1218425	12063	1.0	1218425.067170		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	35	8	21.2	0.000022	**0.0188**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1143496	3875	0.3	1143495.530524		ug/L
ê	Tl	205	4	11	2	19.5	0.000006	**-0.0020**	ug/L
ê	Pb	208	25	1210	28	2.3	0.001035	**0.2457**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	119934	1251	1.0	76696.042395		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	109.970
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	104.727
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	100.982
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	103.843
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-08RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 02:14:26
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 254

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-08RE1.211
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	6	2	24.1	-0.000001	**-0.1458**	ug/L
ê	B	11	551	20734	170	0.8	0.013983	**70.5173**	ug/L
ê	Na	23	7063	338793127	2761608	0.8	235.505074	**115481.9071**	ug/L
ê	Mg	24	264	47914901	376273	0.8	33.307273	**24868.3876**	ug/L
ê	Al	27	1705	372987	2133	0.6	0.257938	**130.4588**	ug/L
ê	K	39	743956	23981843	309904	1.3	16.091583	**7246.1492**	ug/L
ê	Ca	44	6038	7216815	75737	1.0	5.012160	**82321.8825**	ug/L
ê>	Sc	45	1282853	1438796	23055	1.6	1438796.362335		ug/L
ê	Ti	47	53	5130	62	1.2	0.003525	**22.5187**	ug/L
ê	Ti	48	-206	68770	10116	14.7	0.047903	**29.0981**	ug/L
ê	V	51	56	4343	46	1.1	0.002976	**1.5646**	ug/L
ê	Cr	52	14940	18943	538	2.8	0.001518	**0.9857**	ug/L
ê	Cr	53	56	1313	22	1.7	0.000869	**4.9017**	ug/L
ê	Mn	55	1243	18382	449	2.4	0.011807	**5.8674**	ug/L
ê	Fe	54	156113	252065	7353	2.9	0.053518	**504.9896**	ug/L
ê	Fe	57	10282	22644	639	2.8	0.007725	**188.4349**	ug/L
ê	Co	59	52	1549	53	3.4	0.001036	**0.5523**	ug/L
ê	Ni	60	52	-873	49	5.6	-0.000647	**-1.7958**	ug/L
ë	Ni	62	131	307	18	5.9	0.000111	**1.7553**	ug/L
é	Cu	65	14	1733	48	2.7	0.001400	**3.2661**	ug/L
ê	Cu	63	30	6775	126	1.9	0.005493	**6.0832**	ug/L
ê	Zn	66	41	2201	42	1.9	0.001758	**9.4667**	ug/L
ê	Zn	68	535	1982	33	1.7	0.001144	**8.9357**	ug/L
ê>	Ge	74	1136281	1227353	11603	0.9	1227352.656045		ug/L
ë	As	75	-132	1437	45	3.1	0.001287	**5.8431**	ug/L
é	Se	77	98	237	4	1.8	0.000110	**9.4062**	ug/L
ê	Se	82	10	237	21	9.1	0.000182	**10.2933**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	3277	32	1.0	0.002622	**7.4587**	ug/L
ê	Mo	97	12	2016	119	5.9	0.001612	**7.4708**	ug/L
ê	Mo	98	19	5148	146	2.8	0.004123	**7.3125**	ug/L
ê	Ag	107	5	20	1	5.0	0.000012	**-0.0065**	ug/L
ê	Ag	109	6	16	4	21.5	0.000008	**-0.0010**	ug/L
ê	Cd	111	3	17	3	17.6	0.000011	**0.0252**	ug/L
ê	Cd	114	35	61	8	13.1	0.000020	**0.0392**	ug/L

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ê>	In	115	1206580	1244121	21622	1.7	1244121.021207		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	30	4	12.0	0.000017	**0.0144**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1154693	11642	1.0	1154692.803358		ug/L
ê	Tl	205	4	10	5	47.7	0.000005	**-0.0021**	ug/L
ê	Pb	208	25	601	11	1.8	0.000498	**0.1109**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	136894	1240	0.9	93656.139299		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	112.156
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	108.015
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	103.111
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	104.860
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-09RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 02:18:22
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 255

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-09RE1.212
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	27	5	19.6	0.000014	**-0.0442**	ug/L
ê	B	11	551	90694	495	0.5	0.063411	**319.1467**	ug/L
ê	Na	23	7063	390041825	9099329	2.3	274.577580	**134641.8398**	ug/L
ê	Mg	24	264	58095417	644899	1.1	40.895343	**30535.7845**	ug/L
ê	Al	27	1705	11117820	219363	2.0	7.825404	**3980.9546**	ug/L
ê	K	39	743956	77755214	1424722	1.8	54.152006	**24408.1441**	ug/L
ê	Ca	44	6038	31257123	346078	1.1	21.998341	**361347.7856**	ug/L
ê>	Sc	45	1282853	1420739	14454	1.0	1420738.736661		ug/L
ê	Ti	47	53	78769	1278	1.6	0.055406	**353.6153**	ug/L
ê	Ti	48	-206	905220	84866	9.4	0.637171	**386.5758**	ug/L
ê	V	51	56	90746	319	0.4	0.063834	**34.3532**	ug/L
ê	Cr	52	14940	56589	935	1.7	0.028187	**17.9600**	ug/L
ê	Cr	53	56	5214	65	1.2	0.003627	**20.6269**	ug/L
ê	Mn	55	1243	285788	1474	0.5	0.200193	**99.9848**	ug/L
ê	Fe	54	156113	1008757	19815	2.0	0.588371	**5699.4186**	ug/L
ê	Fe	57	10282	298471	2226	0.7	0.202087	**4991.8258**	ug/L
ê	Co	59	52	5860	137	2.3	0.004083	**2.3657**	ug/L
ê	Ni	60	52	-996	94	9.5	-0.000741	**-2.0510**	ug/L
ë	Ni	62	131	1339	3	0.2	0.000840	**15.2137**	ug/L
é	Cu	65	14	3906	107	2.7	0.003292	**7.7679**	ug/L
ê	Cu	63	30	11352	269	2.4	0.009575	**10.6626**	ug/L
ê	Zn	66	41	8004	114	1.4	0.006734	**36.6110**	ug/L
ê	Zn	68	535	6284	132	2.1	0.004844	**37.8796**	ug/L
ê>	Ge	74	1136281	1182275	6869	0.6	1182274.782349		ug/L
ë	As	75	-132	29567	41	0.1	0.025125	**121.0438**	ug/L
é	Se	77	98	151	14	9.5	0.000044	**4.4283**	ug/L
ê	Se	82	10	7373	55	0.7	0.006105	**340.9649**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	1254	19	1.6	0.001028	**2.9206**	ug/L
ê	Mo	97	12	909	7	0.7	0.000744	**3.4672**	ug/L
ê	Mo	98	19	1221	106	8.7	0.000996	**1.7638**	ug/L
ê	Ag	107	5	341	21	6.2	0.000279	**0.2136**	ug/L
ê	Ag	109	6	383	23	6.1	0.000313	**0.1958**	ug/L
ê	Cd	111	3	145	13	9.0	0.000118	**0.3033**	ug/L
ê	Cd	114	35	377	11	3.0	0.000284	**0.3343**	ug/L

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ê>	In	115	1206580	1206188	19767	1.6	1206187.510996		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	380	14	3.6	0.000309	**0.2754**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1111250	17932	1.6	1111249.954096		ug/L
ê	Tl	205	4	203	16	7.6	0.000179	**0.0542**	ug/L
ê	Pb	208	25	23630	284	1.2	0.021246	**5.3119**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	101516	134	0.1	58277.745405		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	110.748
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	104.048
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	99.968
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	100.915
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-10RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 02:22:18
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 256

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-10RE1.213
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	14	3	18.4	0.000004	**-0.1092**	ug/L
ê	B	11	551	112494	1812	1.6	0.078924	**397.1763**	ug/L
ê	Na	23	7063	364541542	869752	0.2	257.152272	**126097.0146**	ug/L
ê	Mg	24	264	44268149	686785	1.6	31.222682	**23311.4431**	ug/L
ê	Al	27	1705	5807691	69733	1.2	4.095057	**2082.8709**	ug/L
ê	K	39	743956	70601947	1765756	2.5	49.211136	**22180.2342**	ug/L
ê	Ca	44	6038	16131324	448261	2.8	11.370891	**186774.4815**	ug/L
ê>	Sc	45	1282853	1417908	27137	1.9	1417907.777020		ug/L
ê	Ti	47	53	42250	1267	3.0	0.029752	**189.8977**	ug/L
ê	Ti	48	-206	472849	34719	7.3	0.334039	**202.6819**	ug/L
ê	V	51	56	58121	911	1.6	0.040949	**22.0236**	ug/L
ê	Cr	52	14940	40307	662	1.6	0.016784	**10.7025**	ug/L
ê	Cr	53	56	3498	56	1.6	0.002423	**13.7638**	ug/L
ê	Mn	55	1243	143634	1915	1.3	0.100356	**50.1063**	ug/L
ê	Fe	54	156113	630834	11396	1.8	0.323232	**3124.4185**	ug/L
ê	Fe	57	10282	164296	2624	1.6	0.107870	**2663.3760**	ug/L
ê	Co	59	52	2853	71	2.5	0.001971	**1.1087**	ug/L
ê	Ni	60	52	787	91	11.5	0.000515	**1.3562**	ug/L
ë	Ni	62	131	931	27	2.9	0.000554	**9.9366**	ug/L
é	Cu	65	14	3008	104	3.4	0.002533	**5.9612**	ug/L
ê	Cu	63	30	9737	360	3.7	0.008211	**9.1327**	ug/L
ê	Zn	66	41	5583	54	1.0	0.004686	**25.4402**	ug/L
ê	Zn	68	535	4330	58	1.3	0.003192	**24.9526**	ug/L
ê>	Ge	74	1136281	1182389	13350	1.1	1182388.696447		ug/L
ë	As	75	-132	30515	914	3.0	0.025921	**124.8870**	ug/L
é	Se	77	98	145	9	6.4	0.000038	**4.0011**	ug/L
ê	Se	82	10	8884	306	3.4	0.007312	**408.3193**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	1218	49	4.1	0.000991	**2.8162**	ug/L
ê	Mo	97	12	958	32	3.3	0.000780	**3.6325**	ug/L
ê	Mo	98	19	928	45	4.9	0.000748	**1.3238**	ug/L
ê	Ag	107	5	349	14	3.9	0.000284	**0.2180**	ug/L
ê	Ag	109	6	419	4	0.9	0.000341	**0.2137**	ug/L
ê	Cd	111	3	178	21	11.6	0.000144	**0.3705**	ug/L
ê	Cd	114	35	467	7	1.6	0.000356	**0.4155**	ug/L

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ê>	In	115	1206580	1213866	13908	1.1	1213865.694401		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	226	20	8.8	0.000179	**0.1598**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1121461	11045	1.0	1121460.598271		ug/L
ê	Tl	205	4	219	20	9.0	0.000192	**0.0582**	ug/L
ê	Pb	208	25	16366	116	0.7	0.014570	**3.6385**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	106688	909	0.9	63449.580131		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	110.528
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	104.058
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	100.604
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	101.842
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-11RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 02:26:14
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 257

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-11RE1.214
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	9	1	11.1	0.000001	**-0.1337**	ug/L
ê	B	11	551	93032	952	1.0	0.063112	**317.6440**	ug/L
ê	Na	23	7063	401449250	4692734	1.2	274.212244	**134462.6904**	ug/L
ê	Mg	24	264	60702824	485764	0.8	41.465313	**30961.4849**	ug/L
ê	Al	27	1705	2750841	27742	1.0	1.877738	**954.6495**	ug/L
ê	K	39	743956	73513803	255278	0.3	49.634515	**22371.1421**	ug/L
ê	Ca	44	6038	22189025	140885	0.6	15.151236	**248872.8438**	ug/L
ê>	Sc	45	1282853	1464144	16421	1.1	1464144.043055		ug/L
ê	Ti	47	53	27172	364	1.3	0.018518	**118.2001**	ug/L
ê	Ti	48	-206	378086	10548	2.8	0.258359	**156.7704**	ug/L
ê	V	51	56	91795	1137	1.2	0.062662	**33.7217**	ug/L
ê	Cr	52	14940	32055	418	1.3	0.010249	**6.5431**	ug/L
ê	Cr	53	56	2343	57	2.4	0.001557	**8.8226**	ug/L
ê	Mn	55	1243	124692	1498	1.2	0.084195	**42.0322**	ug/L
ê	Fe	54	156113	462619	3626	0.8	0.194284	**1872.0909**	ug/L
ê	Fe	57	10282	93319	516	0.6	0.055724	**1374.6664**	ug/L
ê	Co	59	52	3622	75	2.1	0.002433	**1.3835**	ug/L
ê	Ni	60	52	-1283	50	3.9	-0.000917	**-2.5284**	ug/L
ë	Ni	62	131	815	29	3.5	0.000455	**8.0934**	ug/L
é	Cu	65	14	2376	39	1.6	0.001944	**4.5610**	ug/L
ê	Cu	63	30	8304	293	3.5	0.006810	**7.5607**	ug/L
ê	Zn	66	41	5863	32	0.5	0.004792	**26.0181**	ug/L
ê	Zn	68	535	8301	44	0.5	0.006364	**49.7704**	ug/L
ê>	Ge	74	1136281	1214436	9259	0.8	1214436.389206		ug/L
ë	As	75	-132	31508	4	0.0	0.026062	**125.5707**	ug/L
é	Se	77	98	143	20	13.6	0.000035	**3.7810**	ug/L
ê	Se	82	10	9318	30	0.3	0.007554	**421.8642**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	1381	38	2.7	0.001109	**3.1506**	ug/L
ê	Mo	97	12	1082	50	4.6	0.000869	**4.0421**	ug/L
ê	Mo	98	19	1175	5	0.4	0.000938	**1.6600**	ug/L
ê	Ag	107	5	411	11	2.8	0.000329	**0.2557**	ug/L
ê	Ag	109	6	511	20	3.8	0.000410	**0.2587**	ug/L
ê	Cd	111	3	253	21	8.2	0.000202	**0.5228**	ug/L
ê	Cd	114	35	580	28	4.9	0.000442	**0.5116**	ug/L

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ê>	In	115	1206580	1232219	8245	0.7	1232219.322151		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	238	4	1.8	0.000186	**0.1658**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1140456	14139	1.2	1140455.876801		ug/L
ê	Tl	205	4	191	6	3.4	0.000164	**0.0493**	ug/L
ê	Pb	208	25	21069	253	1.2	0.018451	**4.6113**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	111074	850	0.8	67836.153859		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	114.132
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	106.878
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	102.125
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	103.567
|	Tl	205	
|	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140595-DUP2
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 02:30:10
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 258

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\B140595-DUP2.215
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	6	1	16.7	-0.000001	**-0.1481**	ug/L
ê	B	11	551	87340	803	0.9	0.059108	**297.5005**	ug/L
ê	Na	23	7063	400711276	3685251	0.9	273.143203	**133938.4659**	ug/L
ê	Mg	24	264	39521963	401568	1.0	26.941307	**20113.7590**	ug/L
ê	Al	27	1705	1984477	15534	0.8	1.351482	**686.8786**	ug/L
ê	K	39	743956	73930758	467539	0.6	49.816553	**22453.2255**	ug/L
ê	Ca	44	6038	9579277	138162	1.4	6.525058	**107173.7286**	ug/L
ê>	Sc	45	1282853	1466999	11846	0.8	1466998.907833		ug/L
ê	Ti	47	53	19511	261	1.3	0.013259	**84.6376**	ug/L
ê	Ti	48	-206	223660	9936	4.4	0.152656	**92.6459**	ug/L
ê	V	51	56	68795	385	0.6	0.046853	**25.2040**	ug/L
ê	Cr	52	14940	26869	1094	4.1	0.006667	**4.2629**	ug/L
ê	Cr	53	56	1824	61	3.3	0.001200	**6.7853**	ug/L
ê	Mn	55	1243	73541	1733	2.4	0.049158	**24.5282**	ug/L
ê	Fe	54	156113	381115	4030	1.1	0.138097	**1326.4140**	ug/L
ê	Fe	57	10282	69416	1417	2.0	0.039301	**968.7884**	ug/L
ê	Co	59	52	2409	45	1.9	0.001601	**0.8885**	ug/L
ê	Ni	60	52	482	91	18.8	0.000288	**0.7410**	ug/L
ë	Ni	62	131	642	23	3.5	0.000335	**5.8912**	ug/L
é	Cu	65	14	2039	45	2.2	0.001651	**3.8634**	ug/L
ê	Cu	63	30	7781	184	2.4	0.006318	**7.0087**	ug/L
ê	Zn	66	41	4261	55	1.3	0.003439	**18.6371**	ug/L
ê	Zn	68	535	6782	146	2.2	0.005060	**39.5687**	ug/L
ê>	Ge	74	1136281	1226264	17163	1.4	1226263.801291		ug/L
ë	As	75	-132	30450	406	1.3	0.024953	**120.2105**	ug/L
é	Se	77	98	129	12	8.9	0.000023	**2.8304**	ug/L
ê	Se	82	10	9234	169	1.8	0.007394	**412.9324**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	1366	17	1.3	0.001083	**3.0787**	ug/L
ê	Mo	97	12	1109	39	3.5	0.000880	**4.0926**	ug/L
ê	Mo	98	19	921	45	4.9	0.000722	**1.2778**	ug/L
ê	Ag	107	5	301	13	4.4	0.000237	**0.1792**	ug/L
ê	Ag	109	6	376	12	3.1	0.000297	**0.1854**	ug/L
ê	Cd	111	3	192	2	0.8	0.000151	**0.3905**	ug/L
ê	Cd	114	35	465	38	8.2	0.000344	**0.4017**	ug/L

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ê>	In	115	1206580	1247517	6800	0.5	1247516.515816		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	199	28	14.0	0.000153	**0.1359**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1165086	14003	1.2	1165085.812525		ug/L
ê	Tl	205	4	167	1	0.7	0.000140	**0.0415**	ug/L
ê	Pb	208	25	16411	174	1.1	0.014065	**3.5117**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	107520	916	0.9	64282.120617		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	114.354
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	107.919
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	103.393
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	105.804
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140595-MS2
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 02:34:06
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 259

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\B140595-MS2.216
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	2240	21	0.9	0.001511	**10.3913**	ug/L
ê	B	11	551	80520	1271	1.6	0.054079	**272.2025**	ug/L
ê	Na	23	7063	381074702	12017968	3.2	257.935025	**126480.8525**	ug/L
ê	Mg	24	264	72952928	1727600	2.4	49.382588	**36874.7594**	ug/L
ê	Al	27	1705	21427560	459125	2.1	14.503262	**7378.7979**	ug/L
ê	K	39	743956	66655287	1076345	1.6	44.540382	**20074.1239**	ug/L
ê	Ca	44	6038	38846298	613954	1.6	26.291040	**431862.4091**	ug/L
ê>	Sc	45	1282853	1477263	19432	1.3	1477263.252776		ug/L
ê	Ti	47	53	35696	1002	2.8	0.024120	**153.9515**	ug/L
ê	Ti	48	-206	511966	8445	1.6	0.346765	**210.4020**	ug/L
ê	V	51	56	210173	2848	1.4	0.142261	**76.6072**	ug/L
ê	Cr	52	14940	123810	2160	1.7	0.072163	**45.9495**	ug/L
ê	Cr	53	56	13031	219	1.7	0.008777	**49.9962**	ug/L
ê	Mn	55	1243	641542	18234	2.8	0.433257	**216.4227**	ug/L
ê	Fe	54	156113	2563012	77639	3.0	1.613038	**15650.8601**	ug/L
ê	Fe	57	10282	846147	18932	2.2	0.564723	**13953.8323**	ug/L
ê	Co	59	52	53402	641	1.2	0.036110	**21.4231**	ug/L
ê	Ni	60	52	-6474	147	2.3	-0.004423	**-12.0384**	ug/L
ë	Ni	62	131	927	14	1.5	0.000525	**9.3960**	ug/L
é	Cu	65	14	65549	2141	3.3	0.054897	**130.5409**	ug/L
ê	Cu	63	30	142046	545	0.4	0.118992	**133.4172**	ug/L
ê	Zn	66	41	32004	896	2.8	0.026782	**145.9541**	ug/L
ê	Zn	68	535	27260	244	0.9	0.022370	**174.9767**	ug/L
ê>	Ge	74	1136281	1193578	15860	1.3	1193577.694142		ug/L
ë	As	75	-132	58487	630	1.1	0.049124	**237.0225**	ug/L
é	Se	77	98	428	38	8.9	0.000273	**21.7384**	ug/L
ê	Se	82	10	9212	117	1.3	0.007607	**424.8286**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	971	6	0.6	0.000790	**2.2450**	ug/L
ê	Mo	97	12	804	24	3.0	0.000655	**3.0576**	ug/L
ê	Mo	98	19	845	54	6.4	0.000682	**1.2070**	ug/L
ê	Ag	107	5	18566	550	3.0	0.015343	**12.6534**	ug/L
ê	Ag	109	6	23504	102	0.4	0.019425	**12.5507**	ug/L
ê	Cd	111	3	1280	33	2.6	0.001055	**2.7402**	ug/L
ê	Cd	114	35	3065	24	0.8	0.002504	**2.8223**	ug/L

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ê>	In	115	1206580	1209832	12697	1.0	1209832.497350		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	3703	32	0.9	0.003054	**2.7349**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1125234	11427	1.0	1125233.860096		ug/L
ê	Tl	205	4	45427	541	1.2	0.040370	**13.0744**	ug/L
ê	Pb	208	25	114525	1261	1.1	0.101763	**25.4949**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	99940	934	0.9	56701.711096		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	115.155
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	105.042
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	100.270
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	102.185
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140595-MSD2
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 02:38:02
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 260

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\B140595-MSD2.217
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	2224	64	2.9	0.001486	**10.2202**	ug/L
ê	B	11	551	90075	2057	2.3	0.059978	**301.8770**	ug/L
ê	Na	23	7063	382600155	11996304	3.1	256.541118	**125797.3239**	ug/L
ê	Mg	24	264	36976974	448822	1.2	24.797637	**18512.6892**	ug/L
ê	Al	27	1705	20290264	427884	2.1	13.604644	**6921.5612**	ug/L
ê	K	39	743956	74782565	922352	1.2	49.571574	**22342.7612**	ug/L
ê	Ca	44	6038	6884290	116329	1.7	4.611886	**75746.7382**	ug/L
ê>	Sc	45	1282853	1491187	14782	1.0	1491186.944370		ug/L
ê	Ti	47	53	16090	273	1.7	0.010749	**68.6198**	ug/L
ê	Ti	48	-206	178230	5128	2.9	0.119678	**72.6397**	ug/L
ê	V	51	56	204446	5124	2.5	0.137053	**73.8012**	ug/L
ê	Cr	52	14940	107591	1568	1.5	0.060504	**38.5287**	ug/L
ê	Cr	53	56	11034	145	1.3	0.007356	**41.8912**	ug/L
ê	Mn	55	1243	560422	17470	3.1	0.374848	**187.2418**	ug/L
ê	Fe	54	156113	2400728	45239	1.9	1.488206	**14438.5133**	ug/L
ê	Fe	57	10282	815258	17920	2.2	0.538769	**13312.4284**	ug/L
ê	Co	59	52	54119	942	1.7	0.036253	**21.5078**	ug/L
ê	Ni	60	52	1622	7	0.4	0.001047	**2.7994**	ug/L
ë	Ni	62	131	749	49	6.6	0.000401	**7.0957**	ug/L
é	Cu	65	14	68398	740	1.1	0.054878	**130.4939**	ug/L
ê	Cu	63	30	150599	2829	1.9	0.120817	**135.4644**	ug/L
ê	Zn	66	41	33526	902	2.7	0.026864	**146.4048**	ug/L
ê	Zn	68	535	26415	463	1.8	0.020725	**162.1113**	ug/L
ê>	Ge	74	1136281	1246198	20437	1.6	1246198.191705		ug/L
ë	As	75	-132	64900	1942	3.0	0.052187	**251.8233**	ug/L
é	Se	77	98	434	26	6.0	0.000265	**21.1915**	ug/L
ê	Se	82	10	10987	264	2.4	0.008757	**489.0026**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	1219	27	2.2	0.000961	**2.7291**	ug/L
ê	Mo	97	12	911	47	5.1	0.000717	**3.3417**	ug/L
ê	Mo	98	19	1038	13	1.3	0.000812	**1.4370**	ug/L
ê	Ag	107	5	19975	839	4.2	0.015927	**13.1359**	ug/L
ê	Ag	109	6	25030	1211	4.8	0.019959	**12.8958**	ug/L
ê	Cd	111	3	1372	54	3.9	0.001092	**2.8349**	ug/L
ê	Cd	114	35	3231	100	3.1	0.002548	**2.8714**	ug/L

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ê>	In	115	1206580	1253466	16452	1.3	1253465.933994		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	3573	117	3.3	0.002843	**2.5463**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1149096	4794	0.4	1149096.087564		ug/L
ê	Tl	205	4	46521	568	1.2	0.040481	**13.1102**	ug/L
ê	Pb	208	25	116214	1174	1.0	0.101111	**25.3314**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	105318	1062	1.0	62080.484374		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	116.240
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	109.673
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	103.886
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	104.352
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVD
Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 08, 2014 02:41:59
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCVD.218
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	6390	107	1.7	0.004362	**3.0260**	ug/L
ê	B	11	551	117058	2676	2.3	0.079574	**40.0446**	ug/L
ê	Na	23	7063	9204533	131529	1.4	6.286114	**308.0113**	ug/L
ê	Mg	24	264	6123999	32795	0.5	4.186715	**311.8751**	ug/L
ê	Al	27	1705	877696	23590	2.7	0.598508	**30.3749**	ug/L
ê	K	39	743956	10871132	220859	2.0	6.850123	**307.9042**	ug/L
ê	Ca	44	6038	556983	4609	0.8	0.376061	**616.6364**	ug/L
ê>	Sc	45	1282853	1463286	38346	2.6	1463285.514373		ug/L
ê	Ti	47	53	9192	184	2.0	0.006242	**3.9856**	ug/L
ê	Ti	48	-206	95245	2529	2.7	0.065267	**3.9632**	ug/L
ê	V	51	56	81295	711	0.9	0.055535	**2.9882**	ug/L
ê	Cr	52	14940	83144	1480	1.8	0.045182	**2.8777**	ug/L
ê	Cr	53	56	7887	171	2.2	0.005347	**3.0438**	ug/L
ê	Mn	55	1243	38005	880	2.3	0.025007	**1.2462**	ug/L
ê	Fe	54	156113	342509	11590	3.4	0.112357	**107.6422**	ug/L
ê	Fe	57	10282	71881	239	0.3	0.041129	**101.3974**	ug/L
ê	Co	59	52	50445	345	0.7	0.034445	**2.0432**	ug/L
ê	Ni	60	52	22166	373	1.7	0.015111	**4.0946**	ug/L
ë	Ni	62	131	3353	69	2.1	0.002190	**4.0138**	ug/L
é	Cu	65	14	13733	131	1.0	0.011078	**2.6293**	ug/L
ê	Cu	63	30	29195	652	2.2	0.023553	**2.6345**	ug/L
ê	Zn	66	41	9799	136	1.4	0.007878	**4.2848**	ug/L
ê	Zn	68	535	7269	183	2.5	0.005397	**4.2202**	ug/L
ê>	Ge	74	1136281	1238817	30155	2.4	1238816.888881		ug/L
ë	As	75	-132	14035	317	2.3	0.011452	**5.4964**	ug/L
é	Se	77	98	1756	22	1.3	0.001312	**10.0443**	ug/L
ê	Se	82	10	2350	122	5.2	0.001856	**10.3758**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	2791	51	1.8	0.002202	**0.6262**	ug/L
ê	Mo	97	12	1824	73	4.0	0.001438	**0.6667**	ug/L
ê	Mo	98	19	4566	87	1.9	0.003608	**0.6397**	ug/L
ê	Ag	107	5	6580	48	0.7	0.005217	**0.4291**	ug/L
ê	Ag	109	6	8175	133	1.6	0.006481	**0.4183**	ug/L
ê	Cd	111	3	1944	43	2.2	0.001539	**0.3998**	ug/L
ê	Cd	114	35	4519	118	2.6	0.003556	**0.4000**	ug/L

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ê>	In	115	1206580	1260686	30179	2.4	1260685.753588		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	5686	166	2.9	0.004504	**0.4034**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1145603	40583	3.5	1145602.541628		ug/L
ê	Tl	205	4	7554	62	0.8	0.006595	**0.2133**	ug/L
ê	Pb	208	25	25147	430	1.7	0.021938	**0.5485**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	50673	336	0.7	7434.711886		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	114.065
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	109.024
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	104.484
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	104.035
|	Tl	205	
|	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBD
Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 08, 2014 02:45:56
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCBD.219
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	4	3	68.6	-0.000003	**-0.0162**	ug/L
ê	B	11	551	3017	177	5.9	0.001357	**0.7008**	ug/L
ê	Na	23	7063	26371	1604	6.1	0.010108	**0.2556**	ug/L
ê	Mg	24	264	927	75	8.0	0.000343	**-0.7977**	ug/L
ê	Al	27	1705	3820	1336	35.0	0.000920	**-0.0318**	ug/L
ê	K	39	743956	881319	30904	3.5	-0.057626	**-3.5762**	ug/L
ê	Ca	44	6038	5983	233	3.9	-0.001161	**-3.0141**	ug/L
ê>	Sc	45	1282853	1688490	89131	5.3	1688490.329867		ug/L
ê	Ti	47	53	79	10	12.2	0.000006	**0.0058**	ug/L
ê	Ti	48	-206	184	45	24.7	0.000270	**0.0201**	ug/L
ê	V	51	56	193	21	10.6	0.000071	**-0.0001**	ug/L
ê	Cr	52	14940	21182	1181	5.6	0.000899	**0.0592**	ug/L
ê	Cr	53	56	127	28	22.3	0.000032	**0.0128**	ug/L
ê	Mn	55	1243	1448	99	6.8	-0.000112	**-0.0087**	ug/L
ê	Fe	54	156113	216138	10166	4.7	0.006342	**4.6819**	ug/L
ê	Fe	57	10282	14561	912	6.3	0.000608	**1.2555**	ug/L
ê	Co	59	52	72	12	17.1	0.000002	**-0.0063**	ug/L
ê	Ni	60	52	61	4	6.6	-0.000004	**-0.0052**	ug/L
ë	Ni	62	131	160	18	11.2	-0.000008	**-0.0445**	ug/L
é	Cu	65	14	48	8	16.0	0.000021	**-0.0014**	ug/L
ê	Cu	63	30	80	21	26.2	0.000030	**-0.0046**	ug/L
ê	Zn	66	41	114	22	18.9	0.000044	**0.0120**	ug/L
ê	Zn	68	535	725	40	5.6	0.000038	**0.0287**	ug/L
ê>	Ge	74	1136281	1422075	57075	4.0	1422075.314708		ug/L
ë	As	75	-132	-33	33	97.1	0.000093	**0.0072**	ug/L
é	Se	77	98	119	14	11.4	0.000004	**0.1409**	ug/L
ê	Se	82	10	54	4	7.4	0.000031	**0.1837**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	21	1	4.8	0.000003	**0.0004**	ug/L
ê	Mo	97	12	10	3	34.6	-0.000002	**0.0027**	ug/L
ê	Mo	98	19	24	4	17.9	0.000002	**-0.0001**	ug/L
ê	Ag	107	5	6	1	16.7	0.000000	**-0.0016**	ug/L
ê	Ag	109	6	9	2	19.2	0.000002	**-0.0005**	ug/L
ê	Cd	111	3	3	2	57.3	-0.000001	**-0.0005**	ug/L
ê	Cd	114	35	33	5	14.4	-0.000006	**0.0010**	ug/L

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ê>	In	115	1206580	1402018	41336	2.9	1402018.463815		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	16	3	16.1	0.000004	**0.0003**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1260647	32005	2.5	1260646.521064		ug/L
ê	Tl	205	4	5	4	65.8	0.000001	**-0.0004**	ug/L
ê	Pb	208	25	50	4	8.4	0.000016	**-0.0010**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	52608	785	1.5	9370.368399		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	131.620
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	125.152
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	116.198
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	114.482
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-12RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 02:49:52
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 301

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-12RE1.220
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	8	4	52.7	-0.000000	**-0.1399**	ug/L
ê	B	11	551	71069	1238	1.7	0.048066	**241.9600**	ug/L
ê	Na	23	7063	423590524	2038019	0.5	289.124973	**141775.4251**	ug/L
ê	Mg	24	264	38713502	219410	0.6	26.423991	**19727.3846**	ug/L
ê	Al	27	1705	2121513	31182	1.5	1.446786	**735.3714**	ug/L
ê	K	39	743956	81553238	1200937	1.5	55.075607	**24824.6093**	ug/L
ê	Ca	44	6038	7651004	108735	1.4	5.216720	**85682.1261**	ug/L
ê>	Sc	45	1282853	1465590	31552	2.2	1465589.517100		ug/L
ê	Ti	47	53	15774	428	2.7	0.010721	**68.4433**	ug/L
ê	Ti	48	-206	175052	13777	7.9	0.119693	**72.6489**	ug/L
ê	V	51	56	68504	825	1.2	0.046705	**25.1245**	ug/L
ê	Cr	52	14940	23703	690	2.9	0.004533	**2.9050**	ug/L
ê	Cr	53	56	1411	6	0.4	0.000920	**5.1898**	ug/L
ê	Mn	55	1243	78606	980	1.2	0.052674	**26.2845**	ug/L
ê	Fe	54	156113	372445	5238	1.4	0.132518	**1272.2322**	ug/L
ê	Fe	57	10282	64631	2827	4.4	0.036088	**889.3933**	ug/L
ê	Co	59	52	2591	87	3.4	0.001729	**0.9645**	ug/L
ê	Ni	60	52	1173	23	2.0	0.000760	**2.0216**	ug/L
ë	Ni	62	131	671	45	6.7	0.000356	**6.2686**	ug/L
é	Cu	65	14	1780	73	4.1	0.001449	**3.3830**	ug/L
ê	Cu	63	30	7335	229	3.1	0.005996	**6.6471**	ug/L
ê	Zn	66	41	4102	122	3.0	0.003333	**18.0568**	ug/L
ê	Zn	68	535	3578	23	0.6	0.002467	**19.2818**	ug/L
ê>	Ge	74	1136281	1217903	12498	1.0	1217903.142690		ug/L
ë	As	75	-132	36586	1144	3.1	0.030158	**145.3628**	ug/L
é	Se	77	98	129	14	10.6	0.000023	**2.8825**	ug/L
ê	Se	82	10	11464	445	3.9	0.009291	**518.8454**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	1591	71	4.5	0.001279	**3.6347**	ug/L
ê	Mo	97	12	1341	89	6.6	0.001078	**5.0088**	ug/L
ê	Mo	98	19	1147	52	4.5	0.000915	**1.6191**	ug/L
ê	Ag	107	5	259	13	5.1	0.000206	**0.1535**	ug/L
ê	Ag	109	6	328	9	2.7	0.000261	**0.1624**	ug/L
ê	Cd	111	3	241	14	6.0	0.000193	**0.4980**	ug/L
ê	Cd	114	35	621	24	3.9	0.000475	**0.5491**	ug/L

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ê>	In	115	1206580	1232686	5850	0.5	1232686.101127		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	252	11	4.2	0.000198	**0.1760**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1130377	3462	0.3	1130376.919290		ug/L
ê	Tl	205	4	155	9	5.5	0.000134	**0.0395**	ug/L
ê	Pb	208	25	10680	126	1.2	0.009425	**2.3487**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	109212	493	0.5	65973.531279		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	114.245
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	107.183
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	102.164
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	102.652
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-13RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 02:53:48
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 302

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-13RE1.221
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	34	10	30.3	0.000018	**-0.0108**	ug/L
ê	B	11	551	93006	691	0.7	0.064037	**322.2944**	ug/L
ê	Na	23	7063	353014032	2972570	0.8	244.686815	**119984.3454**	ug/L
ê	Mg	24	264	81738769	261237	0.3	56.655723	**42306.9370**	ug/L
ê	Al	27	1705	20918232	264196	1.3	14.497920	**7376.0800**	ug/L
ê	K	39	743956	78061223	184886	0.2	53.526820	**24126.2386**	ug/L
ê	Ca	44	6038	68806771	377975	0.5	47.687028	**783326.6219**	ug/L
ê>	Sc	45	1282853	1442734	5872	0.4	1442734.369373		ug/L
ê	Ti	47	53	137820	1235	0.9	0.095488	**609.4171**	ug/L
ê	Ti	48	-206	1575752	39424	2.5	1.092423	**662.7536**	ug/L
ê	V	51	56	116878	1456	1.2	0.080966	**43.5835**	ug/L
ê	Cr	52	14940	85866	1794	2.1	0.047867	**30.4860**	ug/L
ê	Cr	53	56	8649	80	0.9	0.005951	**33.8804**	ug/L
ê	Mn	55	1243	491283	3462	0.7	0.339555	**169.6092**	ug/L
ê	Fe	54	156113	1565403	7867	0.5	0.963333	**9341.0062**	ug/L
ê	Fe	57	10282	494285	13827	2.8	0.334608	**8266.8913**	ug/L
ê	Co	59	52	10150	286	2.8	0.006995	**4.0981**	ug/L
ê	Ni	60	52	-8644	779	9.0	-0.006032	**-16.4017**	ug/L
ë	Ni	62	131	2078	32	1.5	0.001338	**24.4077**	ug/L
é	Cu	65	14	5947	148	2.5	0.005145	**12.1771**	ug/L
ê	Cu	63	30	14917	256	1.7	0.012912	**14.4064**	ug/L
ê	Zn	66	41	7840	92	1.2	0.006765	**36.7764**	ug/L
ê	Zn	68	535	8073	187	2.3	0.006530	**51.0718**	ug/L
ê>	Ge	74	1136281	1152865	11792	1.0	1152865.078106		ug/L
ë	As	75	-132	19812	241	1.2	0.017302	**83.2371**	ug/L
é	Se	77	98	144	3	2.1	0.000042	**4.2967**	ug/L
ê	Se	82	10	4996	93	1.9	0.004262	**238.0462**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	893	35	3.9	0.000751	**2.1329**	ug/L
ê	Mo	97	12	635	16	2.5	0.000533	**2.4952**	ug/L
ê	Mo	98	19	890	36	4.0	0.000745	**1.3185**	ug/L
ê	Ag	107	5	257	19	7.5	0.000215	**0.1613**	ug/L
ê	Ag	109	6	254	15	6.0	0.000213	**0.1310**	ug/L
ê	Cd	111	3	104	9	8.2	0.000086	**0.2209**	ug/L
ê	Cd	114	35	251	16	6.2	0.000185	**0.2244**	ug/L

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ê>	In	115	1206580	1170223	15158	1.3	1170222.634073		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	467	30	6.5	0.000392	**0.3506**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1094261	12331	1.1	1094260.500706		ug/L
ê	Tl	205	4	270	32	11.8	0.000243	**0.0747**	ug/L
ê	Pb	208	25	34384	391	1.1	0.031400	**7.8570**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	92621	870	0.9	49382.964502		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	112.463
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	101.460
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	96.987
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	99.372
|	Tl	205	
|	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-14RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 02:57:44
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 303

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-14RE1.222
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	11	4	39.0	0.000002	**-0.1269**	ug/L
ê	B	11	551	82884	1777	2.1	0.055156	**277.6234**	ug/L
ê	Na	23	7063	393162155	5290150	1.3	263.656317	**129286.3944**	ug/L
ê	Mg	24	264	52047413	998958	1.9	34.899681	**26057.7294**	ug/L
ê	Al	27	1705	2789451	17111	0.6	1.869442	**950.4283**	ug/L
ê	K	39	743956	63835084	670092	1.0	42.231751	**19033.1289**	ug/L
ê	Ca	44	6038	20608974	518634	2.5	13.815451	**226930.3947**	ug/L
ê>	Sc	45	1282853	1491286	23926	1.6	1491285.577059		ug/L
ê	Ti	47	53	23780	256	1.1	0.015908	**101.5439**	ug/L
ê	Ti	48	-206	343263	10961	3.2	0.230387	**139.8016**	ug/L
ê	V	51	56	56589	537	0.9	0.037906	**20.3836**	ug/L
ê	Cr	52	14940	32100	194	0.6	0.009884	**6.3103**	ug/L
ê	Cr	53	56	2289	75	3.3	0.001492	**8.4508**	ug/L
ê	Mn	55	1243	101223	1631	1.6	0.066910	**33.3969**	ug/L
ê	Fe	54	156113	450149	6326	1.4	0.180247	**1735.7682**	ug/L
ê	Fe	57	10282	85445	1684	2.0	0.049284	**1215.5099**	ug/L
ê	Co	59	52	2210	79	3.6	0.001442	**0.7940**	ug/L
ê	Ni	60	52	-1967	135	6.9	-0.001359	**-3.7283**	ug/L
ë	Ni	62	131	656	30	4.6	0.000338	**5.9392**	ug/L
é	Cu	65	14	2079	37	1.8	0.001705	**3.9917**	ug/L
ê	Cu	63	30	7897	113	1.4	0.006495	**7.2071**	ug/L
ê	Zn	66	41	3865	54	1.4	0.003156	**17.0957**	ug/L
ê	Zn	68	535	3289	65	2.0	0.002246	**17.5547**	ug/L
ê>	Ge	74	1136281	1210936	17281	1.4	1210936.217338		ug/L
ë	As	75	-132	23088	416	1.8	0.019183	**92.3266**	ug/L
é	Se	77	98	134	15	11.5	0.000027	**3.1694**	ug/L
ê	Se	82	10	6748	173	2.6	0.005457	**304.7522**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	1051	23	2.2	0.000840	**2.3849**	ug/L
ê	Mo	97	12	852	25	3.0	0.000680	**3.1741**	ug/L
ê	Mo	98	19	907	24	2.6	0.000718	**1.2705**	ug/L
ê	Ag	107	5	209	15	7.2	0.000165	**0.1197**	ug/L
ê	Ag	109	6	244	1	0.2	0.000193	**0.1181**	ug/L
ê	Cd	111	3	212	20	9.5	0.000169	**0.4357**	ug/L
ê	Cd	114	35	559	78	13.9	0.000425	**0.4925**	ug/L

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ê>	In	115	1206580	1235053	17415	1.4	1235053.228620		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	205	18	8.7	0.000159	**0.1417**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1147263	18022	1.6	1147262.759887		ug/L
ê	Tl	205	4	266	11	4.2	0.000229	**0.0702**	ug/L
ê	Pb	208	25	13376	185	1.4	0.011639	**2.9036**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	102321	213	0.2	59083.463666		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	116.248
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	106.570
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	102.360
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	104.185
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-15RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 03:01:40
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 304

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-15RE1.223
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	9	5	56.9	0.000000	**-0.1379**	ug/L
ê	B	11	551	86818	3716	4.3	0.053975	**271.6817**	ug/L
ê	Na	23	7063	486008304	22143541	4.6	304.529851	**149329.4947**	ug/L
ê	Mg	24	264	50272337	1978836	3.9	31.506308	**23523.2785**	ug/L
ê	Al	27	1705	1937230	140758	7.3	1.211104	**615.4511**	ug/L
ê	K	39	743956	84071675	6208405	7.4	52.034545	**23453.3505**	ug/L
ê	Ca	44	6038	10321960	634220	6.1	6.458400	**106078.7589**	ug/L
ê>	Sc	45	1282853	1597127	99526	6.2	1597126.512033		ug/L
ê	Ti	47	53	16566	869	5.2	0.010336	**65.9823**	ug/L
ê	Ti	48	-206	193722	11869	6.1	0.121989	**74.0417**	ug/L
ê	V	51	56	49640	2412	4.9	0.031055	**16.6927**	ug/L
ê	Cr	52	14940	28927	1997	6.9	0.006461	**4.1319**	ug/L
ê	Cr	53	56	1853	113	6.1	0.001117	**6.3135**	ug/L
ê	Mn	55	1243	95937	4860	5.1	0.059131	**29.5106**	ug/L
ê	Fe	54	156113	403765	24958	6.2	0.131123	**1258.6841**	ug/L
ê	Fe	57	10282	66915	4916	7.3	0.033863	**834.4111**	ug/L
ê	Co	59	52	1730	142	8.2	0.001042	**0.5558**	ug/L
ê	Ni	60	52	259	37	14.3	0.000121	**0.2883**	ug/L
ë	Ni	62	131	693	69	10.0	0.000331	**5.8088**	ug/L
é	Cu	65	14	1789	133	7.4	0.001346	**3.1392**	ug/L
ê	Cu	63	30	8000	304	3.8	0.006056	**6.7142**	ug/L
ê	Zn	66	41	4795	280	5.8	0.003607	**19.5558**	ug/L
ê	Zn	68	535	3855	128	3.3	0.002461	**19.2359**	ug/L
ê>	Ge	74	1136281	1316256	76011	5.8	1316256.036231		ug/L
ë	As	75	-132	28742	2483	8.6	0.021930	**105.5992**	ug/L
é	Se	77	98	153	25	16.4	0.000036	**3.8636**	ug/L
ê	Se	82	10	8721	856	9.8	0.006686	**373.3869**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	1427	56	3.9	0.001085	**3.0839**	ug/L
ê	Mo	97	12	1151	112	9.7	0.000874	**4.0652**	ug/L
ê	Mo	98	19	1056	31	2.9	0.000797	**1.4096**	ug/L
ê	Ag	107	5	292	9	3.1	0.000221	**0.1659**	ug/L
ê	Ag	109	6	364	33	9.1	0.000275	**0.1713**	ug/L
ê	Cd	111	3	168	20	11.9	0.000126	**0.3254**	ug/L
ê	Cd	114	35	449	8	1.9	0.000316	**0.3711**	ug/L

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ê>	In	115	1206580	1300889	54544	4.2	1300889.248844		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	182	15	8.5	0.000133	**0.1178**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1188023	35355	3.0	1188023.395145		ug/L
ê	Tl	205	4	241	4	1.7	0.000200	**0.0608**	ug/L
ê	Pb	208	25	11855	403	3.4	0.009955	**2.4814**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	107598	1706	1.6	64359.749580		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	124.498
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	115.839
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	107.816
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	107.887
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-16RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 03:05:36
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 305

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-16RE1.224
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	12	7	54.0	-0.000001	**-0.1484**	ug/L
ê	B	11	551	135486	44574	32.9	0.045479	**228.9464**	ug/L
ê	Na	23	7063	S	S	S	S	**S**	ug/L
ê	Mg	24	264	64419039	14377135	22.3	22.219334	**16586.9996**	ug/L
ê	Al	27	1705	5744250	1399140	24.4	1.973252	**1003.2492**	ug/L
ê	K	39	743956	175100866	63318052	36.2	58.430088	**26337.1932**	ug/L
ê	Ca	44	6038	15742399	5773666	36.7	5.297278	**87005.4293**	ug/L
ê>	Sc	45	1282853	2919540	775088	26.5	2919539.665311		ug/L
ê	Ti	47	53	58731	22160	37.7	0.019706	**125.7827**	ug/L
ê	Ti	48	-206	691214	314338	45.5	0.229588	**139.3164**	ug/L
ê	V	51	56	93109	26577	28.5	0.031749	**17.0669**	ug/L
ê	Cr	52	14940	85351	38367	45.0	0.016703	**10.6508**	ug/L
ê	Cr	53	56	5621	2549	45.4	0.001823	**10.3371**	ug/L
ê	Mn	55	1243	236628	91392	38.6	0.078458	**39.1660**	ug/L
ê	Fe	54	156113	1196464	481554	40.2	0.278847	**2693.3571**	ug/L
ê	Fe	57	10282	324343	165763	51.1	0.098585	**2433.9031**	ug/L
ê	Co	59	52	11783	5895	50.0	0.003840	**2.2210**	ug/L
ê	Ni	60	52	22994	11020	47.9	0.007563	**20.4722**	ug/L
ë	Ni	62	131	3960	1376	34.8	0.001236	**22.5256**	ug/L
é	Cu	65	14	6088	2350	38.6	0.002450	**5.7644**	ug/L
ê	Cu	63	30	24304	11263	46.3	0.009652	**10.7490**	ug/L
ê	Zn	66	41	11216	3992	35.6	0.004532	**24.6002**	ug/L
ê	Zn	68	535	8669	2941	33.9	0.003072	**24.0202**	ug/L
ê>	Ge	74	1136281	2446796	811516	33.2	2446796.065349		ug/L
ë	As	75	-132	85846	46922	54.7	0.033704	**162.5028**	ug/L
é	Se	77	98	775	682	88.0	0.000366	**28.8190**	ug/L
ê	Se	82	10	28619	16853	58.9	0.016755	**935.5475**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	3213	1611	50.1	0.001879	**5.3430**	ug/L
ê	Mo	97	12	2810	1428	50.8	0.001643	**7.6100**	ug/L
ê	Mo	98	19	1302	289	22.2	0.000761	**1.3467**	ug/L
ê	Ag	107	5	430	179	41.5	0.000250	**0.1901**	ug/L
ê	Ag	109	6	299	34	11.5	0.000174	**0.1064**	ug/L
ê	Cd	111	3	309	10	3.2	0.000183	**0.4732**	ug/L
ê	Cd	114	35	740	45	6.1	0.000416	**0.4831**	ug/L

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ê>	In	115	1206580	1663879	130595	7.8	1663879.316696		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	262	27	10.4	0.000150	**0.1336**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1524359	136934	9.0	1524358.938600		ug/L
ê	Tl	205	4	364	50	13.8	0.000234	**0.0720**	ug/L
ê	Pb	208	25	24083	2377	9.9	0.015771	**3.9394**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	112971	562	0.5	69733.267171		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	227.582
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	215.334
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	137.901
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	138.430
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-17RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 03:09:32
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 306

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-17RE1.225
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	16	7	43.8	0.000004	**-0.1126**	ug/L
ê	B	11	551	115864	5551	4.8	0.064656	**325.4109**	ug/L
ê	Na	23	7063	477772175	20089602	4.2	268.440213	**131632.2670**	ug/L
ê	Mg	24	264	47124922	1719110	3.6	26.488617	**19775.6526**	ug/L
ê	Al	27	1705	6883799	173809	2.5	3.869436	**1968.0700**	ug/L
ê	K	39	743956	112228504	7677968	6.8	62.420566	**28136.5572**	ug/L
ê	Ca	44	6038	10463657	655271	6.3	5.869663	**96407.7844**	ug/L
ê>	Sc	45	1282853	1781770	119206	6.7	1781769.727365		ug/L
ê	Ti	47	53	63848	4087	6.4	0.035807	**228.5405**	ug/L
ê	Ti	48	-206	659797	34387	5.2	0.370983	**225.0938**	ug/L
ê	V	51	56	84098	4598	5.5	0.047184	**25.3825**	ug/L
ê	Cr	52	14940	39227	4113	10.5	0.010338	**6.5998**	ug/L
ê	Cr	53	56	2591	146	5.6	0.001412	**7.9938**	ug/L
ê	Mn	55	1243	219648	11214	5.1	0.122413	**61.1261**	ug/L
ê	Fe	54	156113	959991	56359	5.9	0.417521	**4040.1455**	ug/L
ê	Fe	57	10282	272794	15701	5.8	0.145202	**3585.9848**	ug/L
ê	Co	59	52	5772	341	5.9	0.003201	**1.8405**	ug/L
ê	Ni	60	52	3420	255	7.5	0.001879	**5.0545**	ug/L
ë	Ni	62	131	1285	39	3.0	0.000620	**11.1508**	ug/L
é	Cu	65	14	5417	331	6.1	0.003734	**8.8198**	ug/L
ê	Cu	63	30	16003	1104	6.9	0.011038	**12.3041**	ug/L
ê	Zn	66	41	8430	423	5.0	0.005798	**31.5009**	ug/L
ê	Zn	68	535	6279	501	8.0	0.003868	**30.2474**	ug/L
ê>	Ge	74	1136281	1445792	86225	6.0	1445791.851725		ug/L
ë	As	75	-132	36156	3591	9.9	0.025086	**120.8546**	ug/L
é	Se	77	98	181	22	12.2	0.000050	**4.8597**	ug/L
ê	Se	82	10	11039	1253	11.3	0.007962	**444.6230**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	1612	82	5.1	0.001152	**3.2753**	ug/L
ê	Mo	97	12	1255	59	4.7	0.000897	**4.1743**	ug/L
ê	Mo	98	19	1211	78	6.4	0.000859	**1.5206**	ug/L
ê	Ag	107	5	295	41	13.7	0.000209	**0.1559**	ug/L
ê	Ag	109	6	286	25	8.8	0.000202	**0.1240**	ug/L
ê	Cd	111	3	316	4	1.3	0.000225	**0.5827**	ug/L
ê	Cd	114	35	754	26	3.5	0.000516	**0.5951**	ug/L

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ê>	In	115	1206580	1383764	23694	1.7	1383764.294541		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	231	7	3.1	0.000160	**0.1426**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1277925	30043	2.4	1277924.578115		ug/L
ê	Tl	205	4	183	14	7.9	0.000139	**0.0413**	ug/L
ê	Pb	208	25	38903	839	2.2	0.030420	**7.6115**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	112174	972	0.9	68936.036378		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	138.891
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	127.239
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	114.685
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	116.051
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-18RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 03:13:28
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 307

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-18RE1.226
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	6	1	16.7	-0.000002	**-0.1499**	ug/L
ê	B	11	551	81909	592	0.7	0.051856	**261.0224**	ug/L
ê	Na	23	7063	350174588	3796781	1.1	223.515153	**109602.4256**	ug/L
ê	Mg	24	264	26970221	98484	0.4	17.215970	**12850.0744**	ug/L
ê	Al	27	1705	867898	19739	2.3	0.552625	**280.4024**	ug/L
ê	K	39	743956	59437974	1172696	2.0	37.357057	**16835.0588**	ug/L
ê	Ca	44	6038	2462783	19361	0.8	1.567331	**25734.9196**	ug/L
ê>	Sc	45	1282853	1566660	12614	0.8	1566660.467978		ug/L
ê	Ti	47	53	8105	118	1.5	0.005132	**32.7741**	ug/L
ê	Ti	48	-206	95993	5256	5.5	0.061453	**37.3179**	ug/L
ê	V	51	56	35490	287	0.8	0.022611	**12.1434**	ug/L
ê	Cr	52	14940	19537	357	1.8	0.000826	**0.5451**	ug/L
ê	Cr	53	56	802	36	4.4	0.000469	**2.6172**	ug/L
ê	Mn	55	1243	43546	1100	2.5	0.026828	**13.3722**	ug/L
ê	Fe	54	156113	301702	7591	2.5	0.070904	**673.8416**	ug/L
ê	Fe	57	10282	37410	1149	3.1	0.015868	**389.6734**	ug/L
ê	Co	59	52	1325	69	5.2	0.000805	**0.4151**	ug/L
ê	Ni	60	52	1285	31	2.4	0.000780	**2.0739**	ug/L
ë	Ni	62	131	464	19	4.0	0.000194	**3.2856**	ug/L
é	Cu	65	14	1371	19	1.4	0.001064	**2.4672**	ug/L
ê	Cu	63	30	5860	58	1.0	0.004574	**5.0521**	ug/L
ê	Zn	66	41	3411	65	1.9	0.002643	**14.2946**	ug/L
ê	Zn	68	535	3045	64	2.1	0.001920	**15.0030**	ug/L
ê>	Ge	74	1136281	1273660	11547	0.9	1273659.702009		ug/L
ë	As	75	-132	18960	429	2.3	0.015003	**72.1279**	ug/L
é	Se	77	98	124	28	23.0	0.000016	**2.3120**	ug/L
ê	Se	82	10	5611	126	2.2	0.004383	**244.8246**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	888	41	4.7	0.000683	**1.9393**	ug/L
ê	Mo	97	12	751	57	7.5	0.000578	**2.7043**	ug/L
ê	Mo	98	19	669	26	3.8	0.000508	**0.8970**	ug/L
ê	Ag	107	5	165	14	8.5	0.000125	**0.0871**	ug/L
ê	Ag	109	6	236	10	4.1	0.000180	**0.1099**	ug/L
ê	Cd	111	3	134	15	11.4	0.000102	**0.2613**	ug/L
ê	Cd	114	35	342	29	8.5	0.000238	**0.2835**	ug/L

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ê>	In	115	1206580	1278329	18683	1.5	1278328.790481		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	97	6	6.2	0.000069	**0.0608**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1162897	6640	0.6	1162896.992846		ug/L
ê	Tl	205	4	135	7	4.9	0.000113	**0.0327**	ug/L
ê	Pb	208	25	6928	160	2.3	0.005935	**1.4738**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	98009	1057	1.1	54771.412412		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	122.123
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	112.090
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	105.947
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	105.605
|	Tl	205	
|	Pb	208	

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	Bi	209
	Th	232
	U	238
	C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-19RE1
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Tuesday, April 08, 2014 03:17:24
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 308

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\1411043-19RE1.227
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	51	8	14.8	0.000029	**0.0609**	ug/L
ê	B	11	551	104240	693	0.7	0.068704	**345.7682**	ug/L
ê	Na	23	7063	329238522	5716667	1.7	218.345869	**107067.5707**	ug/L
ê	Mg	24	264	100691675	1580266	1.6	66.773145	**49863.4625**	ug/L
ê	Al	27	1705	32344498	108553	0.3	21.450499	**10913.7071**	ug/L
ê	K	39	743956	57913069	1323572	2.3	37.823139	**17045.2219**	ug/L
ê	Ca	44	6038	76403988	755969	1.0	50.667729	**832289.5239**	ug/L
ê>	Sc	45	1282853	1507949	22002	1.5	1507948.992337		ug/L
ê	Ti	47	53	230010	5291	2.3	0.152478	**973.1249**	ug/L
ê	Ti	48	-206	2602013	197722	7.6	1.725222	**1046.6400**	ug/L
ê	V	51	56	229864	1724	0.8	0.152404	**82.0718**	ug/L
ê	Cr	52	14940	123100	2516	2.0	0.069984	**44.5624**	ug/L
ê	Cr	53	56	13019	214	1.6	0.008593	**48.9429**	ug/L
ê	Mn	55	1243	1128118	15182	1.3	0.747198	**373.2667**	ug/L
ê	Fe	54	156113	2552820	28930	1.1	1.571285	**15245.3668**	ug/L
ê	Fe	57	10282	803449	19882	2.5	0.524942	**12970.7170**	ug/L
ê	Co	59	52	16960	83	0.5	0.011208	**6.6049**	ug/L
ê	Ni	60	52	2281	724	31.7	0.001477	**3.9665**	ug/L
ë	Ni	62	131	4327	129	3.0	0.002767	**50.7929**	ug/L
é	Cu	65	14	7055	53	0.8	0.006084	**14.4115**	ug/L
ê	Cu	63	30	16968	205	1.2	0.014637	**16.3413**	ug/L
ê	Zn	66	41	8683	73	0.8	0.007468	**40.6097**	ug/L
ê	Zn	68	535	6737	91	1.4	0.005350	**41.8382**	ug/L
ê>	Ge	74	1136281	1157233	12314	1.1	1157233.196662		ug/L
ë	As	75	-132	18569	238	1.3	0.016164	**77.7351**	ug/L
é	Se	77	98	150	1	0.7	0.000046	**4.5662**	ug/L
ê	Se	82	10	4116	129	3.1	0.003467	**193.6761**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	985	29	2.9	0.000819	**2.3271**	ug/L
ê	Mo	97	12	745	33	4.4	0.000619	**2.8932**	ug/L
ê	Mo	98	19	1227	22	1.8	0.001021	**1.8068**	ug/L
ê	Ag	107	5	249	16	6.5	0.000206	**0.1540**	ug/L
ê	Ag	109	6	236	16	6.8	0.000195	**0.1193**	ug/L
ê	Cd	111	3	151	17	11.3	0.000125	**0.3216**	ug/L
ê	Cd	114	35	360	22	6.1	0.000274	**0.3242**	ug/L

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ê>	In	115	1206580	1184717	13159	1.1	1184717.143463		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	376	10	2.7	0.000310	**0.2770**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1094512	6854	0.6	1094512.206054		ug/L
ê	Tl	205	4	377	13	3.3	0.000341	**0.1065**	ug/L
ê	Pb	208	25	45499	380	0.8	0.041547	**10.4007**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	92134	161	0.2	48895.812707		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	117.546
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	101.844
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	98.188
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	99.395
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVE

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 08, 2014 03:21:22
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCVE.228
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	6631	107	1.6	0.004435	**3.0764**	ug/L
ê	B	11	551	122874	594	0.5	0.081840	**41.1848**	ug/L
ê	Na	23	7063	9501102	101147	1.1	6.355786	**311.4278**	ug/L
ê	Mg	24	264	6344390	70628	1.1	4.247642	**316.4257**	ug/L
ê	Al	27	1705	903961	15731	1.7	0.603883	**30.6484**	ug/L
ê	K	39	743956	11275600	63180	0.6	6.969516	**313.2878**	ug/L
ê	Ca	44	6038	574338	8589	1.5	0.379827	**622.8219**	ug/L
ê>	Sc	45	1282853	1493580	4878	0.3	1493579.703522		ug/L
ê	Ti	47	53	9445	209	2.2	0.006283	**4.0115**	ug/L
ê	Ti	48	-206	96032	5112	5.3	0.064450	**3.9136**	ug/L
ê	V	51	56	81810	1686	2.1	0.054729	**2.9448**	ug/L
ê	Cr	52	14940	83095	2469	3.0	0.043987	**2.8016**	ug/L
ê	Cr	53	56	7899	164	2.1	0.005245	**2.9854**	ug/L
ê	Mn	55	1243	37832	396	1.0	0.024361	**1.2140**	ug/L
ê	Fe	54	156113	343196	3381	1.0	0.108086	**103.4944**	ug/L
ê	Fe	57	10282	71287	951	1.3	0.039714	**97.9010**	ug/L
ê	Co	59	52	50250	1421	2.8	0.033603	**1.9931**	ug/L
ê	Ni	60	52	21873	326	1.5	0.014605	**3.9573**	ug/L
ë	Ni	62	131	3427	67	2.0	0.002192	**4.0181**	ug/L
é	Cu	65	14	13522	217	1.6	0.010763	**2.5543**	ug/L
ê	Cu	63	30	29122	488	1.7	0.023179	**2.5925**	ug/L
ê	Zn	66	41	9587	120	1.2	0.007605	**4.1360**	ug/L
ê	Zn	68	535	7253	139	1.9	0.005309	**4.1514**	ug/L
ê>	Ge	74	1136281	1254989	15936	1.3	1254989.355792		ug/L
ë	As	75	-132	13768	286	2.1	0.011087	**5.3203**	ug/L
é	Se	77	98	1796	31	1.7	0.001347	**10.3102**	ug/L
ê	Se	82	10	2274	72	3.2	0.001800	**10.0602**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	2850	90	3.2	0.002254	**0.6411**	ug/L
ê	Mo	97	12	1750	50	2.9	0.001382	**0.6409**	ug/L
ê	Mo	98	19	4496	31	0.7	0.003558	**0.6310**	ug/L
ê	Ag	107	5	6567	95	1.4	0.005217	**0.4292**	ug/L
ê	Ag	109	6	8331	118	1.4	0.006619	**0.4272**	ug/L
ê	Cd	111	3	1949	40	2.1	0.001547	**0.4017**	ug/L
ê	Cd	114	35	4494	172	3.8	0.003543	**0.3986**	ug/L

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ê>	In	115	1206580	1257825	8182	0.7	1257825.043486		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	5657	101	1.8	0.004490	**0.4022**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1150294	14838	1.3	1150294.425969		ug/L
ê	Tl	205	4	7579	15	0.2	0.006585	**0.2130**	ug/L
ê	Pb	208	25	25106	264	1.1	0.021806	**0.5452**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	52721	615	1.2	9483.110667		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	116.426
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	110.447
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	104.247
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	104.461
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBE

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, April 08, 2014 03:25:18
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400293.sam
Method File: C:\NexIONData\Method\2014\04-14\1400293-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-CCBE.229
Calibration File: C:\NexIONData\System\2014\04-14\1400293.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400293\SEQ-ICB1.050

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Li	7	37						ug/L
ê	Be	9	7	3	1	33.3	-0.000004	**-0.0167**	ug/L
ê	B	11	551	3947	1965	49.8	0.001060	**0.5510**	ug/L
ê	Na	23	7063	36165	10967	30.3	0.008812	**0.1921**	ug/L
ê	Mg	24	264	1249	417	33.4	0.000286	**-0.8019**	ug/L
ê	Al	27	1705	4478	1550	34.6	0.000425	**-0.0569**	ug/L
ê	K	39	743956	1208775	432537	35.8	-0.107638	**-5.8314**	ug/L
ê	Ca	44	6038	9559	4820	50.4	-0.001100	**-2.9124**	ug/L
ê>	Sc	45	1282853	2595988	1049831	40.4	2595988.204421		ug/L
ê	Ti	47	53	253	267	105.3	0.000041	**0.0285**	ug/L
ê	Ti	48	-206	518	400	77.3	0.000344	**0.0246**	ug/L
ê	V	51	56	225	39	17.3	0.000048	**-0.0013**	ug/L
ê	Cr	52	14940	43504	30780	70.8	0.003881	**0.2490**	ug/L
ê	Cr	53	56	357	336	94.2	0.000076	**0.0381**	ug/L
ê	Mn	55	1243	2493	1370	55.0	-0.000041	**-0.0052**	ug/L
ê	Fe	54	156113	415979	256709	61.7	0.030408	**28.0547**	ug/L
ê	Fe	57	10282	64671	79023	122.2	0.012035	**29.4952**	ug/L
ê	Co	59	52	185	179	97.0	0.000021	**-0.0052**	ug/L
ê	Ni	60	52	90	40	44.5	-0.000006	**-0.0057**	ug/L
ë	Ni	62	131	286	174	61.0	0.000003	**-0.0249**	ug/L
é	Cu	65	14	67	28	41.0	0.000019	**-0.0019**	ug/L
ê	Cu	63	30	144	110	76.5	0.000033	**-0.0043**	ug/L
ê	Zn	66	41	170	84	49.3	0.000041	**0.0102**	ug/L
ê	Zn	68	535	1077	535	49.7	0.000013	**0.0087**	ug/L
ê>	Ge	74	1136281	2222156	1090287	49.1	2222155.855753		ug/L
ë	As	75	-132	-1108	1735	156.7	-0.000226	**-0.1472**	ug/L
é	Se	77	98	522	652	124.9	0.000205	**1.6592**	ug/L
ê	Se	82	10	93	94	101.2	0.000044	**0.2557**	ug/L
ê	Sr	88	124						ug/L
ê	Mo	95	14	31	4	13.2	0.000007	**0.0014**	ug/L
ê	Mo	97	12	23	9	37.5	0.000004	**0.0056**	ug/L
ê	Mo	98	19	34	12	35.7	0.000004	**0.0004**	ug/L
ê	Ag	107	5	6	4	65.7	-0.000000	**-0.0017**	ug/L
ê	Ag	109	6	7	2	24.7	-0.000000	**-0.0007**	ug/L
ê	Cd	111	3	1	1	86.6	-0.000002	**-0.0009**	ug/L
ê	Cd	114	35	59	32	54.6	0.000005	**0.0023**	ug/L

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ê>	In	115	1206580	1654141	228555	13.8	1654141.204361		ug/L
ê	Sn	120	142						ug/L
ê	Sb	121	8	12	4	32.8	0.000001	**-0.0000**	ug/L
ë	Ba	138	38						ug/L
é>	Tm	169	1101174	1418345	156778	11.1	1418345.382749		ug/L
ê	Tl	205	4	4	1	13.3	-0.000001	**-0.0004**	ug/L
ê	Pb	208	25	66	8	11.8	0.000023	**-0.0008**	ug/L
ê	Bi	209	8						ug/L
ê	Th	232	44						ug/L
ë	U	238	0						ug/L
	C	13	43238	56054	1441	2.6	12816.136544		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Li	7	
|	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	K	39	
|	Ca	44	
|>	Sc	45	202.361
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	195.564
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	137.093
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	128.803
|	Tl	205	
|	Pb	208	

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Bi	209
Th	232
U	238
C	13

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ANALYSIS SEQUENCE

1400313

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400313-ICB1	1400313	QC	1		-			
1400313-CAL1	1400313	QC	2	1411038	-			
1400313-CAL2	1400313	QC	3	1411039	-			
1400313-CAL3	1400313	QC	4	1411040	-			
1400313-CAL4	1400313	QC	5	1411041	-			
1400313-CAL5	1400313	QC	6	1411042	-			
1400313-CAL6	1400313	QC	7	1411043	-			
1400313-CAL7	1400313	QC	8	1411044	-			
1400313-CAL8	1400313	QC	9	1411045	-			
1400313-ICB2	1400313	QC	10		-			
1400313-ICV1	1400313	QC	11	1341021	-			
1400313-ICB3	1400313	QC	12		-			
1400313-IBL1	1400313	QC	13		-			
1400313-IBL2	1400313	QC	14		-			
1400313-IBL3	1400313	QC	15		-			
1400313-IBL4	1400313	QC	16		-			
1400313-SCV1	1400313	QC	17	1414027	-			
1400313-SCV3	1400313	QC	18	1352078	-			
1400313-IFA1	1400313	QC	19	1343002	-			
1400313-IFB1	1400313	QC	20	1343001	-			
1400313-CCV1	1400313	QC	21	1411041	-			
1400313-CCB1	1400313	QC	22		-			
1400313-CCV2	1400313	QC	23	1411041	-			
1400313-CCB2	1400313	QC	24		-			
1400313-CCV3	1400313	QC	25	1411041	-			
1400313-CCB3	1400313	QC	26		-			

ANALYSIS SEQUENCE

1400313

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400313-CCV4	1400313	QC	27	1411041	-			
1400313-CCB4	1400313	QC	28		-			
1400313-CCV5	1400313	QC	29	1411041	-			
1400313-CCB5	1400313	QC	30		-			
1400313-CCV6	1400313	QC	31	1411041	-			
1400313-CCB6	1400313	QC	32		-			
1400313-CCV7	1400313	QC	33	1411041	-			
1400313-CCB7	1400313	QC	34		-			
1400313-CCV8	1400313	QC	35	1411041	-			
1400313-CCB8	1400313	QC	36		-			
1400313-CCV9	1400313	QC	37	1411041	-			
1400313-CCB9	1400313	QC	38		-			
1400313-CCVA	1400313	QC	39	1411041	-			
1400313-CCBA	1400313	QC	40		-			
1400313-CCVB	1400313	QC	41	1411041	-			
1400313-CCBB	1400313	QC	42		-			
1400313-CCVC	1400313	QC	43	1411041	-			
1400313-CCBC	1400313	QC	44		-			
1400313-CCVD	1400313	QC	45	1411041	-			
1400313-CCBD	1400313	QC	46		-			
B140614-BLK1	B140614	QC	47		-			
B140614-BLK2	B140614	QC	48		-			
B140614-BLK3	B140614	QC	49		-			
B140614-BLK4	B140614	QC	50		-			
B140614-BS1	B140614	QC	51		-			
B140614-SRM1	B140614	QC	52		-			

ANALYSIS SEQUENCE

1400313

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1331056-15RE1	B140614	Sb-SW-RP-ICPMS-TR	53			RP SW-LFB	8/23/2013	From B140481 by A_R on 04/08/14
1331056-15RE1	B140614	Cd-SW-RP-ICPMS-TR	53			RP SW-LFB	1/1/1980	BatchQC
1331056-15RE1	B140614	Ni-SW-RP-ICPMS-TR	53			RP SW-LFB	8/23/2013	From B140481 by A_R on 04/08/14
1331056-15RE1	B140614	Pb-SW-RP-ICPMS-TR	53			RP SW-LFB	1/1/1980	BatchQC
1331056-15RE1	B140614	Be-SW-RP-ICPMS-TR	53			RP SW-LFB	1/1/1980	BatchQC
B140614-MS4	B140614	QC	54		1331056-15RE1			
1400313-CCVE	1400313	QC	55	1411041	-			
1400313-CCBE	1400313	QC	56		-			
1412027-01RE1	B140614	Be-SW-RP-ICPMS-TR	57			EUR-MO1401	1/1/1980	BatchQC
1412027-01RE1	B140614	Cd-SW-RP-ICPMS-TR	57			EUR-MO1401	1/1/1980	BatchQC
1412027-01RE1	B140614	Ni-SW-RP-ICPMS-TR	57			EUR-MO1401	4/4/2014	From B140481 by A_R on 04/08/14
1412027-01RE1	B140614	Sb-SW-RP-ICPMS-TR	57			EUR-MO1401	4/4/2014	From B140481 by A_R on 04/08/14
1412027-01RE1	B140614	Pb-SW-RP-ICPMS-TR	57			EUR-MO1401	1/1/1980	BatchQC
B140614-DUP1	B140614	QC	58		1412027-01RE1			
B140614-MS1	B140614	QC	59		1412027-01RE1			
1412027-02RE1	B140614	Sb-SW-RP-ICPMS-TR	60			EUR-MO1401	4/4/2014	From B140481 by A_R on 04/08/14
1412027-02RE1	B140614	Ni-SW-RP-ICPMS-TR	60			EUR-MO1401	4/4/2014	From B140481 by A_R on 04/08/14
1412027-03RE1	B140614	Ni-SW-RP-ICPMS-TR	61			EUR-MO1401	4/4/2014	From B140481 by A_R on 04/08/14
1412027-03RE1	B140614	Sb-SW-RP-ICPMS-TR	61			EUR-MO1401	4/4/2014	From B140481 by A_R on 04/08/14
1412027-04RE1	B140614	Ni-SW-RP-ICPMS-TR	62			EUR-MO1401	4/4/2014	From B140481 by A_R on 04/08/14
1412027-04RE1	B140614	Sb-SW-RP-ICPMS-TR	62			EUR-MO1401	4/4/2014	From B140481 by A_R on 04/08/14
1412027-05RE1	B140614	Sb-SW-RP-ICPMS-TR	63			EUR-MO1401	4/4/2014	From B140481 by A_R on 04/08/14
1412027-05RE1	B140614	Ni-SW-RP-ICPMS-TR	63			EUR-MO1401	4/4/2014	From B140481 by A_R on 04/08/14
1412027-06RE1	B140614	Ni-SW-RP-ICPMS-TR	64			EUR-MO1401	4/4/2014	From B140481 by A_R on 04/08/14
1412027-06RE1	B140614	Sb-SW-RP-ICPMS-TR	64			EUR-MO1401	4/4/2014	From B140481 by A_R on 04/08/14
1400313-CCVF	1400313	QC	65	1411041	-			

ANALYSIS SEQUENCE

1400313

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400313-CCBF	1400313	QC	66		-			
1412032-01RE1	B140614	Ni-SW-RP-ICPMS-TR	67			EUR-MO1401	4/7/2014	From B140481 by A_R on 04/08/14
1412032-01RE1	B140614	Sb-SW-RP-ICPMS-TR	67			EUR-MO1401	4/7/2014	From B140481 by A_R on 04/08/14
1412032-02RE1	B140614	Ni-SW-RP-ICPMS-TR	68			EUR-MO1401	4/7/2014	From B140481 by A_R on 04/08/14
1412032-02RE1	B140614	Sb-SW-RP-ICPMS-TR	68			EUR-MO1401	4/7/2014	From B140481 by A_R on 04/08/14
1412024-01RE1	B140614	Cd-SW-RP-ICPMS-TR	69			CI-SE1301 RMT	1/1/1980	BatchQC
1412024-01RE1	B140614	Sb-SW-RP-ICPMS-TR	69			CI-SE1301 RMT	1/1/1980	BatchQC
1412024-01RE1	B140614	Pb-SW-RP-ICPMS-TR	69			CI-SE1301 RMT	4/10/2014	From B140481 by A_R on 04/11/14
1412024-01RE1	B140614	Be-SW-RP-ICPMS-TR	69			CI-SE1301 RMT	1/1/1980	BatchQC
1412024-01RE1	B140614	Ni-SW-RP-ICPMS-TR	69			CI-SE1301 RMT	4/10/2014	From B140481 by A_R on 04/08/14
B140614-DUP2	B140614	QC	70		1412024-01RE1			
B140614-MS2	B140614	QC	71		1412024-01RE1			
1412024-02RE1	B140614	Ni-SW-RP-ICPMS-TR	72			CI-SE1301 RMT	4/10/2014	From B140481 by A_R on 04/08/14
1414010-01RE1	B140614	Ni-SW-RP-ICPMS-TR	73			RTC-PE1001	4/23/2014	From B140481 by A_R on 04/08/14
1414010-01RE1	B140614	Sb-SW-RP-ICPMS-TR	73			RTC-PE1001	4/17/2014	From B140481 by A_R on 04/08/14
1414010-01RE1	B140614	Cd-SW-RP-ICPMS-TR	73			RTC-PE1001	4/23/2014	From B140481 by A_R on 04/10/14
1403036-01RE3	B140614	Ni-SW-RP-ICPMS-TR	74			RTC-PE1001	2/10/2014	From B140481 by A_R on 04/08/14
1403036-01RE3	B140614	Pb-SW-RP-ICPMS-TR	74			RTC-PE1001	2/10/2014	From B140481 by A_R on 04/10/14
1403036-01RE3	B140614	Cd-SW-RP-ICPMS-TR	74			RTC-PE1001	2/10/2014	From B140481 by A_R on 04/10/14
1403036-01RE3	B140614	Be-SW-RP-ICPMS-TR	74			RTC-PE1001	2/10/2014	From B140481 by A_R on 04/10/14
1414010-01RE2	B140614	Ni-SW-RP-ICPMS-TR	75			RTC-PE1001	4/23/2014	Added 4/11/2014 by A_R
1414010-01RE2	B140614	Sb-SW-RP-ICPMS-TR	75			RTC-PE1001	4/17/2014	Added 4/11/2014 by A_R
1414010-01RE2	B140614	Cd-SW-RP-ICPMS-TR	75			RTC-PE1001	4/23/2014	Added 4/11/2014 by A_R
1403036-01RE4	B140614	Be-SW-RP-ICPMS-TR	76			RTC-PE1001	2/10/2014	Added 4/11/2014 by A_R
1403036-01RE4	B140614	Pb-SW-RP-ICPMS-TR	76			RTC-PE1001	2/10/2014	Added 4/11/2014 by A_R
1403036-01RE4	B140614	Cd-SW-RP-ICPMS-TR	76			RTC-PE1001	2/10/2014	Added 4/11/2014 by A_R

ANALYSIS SEQUENCE

1400313

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1403036-01RE4	B140614	Ni-SW-RP-ICPMS-TR	76			RTC-PE1001	2/10/2014	Added 4/11/2014 by A_R
1400313-CCVG	1400313	QC	77	1411041	-			
1400313-CCBG	1400313	QC	78		-			
1411043-01RE2	B140595	200.8-Ag-B-HNO3-ICPMS	79			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-01RE2	B140595	200.8-Be-B-HNO3-ICPMS	79			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-01RE2	B140595	200.8-Co-B-HNO3-ICPMS	79			ARD-MV1302	4/7/2014	Added 4/9/2014 by A_R
B140595-DUP3	B140595	QC	80		1411043-01RE2			
B140595-MS3	B140595	QC	81		1411043-01RE2			
B140595-MSD3	B140595	QC	82		1411043-01RE2			
1411043-02RE2	B140595	200.8-Ag-B-HNO3-ICPMS	83			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-02RE2	B140595	200.8-Be-B-HNO3-ICPMS	83			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-02RE2	B140595	200.8-Co-B-HNO3-ICPMS	83			ARD-MV1302	4/7/2014	Added 4/9/2014 by A_R
1411043-03RE2	B140595	200.8-Be-B-HNO3-ICPMS	84			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-03RE2	B140595	200.8-Ag-B-HNO3-ICPMS	84			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-03RE2	B140595	200.8-Co-B-HNO3-ICPMS	84			ARD-MV1302	4/7/2014	Added 4/9/2014 by A_R
1411043-04RE2	B140595	200.8-Ag-B-HNO3-ICPMS	85			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-04RE2	B140595	200.8-Co-B-HNO3-ICPMS	85			ARD-MV1302	4/7/2014	Added 4/9/2014 by A_R
1411043-04RE2	B140595	200.8-Be-B-HNO3-ICPMS	85			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-05RE2	B140595	200.8-Be-B-HNO3-ICPMS	86			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-05RE2	B140595	200.8-Ag-B-HNO3-ICPMS	86			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-05RE2	B140595	200.8-Co-B-HNO3-ICPMS	86			ARD-MV1302	4/7/2014	Added 4/9/2014 by A_R
1411043-06RE2	B140595	200.8-Co-B-HNO3-ICPMS	87			ARD-MV1302	4/7/2014	Added 4/9/2014 by A_R
1411043-06RE2	B140595	200.8-Be-B-HNO3-ICPMS	87			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-06RE2	B140595	200.8-Ag-B-HNO3-ICPMS	87			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-07RE2	B140595	200.8-Ag-B-HNO3-ICPMS	88			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-07RE2	B140595	200.8-Be-B-HNO3-ICPMS	88			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R

ANALYSIS SEQUENCE

1400313

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1411043-07RE2	B140595	200.8-Co-B-HNO3-ICPMS	88			ARD-MV1302	4/7/2014	Added 4/9/2014 by A_R
1400313-CCVH	1400313	QC	89	1411041	-			
1400313-CCBH	1400313	QC	90		-			
1411043-08RE2	B140595	200.8-Co-B-HNO3-ICPMS	91			ARD-MV1302	4/7/2014	Added 4/9/2014 by A_R
1411043-08RE2	B140595	200.8-Ag-B-HNO3-ICPMS	91			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-08RE2	B140595	200.8-Be-B-HNO3-ICPMS	91			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-09RE2	B140595	200.8-Co-B-HNO3-ICPMS	92			ARD-MV1302	4/7/2014	Added 4/9/2014 by A_R
1411043-09RE2	B140595	200.8-Be-B-HNO3-ICPMS	92			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-09RE2	B140595	200.8-Ag-B-HNO3-ICPMS	92			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-10RE2	B140595	200.8-Ag-B-HNO3-ICPMS	93			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-10RE2	B140595	200.8-Co-B-HNO3-ICPMS	93			ARD-MV1302	4/7/2014	Added 4/9/2014 by A_R
1411043-10RE2	B140595	200.8-Be-B-HNO3-ICPMS	93			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-11RE2	B140595	200.8-Ag-B-HNO3-ICPMS	94			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-11RE2	B140595	200.8-Be-B-HNO3-ICPMS	94			ARD-MV1302	4/7/2014	Added 4/8/2014 by A_R
1411043-11RE2	B140595	200.8-Co-B-HNO3-ICPMS	94			ARD-MV1302	4/7/2014	Added 4/9/2014 by A_R
B140595-DUP4	B140595	QC	95		1411043-11RE2			
B140595-MS4	B140595	QC	96		1411043-11RE2			
B140595-MSD4	B140595	QC	97		1411043-11RE2			
1411043-16RE2	B140595	200.8-Co-B-HNO3-ICPMS	98			ARD-MV1302	4/7/2014	Added 4/9/2014 by A_R
1411043-16RE2	B140595	200.8-Be-B-HNO3-ICPMS	98			ARD-MV1302	4/7/2014	Added 4/9/2014 by A_R
1411043-16RE2	B140595	200.8-Ag-B-HNO3-ICPMS	98			ARD-MV1302	4/7/2014	Added 4/9/2014 by A_R
1411043-17RE2	B140595	200.8-Be-B-HNO3-ICPMS	99			ARD-MV1302	4/7/2014	Added 4/9/2014 by A_R
1411043-17RE2	B140595	200.8-Co-B-HNO3-ICPMS	99			ARD-MV1302	4/7/2014	Added 4/9/2014 by A_R
1400313-CCVI	1400313	QC	100	1411041	-			
1400313-CCBI	1400313	QC	101		-			

ICP-MS Analysis Benchsheet Batch No: B140565, 0516, 0554, 0614, 0595

BR-0060 standard mode

(BRL procedure for the analysis of samples by EPA Methods 1638, 200.8, 6020A, and 1640)

Analyst: AR Date: 4/10/2014

Instrument ID: ICP-MS-3 cHNO3 ID: 1410083 cHCl ID: NA

Calibration recorded in LIMS Int Std: 1412031 SEQ: 1400313

A/S #	Batch	Sample ID	Dilution		Comments
1		warm up			
1		warm up			
1		warm up			
1		SEQ-ICB1			
2020		SEQ-CAL1			1411038
2010		SEQ-CAL2			1411039
2002		SEQ-CAL3			1411040
2001		SEQ-CAL4			1411041
3020		SEQ-CAL5			1411042
3010		SEQ-CAL6			1411043
3002		SEQ-CAL7			1411044
3001		SEQ-CAL8			1411045
1		SEQ-ICB2			
4		SEQ-ICV1			1341021
1		SEQ-ICB3			
101		SEQ-IBL1			
102		SEQ-IBL2			
103		SEQ-IBL3			
104		SEQ-IBL4			
105		SEQ-SCV1	5x		NIST 1640a 1414027; 1414026
106		SEQ-SCV2	5x		Hardness 1333002; 1333005 → SCV2 did not get injected AR 4/14/14
107		SEQ-SCV3			Fe-Ca check 1352078; 1352079
108		SEQ-IFA1	200x		1343002
109		SEQ-IFB1	200x		1343001
401		B140477-SRM1test	10x	A	autodilution test
10		rinse			
402		B140477-SRM1test2	10x	A	autodilution test
10		rinse			
2		SEQ-CCV1			1411041
1		SEQ-CCB1			
110	B140565	B140565-BLK1	5x	M	
111	B140565	B140565-BLK2	5x	M	
112	B140565	B140565-BLK3	5x	M	
113	B140565	B140565-BLK4	5x	M	
114	B140565	B140565-BS1	5x	M	
115	B140565	B140565-SRM1	5x	M	
2		SEQ-CCV2			1411041
1		SEQ-CCB2			
116	B140565	B140565-BS2	5x	M	MDL
117	B140565	B140565-BS3	5x	M	MDL

118	B140565	B140565-BS4	5x	M	MDL
119	B140565	B140565-BS5	5x	M	MDL
120	B140565	B140565-BS6	5x	M	MDL
121	B140565	B140565-BS7	5x	M	MDL
122	B140565	B140565-BS8	5x	M	MDL
123	B140565	B140565-BS9	5x	M	MDL
2		SEQ-CCV3			1411041
1		SEQ-CCB3			
124	B140565	B140565-BSE	5x	M	LOD
125	B140565	B140565-BSF	5x	M	LOD
126	B140565	B140565-BSA	5x	M	LOQ
127	B140565	B140565-BSB	5x	M	LOQ
128	B140565	B140565-BSC	5x	M	LOQ
129	B140565	B140565-BSD	5x	M	LOQ
2		SEQ-CCV4			1411041
1		SEQ-CCB4			
130	B140516	B140516-BLK1	10x	M	
131	B140516	B140516-BLK2	10x	M	
132	B140516	B140516-BLK3	10x	M	
133	B140516	B140516-BLK4	10x	M	
134	B140516	B140516-SRM1	10x	M	
135	B140516	B140516-SRM2	10x	M	
2		SEQ-CCV5			1411041
1		SEQ-CCB5			
136	B140516	B140516-BS1	10x	M	MDL
137	B140516	B140516-BS2	10x	M	MDL
138	B140516	B140516-BS3	10x	M	MDL
139	B140516	B140516-BS4	10x	M	MDL
140	B140516	B140516-BS5	10x	M	MDL
141	B140516	B140516-BS6	10x	M	MDL
142	B140516	B140516-BS7	10x	M	MDL
143	B140516	B140516-BS8	10x	M	MDL
2		SEQ-CCV6			1411041
1		SEQ-CCB6			
144	B140516	B140516-BSD	10x	M	LOD
145	B140516	B140516-BSE	10x	M	LOD
146	B140516	B140516-BSF	10x	M	LOD
147	B140516	B140516-BS9	10x	M	LOQ
148	B140516	B140516-BSA	10x	M	LOQ
149	B140516	B140516-BSB	10x	M	LOQ
150	B140516	B140516-BSC	10x	M	LOQ
2		SEQ-CCV7			1411041
1		SEQ-CCB7			
151	B140554	B140554-BLK1	50x	M	
152	B140554	B140554-BLK2	50x	M	
153	B140554	B140554-BLK3	50x	M	
154	B140554	B140554-BLK4	50x	M	
155	B140554	B140554-SRM1	50x	M	
156	B140554	B140554-SRM2	50x	M	
5		SEQ-CCV8			1411041
10		SEQ-CCB8			
157	B140554	B140554-BS1	50x	M	MDL

158	B140554	B140554-BS2	50x	M	MDL
159	B140554	B140554-BS3	50x	M	MDL
160	B140554	B140554-BS4	50x	M	MDL
201	B140554	B140554-BS5	50x	M	MDL
202	B140554	B140554-BS6	50x	M	MDL
203	B140554	B140554-BS7	50x	M	MDL
204	B140554	B140554-BS8	50x	M	MDL
5		SEQ-CCV9			1411041
10		SEQ-CCB9			
205	B140554	B140554-BSD	50x	M	LOD
206	B140554	B140554-BSE	50x	M	LOD
207	B140554	B140554-BSF	50x	M	LOD
208	B140554	B140554-BS9	50x	M	LOQ
209	B140554	B140554-BSA	50x	M	LOQ
210	B140554	B140554-BSB	50x	M	LOQ
211	B140554	B140554-BSC	50x	M	LOQ
5		SEQ-CCVA			1411041
10		SEQ-CCBA			
212	B140618	B140618-BLK1	50x	M	
213	B140618	B140618-BLK2	50x	M	
214	B140618	B140618-BLK3	50x	M	
215	B140618	B140618-BLK4	50x	M	
216	B140618	B140618-SRM1	50x	M	
217	B140618	B140618-SRM2	50x	M	
5		SEQ-CCVB			1411041
10		SEQ-CCBB			
218	B140618	B140618-BS1	50x	M	MDL
219	B140618	B140618-BS2	50x	M	MDL
220	B140618	B140618-BS3	50x	M	MDL
221	B140618	B140618-BS4	50x	M	MDL
222	B140618	B140618-BS5	50x	M	MDL
223	B140618	B140618-BS6	50x	M	MDL
224	B140618	B140618-BS7	50x	M	MDL
225	B140618	B140618-BS8	50x	M	MDL
5		SEQ-CCVC			1411041
10		SEQ-CCBC			
226	B140618	B140618-BSD	50x	M	LOD
227	B140618	B140618-BSE	50x	M	LOD
228	B140618	B140618-BS9	50x	M	LOQ
229	B140618	B140618-BSA	50x	M	LOQ
230	B140618	B140618-BSB	50x	M	LOQ
231	B140618	B140618-BSC	50x	M	LOQ
5		SEQ-CCVD			1411041
10		SEQ-CCBD			
232	B140614	B140614-BLK1	5x	M	
233	B140614	B140614-BLK2	5x	M	
234	B140614	B140614-BLK3	5x	M	
235	B140614	B140614-BLK4	5x	M	
236	B140614	B140614-BS1	5x	M	
237	B140614	B140614-SRM1	5x	M	
238	B140614	1331056-15RE1	5x	M	
239	B140614	B140614-MS4	5x	M	

5		SEQ-CCVE			1411041
10		SEQ-CCBE			
240	B140614	1412027-01RE1	5x	M	1-22, 30-31
241	B140614	B140614-DUP1	5x	M	
242	B140614	B140614-MS1	5x	M	
243	B140614	1412027-02RE1	5x	M	
244	B140614	1412027-03RE1	5x	M	
245	B140614	1412027-04RE1	5x	M	
246	B140614	1412027-05RE1	5x	M	
247	B140614	1412027-06RE1	5x	M	
6		SEQ-CCVF			1411041
9		SEQ-CCBF			
248	B140614	1412032-01RE1	5x	M	
249	B140614	1412032-02RE1	5x	M	
250	B140614	1412024-01RE1	5x	M	
251	B140614	B140614-DUP2	5x	M	
252	B140614	B140614-MS2	5x	M	
253	B140614	1412024-02RE1	5x	M	
254	B140614	1414010-01RE1	50x	M	
255	B140614	1403036-01RE3	25x	M	
256	B140614	1414010-01RE2	5x	M	
257	B140614	1403036-01RE4	5x	M	
6		SEQ-CCVG			1411041
9		SEQ-CCBG			
258	B140595	1411043-01RE2	10x	M	
259	B140595	B140595-DUP3	10x	M	
260	B140595	B140595-MS3	10x	M	
301	B140595	B140595-MSD3	10x	M	
302	B140595	1411043-02RE2	10x	M	
303	B140595	1411043-03RE2	10x	M	
304	B140595	1411043-04RE2	10x	M	
305	B140595	1411043-05RE2	10x	M	
306	B140595	1411043-06RE2	10x	M	
307	B140595	1411043-07RE2	10x	M	
6		SEQ-CCVH			1411041
9		SEQ-CCBH			
308	B140595	1411043-08RE2	10x	M	
309	B140595	1411043-09RE2	10x	M	
310	B140595	1411043-10RE2	10x	M	
311	B140595	1411043-11RE2	10x	M	
312	B140595	B140595-DUP4	10x	M	
313	B140595	B140595-MS4	10x	M	
314	B140595	B140595-MSD4	10x	M	
315	B140595	1411043-16RE2	10x	M	
316	B140595	1411043-17RE2	10x	M	
6		SEQ-CCVI			1411041
9		SEQ-CCBI			
9		rinse			
9		rinse			
9		rinse			
9		rinse			
10		rinse			

Trace Metals Method BR-0070 Rev 003 (ICP-MS)
Biota Preparation by HotBlock Digestion
Digestion by: HNO_3 / H_2O_2

Batch #: B140477, 0478, 0479, 0595 Prepared By: CLE

Page 1 of 2

Preparation Date and Time*: 3/24/14 1630

Matrix: biota Balance ID: BL-03 Date and Time of Finished Preparation: 1040 3/25/14

* Time is when the first reagents are added.

Sample ID	Sample Mass (g)	Notes
BLK1	---	
BLK2	---	
BLK3	---	
BLK4	---	
BS1	---	
SRM1	0.252	
SRM2	0.252	
1411043-01	0.561	
DUP1	0.496	Source: 1411043-01
MS1	0.505	
MSD1	0.504	
1411043-02	0.517	
-03	0.554	
-04	0.571	
-05	0.514	
-06	0.529	
-07	0.556	
-08	0.531	
-09	0.542	
-10	0.521	
-11	0.530	
DUP2	0.515	Source: 1411043-11
MS2	0.497	
MSD2	0.522	

Sample ID	Sample Mass (g)	Notes
1411043-12	0.511	
-13	0.511	
-14	0.515	
-15	0.526	
-16	0.564	
-17	0.592	
-18	0.518	
-19	0.510	
1411044-01	0.501	
B140479 DUP3	0.510	Source 1411044-02
MS3	0.530	
MSD3	0.529	
1411044-02	0.542	
-03	0.540	
-04	0.539	
-05	0.545	
-06	0.505	
-07	0.592	
-08	0.524	
-09	0.548	
-10	0.510	
-11	0.521	
B140479 DUP4	0.532	Source: 1411044-12
MS4	0.494	

Note: QC sets follow source sample on benchsheet unless otherwise noted.
If no batch is specified, QC is shared between all batches being prepped.

Sample ID	Spike ID	Spike Added (mL)	Analyte/Concentration	Spike Witness Initials/Date
BS1, MS/D 1-4	1413003	0.1	B140477-9 spike mix	
BS1, MS/D 1-2	B470410	0.05	Ag 10 ppm	
	1410043	0.1	Sb 1 ppm	3/24/14
	1310029	0.025	Al 10,000 ppm	
	1345003	0.050	Fe 10,000 ppm	

fake spike ID: 1413004

Target Hotblock Temperature = 100 °C

Reagents Added (ID/Amount Added)
0.1mL H2O2 (1350057)
10mL HNO3 (1406035)

HotBlock Temperature*, Time On / Time Off, Date
N/C: 100°C 1705 / M: 103°C C: 101.5°C 1705 3/24/14
timer set for 3.5 hrs
Hotblock Therm. ID: HB-02 / HB-01 Therm Hotblock ID: TM-05 / TM-01
* Both measured and corrected temperatures must be recorded.

Environ. Express tube lot #: 1309271

Final Dilution Volume 40 mL

SRM-Matrix-LIMS ID #
SRM1 - DOFM-4 - 1329003
SRM2 - TORT-3 - 1327017

Comments:
A: changes by CLE 3/24/14 o: digested on HB-01 (all other samples digested on HB-02) A: Final vol = 45 mL

Trace Metals Method BR-0070 Rev 003 (ICP-MS)
Biota Preparation by HotBlock Digestion

Digestion by: HNO_3 / H_2O_2

Batch #: B140477, 0478, 0479

Sample ID	Sample Mass (g)	Notes
B140479 MSD4	0.522	source: 1411044-12
1411044-12	0.545	
-13	0.537	
-14	0.523	
-15	0.537	
-16	0.530	
-17	0.506	
-18	0.589	

CLE 3/24/14

Sample ID	Sample Mass (g)	Notes

CLE 3/24/14

B140477, 0478, 0479
biota

Samples spiked: BS1, MS /D 1-4

Spike mix ID: 1413003

Element	Target Conc. (mg/kg)	spike conc w/ **0.1mL spike vol** and **0.5g*** **sample**	mL from stock into **10mL tube**	ppm	LIMS ID
As DRC	10.000	50.000	0.500	1000	1310030
Ba	1.600	8.000	0.800	**100**	1411082
Be	0.900	4.500	0.450	**100**	1411084
Cd	0.200	1.000	0.100	**100**	1411087
Co	1.600	8.000	0.800	**100**	1351036
Cr DRC	3.000	15.000	0.150	1000	1351015
Cu	10.000	50.000	0.500	1000	1351017
Mn	13.000	65.000	0.650	1000	1351019
Pb	1.500	7.500	0.075	1000	1351022
Se DRC	1.500	7.500	0.075	1000	1310040
Tl	1.000	5.000	0.050	1000	1310041
V DRC	4.000	20.000	0.200	**1000**	1310043
Zn	10.000	50.000	0.050	**10000**	1337001

Samples spiked: BS1, MS /D1-2 Add 5.6mL 2% HNO3

Fake spike ID: 1413004

Element	Target Conc. (mg/kg)	vol to spike **directly** to **0.5g*** **sample**	ppm	LIMS ID
Ag	1.000	0.050	**10**	1347040
Sb	0.200	0.100	**1**	1410043
Al	500.000	0.025	**10000**	1310029
Fe DRC	1000.000	0.050	**10000**	1345003

*listed spike volume(s) used regardless of sample mass.

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\NexIONData\Wizard\SmartTune\BRprepFAST2-SmartTune Monthly.swz

Start Time: 3/17/2014 11:38:43 AM
End Time: 3/17/2014 11:41:55 AM

Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (9.0122/9.075), Target/Obtained resolution (0.7/0.704)
Target/Obtained mass (23.985/23.925), Target/Obtained resolution (0.7/0.700)
Target/Obtained mass (75.93/75.925), Target/Obtained resolution (0.7/0.694)
Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.704)
Target/Obtained mass (139.905/139.975), Target/Obtained resolution (0.7/0.703)
Target/Obtained mass (207.977/207.925), Target/Obtained resolution (0.7/0.692)

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SmartTune Wizard - Details

```
Optimization Details

SmartTune file: C:\NexIONData\Wizard\SmartTune\BRprepFAST2-SmartTune Monthly.swz

Optimization Status

Start Time: 3/17/2014 11:38:43 AM

Mass Calibration and Resolution
        Optimization Settings:
                Method: C:\NexIONData\Method\BRL Tuning.mth.
                MassCal File: Default.tun
                Iterations: 6
                Target accuracy (+/- amu): 0.1 for Mass Cal. and 0.05 for Resolution
                Peak height (%) for Res. Opt.: 10

        Optimization Results:
        Initial Try
                Target/Obtained mass (9.0122/9.075), Target/Obtained resolution (0.7/0.704)
                Target/Obtained mass (23.985/23.925), Target/Obtained resolution (0.7/0.700)
                Target/Obtained mass (75.93/75.925), Target/Obtained resolution (0.7/0.694)
                Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.704)
                Target/Obtained mass (139.905/139.975), Target/Obtained resolution (0.7/0.703)
                Target/Obtained mass (207.977/207.925), Target/Obtained resolution (0.7/0.692)
[Passed]  Optimum value(s): N/A

End Time: 3/17/2014 11:41:55 AM
```


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Sample Information

Report Title: QUANTITATIVE ANALYSIS REPORT
Batch ID:
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085
Tuning File: C:\NexIONData\MassCal\Default.tun
Optimization File: C:\NexIONData\Conditions\Default.dac
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Calibration Type: External Calibration

Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
Be	9	Weighted Linear	0.002	0.000	0.998879	0.150000
B	11	Weighted Linear	0.002	0.000	0.996404	2.000000
Na	23	Weighted Linear	0.017	0.093	0.998255	15.000000
Mg	24	Weighted Linear	0.011	0.049	0.998667	15.000000
Al	27	Weighted Linear	0.017	0.005	0.996884	1.500000
Ca	44	Weighted Linear	0.001	0.002	0.996896	30.000000
Sc	45	Weighted Linear				
Ti	47	Weighted Linear	0.002	0.000	0.999644	0.200000
Ti	48	Weighted Linear	0.015	0.000	0.995761	0.200000
V	51	Weighted Linear	0.017	-0.000	0.999790	0.150000
Cr	52	Weighted Linear	0.014	-0.000	0.997823	0.150000
Cr	53	Weighted Linear	0.002	0.000	0.999185	0.150000
Mn	55	Weighted Linear	0.018	0.000	0.996560	0.060000
Fe	54	Weighted Linear	0.001	0.002	0.988624	5.000000
Fe	57	Weighted Linear	0.000	-0.000	0.997364	5.000000
Co	59	Weighted Linear	0.015	0.000	0.998716	0.100000
Ni	60	Weighted Linear	0.003	0.000	0.998698	0.200000
Ni	62	Weighted Linear	0.000	-0.000	0.998954	0.200000
Cu	65	Weighted Linear	0.004	0.000	0.999264	0.120000
Cu	63	Weighted Linear	0.009	0.000	0.998785	0.120000
Zn	66	Weighted Linear	0.002	0.000	0.999793	0.200000
Zn	68	Weighted Linear	0.001	-0.000	0.999732	0.200000
Ge	74	Weighted Linear				
As	75	Weighted Linear	0.002	-0.000	0.999442	0.270000
Se	77	Weighted Linear	0.000	0.000	0.999729	0.500000
Se	82	Weighted Linear	0.000	-0.000	0.998943	0.500000
Sr	88	Weighted Linear	0.025	0.000	0.998827	0.050000
Mo	95	Weighted Linear	0.004	-0.000	0.999772	0.030000
Mo	97	Weighted Linear	0.002	-0.000	0.999508	0.030000
Mo	98	Weighted Linear	0.006	0.000	0.999165	0.030000
Ag	107	Weighted Linear	0.012	0.000	0.997603	0.020000
Ag	109	Weighted Linear	0.016	0.000	0.997116	0.020000
Cd	111	Weighted Linear	0.004	-0.000	0.999784	0.020000
Cd	114	Weighted Linear	0.009	-0.000	0.999478	0.020000
In	115	Weighted Linear				
Sn	120	Weighted Linear	0.016	0.000	0.999677	0.150000
Sb	121	Weighted Linear	0.011	-0.000	0.999756	0.020000
Ba	138	Weighted Linear	0.038	0.000	0.999806	0.050000
Tm	169	Weighted Linear				

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Tl	205	Weighted Linear	0.031	0.000	0.999159	0.010000
Pb	208	Weighted Linear	0.039	0.000	0.998914	0.025000
C	13	Weighted Linear				
202	202	Linear Thru Zero				

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB1
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 18:25:41
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9		2	2	91.7			ug/L
ê	B	11		529	27	5.1			ug/L
ê	Na	23		10310	216	2.1			ug/L
ê	Mg	24		858	68	8.0			ug/L
ê	Al	27		1948	207	10.6			ug/L
ê	Ca	44		4349	33	0.8			ug/L
ê>	Sc	45		1032693	26493	2.6			ug/L
ê	Ti	47		37	10	27.0			ug/L
ê	Ti	48		-161	2	1.1			ug/L
ê	V	51		71	1	0.8			ug/L
ê	Cr	52		13002	404	3.1			ug/L
ê	Cr	53		54	16	29.2			ug/L
ê	Mn	55		755	40	5.3			ug/L
ê	Fe	54		128300	1130	0.9			ug/L
ê	Fe	57		10493	179	1.7			ug/L
ê	Co	59		44	7	15.8			ug/L
ê	Ni	60		41	2	4.9			ug/L
ë	Ni	62		107	4	3.5			ug/L
é	Cu	65		19	3	13.0			ug/L
ê	Cu	63		45	4	7.9			ug/L
ê	Zn	66		51	11	21.9			ug/L
ê	Zn	68		308	11	3.7			ug/L
ê>	Ge	74		819922	7166	0.9			ug/L
ë	As	75		-79	43	55.0			ug/L
é	Se	77		80	11	14.2			ug/L
ê	Se	82		6	7	121.7			ug/L
ê	Sr	88		123	5	4.2			ug/L
ê	Mo	95		13	4	26.3			ug/L
ê	Mo	97		8	2	18.3			ug/L
ê	Mo	98		20	4	21.5			ug/L
ê	Ag	107		6	2	24.1			ug/L
ê	Ag	109		6	2	28.9			ug/L
ê	Cd	111		2	1	69.3			ug/L
ê	Cd	114		27	5	17.2			ug/L
ê>	In	115		923806	2848	0.3			ug/L
ê	Sn	120		134	15	10.9			ug/L

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ê	Sb	121	22	1	5.2	ug/L
ë	Ba	138	58	6	10.5	ug/L
é>	Tm	169	787482	156	0.0	ug/L
ê	Tl	205	5	2	40.0	ug/L
ë	Pb	208	36	13	35.1	ug/L
	C	13	39252	183	0.5	ug/L
	202	202	3	2	45.8	mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL1

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 18:29:55
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2020

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CAL1.086
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	276	18	6.5	0.000258	**0.1462**	ug/L
ê	B	11	529	5489	66	1.2	0.004651	**1.9789**	ug/L
ê	Na	23	10310	368145	2893	0.8	0.336258	**14.1451**	ug/L
ê	Mg	24	858	225948	1465	0.6	0.211669	**14.3914**	ug/L
ê	Al	27	1948	33109	542	1.6	0.029253	**1.4399**	ug/L
ê	Ca	44	4349	24479	500	2.0	0.018815	**29.1444**	ug/L
ê>	Sc	45	1032693	1063376	13796	1.3	1063375.733569		ug/L
ê	Ti	47	37	378	14	3.6	0.000320	**0.2033**	ug/L
ê	Ti	48	-161	2981	75	2.5	0.002959	**0.1977**	ug/L
ê	V	51	71	2771	55	2.0	0.002538	**0.1499**	ug/L
ê	Cr	52	13002	15476	112	0.7	0.001965	**0.1484**	ug/L
ê	Cr	53	54	329	11	3.5	0.000257	**0.1494**	ug/L
ê	Mn	55	755	2020	53	2.6	0.001169	**0.0589**	ug/L
ê	Fe	54	128300	139148	3315	2.4	0.006644	**5.6728**	ug/L
ê	Fe	57	10493	12598	310	2.5	0.001690	**4.8030**	ug/L
ê	Co	59	44	1696	80	4.7	0.001553	**0.0976**	ug/L
ê	Ni	60	41	787	23	2.9	0.000701	**0.1956**	ug/L
ë	Ni	62	107	201	22	11.1	0.000086	**0.1957**	ug/L
é	Cu	65	19	458	16	3.4	0.000526	**0.1181**	ug/L
ê	Cu	63	45	973	37	3.8	0.001114	**0.1176**	ug/L
ê	Zn	66	51	368	33	8.9	0.000379	**0.1998**	ug/L
ê	Zn	68	308	513	39	7.6	0.000241	**0.2027**	ug/L
ê>	Ge	74	819922	832170	1258	0.2	832169.796573		ug/L
ë	As	75	-79	362	17	4.6	0.000531	**0.2617**	ug/L
é	Se	77	80	143	14	10.1	0.000066	**0.4973**	ug/L
ê	Se	82	6	84	15	17.6	0.000083	**0.4830**	ug/L
ê	Sr	88	123	1327	50	3.8	0.001284	**0.0492**	ug/L
ê	Mo	95	13	112	9	7.6	0.000105	**0.0299**	ug/L
ê	Mo	97	8	72	11	15.7	0.000067	**0.0294**	ug/L
ê	Mo	98	20	206	19	9.3	0.000199	**0.0310**	ug/L
ê	Ag	107	6	263	4	1.4	0.000274	**0.0199**	ug/L
ê	Ag	109	6	318	17	5.4	0.000333	**0.0195**	ug/L
ê	Cd	111	2	68	8	11.1	0.000071	**0.0200**	ug/L
ê	Cd	114	27	173	10	6.0	0.000155	**0.0194**	ug/L
ê>	In	115	923806	936147	16724	1.8	936147.136491		ug/L
ê	Sn	120	134	2459	74	3.0	0.002483	**0.1496**	ug/L

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ê	Sb	121	22	229	15	6.5	0.000221	**0.0202**	ug/L
ë	Ba	138	58	1846	65	3.5	0.001910	**0.0498**	ug/L
é>	Tm	169	787482	786308	7876	1.0	786307.876883		ug/L
ê	Tl	205	5	253	15	6.0	0.000316	**0.0099**	ug/L
ë	Pb	208	36	839	34	4.1	0.001021	**0.0249**	ug/L
	C	13	39252	39004	606	1.6	-248.337690		ug/L
	202	202	3	4	2	35.3	1.000000		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL2

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 18:34:09
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2010

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CAL2.087
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	566	46	8.1	0.000538	**0.3111**	ug/L
ê	B	11	529	10246	86	0.8	0.009256	**4.0332**	ug/L
ê	Na	23	10310	714273	18935	2.7	0.670933	**33.5845**	ug/L
ê	Mg	24	858	439528	15221	3.5	0.418029	**32.6180**	ug/L
ê	Al	27	1948	63374	100	0.2	0.058533	**3.1552**	ug/L
ê	Ca	44	4349	44291	1862	4.2	0.037999	**62.3864**	ug/L
ê>	Sc	45	1032693	1049166	21750	2.1	1049165.848114		ug/L
ê	Ti	47	37	670	5	0.8	0.000603	**0.3886**	ug/L
ê	Ti	48	-161	6141	424	6.9	0.006012	**0.4072**	ug/L
ê	V	51	71	5442	166	3.0	0.005119	**0.3007**	ug/L
ê	Cr	52	13002	17486	456	2.6	0.004083	**0.3031**	ug/L
ê	Cr	53	54	584	11	1.8	0.000505	**0.3030**	ug/L
ê	Mn	55	755	3169	10	0.3	0.002290	**0.1227**	ug/L
ê	Fe	54	128300	138680	3534	2.5	0.008017	**7.2458**	ug/L
ê	Fe	57	10493	14658	394	2.7	0.003817	**10.7069**	ug/L
ê	Co	59	44	3432	77	2.3	0.003228	**0.2075**	ug/L
ê	Ni	60	41	1526	25	1.7	0.001416	**0.4136**	ug/L
ë	Ni	62	107	311	14	4.6	0.000193	**0.4126**	ug/L
é	Cu	65	19	911	5	0.6	0.001073	**0.2475**	ug/L
ê	Cu	63	45	1963	48	2.4	0.002309	**0.2482**	ug/L
ê	Zn	66	51	674	32	4.7	0.000750	**0.4006**	ug/L
ê	Zn	68	308	712	4	0.5	0.000482	**0.3896**	ug/L
ê>	Ge	74	819922	830693	11666	1.4	830693.005549		ug/L
ë	As	75	-79	920	63	6.8	0.001205	**0.5735**	ug/L
é	Se	77	80	203	8	3.8	0.000132	**1.0172**	ug/L
ê	Se	82	6	187	15	8.2	0.000195	**1.0793**	ug/L
ê	Sr	88	123	2539	57	2.2	0.002604	**0.1031**	ug/L
ê	Mo	95	13	222	27	12.2	0.000225	**0.0606**	ug/L
ê	Mo	97	8	143	10	6.8	0.000145	**0.0628**	ug/L
ê	Mo	98	20	345	31	9.0	0.000351	**0.0562**	ug/L
ê	Ag	107	6	489	32	6.5	0.000520	**0.0400**	ug/L
ê	Ag	109	6	633	37	5.8	0.000676	**0.0416**	ug/L
ê	Cd	111	2	137	16	11.4	0.000146	**0.0400**	ug/L
ê	Cd	114	27	358	14	3.9	0.000356	**0.0424**	ug/L
ê>	In	115	923806	927571	2316	0.2	927571.493590		ug/L
ê	Sn	120	134	4726	210	4.4	0.004950	**0.3007**	ug/L

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ê	Sb	121	22	425	40	9.3	0.000434	**0.0392**	ug/L
ë	Ba	138	58	3617	114	3.2	0.003836	**0.1012**	ug/L
é>	Tm	169	787482	779766	7913	1.0	779765.507553		ug/L
ê	Tl	205	5	504	31	6.2	0.000640	**0.0204**	ug/L
ë	Pb	208	36	1613	96	6.0	0.002023	**0.0502**	ug/L
	C	13	39252	38887	365	0.9	-365.328090		ug/L
	202	202	3	4	2	41.7	0.333333		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL3

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 18:38:24
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2002

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CAL3.088
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	2555	41	1.6	0.002503	**1.4644**	ug/L
ê	B	11	529	47213	329	0.7	0.045771	**20.3229**	ug/L
ê	Na	23	10310	2673784	99697	3.7	2.610534	**146.2451**	ug/L
ê	Mg	24	858	1747886	15939	0.9	1.712577	**146.9577**	ug/L
ê	Al	27	1948	292012	3975	1.4	0.284357	**16.3839**	ug/L
ê	Ca	44	4349	191552	4973	2.6	0.183572	**314.6414**	ug/L
ê>	Sc	45	1032693	1020162	12094	1.2	1020162.226577		ug/L
ê	Ti	47	37	3085	68	2.2	0.002987	**1.9505**	ug/L
ê	Ti	48	-161	29779	209	0.7	0.029348	**2.0078**	ug/L
ê	V	51	71	26006	197	0.8	0.025426	**1.4867**	ug/L
ê	Cr	52	13002	34501	453	1.3	0.021232	**1.5556**	ug/L
ê	Cr	53	54	2510	80	3.2	0.002409	**1.4830**	ug/L
ê	Mn	55	755	12173	61	0.5	0.011203	**0.6299**	ug/L
ê	Fe	54	128300	173593	2143	1.2	0.045935	**50.6869**	ug/L
ê	Fe	57	10493	29385	691	2.4	0.018641	**51.8408**	ug/L
ê	Co	59	44	16033	514	3.2	0.015671	**1.0233**	ug/L
ê	Ni	60	41	6968	165	2.4	0.006791	**2.0531**	ug/L
ë	Ni	62	107	1150	13	1.1	0.001024	**2.0965**	ug/L
é	Cu	65	19	4133	30	0.7	0.005070	**1.1935**	ug/L
ê	Cu	63	45	9183	118	1.3	0.011262	**1.2269**	ug/L
ê	Zn	66	51	3043	74	2.4	0.003687	**1.9926**	ug/L
ê	Zn	68	308	2368	71	3.0	0.002542	**1.9885**	ug/L
ê>	Ge	74	819922	811501	15819	1.9	811500.815810		ug/L
ë	As	75	-79	4579	128	2.8	0.005738	**2.6724**	ug/L
é	Se	77	80	642	25	3.9	0.000620	**4.8428**	ug/L
ê	Se	82	6	797	20	2.5	0.000872	**4.6801**	ug/L
ê	Sr	88	123	11268	366	3.2	0.012263	**0.4971**	ug/L
ê	Mo	95	13	1054	15	1.4	0.001145	**0.2959**	ug/L
ê	Mo	97	8	619	41	6.5	0.000672	**0.2879**	ug/L
ê	Mo	98	20	1608	105	6.5	0.001748	**0.2878**	ug/L
ê	Ag	107	6	2312	54	2.3	0.002536	**0.2044**	ug/L
ê	Ag	109	6	2830	115	4.1	0.003107	**0.1984**	ug/L
ê	Cd	111	2	676	36	5.3	0.000741	**0.1992**	ug/L
ê	Cd	114	27	1579	57	3.6	0.001707	**0.1967**	ug/L
ê>	In	115	923806	908912	16493	1.8	908911.524651		ug/L
ê	Sn	120	134	22201	684	3.1	0.024280	**1.4849**	ug/L

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ê	Sb	121	22	2043	96	4.7	0.002223	**0.1984**	ug/L
ë	Ba	138	58	16737	133	0.8	0.018355	**0.4883**	ug/L
é>	Tm	169	787482	758133	13343	1.8	758133.327808		ug/L
ê	Tl	205	5	2359	124	5.3	0.003104	**0.1008**	ug/L
ë	Pb	208	36	7616	222	2.9	0.010000	**0.2522**	ug/L
	C	13	39252	38182	787	2.1	-1070.548544		ug/L
	202	202	3	3	0	0.0	-0.333333		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL4

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 18:42:39
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2001

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CAL4.089
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	5309	121	2.3	0.005197	**3.0461**	ug/L
ê	B	11	529	94730	787	0.8	0.092234	**41.0504**	ug/L
ê	Na	23	10310	5341582	40425	0.8	5.220066	**297.8183**	ug/L
ê	Mg	24	858	3424017	64519	1.9	3.351666	**291.7286**	ug/L
ê	Al	27	1948	583711	13826	2.4	0.569683	**33.0983**	ug/L
ê	Ca	44	4349	379098	5446	1.4	0.366963	**632.4303**	ug/L
ê>	Sc	45	1032693	1021483	12355	1.2	1021482.906656		ug/L
ê	Ti	47	37	6183	162	2.6	0.006018	**3.9350**	ug/L
ê	Ti	48	-161	59145	1147	1.9	0.058054	**3.9768**	ug/L
ê	V	51	71	51939	2020	3.9	0.050773	**2.9670**	ug/L
ê	Cr	52	13002	55582	691	1.2	0.041826	**3.0597**	ug/L
ê	Cr	53	54	5007	56	1.1	0.004850	**2.9961**	ug/L
ê	Mn	55	755	23441	126	0.5	0.022217	**1.2567**	ug/L
ê	Fe	54	128300	217741	1937	0.9	0.088930	**99.9441**	ug/L
ê	Fe	57	10493	46954	620	1.3	0.035815	**99.4958**	ug/L
ê	Co	59	44	32372	721	2.2	0.031657	**2.0713**	ug/L
ê	Ni	60	41	13989	168	1.2	0.013656	**4.1468**	ug/L
ë	Ni	62	107	2143	40	1.9	0.001995	**4.0634**	ug/L
é	Cu	65	19	8201	126	1.5	0.010161	**2.3982**	ug/L
ê	Cu	63	45	17671	86	0.5	0.021887	**2.3883**	ug/L
ê	Zn	66	51	6068	8	0.1	0.007472	**4.0443**	ug/L
ê	Zn	68	308	4422	98	2.2	0.005115	**3.9861**	ug/L
ê>	Ge	74	819922	805361	5946	0.7	805360.960891		ug/L
ë	As	75	-79	9555	84	0.9	0.011961	**5.5533**	ug/L
é	Se	77	80	1188	39	3.3	0.001242	**9.7293**	ug/L
ê	Se	82	6	1709	24	1.4	0.001905	**10.1793**	ug/L
ê	Sr	88	123	22285	278	1.2	0.024792	**1.0082**	ug/L
ê	Mo	95	13	2132	48	2.3	0.002371	**0.6093**	ug/L
ê	Mo	97	8	1240	31	2.5	0.001378	**0.5901**	ug/L
ê	Mo	98	20	3278	30	0.9	0.003645	**0.6025**	ug/L
ê	Ag	107	6	4582	34	0.7	0.005119	**0.4149**	ug/L
ê	Ag	109	6	5901	47	0.8	0.006594	**0.4233**	ug/L
ê	Cd	111	2	1313	17	1.3	0.001467	**0.3930**	ug/L
ê	Cd	114	27	3114	68	2.2	0.003452	**0.3961**	ug/L
ê>	In	115	923806	894080	8576	1.0	894079.516999		ug/L
ê	Sn	120	134	43838	277	0.6	0.048891	**2.9927**	ug/L

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ê	Sb	121	22	4027	34	0.8	0.004480	**0.3993**	ug/L
ë	Ba	138	58	33762	215	0.6	0.037703	**1.0042**	ug/L
é>	Tm	169	787482	756169	7419	1.0	756168.888352		ug/L
ê	Tl	205	5	4786	115	2.4	0.006322	**0.2058**	ug/L
ë	Pb	208	36	15430	337	2.2	0.020360	**0.5145**	ug/L
	C	13	39252	38158	248	0.7	-1093.957260		ug/L
	202	202	3	4	1	25.0	0.666667		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL5

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 18:46:53
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3020

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CAL5.090
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	1863	39	2.1	0.001784	**1.0426**	ug/L
ê	B	11	529	124267	2476	2.0	0.118664	**52.8410**	ug/L
ê	Na	23	10310	18089263	86896	0.5	17.338721	**1001.7235**	ug/L
ê	Mg	24	858	24397375	355585	1.5	23.398740	**2062.3665**	ug/L
ê	Al	27	1948	8552228	204872	2.4	8.199489	**480.0524**	ug/L
ê	Ca	44	4349	1336254	30906	2.3	1.277280	**2209.8671**	ug/L
ê>	Sc	45	1032693	1042887	15905	1.5	1042887.247992		ug/L
ê	Ti	47	37	16404	705	4.3	0.015694	**10.2723**	ug/L
ê	Ti	48	-161	159421	4827	3.0	0.153042	**10.4921**	ug/L
ê	V	51	71	91466	1031	1.1	0.087657	**5.1211**	ug/L
ê	Cr	52	13002	394158	11167	2.8	0.365406	**26.6923**	ug/L
ê	Cr	53	54	44355	712	1.6	0.042490	**26.3280**	ug/L
ê	Mn	55	755	486394	8045	1.7	0.465756	**26.4977**	ug/L
ê	Fe	54	128300	645027	17650	2.7	0.494521	**564.6154**	ug/L
ê	Fe	57	10493	207035	2721	1.3	0.188385	**522.8594**	ug/L
ê	Co	59	44	82452	740	0.9	0.079032	**5.1773**	ug/L
ê	Ni	60	41	35071	886	2.5	0.033591	**10.2268**	ug/L
ë	Ni	62	107	5237	110	2.1	0.004919	**9.9855**	ug/L
é	Cu	65	19	35688	542	1.5	0.043978	**10.4015**	ug/L
ê	Cu	63	45	77249	655	0.8	0.095183	**10.4002**	ug/L
ê	Zn	66	51	75460	277	0.4	0.092971	**50.3895**	ug/L
ê	Zn	68	308	53916	380	0.7	0.066100	**51.3221**	ug/L
ê>	Ge	74	819922	811122	5981	0.7	811121.560471		ug/L
ë	As	75	-79	17145	357	2.1	0.021236	**9.8476**	ug/L
é	Se	77	80	1268	5	0.4	0.001308	**10.2499**	ug/L
ê	Se	82	6	1697	64	3.7	0.001861	**9.9442**	ug/L
ê	Sr	88	123	237408	6129	2.6	0.260970	**10.6434**	ug/L
ê	Mo	95	13	18360	554	3.0	0.020175	**5.1627**	ug/L
ê	Mo	97	8	10913	134	1.2	0.011994	**5.1303**	ug/L
ê	Mo	98	20	28659	847	3.0	0.031502	**5.2223**	ug/L
ê	Ag	107	6	24334	566	2.3	0.026758	**2.1793**	ug/L
ê	Ag	109	6	30242	575	1.9	0.033255	**2.1430**	ug/L
ê	Cd	111	2	3523	28	0.8	0.003873	**1.0360**	ug/L
ê	Cd	114	27	8129	81	1.0	0.008911	**1.0195**	ug/L
ê>	In	115	923806	909399	12274	1.3	909399.232794		ug/L
ê	Sn	120	134	38843	884	2.3	0.042571	**2.6055**	ug/L

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ê	Sb	121	22	10560	161	1.5	0.011588	**1.0320**	ug/L
ë	Ba	138	58	867966	26906	3.1	0.954336	**25.4446**	ug/L
é>	Tm	169	787482	763795	12309	1.6	763795.387864		ug/L
ê	Tl	205	5	12236	231	1.9	0.016013	**0.5219**	ug/L
ë	Pb	208	36	79260	354	0.4	0.103738	**2.6256**	ug/L
	C	13	39252	38686	306	0.8	-566.540865		ug/L
	202	202	3	5	2	32.7	1.333334		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL6

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 18:51:08
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3010

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CAL6.091
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	3626	32	0.9	0.003554	**2.0814**	ug/L
ê	B	11	529	246964	6551	2.7	0.241602	**107.6845**	ug/L
ê	Na	23	10310	35870432	345985	1.0	35.161516	**2036.9504**	ug/L
ê	Mg	24	858	48069220	239576	0.5	47.136060	**4158.9418**	ug/L
ê	Al	27	1948	17098530	299755	1.8	16.766044	**981.8814**	ug/L
ê	Ca	44	4349	2259090	51611	2.3	2.210561	**3827.0990**	ug/L
ê>	Sc	45	1032693	1019927	14701	1.4	1019927.455093		ug/L
ê	Ti	47	37	32333	1093	3.4	0.031659	**20.7287**	ug/L
ê	Ti	48	-161	343440	8116	2.4	0.336881	**23.1018**	ug/L
ê	V	51	71	179857	982	0.5	0.176307	**10.2986**	ug/L
ê	Cr	52	13002	748542	6115	0.8	0.721405	**52.6928**	ug/L
ê	Cr	53	54	86127	828	1.0	0.084410	**52.3123**	ug/L
ê	Mn	55	755	958880	7134	0.7	0.939483	**53.4566**	ug/L
ê	Fe	54	128300	1128645	12684	1.1	0.982553	**1123.7377**	ug/L
ê	Fe	57	10493	397797	9234	2.3	0.379831	**1054.0981**	ug/L
ê	Co	59	44	159486	2030	1.3	0.156341	**10.2459**	ug/L
ê	Ni	60	41	69357	1355	2.0	0.067985	**20.7166**	ug/L
ë	Ni	62	107	10564	256	2.4	0.010258	**20.7990**	ug/L
é	Cu	65	19	69966	787	1.1	0.087841	**20.7823**	ug/L
ê	Cu	63	45	152961	2722	1.8	0.192036	**20.9873**	ug/L
ê	Zn	66	51	151608	778	0.5	0.190316	**103.1557**	ug/L
ê	Zn	68	308	105687	1080	1.0	0.132331	**102.7312**	ug/L
ê>	Ge	74	819922	796406	8237	1.0	796406.325583		ug/L
ë	As	75	-79	34030	464	1.4	0.042825	**19.8427**	ug/L
é	Se	77	80	2389	17	0.7	0.002539	**19.9084**	ug/L
ê	Se	82	6	3421	124	3.6	0.003753	**20.0182**	ug/L
ê	Sr	88	123	461903	4399	1.0	0.507575	**20.7039**	ug/L
ê	Mo	95	13	35625	530	1.5	0.039142	**10.0132**	ug/L
ê	Mo	97	8	21683	133	0.6	0.023823	**10.1897**	ug/L
ê	Mo	98	20	56418	953	1.7	0.061988	**10.2782**	ug/L
ê	Ag	107	6	46119	483	1.0	0.050684	**4.1302**	ug/L
ê	Ag	109	6	59393	880	1.5	0.065278	**4.2086**	ug/L
ê	Cd	111	2	6917	121	1.8	0.007599	**2.0318**	ug/L
ê	Cd	114	27	16164	402	2.5	0.017738	**2.0278**	ug/L
ê>	In	115	923806	909976	12679	1.4	909976.167867		ug/L
ê	Sn	120	134	75678	1372	1.8	0.083026	**5.0840**	ug/L

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ê	Sb	121	22	20897	41	0.2	0.022942	**2.0425**	ug/L
ë	Ba	138	58	1673857	21848	1.3	1.839776	**49.0533**	ug/L
é>	Tm	169	787482	759738	6368	0.8	759738.347783		ug/L
ê	Tl	205	5	23749	177	0.7	0.031256	**1.0192**	ug/L
ë	Pb	208	36	155292	588	0.4	0.204361	**5.1734**	ug/L
	C	13	39252	38552	225	0.6	-699.901657		ug/L
	202	202	3	3	1	33.3	-0.333333		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL7
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 18:55:22
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3002

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CAL7.092
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	16987	346	2.0	0.016803	**9.8593**	ug/L
ê	B	11	529	1135416	31848	2.8	1.122733	**500.7633**	ug/L
ê	Na	23	10310	172205872	3652731	2.1	170.352647	**9889.4504**	ug/L
ê	Mg	24	858	222589298	2739870	1.2	220.213692	**19445.8526**	ug/L
ê	Al	27	1948	79737676	1472854	1.8	78.899421	**4621.6556**	ug/L
ê	Ca	44	4349	10618566	148288	1.4	10.502138	**18195.1106**	ug/L
ê>	Sc	45	1032693	1010806	11789	1.2	1010806.194135		ug/L
ê	Ti	47	37	153543	1946	1.3	0.151876	**99.4633**	ug/L
ê	Ti	48	-161	1337799	15965	1.2	1.323659	**90.7858**	ug/L
ê	V	51	71	855423	5488	0.6	0.846325	**49.4300**	ug/L
ê	Cr	52	13002	3170950	19585	0.6	3.124789	**228.2239**	ug/L
ê	Cr	53	54	387894	2101	0.5	0.383746	**237.8587**	ug/L
ê	Mn	55	755	3933895	30966	0.8	3.891640	**221.4586**	ug/L
ê	Fe	54	128300	4211766	67236	1.6	4.043386	**4630.4275**	ug/L
ê	Fe	57	10493	1769385	36017	2.0	1.740441	**4829.6159**	ug/L
ê	Co	59	44	730351	5349	0.7	0.722559	**47.3684**	ug/L
ê	Ni	60	41	315230	6546	2.1	0.311800	**95.0779**	ug/L
ë	Ni	62	107	47517	36	0.1	0.046910	**95.0383**	ug/L
é	Cu	65	19	310497	8883	2.9	0.408347	**96.6343**	ug/L
ê	Cu	63	45	665406	14049	2.1	0.875186	**95.6624**	ug/L
ê	Zn	66	51	689726	6983	1.0	0.907243	**491.7682**	ug/L
ê	Zn	68	308	487657	10083	2.1	0.641031	**497.5844**	ug/L
ê>	Ge	74	819922	760244	10151	1.3	760244.238546		ug/L
ë	As	75	-79	162689	2967	1.8	0.214083	**99.1316**	ug/L
é	Se	77	80	11123	258	2.3	0.012868	**100.9941**	ug/L
ê	Se	82	6	16224	275	1.7	0.018887	**100.5738**	ug/L
ê	Sr	88	123	2000189	35891	1.8	2.329009	**95.0112**	ug/L
ê	Mo	95	13	165953	4455	2.7	0.193194	**49.4110**	ug/L
ê	Mo	97	8	100172	3218	3.2	0.116638	**49.8862**	ug/L
ê	Mo	98	20	259646	3803	1.5	0.302342	**50.1390**	ug/L
ê	Ag	107	6	197751	1106	0.6	0.230252	**18.7717**	ug/L
ê	Ag	109	6	248687	3743	1.5	0.289583	**18.6766**	ug/L
ê	Cd	111	2	31367	541	1.7	0.036525	**9.7615**	ug/L
ê	Cd	114	27	73798	650	0.9	0.085901	**9.8134**	ug/L
ê>	In	115	923806	858894	10636	1.2	858894.030813		ug/L
ê	Sn	120	134	347331	2127	0.6	0.404290	**24.7660**	ug/L

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ê	Sb	121	22	95812	1827	1.9	0.111544	**9.9283**	ug/L
ë	Ba	138	58	7941097	95324	1.2	9.247531	**246.5680**	ug/L
é>	Tm	169	787482	756467	6968	0.9	756466.570406		ug/L
ê	Tl	205	5	110096	689	0.6	0.145537	**4.7472**	ug/L
ë	Pb	208	36	712452	6908	1.0	0.941864	**23.8466**	ug/L
	C	13	39252	38146	155	0.4	-1105.990209		ug/L
	202	202	3	2	1	49.5	-1.000000		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL8
Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 18:59:37
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3001

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CAL8.093
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	30961	310	1.0	0.031617	**18.5556**	ug/L
ê	B	11	529	1810550	30897	1.7	1.848757	**824.6474**	ug/L
ê	Na	23	10310	324010949	3674162	1.1	330.876934	**19213.4124**	ug/L
ê	Mg	24	858	424845178	3274187	0.8	433.882672	**38317.9539**	ug/L
ê	Al	27	1948	154875056	1705676	1.1	158.163435	**9264.9427**	ug/L
ê	Ca	44	4349	20675651	183276	0.9	21.110121	**36577.0934**	ug/L
ê>	Sc	45	1032693	979247	11455	1.2	979246.584695		ug/L
ê	Ti	47	37	297455	3613	1.2	0.303722	**198.9134**	ug/L
ê	Ti	48	-161	2521050	62392	2.5	2.575133	**176.6256**	ug/L
ê	V	51	71	1636028	8140	0.5	1.670729	**97.5780**	ug/L
ê	Cr	52	13002	6103116	83529	1.4	6.220050	**454.2862**	ug/L
ê	Cr	53	54	755276	7328	1.0	0.771248	**478.0560**	ug/L
ê	Mn	55	755	7609182	16359	0.2	7.770327	**442.1876**	ug/L
ê	Fe	54	128300	8230771	45194	0.5	8.281884	**9486.3273**	ug/L
ê	Fe	57	10493	3084251	23471	0.8	3.139555	**8711.9799**	ug/L
ê	Co	59	44	1373891	7790	0.6	1.403133	**91.9883**	ug/L
ê	Ni	60	41	587994	5445	0.9	0.600499	**183.1282**	ug/L
ë	Ni	62	107	90692	565	0.6	0.092517	**187.4149**	ug/L
é	Cu	65	19	571147	3623	0.6	0.798681	**189.0121**	ug/L
ê	Cu	63	45	1206342	13980	1.2	1.686954	**184.3967**	ug/L
ê	Zn	66	51	1278883	18052	1.4	1.788123	**969.2522**	ug/L
ê	Zn	68	308	896363	7326	0.8	1.253156	**972.7161**	ug/L
ê>	Ge	74	819922	715225	10326	1.4	715224.511061		ug/L
ë	As	75	-79	303382	2614	0.9	0.424352	**196.4819**	ug/L
é	Se	77	80	21090	212	1.0	0.025895	**203.2579**	ug/L
ê	Se	82	6	30486	262	0.9	0.037551	**199.9230**	ug/L
ê	Sr	88	123	3712123	28364	0.8	4.572675	**186.5438**	ug/L
ê	Mo	95	13	307936	3804	1.2	0.379338	**97.0160**	ug/L
ê	Mo	97	8	187142	742	0.4	0.230531	**98.5976**	ug/L
ê	Mo	98	20	484332	11655	2.4	0.596550	**98.9311**	ug/L
ê	Ag	107	6	352612	2564	0.7	0.434346	**35.4130**	ug/L
ê	Ag	109	6	440364	10441	2.4	0.542400	**34.9838**	ug/L
ê	Cd	111	2	60343	902	1.5	0.074327	**19.8631**	ug/L
ê	Cd	114	27	139329	1217	0.9	0.171616	**19.6039**	ug/L
ê>	In	115	923806	811840	9516	1.2	811839.509997		ug/L
ê	Sn	120	134	638437	8904	1.4	0.786292	**48.1691**	ug/L

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ê	Sb	121	22	177674	2165	1.2	0.218849	**19.4789**	ug/L
ë	Ba	138	58	15620684	90740	0.6	19.241929	**513.0509**	ug/L
é>	Tm	169	787482	717402	4243	0.6	717401.791623		ug/L
ê	Tl	205	5	207338	1218	0.6	0.289009	**9.4275**	ug/L
ë	Pb	208	36	1308960	8694	0.7	1.824535	**46.1954**	ug/L
	C	13	39252	38212	469	1.2	-1040.143350		ug/L
	202	202	3	6	1	10.2	2.333334		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB2

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 19:03:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB2.094
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	5	1	10.8	0.000004	**-0.0029**	ug/L
ê	B	11	529	5441	1336	24.5	0.004762	**2.0284**	ug/L
ê	Na	23	10310	26628	11461	43.0	0.015857	**-4.4652**	ug/L
ê	Mg	24	858	7857	9248	117.7	0.006833	**-3.7005**	ug/L
ê	Al	27	1948	4710	2768	58.8	0.002690	**-0.1161**	ug/L
ê	Ca	44	4349	4891	508	10.4	0.000524	**-2.5513**	ug/L
ê>	Sc	45	1032693	1033713	11541	1.1	1033712.582271		ug/L
ê	Ti	47	37	53	5	8.8	0.000015	**0.0036**	ug/L
ê	Ti	48	-161	-127	15	12.1	0.000033	**-0.0030**	ug/L
ê	V	51	71	91	18	19.6	0.000020	**0.0028**	ug/L
ê	Cr	52	13002	13300	280	2.1	0.000278	**0.0252**	ug/L
ê	Cr	53	54	50	8	16.2	-0.000003	**-0.0122**	ug/L
ê	Mn	55	755	833	92	11.0	0.000075	**-0.0034**	ug/L
ê	Fe	54	128300	124860	1825	1.5	-0.003445	**-5.8867**	ug/L
ê	Fe	57	10493	10088	127	1.3	-0.000400	**-0.9969**	ug/L
ê	Co	59	44	66	9	13.2	0.000021	**-0.0028**	ug/L
ê	Ni	60	41	37	9	24.5	-0.000003	**-0.0192**	ug/L
ë	Ni	62	107	264	41	15.4	0.000153	**0.3315**	ug/L
é	Cu	65	19	27	9	31.1	0.000011	**-0.0039**	ug/L
ê	Cu	63	45	286	57	20.0	0.000306	**0.0293**	ug/L
ê	Zn	66	51	71	9	13.2	0.000027	**0.0091**	ug/L
ê	Zn	68	308	334	35	10.6	0.000046	**0.0514**	ug/L
ê>	Ge	74	819922	793183	1791	0.2	793182.809498		ug/L
ë	As	75	-79	7	80	1164.9	0.000104	**0.0641**	ug/L
é	Se	77	80	76	4	5.0	-0.000000	**-0.0248**	ug/L
ê	Se	82	6	19	10	54.2	0.000015	**0.1202**	ug/L
ê	Sr	88	123	727	1008	138.6	0.000683	**0.0247**	ug/L
ê	Mo	95	13	104	70	67.5	0.000103	**0.0293**	ug/L
ê	Mo	97	8	64	45	70.1	0.000063	**0.0277**	ug/L
ê	Mo	98	20	154	73	47.6	0.000153	**0.0233**	ug/L
ê	Ag	107	6	53	63	119.0	0.000052	**0.0018**	ug/L
ê	Ag	109	6	53	65	121.5	0.000053	**0.0015**	ug/L
ê	Cd	111	2	7	6	89.2	0.000006	**0.0027**	ug/L
ê	Cd	114	27	38	18	48.7	0.000013	**0.0032**	ug/L
ê>	In	115	923806	886183	6789	0.8	886183.335378		ug/L
ê	Sn	120	134	299	56	18.7	0.000193	**0.0093**	ug/L

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ê	Sb	121	22	159	14	8.9	0.000156	**0.0144**	ug/L
ë	Ba	138	58	605	899	148.5	0.000616	**0.0153**	ug/L
é>	Tm	169	787482	747873	4813	0.6	747872.806071		ug/L
ê	Tl	205	5	12	9	77.8	0.000009	**-0.0001**	ug/L
ë	Pb	208	36	65	40	62.1	0.000041	**0.0001**	ug/L
	C	13	39252	38768	408	1.1	-484.316732		ug/L
	202	202	3	4	2	56.8	0.333333		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	100.099
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	96.739
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	95.927
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	94.970
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICV1

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 19:08:06
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 4

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICV1.095
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	1731	13	0.8	0.001673	**0.9773**	ug/L
ê	B	11	529	121679	4557	3.7	0.117257	**52.2136**	ug/L
ê	Na	23	10310	8918036	154963	1.7	8.619647	**495.2810**	ug/L
ê	Mg	24	858	2354248	60049	2.6	2.276855	**196.7969**	ug/L
ê	Al	27	1948	981877	20264	2.1	0.948158	**55.2694**	ug/L
ê	Ca	44	4349	639098	8530	1.3	0.614247	**1060.9351**	ug/L
ê>	Sc	45	1032693	1033544	10755	1.0	1033544.338366		ug/L
ê	Ti	47	37	7746	24	0.3	0.007459	**4.8790**	ug/L
ê	Ti	48	-161	75521	2715	3.6	0.073216	**5.0168**	ug/L
ê	V	51	71	87966	1201	1.4	0.085041	**4.9684**	ug/L
ê	Cr	52	13002	189947	895	0.5	0.171209	**12.5092**	ug/L
ê	Cr	53	54	20866	303	1.5	0.020139	**12.4730**	ug/L
ê	Mn	55	755	47508	794	1.7	0.045243	**2.5671**	ug/L
ê	Fe	54	128300	367115	2805	0.8	0.230987	**262.6939**	ug/L
ê	Fe	57	10493	102913	1575	1.5	0.089430	**248.2710**	ug/L
ê	Co	59	44	39738	1438	3.6	0.038406	**2.5138**	ug/L
ê	Ni	60	41	17194	169	1.0	0.016599	**5.0442**	ug/L
ë	Ni	62	107	2673	15	0.6	0.002483	**5.0514**	ug/L
é	Cu	65	19	16963	325	1.9	0.021476	**5.0761**	ug/L
ê	Cu	63	45	36910	215	0.6	0.046721	**5.1029**	ug/L
ê	Zn	66	51	7387	59	0.8	0.009299	**5.0346**	ug/L
ê	Zn	68	308	5381	79	1.5	0.006443	**5.0169**	ug/L
ê>	Ge	74	819922	789196	9466	1.2	789195.693260		ug/L
ë	As	75	-79	8379	415	5.0	0.010716	**4.9771**	ug/L
é	Se	77	80	1247	12	1.0	0.001286	**10.0732**	ug/L
ê	Se	82	6	1631	114	7.0	0.001789	**9.5646**	ug/L
ê	Sr	88	123	111139	1595	1.4	0.122161	**4.9805**	ug/L
ê	Mo	95	13	1758	76	4.3	0.001920	**0.4942**	ug/L
ê	Mo	97	8	1081	55	5.1	0.001181	**0.5056**	ug/L
ê	Mo	98	20	2752	132	4.8	0.003007	**0.4968**	ug/L
ê	Ag	107	6	9641	269	2.8	0.010602	**0.8620**	ug/L
ê	Ag	109	6	11976	199	1.7	0.013172	**0.8476**	ug/L
ê	Cd	111	2	1654	44	2.7	0.001818	**0.4869**	ug/L
ê	Cd	114	27	3912	108	2.8	0.004274	**0.4900**	ug/L
ê>	In	115	923806	908862	6940	0.8	908862.459412		ug/L
ê	Sn	120	134	37233	625	1.7	0.040825	**2.4985**	ug/L

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ê	Sb	121	22	10295	100	1.0	0.011304	**1.0067**	ug/L
ë	Ba	138	58	84950	1033	1.2	0.093404	**2.4893**	ug/L
é>	Tm	169	787482	754898	10136	1.3	754898.293005		ug/L
ê	Tl	205	5	5903	118	2.0	0.007813	**0.2544**	ug/L
ë	Pb	208	36	75892	320	0.4	0.100498	**2.5436**	ug/L
	C	13	39252	39590	104	0.3	337.595802		ug/L
	202	202	3	53	7	12.6	49.333431		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	100.082
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	96.253
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	98.382
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	95.862
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB3

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 19:12:58
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB3.096
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	4	2	41.7	0.000002	**-0.0039**	ug/L
ê	B	11	529	1665	200	12.0	0.001041	**0.3684**	ug/L
ê	Na	23	10310	21395	14453	67.6	0.009925	**-4.8098**	ug/L
ê	Mg	24	858	8966	13806	154.0	0.007488	**-3.6427**	ug/L
ê	Al	27	1948	4406	4128	93.7	0.002210	**-0.1443**	ug/L
ê	Ca	44	4349	4845	549	11.3	0.000306	**-2.9287**	ug/L
ê>	Sc	45	1032693	1072174	7708	0.7	1072173.826244		ug/L
ê	Ti	47	37	51	5	10.1	0.000011	**0.0012**	ug/L
ê	Ti	48	-161	-156	22	14.2	0.000009	**-0.0046**	ug/L
ê	V	51	71	96	27	28.0	0.000021	**0.0029**	ug/L
ê	Cr	52	13002	13373	509	3.8	-0.000117	**-0.0037**	ug/L
ê	Cr	53	54	66	18	27.0	0.000009	**-0.0044**	ug/L
ê	Mn	55	755	784	74	9.4	-0.000001	**-0.0077**	ug/L
ê	Fe	54	128300	130405	1982	1.5	-0.002612	**-4.9317**	ug/L
ê	Fe	57	10493	10670	315	2.9	-0.000208	**-0.4642**	ug/L
ê	Co	59	44	60	12	19.8	0.000013	**-0.0033**	ug/L
ê	Ni	60	41	44	8	17.7	0.000002	**-0.0177**	ug/L
ë	Ni	62	107	144	5	3.3	0.000031	**0.0844**	ug/L
é	Cu	65	19	17	4	24.0	-0.000003	**-0.0071**	ug/L
ê	Cu	63	45	101	22	21.4	0.000068	**0.0032**	ug/L
ê	Zn	66	51	55	14	25.2	0.000004	**-0.0036**	ug/L
ê	Zn	68	308	306	38	12.3	-0.000005	**0.0120**	ug/L
ê>	Ge	74	819922	826737	14996	1.8	826737.384929		ug/L
ë	As	75	-79	-93	37	39.8	-0.000017	**0.0080**	ug/L
é	Se	77	80	84	6	7.4	0.000005	**0.0203**	ug/L
ê	Se	82	6	7	4	54.0	0.000001	**0.0470**	ug/L
ê	Sr	88	123	142	17	12.0	0.000023	**-0.0022**	ug/L
ê	Mo	95	13	20	6	28.0	0.000007	**0.0048**	ug/L
ê	Mo	97	8	13	3	26.6	0.000005	**0.0028**	ug/L
ê	Mo	98	20	24	6	26.9	0.000005	**-0.0012**	ug/L
ê	Ag	107	6	11	4	37.9	0.000005	**-0.0021**	ug/L
ê	Ag	109	6	12	5	40.0	0.000007	**-0.0015**	ug/L
ê	Cd	111	2	3	2	57.7	0.000001	**0.0015**	ug/L
ê	Cd	114	27	25	4	14.3	-0.000002	**0.0015**	ug/L
ê>	In	115	923806	914735	11026	1.2	914734.959770		ug/L
ê	Sn	120	134	171	4	2.1	0.000042	**0.0000**	ug/L

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ê	Sb	121	22	35	6	17.3	0.000014	**0.0019**	ug/L
ë	Ba	138	58	65	16	24.0	0.000008	**-0.0009**	ug/L
é>	Tm	169	787482	767341	6226	0.8	767340.570623		ug/L
ê	Tl	205	5	3	0	0.0	-0.000002	**-0.0005**	ug/L
ë	Pb	208	36	40	11	28.3	0.000006	**-0.0008**	ug/L
	C	13	39252	39251	519	1.3	-1.665756		ug/L
	202	202	3	1	1	100.0	-2.333334		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	103.823
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	100.831
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	99.018
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	97.442
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL1

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 19:17:13
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 101

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-IBL1.097
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	3	0	0.0	0.000001	**-0.0043**	ug/L
ê	B	11	529	1119	74	6.6	0.000551	**0.1501**	ug/L
ê	Na	23	10310	7611	160	2.1	-0.002751	**-5.5460**	ug/L
ê	Mg	24	858	584	12	2.0	-0.000276	**-4.3284**	ug/L
ê	Al	27	1948	1584	67	4.2	-0.000381	**-0.2961**	ug/L
ê	Ca	44	4349	4251	103	2.4	-0.000171	**-3.7559**	ug/L
ê>	Sc	45	1032693	1052447	13547	1.3	1052447.476923		ug/L
ê	Ti	47	37	50	11	22.0	0.000011	**0.0014**	ug/L
ê	Ti	48	-161	-156	18	11.4	0.000007	**-0.0047**	ug/L
ê	V	51	71	112	6	5.4	0.000038	**0.0039**	ug/L
ê	Cr	52	13002	13652	186	1.4	0.000384	**0.0329**	ug/L
ê	Cr	53	54	66	14	21.2	0.000010	**-0.0036**	ug/L
ê	Mn	55	755	750	31	4.1	-0.000019	**-0.0087**	ug/L
ê	Fe	54	128300	130120	2191	1.7	-0.000593	**-2.6194**	ug/L
ê	Fe	57	10493	10502	63	0.6	-0.000180	**-0.3865**	ug/L
ê	Co	59	44	49	8	15.3	0.000004	**-0.0039**	ug/L
ê	Ni	60	41	30	4	13.2	-0.000010	**-0.0214**	ug/L
ë	Ni	62	107	123	10	7.8	0.000014	**0.0496**	ug/L
é	Cu	65	19	12	1	4.7	-0.000008	**-0.0085**	ug/L
ê	Cu	63	45	60	4	6.0	0.000019	**-0.0021**	ug/L
ê	Zn	66	51	48	3	6.7	-0.000003	**-0.0075**	ug/L
ê	Zn	68	308	300	10	3.3	-0.000007	**0.0101**	ug/L
ê>	Ge	74	819922	813728	3696	0.5	813728.235603		ug/L
ë	As	75	-79	-105	12	11.2	-0.000033	**0.0006**	ug/L
é	Se	77	80	87	7	7.6	0.000009	**0.0485**	ug/L
ê	Se	82	6	5	1	21.5	-0.000000	**0.0391**	ug/L
ê	Sr	88	123	109	13	11.7	-0.000014	**-0.0037**	ug/L
ê	Mo	95	13	16	7	41.0	0.000003	**0.0038**	ug/L
ê	Mo	97	8	11	5	43.3	0.000003	**0.0017**	ug/L
ê	Mo	98	20	22	4	16.3	0.000002	**-0.0016**	ug/L
ê	Ag	107	6	6	2	27.0	-0.000001	**-0.0025**	ug/L
ê	Ag	109	6	8	3	43.3	0.000002	**-0.0018**	ug/L
ê	Cd	111	2	3	2	45.8	0.000002	**0.0016**	ug/L
ê	Cd	114	27	26	2	9.5	-0.000002	**0.0015**	ug/L
ê>	In	115	923806	915545	10026	1.1	915544.658807		ug/L
ê	Sn	120	134	94	6	5.9	-0.000042	**-0.0051**	ug/L

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ê	Sb	121	22	17	9	51.0	-0.000006	**0.0000**	ug/L
ë	Ba	138	58	45	1	2.5	-0.000013	**-0.0015**	ug/L
é>	Tm	169	787482	754359	13525	1.8	754358.957632		ug/L
ê	Tl	205	5	4	2	41.7	-0.000001	**-0.0005**	ug/L
ë	Pb	208	36	20	2	10.0	-0.000020	**-0.0015**	ug/L
	C	13	39252	39477	372	0.9	224.954360		ug/L
	202	202	3	3	2	57.7	-0.333333		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	101.913
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	99.245
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	99.106
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	95.794
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL2

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 19:21:27
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 102

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-IBL2.098
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	3	1	17.3	0.000002	**-0.0041**	ug/L
ê	B	11	529	929	33	3.5	0.000359	**0.0643**	ug/L
ê	Na	23	10310	7160	171	2.4	-0.003274	**-5.5764**	ug/L
ê	Mg	24	858	582	13	2.2	-0.000286	**-4.3293**	ug/L
ê	Al	27	1948	1533	43	2.8	-0.000450	**-0.3001**	ug/L
ê	Ca	44	4349	4311	60	1.4	-0.000171	**-3.7566**	ug/L
ê>	Sc	45	1032693	1067252	12540	1.2	1067252.040363		ug/L
ê	Ti	47	37	54	13	24.3	0.000014	**0.0033**	ug/L
ê	Ti	48	-161	-169	16	9.3	-0.000003	**-0.0054**	ug/L
ê	V	51	71	111	9	8.5	0.000035	**0.0037**	ug/L
ê	Cr	52	13002	13777	473	3.4	0.000322	**0.0284**	ug/L
ê	Cr	53	54	89	10	11.5	0.000031	**0.0092**	ug/L
ê	Mn	55	755	724	21	2.9	-0.000053	**-0.0107**	ug/L
ê	Fe	54	128300	131334	3217	2.4	-0.001147	**-3.2531**	ug/L
ê	Fe	57	10493	10724	162	1.5	-0.000111	**-0.1941**	ug/L
ê	Co	59	44	53	8	15.8	0.000006	**-0.0037**	ug/L
ê	Ni	60	41	39	7	18.5	-0.000003	**-0.0190**	ug/L
ë	Ni	62	107	115	4	3.1	0.000004	**0.0313**	ug/L
é	Cu	65	19	16	1	3.7	-0.000005	**-0.0075**	ug/L
ê	Cu	63	45	60	3	5.8	0.000018	**-0.0022**	ug/L
ê	Zn	66	51	37	3	7.2	-0.000018	**-0.0153**	ug/L
ê	Zn	68	308	342	12	3.6	0.000040	**0.0466**	ug/L
ê>	Ge	74	819922	823956	19918	2.4	823956.089863		ug/L
ë	As	75	-79	-101	41	40.5	-0.000026	**0.0038**	ug/L
é	Se	77	80	88	12	14.0	0.000010	**0.0540**	ug/L
ê	Se	82	6	10	5	49.2	0.000005	**0.0662**	ug/L
ê	Sr	88	123	107	8	7.0	-0.000016	**-0.0038**	ug/L
ê	Mo	95	13	11	2	14.3	-0.000003	**0.0023**	ug/L
ê	Mo	97	8	9	3	33.3	0.000001	**0.0010**	ug/L
ê	Mo	98	20	21	6	26.6	0.000001	**-0.0017**	ug/L
ê	Ag	107	6	6	1	16.7	-0.000000	**-0.0025**	ug/L
ê	Ag	109	6	4	1	25.0	-0.000002	**-0.0021**	ug/L
ê	Cd	111	2	4	1	25.0	0.000003	**0.0018**	ug/L
ê	Cd	114	27	31	2	6.4	0.000004	**0.0022**	ug/L
ê>	In	115	923806	915347	3312	0.4	915346.654679		ug/L
ê	Sn	120	134	84	9	10.6	-0.000053	**-0.0058**	ug/L

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ê	Sb	121	22	13	4	30.3	-0.000010	**-0.0003**	ug/L
ë	Ba	138	58	31	3	10.0	-0.000029	**-0.0019**	ug/L
é>	Tm	169	787482	764453	4093	0.5	764453.311429		ug/L
ê	Tl	205	5	4	2	41.7	-0.000002	**-0.0005**	ug/L
ë	Pb	208	36	21	3	11.8	-0.000018	**-0.0014**	ug/L
	C	13	39252	39719	293	0.7	467.290144		ug/L
	202	202	3	5	2	32.7	1.333334		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	103.347
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	100.492
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	99.084
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	97.076
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL3

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 19:25:41
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 103

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-IBL3.099
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	3	1	33.3	0.000001	**-0.0043**	ug/L
ê	B	11	529	775	35	4.5	0.000200	**-0.0066**	ug/L
ê	Na	23	10310	7554	141	1.9	-0.003041	**-5.5629**	ug/L
ê	Mg	24	858	639	25	3.9	-0.000244	**-4.3256**	ug/L
ê	Al	27	1948	1596	46	2.9	-0.000420	**-0.2983**	ug/L
ê	Ca	44	4349	4304	45	1.0	-0.000255	**-3.9006**	ug/L
ê>	Sc	45	1032693	1087961	16129	1.5	1087960.826688		ug/L
ê	Ti	47	37	48	5	9.5	0.000008	**-0.0009**	ug/L
ê	Ti	48	-161	-153	13	8.3	0.000015	**-0.0042**	ug/L
ê	V	51	71	122	10	7.8	0.000044	**0.0042**	ug/L
ê	Cr	52	13002	13714	294	2.1	0.000016	**0.0061**	ug/L
ê	Cr	53	54	67	6	9.4	0.000009	**-0.0043**	ug/L
ê	Mn	55	755	775	27	3.5	-0.000019	**-0.0087**	ug/L
ê	Fe	54	128300	130933	2176	1.7	-0.003856	**-6.3577**	ug/L
ê	Fe	57	10493	10814	235	2.2	-0.000221	**-0.5000**	ug/L
ê	Co	59	44	47	4	8.8	0.000001	**-0.0041**	ug/L
ê	Ni	60	41	46	10	21.6	0.000003	**-0.0174**	ug/L
ë	Ni	62	107	100	5	4.5	-0.000011	**-0.0001**	ug/L
é	Cu	65	19	13	4	33.5	-0.000008	**-0.0083**	ug/L
ê	Cu	63	45	46	10	22.0	0.000002	**-0.0040**	ug/L
ê	Zn	66	51	42	5	10.9	-0.000011	**-0.0120**	ug/L
ê	Zn	68	308	315	22	6.8	0.000008	**0.0217**	ug/L
ê>	Ge	74	819922	821072	5816	0.7	821071.818321		ug/L
ë	As	75	-79	-110	28	25.6	-0.000038	**-0.0018**	ug/L
é	Se	77	80	86	5	5.9	0.000006	**0.0287**	ug/L
ê	Se	82	6	7	8	112.9	0.000002	**0.0504**	ug/L
ê	Sr	88	123	117	11	9.2	-0.000006	**-0.0034**	ug/L
ê	Mo	95	13	14	2	11.2	0.000000	**0.0031**	ug/L
ê	Mo	97	8	9	1	6.2	0.000001	**0.0011**	ug/L
ê	Mo	98	20	19	2	9.5	-0.000001	**-0.0021**	ug/L
ê	Ag	107	6	8	2	27.2	0.000001	**-0.0023**	ug/L
ê	Ag	109	6	12	3	22.0	0.000007	**-0.0016**	ug/L
ê	Cd	111	2	1	2	114.6	-0.000000	**0.0010**	ug/L
ê	Cd	114	27	27	5	17.0	-0.000001	**0.0016**	ug/L
ê>	In	115	923806	922529	15199	1.6	922528.604248		ug/L
ê	Sn	120	134	78	12	16.1	-0.000061	**-0.0063**	ug/L

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ê	Sb	121	22	16	4	22.5	-0.000007	**-0.0000**	ug/L
ë	Ba	138	58	29	8	26.9	-0.000031	**-0.0019**	ug/L
é>	Tm	169	787482	769660	2225	0.3	769660.094485		ug/L
ê	Tl	205	5	2	1	34.6	-0.000004	**-0.0006**	ug/L
ë	Pb	208	36	20	4	20.5	-0.000021	**-0.0015**	ug/L
	C	13	39252	39422	175	0.4	170.134123		ug/L
	202	202	3	2	1	34.6	-1.666667		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	105.352
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	100.140
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	99.862
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	97.737
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL4

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 19:29:55
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 104

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-IBL4.100
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	3	3	88.2	0.000001	**-0.0043**	ug/L
ê	B	11	529	728	10	1.4	0.000157	**-0.0258**	ug/L
ê	Na	23	10310	6753	196	2.9	-0.003780	**-5.6058**	ug/L
ê	Mg	24	858	736	16	2.1	-0.000155	**-4.3177**	ug/L
ê	Al	27	1948	1677	33	2.0	-0.000347	**-0.2940**	ug/L
ê	Ca	44	4349	4402	37	0.8	-0.000168	**-3.7505**	ug/L
ê>	Sc	45	1032693	1088908	14654	1.3	1088907.771356		ug/L
ê	Ti	47	37	38	5	13.1	-0.000002	**-0.0071**	ug/L
ê	Ti	48	-161	-151	19	12.7	0.000017	**-0.0040**	ug/L
ê	V	51	71	116	12	10.6	0.000038	**0.0039**	ug/L
ê	Cr	52	13002	13881	27	0.2	0.000159	**0.0165**	ug/L
ê	Cr	53	54	72	3	4.3	0.000014	**-0.0016**	ug/L
ê	Mn	55	755	790	17	2.2	-0.000006	**-0.0080**	ug/L
ê	Fe	54	128300	131941	2328	1.8	-0.003057	**-5.4423**	ug/L
ê	Fe	57	10493	10941	274	2.5	-0.000114	**-0.2024**	ug/L
ê	Co	59	44	54	6	11.1	0.000007	**-0.0037**	ug/L
ê	Ni	60	41	39	10	26.3	-0.000004	**-0.0194**	ug/L
ë	Ni	62	107	114	12	10.9	0.000002	**0.0258**	ug/L
é	Cu	65	19	16	7	46.2	-0.000005	**-0.0076**	ug/L
ê	Cu	63	45	46	5	10.6	0.000001	**-0.0040**	ug/L
ê	Zn	66	51	43	4	8.9	-0.000011	**-0.0118**	ug/L
ê	Zn	68	308	326	16	4.9	0.000017	**0.0290**	ug/L
ê>	Ge	74	819922	829518	1529	0.2	829518.418921		ug/L
ë	As	75	-79	-114	34	29.6	-0.000042	**-0.0034**	ug/L
é	Se	77	80	88	13	14.8	0.000008	**0.0402**	ug/L
ê	Se	82	6	4	6	150.2	-0.000002	**0.0288**	ug/L
ê	Sr	88	123	115	13	11.1	-0.000010	**-0.0036**	ug/L
ê	Mo	95	13	12	2	16.7	-0.000002	**0.0026**	ug/L
ê	Mo	97	8	8	8	99.2	-0.000001	**0.0004**	ug/L
ê	Mo	98	20	18	6	35.6	-0.000002	**-0.0023**	ug/L
ê	Ag	107	6	4	3	86.6	-0.000003	**-0.0027**	ug/L
ê	Ag	109	6	6	1	9.1	0.000000	**-0.0020**	ug/L
ê	Cd	111	2	2	1	34.6	-0.000000	**0.0011**	ug/L
ê	Cd	114	27	27	5	18.4	-0.000001	**0.0017**	ug/L
ê>	In	115	923806	933070	14500	1.6	933070.162822		ug/L
ê	Sn	120	134	77	6	7.1	-0.000062	**-0.0063**	ug/L

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ê	Sb	121	22	15	3	20.8	-0.000008	**-0.0002**	ug/L
ë	Ba	138	58	33	7	22.2	-0.000028	**-0.0018**	ug/L
é>	Tm	169	787482	768232	7807	1.0	768231.747953		ug/L
ê	Tl	205	5	3	3	88.2	-0.000002	**-0.0005**	ug/L
ë	Pb	208	36	18	3	16.7	-0.000023	**-0.0016**	ug/L
	C	13	39252	39955	137	0.3	702.944358		ug/L
	202	202	3	4	2	56.8	0.333333		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	105.444
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	101.170
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	101.003
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	97.555
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV1
Sample Description: 5x
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 19:34:09
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 105

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-SCV1.101
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	1059	10	0.9	0.000990	**2.8810**	ug/L
ê	B	11	529	149408	4879	3.3	0.139394	**310.4429**	ug/L
ê	Na	23	10310	11336013	136847	1.2	10.607621	**3053.7568**	ug/L
ê	Mg	24	858	2556588	6992	0.3	2.394142	**1035.7808**	ug/L
ê	Al	27	1948	226629	5262	2.3	0.210360	**60.2460**	ug/L
ê	Ca	44	4349	748057	12748	1.7	0.696392	**6016.4012**	ug/L
ê>	Sc	45	1032693	1067915	27264	2.6	1067914.852493		ug/L
ê	Ti	47	37	226	15	6.7	0.000175	**0.5428**	ug/L
ê	Ti	48	-161	-1743	512	29.4	-0.001485	**-0.5354**	ug/L
ê	V	51	71	55014	1102	2.0	0.051455	**15.0340**	ug/L
ê	Cr	52	13002	131646	1564	1.2	0.110713	**40.4541**	ug/L
ê	Cr	53	54	13663	188	1.4	0.012745	**39.4499**	ug/L
ê	Mn	55	755	157463	2542	1.6	0.146756	**41.7199**	ug/L
ê	Fe	54	128300	125023	840	0.7	-0.007116	**-50.4626**	ug/L
ê	Fe	57	10493	12784	373	2.9	0.001820	**25.8216**	ug/L
ê	Co	59	44	65929	879	1.3	0.061708	**20.2076**	ug/L
ê	Ni	60	41	17584	173	1.0	0.016431	**24.9658**	ug/L
ë	Ni	62	107	2659	46	1.7	0.002387	**24.2813**	ug/L
é	Cu	65	19	59507	1378	2.3	0.071476	**84.5469**	ug/L
ê	Cu	63	45	129130	3255	2.5	0.155097	**84.7475**	ug/L
ê	Zn	66	51	16842	379	2.2	0.020173	**54.6443**	ug/L
ê	Zn	68	308	14074	210	1.5	0.016536	**64.2519**	ug/L
ê>	Ge	74	819922	832243	10313	1.2	832243.484680		ug/L
ë	As	75	-79	2971	56	1.9	0.003666	**8.5655**	ug/L
é	Se	77	80	552	24	4.3	0.000509	**19.8747**	ug/L
ê	Se	82	6	701	25	3.5	0.000750	**20.1698**	ug/L
ê	Sr	88	123	561577	11468	2.0	0.605363	**123.4663**	ug/L
ê	Mo	95	13	32368	787	2.4	0.034881	**44.6186**	ug/L
ê	Mo	97	8	19413	342	1.8	0.020918	**44.7352**	ug/L
ê	Mo	98	20	50428	963	1.9	0.054345	**45.0537**	ug/L
ê	Ag	107	6	18767	546	2.9	0.020226	**8.2336**	ug/L
ê	Ag	109	6	23400	294	1.3	0.025222	**8.1245**	ug/L
ê	Cd	111	2	2703	26	1.0	0.002911	**3.8955**	ug/L
ê	Cd	114	27	6227	34	0.5	0.006683	**3.8254**	ug/L
ê>	In	115	923806	927709	11338	1.2	927709.303632		ug/L
ê	Sn	120	134	248	17	7.0	0.000123	**0.0248**	ug/L

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ê	Sb	121	22	10471	128	1.2	0.011264	**5.0157**	ug/L
ë	Ba	138	58	990985	21970	2.2	1.068255	**142.4100**	ug/L
é>	Tm	169	787482	777233	5680	0.7	777233.303971		ug/L
ê	Tl	205	5	7617	44	0.6	0.009794	**1.5953**	ug/L
ë	Pb	208	36	74785	1344	1.8	0.096181	**12.1714**	ug/L
	C	13	39252	44384	803	1.8	5131.335294		ug/L
	202	202	3	4	2	56.8	0.333333		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	103.411
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	101.503
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	100.422
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	98.699
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV3

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 19:39:05
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 107

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-SCV3.102
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	7068	153	2.2	0.007044	**4.1302**	ug/L
ê	B	11	529	477594	18152	3.8	0.475539	**212.0455**	ug/L
ê	Na	23	10310	33869369	602840	1.8	33.749600	**1954.9401**	ug/L
ê	Mg	24	858	9020570	234952	2.6	8.990826	**789.8018**	ug/L
ê	Al	27	1948	3213476	26201	0.8	3.200549	**187.2145**	ug/L
ê	Ca	44	4349	5271489	54554	1.0	5.248977	**9092.2009**	ug/L
ê>	Sc	45	1032693	1003546	14524	1.4	1003546.033318		ug/L
ê	Ti	47	37	29875	605	2.0	0.029731	**19.4661**	ug/L
ê	Ti	48	-161	364293	7003	1.9	0.363205	**24.9074**	ug/L
ê	V	51	71	339471	653	0.2	0.338245	**19.7563**	ug/L
ê	Cr	52	13002	700880	20819	3.0	0.685746	**50.0883**	ug/L
ê	Cr	53	54	79486	1125	1.4	0.079162	**49.0594**	ug/L
ê	Mn	55	755	178597	1769	1.0	0.177253	**10.0795**	ug/L
ê	Fe	54	128300	1029802	25968	2.5	0.901949	**1031.3918**	ug/L
ê	Fe	57	10493	370388	5710	1.5	0.358950	**996.1548**	ug/L
ê	Co	59	44	148293	1056	0.7	0.147736	**9.6818**	ug/L
ê	Ni	60	41	64053	1675	2.6	0.063783	**19.4349**	ug/L
ë	Ni	62	107	9662	89	0.9	0.009525	**19.3158**	ug/L
é	Cu	65	19	64241	280	0.4	0.081625	**19.3112**	ug/L
ê	Cu	63	45	138758	3077	2.2	0.176310	**19.2683**	ug/L
ê	Zn	66	51	29870	789	2.6	0.037897	**20.5365**	ug/L
ê	Zn	68	308	20715	520	2.5	0.025946	**20.1547**	ug/L
ê>	Ge	74	819922	786962	14791	1.9	786962.173978		ug/L
ë	As	75	-79	34005	308	0.9	0.043319	**20.0716**	ug/L
é	Se	77	80	4787	111	2.3	0.005260	**41.2702**	ug/L
ê	Se	82	6	6665	75	1.1	0.007439	**39.6396**	ug/L
ê	Sr	88	123	426023	3338	0.8	0.475733	**19.4049**	ug/L
ê	Mo	95	13	6596	113	1.7	0.007353	**1.8835**	ug/L
ê	Mo	97	8	4066	104	2.6	0.004533	**1.9395**	ug/L
ê	Mo	98	20	10438	67	0.6	0.011638	**1.9281**	ug/L
ê	Ag	107	6	37686	717	1.9	0.042088	**3.4293**	ug/L
ê	Ag	109	6	47814	827	1.7	0.053401	**3.4425**	ug/L
ê	Cd	111	2	6615	80	1.2	0.007387	**1.9751**	ug/L
ê	Cd	114	27	15410	421	2.7	0.017182	**1.9643**	ug/L
ê>	In	115	923806	895259	4249	0.5	895259.219823		ug/L
ê	Sn	120	134	139886	2871	2.1	0.156100	**9.5608**	ug/L

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ê	Sb	121	22	39609	322	0.8	0.044219	**3.9362**	ug/L
ë	Ba	138	58	325759	423	0.1	0.363813	**9.6993**	ug/L
é>	Tm	169	787482	736672	4273	0.6	736672.318728		ug/L
ê	Tl	205	5	22685	333	1.5	0.030789	**1.0039**	ug/L
ë	Pb	208	36	293138	796	0.3	0.397881	**10.0732**	ug/L
	C	13	39252	40075	679	1.7	823.291036		ug/L
	202	202	3	180	9	5.1	176.334465		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	Ca	44	
|>	Sc	45	97.178
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	95.980
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	96.910
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	93.548
|	Tl	205	
⌊	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IFA1
Sample Description: 200x
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 19:43:19
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 0.05
Autosampler Position: 108

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-IFA1.103
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	3	3	88.2	0.000001	**-0.8579**	ug/L
ê	B	11	529	1500	290	19.3	0.000901	**61.1991**	ug/L
ê	Na	23	10310	44799927	366037	0.8	42.244577	**489673.1955**	ug/L
ê	Mg	24	858	29775371	357836	1.2	28.080848	**495181.8254**	ug/L
ê	Al	27	1948	41441075	917837	2.2	39.077465	**457776.9557**	ug/L
ê	Ca	44	4349	1588075	13725	0.9	1.493741	**516992.1346**	ug/L
ê>	Sc	45	1032693	1060356	14915	1.4	1060356.217834		ug/L
ê	Ti	47	37	84738	1353	1.6	0.079877	**10461.7154**	ug/L
ê	Ti	48	-161	775573	16197	2.1	0.731807	**10038.0188**	ug/L
ê	V	51	71	2711	120	4.4	0.002490	**29.4183**	ug/L
ê	Cr	52	13002	12928	369	2.9	-0.000398	**-4.8374**	ug/L
ê	Cr	53	54	959	57	5.9	0.000853	**103.6871**	ug/L
ê	Mn	55	755	1770	79	4.5	0.000938	**9.1521**	ug/L
ê	Fe	54	128300	2386349	44935	1.9	2.126967	**486970.4393**	ug/L
ê	Fe	57	10493	970511	28566	2.9	0.905464	**502532.2537**	ug/L
ê	Co	59	44	851	39	4.6	0.000759	**9.1199**	ug/L
ê	Ni	60	41	-252	45	18.0	-0.000277	**-20.5494**	ug/L
ë	Ni	62	107	283	10	3.6	0.000164	**70.7628**	ug/L
é	Cu	65	19	237	16	6.6	0.000267	**11.3300**	ug/L
ê	Cu	63	45	913	44	4.8	0.001063	**22.3960**	ug/L
ê	Zn	66	51	306	23	7.5	0.000313	**32.7369**	ug/L
ê	Zn	68	308	377	20	5.2	0.000087	**16.6052**	ug/L
ê>	Ge	74	819922	816709	9607	1.2	816708.655187		ug/L
ë	As	75	-79	-79	68	86.0	-0.000001	**3.0765**	ug/L
é	Se	77	80	128	8	5.9	0.000056	**84.3818**	ug/L
ê	Se	82	6	5	12	245.8	-0.000001	**7.0604**	ug/L
ê	Sr	88	123	354	26	7.3	0.000263	**1.5140**	ug/L
ê	Mo	95	13	175874	7830	4.5	0.197000	**10076.8707**	ug/L
ê	Mo	97	8	106512	1580	1.5	0.119301	**10204.9819**	ug/L
ê	Mo	98	20	271877	3993	1.5	0.304471	**10098.4213**	ug/L
ê	Ag	107	6	120	12	10.0	0.000128	**1.5987**	ug/L
ê	Ag	109	6	137	14	9.9	0.000147	**1.5080**	ug/L
ê	Cd	111	2	285	12	4.2	0.000317	**17.1641**	ug/L
ê	Cd	114	27	488	35	7.3	0.000516	**12.1402**	ug/L
ê>	In	115	923806	892968	13910	1.6	892967.657898		ug/L
ê	Sn	120	134	116	2	2.0	-0.000015	**-0.6966**	ug/L

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ê	Sb	121	22	275	11	4.1	0.000283	**5.1581**	ug/L
ë	Ba	138	58	6166	200	3.3	0.006842	**36.2663**	ug/L
é>	Tm	169	787482	776231	2592	0.3	776230.720597		ug/L
ê	Tl	205	5	74	6	8.1	0.000089	**0.4938**	ug/L
ë	Pb	208	36	203	10	5.0	0.000215	**0.8932**	ug/L
	C	13	39252	44468	276	0.6	5215.583462		ug/L
	202	202	3	7	3	45.8	3.333335		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	102.679
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	99.608
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	96.662
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	98.571
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IFB1
Sample Description: 200x
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 19:47:33
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 0.05
Autosampler Position: 109

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-IFB1.104
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	4	0	0.0	0.000002	**-0.7507**	ug/L
ê	B	11	529	955	76	8.0	0.000381	**14.8414**	ug/L
ê	Na	23	10310	44535678	815084	1.8	41.654500	**482818.3448**	ug/L
ê	Mg	24	858	29031122	131400	0.5	27.156746	**478857.7454**	ug/L
ê	Al	27	1948	41061643	1330952	3.2	38.405409	**449903.1451**	ug/L
ê	Ca	44	4349	1585892	26868	1.7	1.479358	**512007.3596**	ug/L
ê>	Sc	45	1032693	1069064	12092	1.1	1069064.057962		ug/L
ê	Ti	47	37	84033	1152	1.4	0.078574	**10291.0328**	ug/L
ê	Ti	48	-161	781356	17230	2.2	0.731050	**10027.6434**	ug/L
ê	V	51	71	20548	358	1.7	0.019153	**224.0509**	ug/L
ê	Cr	52	13002	20691	246	1.2	0.006766	**99.8169**	ug/L
ê	Cr	53	54	1771	41	2.3	0.001604	**196.8697**	ug/L
ê	Mn	55	755	11319	49	0.4	0.009857	**110.6633**	ug/L
ê	Fe	54	128300	2422739	43116	1.8	2.142336	**490491.9945**	ug/L
ê	Fe	57	10493	977753	14338	1.5	0.904534	**502016.4066**	ug/L
ê	Co	59	44	16989	212	1.2	0.015849	**206.9783**	ug/L
ê	Ni	60	41	3184	101	3.2	0.002939	**175.6236**	ug/L
ë	Ni	62	107	810	32	4.0	0.000655	**269.6227**	ug/L
é	Cu	65	19	1962	27	1.4	0.002334	**109.1861**	ug/L
ê	Cu	63	45	4630	155	3.3	0.005507	**119.5498**	ug/L
ê	Zn	66	51	1072	25	2.4	0.001226	**131.7709**	ug/L
ê	Zn	68	308	899	17	1.9	0.000705	**112.4996**	ug/L
ê>	Ge	74	819922	832440	12835	1.5	832439.685256		ug/L
ë	As	75	-79	682	107	15.7	0.000916	**87.9637**	ug/L
é	Se	77	80	200	22	11.0	0.000136	**209.8814**	ug/L
ê	Se	82	6	82	18	22.2	0.000085	**98.7351**	ug/L
ê	Sr	88	123	363	15	4.0	0.000272	**1.5846**	ug/L
ê	Mo	95	13	174829	3429	2.0	0.194752	**9961.9063**	ug/L
ê	Mo	97	8	106713	1012	0.9	0.118895	**10170.2690**	ug/L
ê	Mo	98	20	273311	5741	2.1	0.304500	**10099.3869**	ug/L
ê	Ag	107	6	5988	182	3.0	0.006664	**108.1777**	ug/L
ê	Ag	109	6	7368	66	0.9	0.008203	**105.4332**	ug/L
ê	Cd	111	2	1078	38	3.5	0.001199	**64.2791**	ug/L
ê	Cd	114	27	2348	21	0.9	0.002587	**59.4340**	ug/L
ê>	In	115	923806	897587	11083	1.2	897586.557491		ug/L
ê	Sn	120	134	118	16	13.4	-0.000013	**-0.6703**	ug/L

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ê	Sb	121	22	271	21	7.6	0.000278	**5.0620**	ug/L
ë	Ba	138	58	310	5	1.6	0.000283	**1.2856**	ug/L
é>	Tm	169	787482	779699	8859	1.1	779699.382342		ug/L
ê	Tl	205	5	9	3	29.0	0.000005	**-0.0585**	ug/L
ë	Pb	208	36	322	24	7.3	0.000367	**1.6638**	ug/L
	C	13	39252	44647	330	0.7	5394.474204		ug/L
	202	202	3	11	3	23.6	7.333337		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	103.522
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	101.527
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	97.162
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	99.012
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV1

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 20:09:42
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCV1.109
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	5490	122	2.2	0.004896	**2.8693**	ug/L
ê	B	11	529	103856	1093	1.1	0.092100	**40.9904**	ug/L
ê	Na	23	10310	6160918	141881	2.3	5.482919	**313.0860**	ug/L
ê	Mg	24	858	3912464	74105	1.9	3.489565	**303.9083**	ug/L
ê	Al	27	1948	639421	18161	2.8	0.568631	**33.0367**	ug/L
ê	Ca	44	4349	420992	9766	2.3	0.371197	**639.7674**	ug/L
ê>	Sc	45	1032693	1121920	32488	2.9	1121920.074609		ug/L
ê	Ti	47	37	6894	95	1.4	0.006111	**3.9962**	ug/L
ê	Ti	48	-161	67797	1746	2.6	0.060623	**4.1530**	ug/L
ê	V	51	71	57540	1103	1.9	0.051235	**2.9940**	ug/L
ê	Cr	52	13002	61361	238	0.4	0.042129	**3.0818**	ug/L
ê	Cr	53	54	5558	68	1.2	0.004904	**3.0298**	ug/L
ê	Mn	55	755	26831	194	0.7	0.023194	**1.3123**	ug/L
ê	Fe	54	128300	245368	1040	0.4	0.094579	**106.4159**	ug/L
ê	Fe	57	10493	53599	1642	3.1	0.037670	**104.6427**	ug/L
ê	Co	59	44	34867	519	1.5	0.031061	**2.0322**	ug/L
ê	Ni	60	41	15178	83	0.5	0.013498	**4.0986**	ug/L
ë	Ni	62	107	2400	18	0.7	0.002037	**4.1491**	ug/L
é	Cu	65	19	9291	355	3.8	0.010370	**2.4476**	ug/L
ê	Cu	63	45	20219	270	1.3	0.022569	**2.4629**	ug/L
ê	Zn	66	51	6931	87	1.3	0.007693	**4.1643**	ug/L
ê	Zn	68	308	4965	76	1.5	0.005181	**4.0369**	ug/L
ê>	Ge	74	819922	893763	16547	1.9	893763.209677		ug/L
ë	As	75	-79	10149	270	2.7	0.011450	**5.3170**	ug/L
é	Se	77	80	1374	12	0.9	0.001345	**10.5344**	ug/L
ê	Se	82	6	1811	47	2.6	0.001880	**10.0466**	ug/L
ê	Sr	88	123	24453	422	1.7	0.025339	**1.0306**	ug/L
ê	Mo	95	13	2211	36	1.6	0.002288	**0.5882**	ug/L
ê	Mo	97	8	1373	23	1.7	0.001421	**0.6084**	ug/L
ê	Mo	98	20	3585	77	2.2	0.003713	**0.6138**	ug/L
ê	Ag	107	6	5426	89	1.6	0.005645	**0.4579**	ug/L
ê	Ag	109	6	6520	52	0.8	0.006786	**0.4357**	ug/L
ê	Cd	111	2	1426	58	4.1	0.001483	**0.3975**	ug/L
ê	Cd	114	27	3270	18	0.6	0.003376	**0.3874**	ug/L
ê>	In	115	923806	960116	12485	1.3	960116.153407		ug/L
ê	Sn	120	134	45500	189	0.4	0.047249	**2.8921**	ug/L

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ê	Sb	121	22	4245	22	0.5	0.004398	**0.3920**	ug/L
ë	Ba	138	58	34255	261	0.8	0.035617	**0.9486**	ug/L
é>	Tm	169	787482	806734	4077	0.5	806733.863430		ug/L
ê	Tl	205	5	5048	60	1.2	0.006250	**0.2034**	ug/L
ë	Pb	208	36	16306	90	0.6	0.020166	**0.5096**	ug/L
	C	13	39252	43068	437	1.0	3816.308897		ug/L
	202	202	3	6	1	16.7	2.666668		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	108.640
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	109.006
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	103.930
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	102.445
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB1

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 20:13:56
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCB1.110
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	9	7	83.5	0.000006	**-0.0015**	ug/L
ê	B	11	529	1062	60	5.6	0.000419	**0.0911**	ug/L
ê	Na	23	10310	30460	25427	83.5	0.016576	**-4.4235**	ug/L
ê	Mg	24	858	2912	2942	101.0	0.001703	**-4.1536**	ug/L
ê	Al	27	1948	2902	445	15.3	0.000654	**-0.2354**	ug/L
ê	Ca	44	4349	4786	260	5.4	-0.000017	**-3.4890**	ug/L
ê>	Sc	45	1032693	1141024	20601	1.8	1141023.630350		ug/L
ê	Ti	47	37	54	14	25.3	0.000011	**0.0010**	ug/L
ê	Ti	48	-161	73	37	51.1	0.000219	**0.0098**	ug/L
ê	V	51	71	234	37	15.8	0.000136	**0.0096**	ug/L
ê	Cr	52	13002	13597	235	1.7	-0.000671	**-0.0441**	ug/L
ê	Cr	53	54	105	16	14.9	0.000040	**0.0149**	ug/L
ê	Mn	55	755	870	19	2.2	0.000031	**-0.0059**	ug/L
ê	Fe	54	128300	140877	1014	0.7	-0.000741	**-2.7885**	ug/L
ê	Fe	57	10493	11108	163	1.5	-0.000422	**-1.0580**	ug/L
ê	Co	59	44	58	13	22.0	0.000007	**-0.0037**	ug/L
ê	Ni	60	41	41	7	17.1	-0.000003	**-0.0192**	ug/L
ë	Ni	62	107	109	5	4.1	-0.000007	**0.0071**	ug/L
é	Cu	65	19	52	26	49.1	0.000034	**0.0016**	ug/L
ê	Cu	63	45	114	35	30.8	0.000073	**0.0038**	ug/L
ê	Zn	66	51	62	9	14.6	0.000007	**-0.0021**	ug/L
ê	Zn	68	308	329	15	4.7	-0.000010	**0.0079**	ug/L
ê>	Ge	74	819922	899356	1115	0.1	899355.524923		ug/L
ë	As	75	-79	-118	27	22.8	-0.000035	**-0.0005**	ug/L
é	Se	77	80	92	9	9.8	0.000009	**0.0473**	ug/L
ê	Se	82	6	-1	5	347.6	-0.000008	**0.0006**	ug/L
ê	Sr	88	123	128	9	6.8	-0.000001	**-0.0032**	ug/L
ê	Mo	95	13	17	2	8.8	0.000003	**0.0039**	ug/L
ê	Mo	97	8	9	1	11.1	0.000000	**0.0007**	ug/L
ê	Mo	98	20	21	3	13.2	0.000000	**-0.0019**	ug/L
ê	Ag	107	6	13	3	19.9	0.000006	**-0.0019**	ug/L
ê	Ag	109	6	11	4	35.5	0.000005	**-0.0017**	ug/L
ê	Cd	111	2	3	3	86.6	0.000002	**0.0015**	ug/L
ê	Cd	114	27	27	8	30.8	-0.000001	**0.0016**	ug/L
ê>	In	115	923806	969496	17020	1.8	969496.452651		ug/L
ê	Sn	120	134	202	18	8.8	0.000064	**0.0014**	ug/L

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ê	Sb	121	22	34	10	29.4	0.000011	**0.0015**	ug/L
ë	Ba	138	58	99	63	64.3	0.000039	**-0.0001**	ug/L
é>	Tm	169	787482	799702	8541	1.1	799701.760873		ug/L
ê	Tl	205	5	6	4	72.6	0.000001	**-0.0004**	ug/L
ë	Pb	208	36	53	12	22.9	0.000020	**-0.0005**	ug/L
	C	13	39252	42842	558	1.3	3589.631655		ug/L
	202	202	3	5	4	75.8	2.000001		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	110.490
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	109.688
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	104.946
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	101.552
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV2

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 20:44:33
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCV2.117
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	5413	50	0.9	0.004982	**2.9195**	ug/L
ê	B	11	529	105170	1965	1.9	0.096328	**42.8766**	ug/L
ê	Na	23	10310	5896773	95365	1.6	5.418866	**309.3655**	ug/L
ê	Mg	24	858	3749392	15856	0.4	3.450929	**300.4958**	ug/L
ê	Al	27	1948	613184	11944	1.9	0.562688	**32.6886**	ug/L
ê	Ca	44	4349	417473	5897	1.4	0.380041	**655.0925**	ug/L
ê>	Sc	45	1032693	1086539	21036	1.9	1086538.957138		ug/L
ê	Ti	47	37	6656	115	1.7	0.006090	**3.9824**	ug/L
ê	Ti	48	-161	63931	2583	4.0	0.058987	**4.0408**	ug/L
ê	V	51	71	56673	734	1.3	0.052103	**3.0446**	ug/L
ê	Cr	52	13002	60171	1577	2.6	0.042799	**3.1307**	ug/L
ê	Cr	53	54	5606	96	1.7	0.005108	**3.1562**	ug/L
ê	Mn	55	755	26155	318	1.2	0.023347	**1.3210**	ug/L
ê	Fe	54	128300	237610	10815	4.6	0.094561	**106.3956**	ug/L
ê	Fe	57	10493	53832	1544	2.9	0.039412	**109.4775**	ug/L
ê	Co	59	44	35750	227	0.6	0.032870	**2.1509**	ug/L
ê	Ni	60	41	15151	191	1.3	0.013910	**4.2244**	ug/L
ë	Ni	62	107	2282	51	2.2	0.001997	**4.0671**	ug/L
é	Cu	65	19	8987	123	1.4	0.010005	**2.3613**	ug/L
ê	Cu	63	45	19466	456	2.3	0.021663	**2.3638**	ug/L
ê	Zn	66	51	6876	213	3.1	0.007608	**4.1184**	ug/L
ê	Zn	68	308	4989	154	3.1	0.005191	**4.0444**	ug/L
ê>	Ge	74	819922	896275	8951	1.0	896275.026300		ug/L
ë	As	75	-79	10127	246	2.4	0.011395	**5.2914**	ug/L
é	Se	77	80	1383	20	1.5	0.001432	**11.2202**	ug/L
ê	Se	82	6	1800	35	2.0	0.001970	**10.5290**	ug/L
ê	Sr	88	123	25005	231	0.9	0.027330	**1.1118**	ug/L
ê	Mo	95	13	2325	57	2.4	0.002539	**0.6523**	ug/L
ê	Mo	97	8	1373	46	3.4	0.001499	**0.6419**	ug/L
ê	Mo	98	20	3766	135	3.6	0.004115	**0.6804**	ug/L
ê	Ag	107	6	5543	52	0.9	0.006081	**0.4933**	ug/L
ê	Ag	109	6	6500	110	1.7	0.007132	**0.4581**	ug/L
ê	Cd	111	2	1324	26	1.9	0.001453	**0.3893**	ug/L
ê	Cd	114	27	3095	67	2.2	0.003369	**0.3866**	ug/L
ê>	In	115	923806	910520	4895	0.5	910519.992742		ug/L
ê	Sn	120	134	44287	521	1.2	0.048497	**2.9686**	ug/L

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ê	Sb	121	22	4124	139	3.4	0.004506	**0.4016**	ug/L
ë	Ba	138	58	32743	571	1.7	0.035896	**0.9560**	ug/L
é>	Tm	169	787482	773703	2182	0.3	773702.584417		ug/L
ê	Tl	205	5	4762	90	1.9	0.006149	**0.2001**	ug/L
ë	Pb	208	36	15860	89	0.6	0.020453	**0.5169**	ug/L
	C	13	39252	38971	478	1.2	-281.431062		ug/L
	202	202	3	2339	1105	47.3	2335.219891		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	105.214
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	109.312
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	98.562
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	98.250
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB2

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 20:48:47
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCB2.118
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	5	1	21.7	0.000003	**-0.0031**	ug/L
ê	B	11	529	3534	345	9.8	0.002722	**1.1186**	ug/L
ê	Na	23	10310	13347	206	1.5	0.002251	**-5.2555**	ug/L
ê	Mg	24	858	1159	118	10.2	0.000233	**-4.2835**	ug/L
ê	Al	27	1948	2439	201	8.3	0.000351	**-0.2531**	ug/L
ê	Ca	44	4349	4935	90	1.8	0.000311	**-2.9198**	ug/L
ê>	Sc	45	1032693	1091350	25417	2.3	1091349.618707		ug/L
ê	Ti	47	37	56	7	13.2	0.000015	**0.0036**	ug/L
ê	Ti	48	-161	-206	17	8.0	-0.000034	**-0.0075**	ug/L
ê	V	51	71	68	9	13.8	-0.000006	**0.0013**	ug/L
ê	Cr	52	13002	12587	811	6.4	-0.001063	**-0.0728**	ug/L
ê	Cr	53	54	69	7	10.5	0.000011	**-0.0032**	ug/L
ê	Mn	55	755	842	15	1.8	0.000040	**-0.0053**	ug/L
ê	Fe	54	128300	133744	2198	1.6	-0.001641	**-3.8192**	ug/L
ê	Fe	57	10493	11617	526	4.5	0.000482	**1.4509**	ug/L
ê	Co	59	44	57	6	10.0	0.000009	**-0.0036**	ug/L
ê	Ni	60	41	44	8	17.9	0.000001	**-0.0180**	ug/L
ë	Ni	62	107	93	3	2.8	-0.000018	**-0.0144**	ug/L
é	Cu	65	19	26	5	20.4	0.000006	**-0.0051**	ug/L
ê	Cu	63	45	83	9	10.2	0.000040	**0.0001**	ug/L
ê	Zn	66	51	65	4	6.4	0.000010	**-0.0001**	ug/L
ê	Zn	68	308	304	14	4.6	-0.000032	**-0.0094**	ug/L
ê>	Ge	74	819922	885830	5566	0.6	885830.083290		ug/L
ë	As	75	-79	-166	12	7.0	-0.000092	**-0.0266**	ug/L
é	Se	77	80	103	3	3.1	0.000025	**0.1788**	ug/L
ê	Se	82	6	-2	9	459.5	-0.000008	**-0.0033**	ug/L
ê	Sr	88	123	117	19	16.0	-0.000005	**-0.0034**	ug/L
ê	Mo	95	13	12	5	38.2	-0.000001	**0.0027**	ug/L
ê	Mo	97	8	7	2	28.6	-0.000001	**0.0000**	ug/L
ê	Mo	98	20	25	6	23.6	0.000006	**-0.0009**	ug/L
ê	Ag	107	6	7	2	28.6	0.000001	**-0.0024**	ug/L
ê	Ag	109	6	8	2	25.0	0.000003	**-0.0018**	ug/L
ê	Cd	111	2	2	2	86.6	0.000000	**0.0012**	ug/L
ê	Cd	114	27	20	2	9.1	-0.000007	**0.0009**	ug/L
ê>	In	115	923806	916259	10090	1.1	916259.397445		ug/L
ê	Sn	120	134	163	6	3.7	0.000034	**-0.0005**	ug/L

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ê	Sb	121	22	22	3	14.1	-0.000001	**0.0005**	ug/L
ë	Ba	138	58	55	4	6.3	-0.000002	**-0.0012**	ug/L
é>	Tm	169	787482	772303	4828	0.6	772303.230297		ug/L
ê	Tl	205	5	1	1	86.6	-0.000005	**-0.0006**	ug/L
ë	Pb	208	36	35	4	9.9	-0.000000	**-0.0010**	ug/L
	C	13	39252	40106	646	1.6	853.374244		ug/L
	202	202	3	1004	67	6.6	1000.368695		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	Ca	44	
|>	Sc	45	105.680
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	108.038
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	99.183
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	98.072
|	Tl	205	
⌊	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV3

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 21:27:17
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCV3.127
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	5036	35	0.7	0.004825	**2.8273**	ug/L
ê	B	11	529	93428	1006	1.1	0.089037	**39.6240**	ug/L
ê	Na	23	10310	5368163	104046	1.9	5.135362	**292.8983**	ug/L
ê	Mg	24	858	3415211	76828	2.2	3.272767	**284.7599**	ug/L
ê	Al	27	1948	547817	8555	1.6	0.523198	**30.3752**	ug/L
ê	Ca	44	4349	391270	2420	0.6	0.370803	**639.0846**	ug/L
ê>	Sc	45	1032693	1043343	4809	0.5	1043342.970760		ug/L
ê	Ti	47	37	6364	112	1.8	0.006063	**3.9648**	ug/L
ê	Ti	48	-161	61601	1365	2.2	0.059200	**4.0554**	ug/L
ê	V	51	71	53563	808	1.5	0.051272	**2.9961**	ug/L
ê	Cr	52	13002	56811	463	0.8	0.041861	**3.0623**	ug/L
ê	Cr	53	54	5195	110	2.1	0.004927	**3.0442**	ug/L
ê	Mn	55	755	25003	298	1.2	0.023234	**1.3145**	ug/L
ê	Fe	54	128300	224850	1888	0.8	0.091272	**102.6274**	ug/L
ê	Fe	57	10493	49353	299	0.6	0.037143	**103.1805**	ug/L
ê	Co	59	44	33648	190	0.6	0.032208	**2.1074**	ug/L
ê	Ni	60	41	14505	93	0.6	0.013862	**4.2097**	ug/L
ë	Ni	62	107	2293	48	2.1	0.002095	**4.2647**	ug/L
é	Cu	65	19	8648	107	1.2	0.009930	**2.3435**	ug/L
ê	Cu	63	45	18654	252	1.4	0.021414	**2.3366**	ug/L
ê	Zn	66	51	6622	126	1.9	0.007559	**4.0914**	ug/L
ê	Zn	68	308	4871	35	0.7	0.005230	**4.0754**	ug/L
ê>	Ge	74	819922	868904	1996	0.2	868903.622026		ug/L
ë	As	75	-79	10232	114	1.1	0.011872	**5.5124**	ug/L
é	Se	77	80	1297	25	1.9	0.001463	**11.4635**	ug/L
ê	Se	82	6	1833	28	1.5	0.002184	**11.6665**	ug/L
ê	Sr	88	123	24342	244	1.0	0.028957	**1.1782**	ug/L
ê	Mo	95	13	2415	62	2.6	0.002872	**0.7376**	ug/L
ê	Mo	97	8	1401	52	3.7	0.001665	**0.7127**	ug/L
ê	Mo	98	20	3665	105	2.9	0.004358	**0.7208**	ug/L
ê	Ag	107	6	5457	152	2.8	0.006514	**0.5286**	ug/L
ê	Ag	109	6	6018	85	1.4	0.007185	**0.4615**	ug/L
ê	Cd	111	2	1239	44	3.5	0.001479	**0.3964**	ug/L
ê	Cd	114	27	2892	49	1.7	0.003427	**0.3931**	ug/L
ê>	In	115	923806	836783	6255	0.7	836782.693197		ug/L
ê	Sn	120	134	40525	370	0.9	0.048285	**2.9556**	ug/L

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ê	Sb	121	22	3844	40	1.0	0.004570	**0.4073**	ug/L
ë	Ba	138	58	29285	39	0.1	0.034936	**0.9304**	ug/L
é>	Tm	169	787482	690392	3568	0.5	690391.772675		ug/L
ê	Tl	205	5	4287	49	1.1	0.006203	**0.2019**	ug/L
ë	Pb	208	36	14403	231	1.6	0.020816	**0.5261**	ug/L
	C	13	39252	35717	235	0.7	-3535.257488		ug/L
	202	202	3	384	30	7.9	381.005191		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	Ca	44	
|>	Sc	45	101.031
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	105.974
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	90.580
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	87.671
|	Tl	205	
⌊	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB3

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 21:31:31
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCB3.128
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	4	3	78.7	0.000002	**-0.0039**	ug/L
ê	B	11	529	2689	223	8.3	0.002044	**0.8160**	ug/L
ê	Na	23	10310	11957	79	0.7	0.001376	**-5.3063**	ug/L
ê	Mg	24	858	933	143	15.3	0.000057	**-4.2990**	ug/L
ê	Al	27	1948	2158	96	4.4	0.000163	**-0.2642**	ug/L
ê	Ca	44	4349	6042	46	0.8	0.001528	**-0.8114**	ug/L
ê>	Sc	45	1032693	1052667	11353	1.1	1052666.631202		ug/L
ê	Ti	47	37	50	11	22.0	0.000012	**0.0016**	ug/L
ê	Ti	48	-161	-375	9	2.4	-0.000200	**-0.0190**	ug/L
ê	V	51	71	46	3	5.8	-0.000025	**0.0002**	ug/L
ê	Cr	52	13002	11697	205	1.8	-0.001477	**-0.1030**	ug/L
ê	Cr	53	54	52	6	11.2	-0.000003	**-0.0121**	ug/L
ê	Mn	55	755	712	16	2.3	-0.000055	**-0.0108**	ug/L
ê	Fe	54	128300	125418	355	0.3	-0.005084	**-7.7636**	ug/L
ê	Fe	57	10493	9312	89	1.0	-0.001314	**-3.5322**	ug/L
ê	Co	59	44	49	6	12.9	0.000004	**-0.0039**	ug/L
ê	Ni	60	41	41	13	32.7	-0.000000	**-0.0183**	ug/L
ë	Ni	62	107	135	11	7.8	0.000025	**0.0727**	ug/L
é	Cu	65	19	25	5	19.9	0.000006	**-0.0051**	ug/L
ê	Cu	63	45	57	10	16.8	0.000011	**-0.0030**	ug/L
ê	Zn	66	51	53	10	18.6	-0.000001	**-0.0064**	ug/L
ê	Zn	68	308	292	11	3.6	-0.000038	**-0.0139**	ug/L
ê>	Ge	74	819922	864311	11432	1.3	864310.902391		ug/L
ë	As	75	-79	-64	30	46.2	0.000022	**0.0258**	ug/L
é	Se	77	80	79	6	7.7	0.000007	**0.0321**	ug/L
ê	Se	82	6	7	1	14.6	0.000002	**0.0501**	ug/L
ê	Sr	88	123	93	9	9.2	-0.000022	**-0.0041**	ug/L
ê	Mo	95	13	17	6	36.2	0.000005	**0.0044**	ug/L
ê	Mo	97	8	5	2	28.6	-0.000003	**-0.0005**	ug/L
ê	Mo	98	20	23	2	10.1	0.000006	**-0.0010**	ug/L
ê	Ag	107	6	6	2	40.8	-0.000000	**-0.0025**	ug/L
ê	Ag	109	6	5	5	96.2	-0.000000	**-0.0020**	ug/L
ê	Cd	111	2	2	2	99.0	0.000001	**0.0013**	ug/L
ê	Cd	114	27	23	3	11.4	-0.000002	**0.0015**	ug/L
ê>	In	115	923806	842944	9879	1.2	842944.142077		ug/L
ê	Sn	120	134	138	15	10.9	0.000019	**-0.0014**	ug/L

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ê	Sb	121	22	14	1	7.1	-0.000008	**-0.0001**	ug/L
ë	Ba	138	58	51	12	23.6	-0.000003	**-0.0012**	ug/L
é>	Tm	169	787482	696570	13357	1.9	696569.691426		ug/L
ê	Tl	205	5	3	1	34.6	-0.000002	**-0.0005**	ug/L
ë	Pb	208	36	34	7	21.9	0.000002	**-0.0009**	ug/L
	C	13	39252	35717	522	1.5	-3535.586588		ug/L
	202	202	3	326	31	9.6	322.337068		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	101.934
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	105.414
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	91.247
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	88.455
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV4

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 22:01:33
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCV4.135
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	4823	30	0.6	0.004785	**2.8040**	ug/L
ê	B	11	529	91017	2147	2.4	0.089814	**39.9707**	ug/L
ê	Na	23	10310	5290052	80508	1.5	5.239920	**298.9715**	ug/L
ê	Mg	24	858	3335773	112831	3.4	3.310027	**288.0508**	ug/L
ê	Al	27	1948	534095	6516	1.2	0.528168	**30.6664**	ug/L
ê	Ca	44	4349	386646	2972	0.8	0.379473	**654.1078**	ug/L
ê>	Sc	45	1032693	1007753	11730	1.2	1007752.685742		ug/L
ê	Ti	47	37	6129	21	0.3	0.006046	**3.9536**	ug/L
ê	Ti	48	-161	59649	2588	4.3	0.059369	**4.0670**	ug/L
ê	V	51	71	53334	922	1.7	0.052867	**3.0893**	ug/L
ê	Cr	52	13002	56013	1300	2.3	0.043005	**3.1458**	ug/L
ê	Cr	53	54	5094	55	1.1	0.005003	**3.0910**	ug/L
ê	Mn	55	755	24703	737	3.0	0.023786	**1.3459**	ug/L
ê	Fe	54	128300	220570	2467	1.1	0.094672	**106.5230**	ug/L
ê	Fe	57	10493	49085	1108	2.3	0.038547	**107.0774**	ug/L
ê	Co	59	44	32811	720	2.2	0.032518	**2.1278**	ug/L
ê	Ni	60	41	14364	220	1.5	0.014215	**4.3171**	ug/L
ë	Ni	62	107	2212	18	0.8	0.002092	**4.2590**	ug/L
é	Cu	65	19	8441	302	3.6	0.009964	**2.3517**	ug/L
ê	Cu	63	45	18513	258	1.4	0.021850	**2.3842**	ug/L
ê	Zn	66	51	6489	78	1.2	0.007615	**4.1220**	ug/L
ê	Zn	68	308	4785	38	0.8	0.005286	**4.1184**	ug/L
ê>	Ge	74	819922	845226	3581	0.4	845226.078566		ug/L
ë	As	75	-79	9876	354	3.6	0.011782	**5.4706**	ug/L
é	Se	77	80	1297	32	2.4	0.001506	**11.7975**	ug/L
ê	Se	82	6	1797	38	2.1	0.002198	**11.7427**	ug/L
ê	Sr	88	123	23828	218	0.9	0.029106	**1.1843**	ug/L
ê	Mo	95	13	2285	20	0.9	0.002789	**0.7162**	ug/L
ê	Mo	97	8	1420	101	7.1	0.001733	**0.7419**	ug/L
ê	Mo	98	20	3802	45	1.2	0.004644	**0.7681**	ug/L
ê	Ag	107	6	5300	192	3.6	0.006496	**0.5273**	ug/L
ê	Ag	109	6	5857	29	0.5	0.007180	**0.4611**	ug/L
ê	Cd	111	2	1214	36	2.9	0.001488	**0.3987**	ug/L
ê	Cd	114	27	2824	28	1.0	0.003436	**0.3941**	ug/L
ê>	In	115	923806	814993	5475	0.7	814992.697696		ug/L
ê	Sn	120	134	39164	713	1.8	0.047911	**2.9327**	ug/L

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ê	Sb	121	22	3763	24	0.6	0.004593	**0.4094**	ug/L
ë	Ba	138	58	28206	627	2.2	0.034551	**0.9201**	ug/L
é>	Tm	169	787482	672018	8548	1.3	672018.328121		ug/L
ê	Tl	205	5	4290	57	1.3	0.006377	**0.2076**	ug/L
ë	Pb	208	36	14052	202	1.4	0.020866	**0.5273**	ug/L
	C	13	39252	34969	93	0.3	-4283.439474		ug/L
	202	202	3	153	10	6.3	149.667488		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	97.585
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	103.086
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	88.221
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	85.338
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB4

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 22:05:47
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCB4.136
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	3	3	88.2	0.000001	**-0.0042**	ug/L
ê	B	11	529	2609	396	15.2	0.002043	**0.8156**	ug/L
ê	Na	23	10310	12328	1559	12.6	0.002086	**-5.2651**	ug/L
ê	Mg	24	858	1568	1182	75.3	0.000700	**-4.2422**	ug/L
ê	Al	27	1948	2250	195	8.7	0.000319	**-0.2551**	ug/L
ê	Ca	44	4349	6473	260	4.0	0.002129	**0.2299**	ug/L
ê>	Sc	45	1032693	1020903	13603	1.3	1020902.915845		ug/L
ê	Ti	47	37	51	9	17.2	0.000014	**0.0028**	ug/L
ê	Ti	48	-161	-415	21	5.1	-0.000251	**-0.0224**	ug/L
ê	V	51	71	38	8	20.3	-0.000031	**-0.0001**	ug/L
ê	Cr	52	13002	11946	231	1.9	-0.000889	**-0.0600**	ug/L
ê	Cr	53	54	49	10	20.8	-0.000005	**-0.0129**	ug/L
ê	Mn	55	755	691	13	1.9	-0.000054	**-0.0107**	ug/L
ê	Fe	54	128300	124863	2158	1.7	-0.001935	**-4.1565**	ug/L
ê	Fe	57	10493	9114	346	3.8	-0.001233	**-3.3070**	ug/L
ê	Co	59	44	57	6	10.7	0.000013	**-0.0033**	ug/L
ê	Ni	60	41	37	5	13.8	-0.000003	**-0.0193**	ug/L
ë	Ni	62	107	142	6	4.0	0.000035	**0.0940**	ug/L
é	Cu	65	19	21	5	25.2	0.000001	**-0.0062**	ug/L
ê	Cu	63	45	52	9	17.6	0.000006	**-0.0035**	ug/L
ê	Zn	66	51	52	5	10.2	-0.000002	**-0.0066**	ug/L
ê	Zn	68	308	298	10	3.2	-0.000025	**-0.0037**	ug/L
ê>	Ge	74	819922	851157	15640	1.8	851156.738665		ug/L
ë	As	75	-79	-85	52	61.0	-0.000004	**0.0139**	ug/L
é	Se	77	80	78	9	11.2	0.000009	**0.0521**	ug/L
ê	Se	82	6	12	11	87.1	0.000009	**0.0863**	ug/L
ê	Sr	88	123	95	8	7.9	-0.000016	**-0.0038**	ug/L
ê	Mo	95	13	14	4	28.2	0.000003	**0.0039**	ug/L
ê	Mo	97	8	10	3	26.0	0.000003	**0.0018**	ug/L
ê	Mo	98	20	20	4	19.8	0.000004	**-0.0014**	ug/L
ê	Ag	107	6	6	1	9.1	0.000001	**-0.0024**	ug/L
ê	Ag	109	6	4	3	70.5	-0.000001	**-0.0020**	ug/L
ê	Cd	111	2	3	3	94.4	0.000001	**0.0015**	ug/L
ê	Cd	114	27	19	6	32.7	-0.000006	**0.0010**	ug/L
ê>	In	115	923806	814034	10235	1.3	814033.533297		ug/L
ê	Sn	120	134	128	9	7.3	0.000012	**-0.0018**	ug/L

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ê	Sb	121	22	22	7	29.1	0.000003	**0.0009**	ug/L
ë	Ba	138	58	60	7	11.5	0.000011	**-0.0008**	ug/L
é>	Tm	169	787482	674022	2335	0.3	674022.368911		ug/L
ê	Tl	205	5	3	2	66.7	-0.000002	**-0.0005**	ug/L
ë	Pb	208	36	33	2	5.2	0.000003	**-0.0009**	ug/L
	C	13	39252	34884	299	0.9	-4367.977240		ug/L
	202	202	3	134	10	7.5	131.000634		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	98.858
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	103.809
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	88.117
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	85.592
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV5

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 22:38:23
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCV5.143
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	4858	63	1.3	0.004803	**2.8147**	ug/L
ê	B	11	529	87645	1068	1.2	0.086190	**38.3540**	ug/L
ê	Na	23	10310	5173309	31604	0.6	5.107332	**291.2702**	ug/L
ê	Mg	24	858	3359424	46899	1.4	3.322397	**289.1433**	ug/L
ê	Al	27	1948	545860	4121	0.8	0.538062	**31.2460**	ug/L
ê	Ca	44	4349	377907	9996	2.6	0.369594	**636.9889**	ug/L
ê>	Sc	45	1032693	1011056	11389	1.1	1011056.123686		ug/L
ê	Ti	47	37	6082	75	1.2	0.005980	**3.9104**	ug/L
ê	Ti	48	-161	60714	1661	2.7	0.060215	**4.1250**	ug/L
ê	V	51	71	51598	1111	2.2	0.050962	**2.9781**	ug/L
ê	Cr	52	13002	55197	828	1.5	0.042005	**3.0728**	ug/L
ê	Cr	53	54	4919	68	1.4	0.004813	**2.9734**	ug/L
ê	Mn	55	755	23070	323	1.4	0.022085	**1.2492**	ug/L
ê	Fe	54	128300	212900	5815	2.7	0.086308	**96.9406**	ug/L
ê	Fe	57	10493	45788	735	1.6	0.035129	**97.5936**	ug/L
ê	Co	59	44	31333	78	0.2	0.030950	**2.0250**	ug/L
ê	Ni	60	41	13651	118	0.9	0.013463	**4.0877**	ug/L
ë	Ni	62	107	2126	92	4.3	0.002000	**4.0723**	ug/L
é	Cu	65	19	8277	122	1.5	0.010239	**2.4169**	ug/L
ê	Cu	63	45	17539	115	0.7	0.021696	**2.3674**	ug/L
ê	Zn	66	51	6263	112	1.8	0.007703	**4.1697**	ug/L
ê	Zn	68	308	4517	45	1.0	0.005226	**4.0723**	ug/L
ê>	Ge	74	819922	806513	9796	1.2	806513.287069		ug/L
ë	As	75	-79	9336	88	0.9	0.011672	**5.4195**	ug/L
é	Se	77	80	1212	16	1.3	0.001366	**10.7041**	ug/L
ê	Se	82	6	1637	54	3.3	0.001957	**10.4563**	ug/L
ê	Sr	88	123	22619	249	1.1	0.026985	**1.0977**	ug/L
ê	Mo	95	13	2129	33	1.6	0.002539	**0.6524**	ug/L
ê	Mo	97	8	1300	34	2.6	0.001550	**0.6637**	ug/L
ê	Mo	98	20	3430	66	1.9	0.004090	**0.6763**	ug/L
ê	Ag	107	6	4872	108	2.2	0.005836	**0.4734**	ug/L
ê	Ag	109	6	5856	91	1.5	0.007015	**0.4505**	ug/L
ê	Cd	111	2	1230	49	4.0	0.001472	**0.3945**	ug/L
ê	Cd	114	27	2905	142	4.9	0.003454	**0.3963**	ug/L
ê>	In	115	923806	834106	7767	0.9	834105.525380		ug/L
ê	Sn	120	134	40673	773	1.9	0.048619	**2.9761**	ug/L

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ê	Sb	121	22	3893	87	2.2	0.004643	**0.4138**	ug/L
ë	Ba	138	58	30588	659	2.2	0.036606	**0.9749**	ug/L
é>	Tm	169	787482	684877	5049	0.7	684877.228195		ug/L
ê	Tl	205	5	4368	112	2.6	0.006372	**0.2074**	ug/L
ë	Pb	208	36	14156	66	0.5	0.020625	**0.5212**	ug/L
	C	13	39252	37604	763	2.0	-1648.078253		ug/L
	202	202	3	7	3	37.8	3.666668		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	97.905
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	98.365
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	90.290
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	86.970
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB5

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 22:42:38
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCB5.144
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	2	2	91.7	0.000000	**-0.0050**	ug/L
ê	B	11	529	1007	33	3.3	0.000473	**0.1150**	ug/L
ê	Na	23	10310	165969	2727	1.6	0.152289	**3.4594**	ug/L
ê	Mg	24	858	591	53	9.0	-0.000253	**-4.3264**	ug/L
ê	Al	27	1948	1568	44	2.8	-0.000354	**-0.2944**	ug/L
ê	Ca	44	4349	5541	56	1.0	0.001206	**-1.3699**	ug/L
ê>	Sc	45	1032693	1022949	11272	1.1	1022948.536987		ug/L
ê	Ti	47	37	46	1	1.2	0.000009	**-0.0001**	ug/L
ê	Ti	48	-161	-228	9	4.0	-0.000067	**-0.0098**	ug/L
ê	V	51	71	62	4	6.6	-0.000008	**0.0012**	ug/L
ê	Cr	52	13002	11688	152	1.3	-0.001164	**-0.0801**	ug/L
ê	Cr	53	54	51	14	26.5	-0.000002	**-0.0114**	ug/L
ê	Mn	55	755	697	16	2.3	-0.000050	**-0.0105**	ug/L
ê	Fe	54	128300	120104	1989	1.7	-0.006829	**-9.7631**	ug/L
ê	Fe	57	10493	8771	239	2.7	-0.001588	**-4.2927**	ug/L
ê	Co	59	44	50	6	11.1	0.000006	**-0.0038**	ug/L
ê	Ni	60	41	43	1	2.4	0.000002	**-0.0175**	ug/L
ë	Ni	62	107	96	6	5.8	-0.000009	**0.0030**	ug/L
é	Cu	65	19	23	6	26.1	0.000004	**-0.0054**	ug/L
ê	Cu	63	45	55	13	24.5	0.000013	**-0.0028**	ug/L
ê	Zn	66	51	58	8	14.0	0.000008	**-0.0014**	ug/L
ê	Zn	68	308	292	8	2.9	-0.000019	**0.0008**	ug/L
ê>	Ge	74	819922	818725	16488	2.0	818724.801416		ug/L
ë	As	75	-79	-66	47	71.9	0.000015	**0.0229**	ug/L
é	Se	77	80	75	11	15.2	0.000002	**-0.0031**	ug/L
ê	Se	82	6	12	6	53.4	0.000008	**0.0849**	ug/L
ê	Sr	88	123	104	17	16.4	-0.000009	**-0.0035**	ug/L
ê	Mo	95	13	11	2	18.4	-0.000001	**0.0028**	ug/L
ê	Mo	97	8	9	2	16.4	0.000002	**0.0015**	ug/L
ê	Mo	98	20	11	3	22.4	-0.000008	**-0.0033**	ug/L
ê	Ag	107	6	8	1	7.5	0.000002	**-0.0023**	ug/L
ê	Ag	109	6	5	2	28.6	-0.000000	**-0.0020**	ug/L
ê	Cd	111	2	1	1	173.2	-0.000001	**0.0008**	ug/L
ê	Cd	114	27	22	2	8.7	-0.000003	**0.0013**	ug/L
ê>	In	115	923806	839122	14125	1.7	839121.504030		ug/L
ê	Sn	120	134	120	5	4.3	-0.000002	**-0.0027**	ug/L

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ê	Sb	121	22	17	4	25.6	-0.000004	**0.0002**	ug/L
ë	Ba	138	58	43	13	29.4	-0.000011	**-0.0014**	ug/L
é>	Tm	169	787482	693962	6534	0.9	693962.335548		ug/L
ê	Tl	205	5	2	1	50.0	-0.000003	**-0.0006**	ug/L
ë	Pb	208	36	26	2	5.8	-0.000008	**-0.0012**	ug/L
	C	13	39252	36417	151	0.4	-2835.494901		ug/L
	202	202	3	12	5	38.7	8.333338		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	99.056
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	99.854
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	90.833
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	88.124
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV6

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 23:20:56
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCV6.153
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	4996	118	2.4	0.004894	**2.8680**	ug/L
ê	B	11	529	90618	841	0.9	0.088285	**39.2886**	ug/L
ê	Na	23	10310	5454251	50307	0.9	5.334617	**304.4719**	ug/L
ê	Mg	24	858	3476475	38457	1.1	3.405999	**296.5275**	ug/L
ê	Al	27	1948	570451	6464	1.1	0.557163	**32.3649**	ug/L
ê	Ca	44	4349	380317	7626	2.0	0.368451	**635.0081**	ug/L
ê>	Sc	45	1032693	1020659	18069	1.8	1020659.016229		ug/L
ê	Ti	47	37	6228	184	3.0	0.006065	**3.9664**	ug/L
ê	Ti	48	-161	61237	2519	4.1	0.060153	**4.1207**	ug/L
ê	V	51	71	52987	491	0.9	0.051856	**3.0303**	ug/L
ê	Cr	52	13002	55860	1368	2.4	0.042139	**3.0825**	ug/L
ê	Cr	53	54	5170	26	0.5	0.005014	**3.0977**	ug/L
ê	Mn	55	755	23904	123	0.5	0.022693	**1.2838**	ug/L
ê	Fe	54	128300	220838	4956	2.2	0.092192	**103.6813**	ug/L
ê	Fe	57	10493	46987	434	0.9	0.035889	**99.7006**	ug/L
ê	Co	59	44	32328	263	0.8	0.031636	**2.0699**	ug/L
ê	Ni	60	41	14096	198	1.4	0.013776	**4.1833**	ug/L
ë	Ni	62	107	2251	49	2.2	0.002103	**4.2815**	ug/L
é	Cu	65	19	8635	181	2.1	0.010320	**2.4358**	ug/L
ê	Cu	63	45	18285	142	0.8	0.021849	**2.3841**	ug/L
ê	Zn	66	51	6342	44	0.7	0.007535	**4.0787**	ug/L
ê	Zn	68	308	4646	29	0.6	0.005191	**4.0446**	ug/L
ê>	Ge	74	819922	834809	4022	0.5	834808.935775		ug/L
ë	As	75	-79	9839	320	3.2	0.011880	**5.5161**	ug/L
é	Se	77	80	1227	15	1.2	0.001326	**10.3917**	ug/L
ê	Se	82	6	1760	26	1.5	0.002021	**10.7995**	ug/L
ê	Sr	88	123	23418	754	3.2	0.026838	**1.0917**	ug/L
ê	Mo	95	13	2190	28	1.3	0.002507	**0.6443**	ug/L
ê	Mo	97	8	1380	34	2.5	0.001580	**0.6764**	ug/L
ê	Mo	98	20	3693	48	1.3	0.004231	**0.6997**	ug/L
ê	Ag	107	6	5156	77	1.5	0.005930	**0.4811**	ug/L
ê	Ag	109	6	5992	65	1.1	0.006893	**0.4426**	ug/L
ê	Cd	111	2	1292	50	3.9	0.001486	**0.3982**	ug/L
ê	Cd	114	27	2972	59	2.0	0.003392	**0.3892**	ug/L
ê>	In	115	923806	868487	8257	1.0	868487.460684		ug/L
ê	Sn	120	134	41888	514	1.2	0.048091	**2.9437**	ug/L

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ê	Sb	121	22	3989	81	2.0	0.004569	**0.4072**	ug/L
ë	Ba	138	58	30837	298	1.0	0.035446	**0.9440**	ug/L
é>	Tm	169	787482	707319	5102	0.7	707319.402109		ug/L
ê	Tl	205	5	4540	134	2.9	0.006412	**0.2087**	ug/L
ë	Pb	208	36	14736	64	0.4	0.020788	**0.5254**	ug/L
	C	13	39252	37457	658	1.8	-1794.799781		ug/L
	202	202	3	8	5	54.1	5.000002		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	98.835
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	101.816
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	94.012
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	89.820
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB6

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 23:25:11
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCB6.154
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	3	1	17.3	0.000002	**-0.0040**	ug/L
ê	B	11	529	760	50	6.5	0.000234	**0.0084**	ug/L
ê	Na	23	10310	170374	3031	1.8	0.157294	**3.7501**	ug/L
ê	Mg	24	858	724	223	30.8	-0.000117	**-4.3144**	ug/L
ê	Al	27	1948	1563	98	6.2	-0.000351	**-0.2943**	ug/L
ê	Ca	44	4349	5230	77	1.5	0.000924	**-1.8589**	ug/L
ê>	Sc	45	1032693	1018544	20426	2.0	1018543.662377		ug/L
ê	Ti	47	37	44	9	19.4	0.000007	**-0.0014**	ug/L
ê	Ti	48	-161	-275	14	5.1	-0.000115	**-0.0131**	ug/L
ê	V	51	71	46	3	6.2	-0.000023	**0.0003**	ug/L
ê	Cr	52	13002	12203	112	0.9	-0.000607	**-0.0394**	ug/L
ê	Cr	53	54	52	8	15.8	-0.000001	**-0.0110**	ug/L
ê	Mn	55	755	704	22	3.1	-0.000040	**-0.0099**	ug/L
ê	Fe	54	128300	125115	2854	2.3	-0.001343	**-3.4783**	ug/L
ê	Fe	57	10493	9168	27	0.3	-0.001157	**-3.0976**	ug/L
ê	Co	59	44	46	5	10.3	0.000002	**-0.0040**	ug/L
ê	Ni	60	41	41	11	28.2	0.000000	**-0.0181**	ug/L
ë	Ni	62	107	105	12	11.9	-0.000000	**0.0222**	ug/L
é	Cu	65	19	17	4	21.2	-0.000003	**-0.0072**	ug/L
ê	Cu	63	45	46	8	18.1	0.000001	**-0.0041**	ug/L
ê	Zn	66	51	55	8	14.2	0.000003	**-0.0041**	ug/L
ê	Zn	68	308	301	21	7.1	-0.000016	**0.0031**	ug/L
ê>	Ge	74	819922	836530	10416	1.2	836530.357232		ug/L
ë	As	75	-79	-79	71	90.8	0.000002	**0.0167**	ug/L
é	Se	77	80	80	15	18.8	0.000006	**0.0299**	ug/L
ê	Se	82	6	13	8	57.5	0.000009	**0.0893**	ug/L
ê	Sr	88	123	99	13	13.5	-0.000018	**-0.0039**	ug/L
ê	Mo	95	13	9	2	16.4	-0.000004	**0.0021**	ug/L
ê	Mo	97	8	8	3	41.9	-0.000000	**0.0006**	ug/L
ê	Mo	98	20	15	3	22.8	-0.000003	**-0.0026**	ug/L
ê	Ag	107	6	5	1	21.7	-0.000001	**-0.0025**	ug/L
ê	Ag	109	6	5	1	24.7	-0.000001	**-0.0020**	ug/L
ê	Cd	111	2	5	3	54.1	0.000004	**0.0023**	ug/L
ê	Cd	114	27	23	7	31.8	-0.000003	**0.0014**	ug/L
ê>	In	115	923806	855477	9965	1.2	855476.549311		ug/L
ê	Sn	120	134	117	11	9.2	-0.000008	**-0.0030**	ug/L

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ê	Sb	121	22	19	2	8.2	-0.000002	**0.0004**	ug/L
ë	Ba	138	58	43	6	12.9	-0.000013	**-0.0014**	ug/L
é>	Tm	169	787482	709515	2593	0.4	709514.939045		ug/L
ê	Tl	205	5	2	1	49.5	-0.000003	**-0.0005**	ug/L
ë	Pb	208	36	30	2	6.7	-0.000004	**-0.0011**	ug/L
	C	13	39252	36502	344	0.9	-2749.941416		ug/L
	202	202	3	6	2	32.9	3.000001		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	98.630
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	102.026
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	92.603
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	90.099
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV7

Sample Description:
Batch ID:

Sample Date/Time: Thursday, April 10, 2014 23:59:11
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCV7.162
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	4898	53	1.1	0.004841	**2.8367**	ug/L
ê	B	11	529	88393	1886	2.1	0.086886	**38.6648**	ug/L
ê	Na	23	10310	5420009	95061	1.8	5.348962	**305.3052**	ug/L
ê	Mg	24	858	3444493	28693	0.8	3.404699	**296.4127**	ug/L
ê	Al	27	1948	546611	3449	0.6	0.538549	**31.2745**	ug/L
ê	Ca	44	4349	376826	6455	1.7	0.368337	**634.8112**	ug/L
ê>	Sc	45	1032693	1011450	4710	0.5	1011450.354892		ug/L
ê	Ti	47	37	5989	50	0.8	0.005885	**3.8485**	ug/L
ê	Ti	48	-161	56695	927	1.6	0.056212	**3.8505**	ug/L
ê	V	51	71	51302	359	0.7	0.050654	**2.9600**	ug/L
ê	Cr	52	13002	54247	1121	2.1	0.041046	**3.0027**	ug/L
ê	Cr	53	54	4987	171	3.4	0.004879	**3.0142**	ug/L
ê	Mn	55	755	23649	475	2.0	0.022651	**1.2814**	ug/L
ê	Fe	54	128300	216105	4864	2.3	0.089438	**100.5260**	ug/L
ê	Fe	57	10493	46306	1859	4.0	0.035627	**98.9756**	ug/L
ê	Co	59	44	32109	343	1.1	0.031704	**2.0744**	ug/L
ê	Ni	60	41	13975	365	2.6	0.013779	**4.1842**	ug/L
ë	Ni	62	107	2120	52	2.5	0.001993	**4.0591**	ug/L
é	Cu	65	19	8418	62	0.7	0.010356	**2.4444**	ug/L
ê	Cu	63	45	18288	186	1.0	0.022494	**2.4546**	ug/L
ê	Zn	66	51	6183	49	0.8	0.007562	**4.0932**	ug/L
ê	Zn	68	308	4494	195	4.3	0.005163	**4.0234**	ug/L
ê>	Ge	74	819922	811211	18403	2.3	811210.574294		ug/L
ë	As	75	-79	9363	102	1.1	0.011640	**5.4049**	ug/L
é	Se	77	80	1214	30	2.5	0.001334	**10.4498**	ug/L
ê	Se	82	6	1675	58	3.5	0.001954	**10.4437**	ug/L
ê	Sr	88	123	22567	312	1.4	0.026278	**1.0689**	ug/L
ê	Mo	95	13	2148	21	1.0	0.002499	**0.6422**	ug/L
ê	Mo	97	8	1339	16	1.2	0.001558	**0.6671**	ug/L
ê	Mo	98	20	3421	52	1.5	0.003982	**0.6584**	ug/L
ê	Ag	107	6	4843	83	1.7	0.005662	**0.4593**	ug/L
ê	Ag	109	6	5788	134	2.3	0.006765	**0.4344**	ug/L
ê	Cd	111	2	1231	66	5.3	0.001439	**0.3857**	ug/L
ê	Cd	114	27	3035	36	1.2	0.003522	**0.4040**	ug/L
ê>	In	115	923806	854624	13945	1.6	854623.741377		ug/L
ê	Sn	120	134	41141	238	0.6	0.048006	**2.9385**	ug/L

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ê	Sb	121	22	3885	64	1.6	0.004523	**0.4031**	ug/L
ë	Ba	138	58	31242	491	1.6	0.036506	**0.9722**	ug/L
é>	Tm	169	787482	709483	7034	1.0	709482.653729		ug/L
ê	Tl	205	5	4462	99	2.2	0.006283	**0.2045**	ug/L
ë	Pb	208	36	14609	264	1.8	0.020544	**0.5192**	ug/L
	C	13	39252	36905	169	0.5	-2347.244201		ug/L
	202	202	3	10	5	50.0	6.666670		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	97.943
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	98.938
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	92.511
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	90.095
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB7

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 00:03:26
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCB7.163
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	5	1	12.4	0.000003	**-0.0033**	ug/L
ê	B	11	529	646	51	7.8	0.000114	**-0.0449**	ug/L
ê	Na	23	10310	171571	3008	1.8	0.156511	**3.7046**	ug/L
ê	Mg	24	858	676	142	21.1	-0.000177	**-4.3197**	ug/L
ê	Al	27	1948	1593	69	4.4	-0.000341	**-0.2937**	ug/L
ê	Ca	44	4349	5146	133	2.6	0.000782	**-2.1043**	ug/L
ê>	Sc	45	1032693	1030573	22600	2.2	1030573.060612		ug/L
ê	Ti	47	37	42	6	14.9	0.000005	**-0.0030**	ug/L
ê	Ti	48	-161	-281	24	8.4	-0.000117	**-0.0132**	ug/L
ê	V	51	71	42	7	17.2	-0.000028	**0.0001**	ug/L
ê	Cr	52	13002	12069	380	3.2	-0.000874	**-0.0589**	ug/L
ê	Cr	53	54	54	19	36.2	-0.000000	**-0.0102**	ug/L
ê	Mn	55	755	730	15	2.0	-0.000023	**-0.0090**	ug/L
ê	Fe	54	128300	123762	1177	1.0	-0.004127	**-6.6674**	ug/L
ê	Fe	57	10493	9321	134	1.4	-0.001113	**-2.9735**	ug/L
ê	Co	59	44	47	6	11.6	0.000003	**-0.0040**	ug/L
ê	Ni	60	41	41	4	10.7	0.000000	**-0.0182**	ug/L
ë	Ni	62	107	99	13	13.5	-0.000007	**0.0072**	ug/L
é	Cu	65	19	21	2	7.2	0.000002	**-0.0060**	ug/L
ê	Cu	63	45	48	7	14.9	0.000003	**-0.0039**	ug/L
ê	Zn	66	51	52	14	25.8	-0.000000	**-0.0058**	ug/L
ê	Zn	68	308	307	16	5.3	-0.000007	**0.0101**	ug/L
ê>	Ge	74	819922	834646	12534	1.5	834645.822576		ug/L
ë	As	75	-79	-58	40	69.6	0.000027	**0.0282**	ug/L
é	Se	77	80	78	14	18.1	0.000004	**0.0097**	ug/L
ê	Se	82	6	19	9	47.0	0.000016	**0.1275**	ug/L
ê	Sr	88	123	105	21	19.8	-0.000012	**-0.0036**	ug/L
ê	Mo	95	13	9	3	33.3	-0.000004	**0.0019**	ug/L
ê	Mo	97	8	7	3	34.3	-0.000001	**0.0004**	ug/L
ê	Mo	98	20	20	5	26.4	0.000001	**-0.0018**	ug/L
ê	Ag	107	6	6	2	36.5	0.000000	**-0.0024**	ug/L
ê	Ag	109	6	6	1	10.2	0.000000	**-0.0020**	ug/L
ê	Cd	111	2	2	2	86.6	0.000000	**0.0012**	ug/L
ê	Cd	114	27	23	4	19.7	-0.000003	**0.0013**	ug/L
ê>	In	115	923806	866729	10720	1.2	866729.358395		ug/L
ê	Sn	120	134	133	4	3.0	0.000008	**-0.0020**	ug/L

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ê	Sb	121	22	20	7	35.7	-0.000001	**0.0004**	ug/L
ë	Ba	138	58	97	6	5.7	0.000050	**0.0002**	ug/L
é>	Tm	169	787482	715379	2730	0.4	715378.807726		ug/L
ê	Tl	205	5	1	1	100.0	-0.000005	**-0.0006**	ug/L
ë	Pb	208	36	33	7	20.4	-0.000000	**-0.0010**	ug/L
	C	13	39252	36653	400	1.1	-2599.221947		ug/L
	202	202	3	5	3	47.2	2.000001		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	Ca	44	
|>	Sc	45	99.795
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	101.796
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	93.822
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	90.844
|	Tl	205	
⌊	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV8

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 00:33:12
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCV8.170
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	5061	70	1.4	0.004902	**2.8724**	ug/L
ê	B	11	529	91901	262	0.3	0.088516	**39.3920**	ug/L
ê	Na	23	10310	5631862	54537	1.0	5.446130	**310.9491**	ug/L
ê	Mg	24	858	3576606	46950	1.3	3.464471	**301.6919**	ug/L
ê	Al	27	1948	574844	5375	0.9	0.555031	**32.2400**	ug/L
ê	Ca	44	4349	390282	2931	0.8	0.373851	**644.3659**	ug/L
ê>	Sc	45	1032693	1032423	17009	1.6	1032423.097623		ug/L
ê	Ti	47	37	6260	104	1.7	0.006029	**3.9427**	ug/L
ê	Ti	48	-161	59543	1274	2.1	0.057826	**3.9611**	ug/L
ê	V	51	71	54766	911	1.7	0.052981	**3.0960**	ug/L
ê	Cr	52	13002	55677	967	1.7	0.041338	**3.0241**	ug/L
ê	Cr	53	54	5534	180	3.3	0.005309	**3.2809**	ug/L
ê	Mn	55	755	24150	237	1.0	0.022666	**1.2822**	ug/L
ê	Fe	54	128300	219334	1537	0.7	0.088229	**99.1416**	ug/L
ê	Fe	57	10493	49302	982	2.0	0.037593	**104.4312**	ug/L
ê	Co	59	44	33063	888	2.7	0.031982	**2.0926**	ug/L
ê	Ni	60	41	14410	84	0.6	0.013921	**4.2277**	ug/L
ë	Ni	62	107	2161	32	1.5	0.001990	**4.0537**	ug/L
é	Cu	65	19	8882	148	1.7	0.010404	**2.4557**	ug/L
ê	Cu	63	45	18865	464	2.5	0.022098	**2.4114**	ug/L
ê	Zn	66	51	6652	148	2.2	0.007750	**4.1949**	ug/L
ê	Zn	68	308	4810	30	0.6	0.005273	**4.1082**	ug/L
ê>	Ge	74	819922	851871	14209	1.7	851870.544891		ug/L
ë	As	75	-79	9977	165	1.6	0.011812	**5.4843**	ug/L
é	Se	77	80	1289	59	4.6	0.001407	**11.0225**	ug/L
ê	Se	82	6	1769	48	2.7	0.002043	**10.9170**	ug/L
ê	Sr	88	123	23964	533	2.2	0.027632	**1.1241**	ug/L
ê	Mo	95	13	2324	49	2.1	0.002679	**0.6881**	ug/L
ê	Mo	97	8	1413	19	1.3	0.001629	**0.6972**	ug/L
ê	Mo	98	20	3685	116	3.1	0.004247	**0.7024**	ug/L
ê	Ag	107	6	5115	46	0.9	0.005920	**0.4802**	ug/L
ê	Ag	109	6	5977	162	2.7	0.006918	**0.4443**	ug/L
ê	Cd	111	2	1263	44	3.5	0.001461	**0.3915**	ug/L
ê	Cd	114	27	3087	27	0.9	0.003548	**0.4070**	ug/L
ê>	In	115	923806	863142	13982	1.6	863141.674104		ug/L
ê	Sn	120	134	42257	958	2.3	0.048819	**2.9883**	ug/L

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ê	Sb	121	22	3972	80	2.0	0.004578	**0.4080**	ug/L
ë	Ba	138	58	31260	190	0.6	0.036163	**0.9631**	ug/L
é>	Tm	169	787482	709092	5250	0.7	709091.805581		ug/L
ê	Tl	205	5	4512	102	2.3	0.006358	**0.2070**	ug/L
ë	Pb	208	36	14915	227	1.5	0.020988	**0.5304**	ug/L
	C	13	39252	37114	628	1.7	-2137.693882		ug/L
	202	202	3	12	2	14.4	8.666671		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	99.974
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	103.897
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	93.433
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	90.045
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB8

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 00:37:27
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCB8.171
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	3	1	17.3	0.000002	**-0.0041**	ug/L
ê	B	11	529	599	59	9.8	0.000063	**-0.0676**	ug/L
ê	Na	23	10310	109230	2870	2.6	0.094944	**0.1285**	ug/L
ê	Mg	24	858	715	256	35.8	-0.000147	**-4.3171**	ug/L
ê	Al	27	1948	1905	425	22.3	-0.000062	**-0.2773**	ug/L
ê	Ca	44	4349	5151	64	1.2	0.000738	**-2.1804**	ug/L
ê>	Sc	45	1032693	1040999	24418	2.3	1040998.535113		ug/L
ê	Ti	47	37	56	7	11.7	0.000017	**0.0053**	ug/L
ê	Ti	48	-161	-228	37	16.3	-0.000065	**-0.0096**	ug/L
ê	V	51	71	676	72	10.7	0.000581	**0.0356**	ug/L
ê	Cr	52	13002	11880	152	1.3	-0.001173	**-0.0808**	ug/L
ê	Cr	53	54	268	27	10.0	0.000205	**0.1169**	ug/L
ê	Mn	55	755	800	12	1.4	0.000038	**-0.0055**	ug/L
ê	Fe	54	128300	126285	2497	2.0	-0.002894	**-5.2555**	ug/L
ê	Fe	57	10493	10811	442	4.1	0.000226	**0.7407**	ug/L
ê	Co	59	44	59	8	13.2	0.000013	**-0.0033**	ug/L
ê	Ni	60	41	59	14	23.1	0.000018	**-0.0128**	ug/L
ë	Ni	62	107	86	16	18.2	-0.000021	**-0.0199**	ug/L
é	Cu	65	19	27	2	7.8	0.000008	**-0.0046**	ug/L
ê	Cu	63	45	56	9	15.5	0.000011	**-0.0030**	ug/L
ê	Zn	66	51	168	14	8.1	0.000136	**0.0678**	ug/L
ê	Zn	68	308	398	41	10.2	0.000093	**0.0878**	ug/L
ê>	Ge	74	819922	849389	7714	0.9	849389.092280		ug/L
ë	As	75	-79	-99	22	22.3	-0.000020	**0.0063**	ug/L
é	Se	77	80	97	12	12.4	0.000026	**0.1863**	ug/L
ê	Se	82	6	4	8	201.2	-0.000001	**0.0332**	ug/L
ê	Sr	88	123	118	10	8.2	0.000003	**-0.0030**	ug/L
ê	Mo	95	13	14	1	8.4	0.000001	**0.0034**	ug/L
ê	Mo	97	8	5	4	72.1	-0.000003	**-0.0008**	ug/L
ê	Mo	98	20	15	1	4.0	-0.000004	**-0.0026**	ug/L
ê	Ag	107	6	8	2	30.1	0.000002	**-0.0023**	ug/L
ê	Ag	109	6	11	1	5.4	0.000006	**-0.0016**	ug/L
ê	Cd	111	2	1	1	43.3	-0.000000	**0.0010**	ug/L
ê	Cd	114	27	19	5	28.2	-0.000007	**0.0009**	ug/L
ê>	In	115	923806	860896	12307	1.4	860896.130723		ug/L
ê	Sn	120	134	115	9	7.4	-0.000011	**-0.0032**	ug/L

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ê	Sb	121	22	20	5	25.2	-0.000001	**0.0005**	ug/L
ë	Ba	138	58	80	57	70.9	0.000030	**-0.0003**	ug/L
é>	Tm	169	787482	717078	2509	0.3	717078.217729		ug/L
ê	Tl	205	5	4	1	31.5	-0.000001	**-0.0005**	ug/L
ë	Pb	208	36	162	189	116.7	0.000181	**0.0036**	ug/L
	C	13	39252	37326	198	0.5	-1925.817844		ug/L
	202	202	3	10	5	47.7	7.000004		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	100.804
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	103.594
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	93.190
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	91.060
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV9

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 01:15:42
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCV9.180
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	5234	93	1.8	0.005099	**2.9881**	ug/L
ê	B	11	529	93405	3164	3.4	0.090518	**40.2849**	ug/L
ê	Na	23	10310	5651912	127885	2.3	5.498028	**313.9636**	ug/L
ê	Mg	24	858	3614988	50210	1.4	3.522025	**306.7753**	ug/L
ê	Al	27	1948	576551	17758	3.1	0.559979	**32.5298**	ug/L
ê	Ca	44	4349	391026	5497	1.4	0.376833	**649.5333**	ug/L
ê>	Sc	45	1032693	1026223	5661	0.6	1026222.644075		ug/L
ê	Ti	47	37	6347	47	0.7	0.006148	**4.0208**	ug/L
ê	Ti	48	-161	61848	579	0.9	0.060423	**4.1392**	ug/L
ê	V	51	71	56636	2195	3.9	0.055125	**3.2211**	ug/L
ê	Cr	52	13002	57145	556	1.0	0.043097	**3.1525**	ug/L
ê	Cr	53	54	5900	284	4.8	0.005698	**3.5216**	ug/L
ê	Mn	55	755	25352	469	1.9	0.023975	**1.3567**	ug/L
ê	Fe	54	128300	226423	3741	1.7	0.096416	**108.5208**	ug/L
ê	Fe	57	10493	50118	1483	3.0	0.038683	**107.4542**	ug/L
ê	Co	59	44	33680	299	0.9	0.032777	**2.1448**	ug/L
ê	Ni	60	41	14975	178	1.2	0.014554	**4.4205**	ug/L
ë	Ni	62	107	2250	136	6.1	0.002089	**4.2535**	ug/L
é	Cu	65	19	8867	309	3.5	0.010347	**2.4424**	ug/L
ê	Cu	63	45	19173	440	2.3	0.022372	**2.4413**	ug/L
ê	Zn	66	51	6701	177	2.6	0.007777	**4.2096**	ug/L
ê	Zn	68	308	4844	31	0.6	0.005292	**4.1230**	ug/L
ê>	Ge	74	819922	854908	6537	0.8	854908.115109		ug/L
ë	As	75	-79	10150	129	1.3	0.011969	**5.5573**	ug/L
é	Se	77	80	1322	59	4.5	0.001416	**11.0954**	ug/L
ê	Se	82	6	1778	35	2.0	0.002017	**10.7777**	ug/L
ê	Sr	88	123	24202	488	2.0	0.027395	**1.1145**	ug/L
ê	Mo	95	13	2330	72	3.1	0.002635	**0.6770**	ug/L
ê	Mo	97	8	1443	55	3.8	0.001633	**0.6989**	ug/L
ê	Mo	98	20	3738	113	3.0	0.004231	**0.6996**	ug/L
ê	Ag	107	6	5254	101	1.9	0.005971	**0.4844**	ug/L
ê	Ag	109	6	6223	67	1.1	0.007072	**0.4542**	ug/L
ê	Cd	111	2	1338	15	1.1	0.001521	**0.4075**	ug/L
ê	Cd	114	27	3094	109	3.5	0.003490	**0.4003**	ug/L
ê>	In	115	923806	879318	19231	2.2	879318.231403		ug/L
ê	Sn	120	134	43902	817	1.9	0.049805	**3.0487**	ug/L

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ê	Sb	121	22	4095	122	3.0	0.004634	**0.4130**	ug/L
ë	Ba	138	58	32579	60	0.2	0.037000	**0.9854**	ug/L
é>	Tm	169	787482	733505	9249	1.3	733504.518686		ug/L
ê	Tl	205	5	4662	167	3.6	0.006351	**0.2067**	ug/L
ë	Pb	208	36	15446	304	2.0	0.021017	**0.5312**	ug/L
	C	13	39252	37538	566	1.5	-1714.592277		ug/L
	202	202	3	9	2	22.2	5.666669		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	99.373
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	104.267
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	95.184
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	93.146
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB9

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 01:19:57
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCB9.181
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	3	1	33.3	0.000001	**-0.0043**	ug/L
ê	B	11	529	602	34	5.7	0.000065	**-0.0667**	ug/L
ê	Na	23	10310	111337	1508	1.4	0.096788	**0.2356**	ug/L
ê	Mg	24	858	585	31	5.3	-0.000270	**-4.3279**	ug/L
ê	Al	27	1948	2075	846	40.8	0.000103	**-0.2677**	ug/L
ê	Ca	44	4349	5209	77	1.5	0.000784	**-2.1010**	ug/L
ê>	Sc	45	1032693	1042756	4092	0.4	1042755.517843		ug/L
ê	Ti	47	37	41	10	23.5	0.000003	**-0.0040**	ug/L
ê	Ti	48	-161	-265	4	1.6	-0.000098	**-0.0120**	ug/L
ê	V	51	71	1012	109	10.7	0.000902	**0.0544**	ug/L
ê	Cr	52	13002	12629	55	0.4	-0.000479	**-0.0301**	ug/L
ê	Cr	53	54	389	35	8.9	0.000321	**0.1886**	ug/L
ê	Mn	55	755	779	21	2.6	0.000016	**-0.0068**	ug/L
ê	Fe	54	128300	128349	471	0.4	-0.001151	**-3.2580**	ug/L
ê	Fe	57	10493	11077	432	3.9	0.000462	**1.3967**	ug/L
ê	Co	59	44	56	10	17.4	0.000010	**-0.0035**	ug/L
ê	Ni	60	41	61	5	7.6	0.000019	**-0.0124**	ug/L
ë	Ni	62	107	90	9	10.0	-0.000017	**-0.0115**	ug/L
é	Cu	65	19	24	2	6.3	0.000005	**-0.0054**	ug/L
ê	Cu	63	45	59	3	5.2	0.000013	**-0.0027**	ug/L
ê	Zn	66	51	172	15	8.6	0.000136	**0.0682**	ug/L
ê	Zn	68	308	384	30	7.7	0.000069	**0.0691**	ug/L
ê>	Ge	74	819922	863559	13111	1.5	863558.602705		ug/L
ë	As	75	-79	-49	36	75.1	0.000039	**0.0339**	ug/L
é	Se	77	80	90	9	9.6	0.000014	**0.0890**	ug/L
ê	Se	82	6	1	12	931.7	-0.000005	**0.0154**	ug/L
ê	Sr	88	123	125	13	10.4	0.000008	**-0.0029**	ug/L
ê	Mo	95	13	12	3	27.6	-0.000001	**0.0027**	ug/L
ê	Mo	97	8	8	1	6.9	0.000000	**0.0007**	ug/L
ê	Mo	98	20	15	5	33.2	-0.000004	**-0.0027**	ug/L
ê	Ag	107	6	6	3	44.1	-0.000000	**-0.0025**	ug/L
ê	Ag	109	6	8	1	12.5	0.000002	**-0.0018**	ug/L
ê	Cd	111	2	1	2	114.6	-0.000000	**0.0010**	ug/L
ê	Cd	114	27	24	1	6.1	-0.000003	**0.0014**	ug/L
ê>	In	115	923806	891494	6198	0.7	891494.486498		ug/L
ê	Sn	120	134	121	20	16.2	-0.000009	**-0.0031**	ug/L

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ê	Sb	121	22	15	3	18.8	-0.000007	**-0.0000**	ug/L
ë	Ba	138	58	49	2	3.1	-0.000008	**-0.0013**	ug/L
é>	Tm	169	787482	745753	13829	1.9	745752.807096		ug/L
ê	Tl	205	5	2	0	0.0	-0.000004	**-0.0006**	ug/L
ë	Pb	208	36	34	4	11.8	-0.000001	**-0.0010**	ug/L
	C	13	39252	37551	105	0.3	-1701.565286		ug/L
	202	202	3	10	5	52.9	6.666670		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	100.974
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	105.322
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	96.502
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	94.701
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVA

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 01:53:59
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCVA.189
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	5305	188	3.6	0.005223	**3.0609**	ug/L
ê	B	11	529	92910	754	0.8	0.091013	**40.5058**	ug/L
ê	Na	23	10310	5661733	56280	1.0	5.567237	**317.9835**	ug/L
ê	Mg	24	858	3574155	43181	1.2	3.519777	**306.5768**	ug/L
ê	Al	27	1948	580358	6713	1.2	0.569771	**33.1035**	ug/L
ê	Ca	44	4349	388017	6942	1.8	0.377973	**651.5084**	ug/L
ê>	Sc	45	1032693	1015221	11157	1.1	1015220.696835		ug/L
ê	Ti	47	37	6402	39	0.6	0.006271	**4.1008**	ug/L
ê	Ti	48	-161	61808	682	1.1	0.061042	**4.1817**	ug/L
ê	V	51	71	56628	496	0.9	0.055713	**3.2555**	ug/L
ê	Cr	52	13002	57225	650	1.1	0.043780	**3.2024**	ug/L
ê	Cr	53	54	5855	177	3.0	0.005714	**3.5319**	ug/L
ê	Mn	55	755	24705	192	0.8	0.023604	**1.3356**	ug/L
ê	Fe	54	128300	218141	1753	0.8	0.090645	**101.9093**	ug/L
ê	Fe	57	10493	49824	1140	2.3	0.038916	**108.0999**	ug/L
ê	Co	59	44	33853	1008	3.0	0.033300	**2.1791**	ug/L
ê	Ni	60	41	14735	470	3.2	0.014473	**4.3960**	ug/L
ë	Ni	62	107	2247	36	1.6	0.002110	**4.2962**	ug/L
é	Cu	65	19	8917	236	2.6	0.010448	**2.4661**	ug/L
ê	Cu	63	45	19455	525	2.7	0.022792	**2.4872**	ug/L
ê	Zn	66	51	6537	124	1.9	0.007614	**4.1215**	ug/L
ê	Zn	68	308	4776	126	2.6	0.005233	**4.0774**	ug/L
ê>	Ge	74	819922	851501	7496	0.9	851501.368328		ug/L
ë	As	75	-79	10082	229	2.3	0.011937	**5.5425**	ug/L
é	Se	77	80	1334	41	3.0	0.001423	**11.1467**	ug/L
ê	Se	82	6	1827	46	2.5	0.002061	**11.0095**	ug/L
ê	Sr	88	123	24183	231	1.0	0.027233	**1.1078**	ug/L
ê	Mo	95	13	2333	73	3.1	0.002625	**0.6745**	ug/L
ê	Mo	97	8	1439	79	5.5	0.001619	**0.6932**	ug/L
ê	Mo	98	20	3666	31	0.8	0.004128	**0.6826**	ug/L
ê	Ag	107	6	5260	142	2.7	0.005945	**0.4823**	ug/L
ê	Ag	109	6	6144	159	2.6	0.006945	**0.4460**	ug/L
ê	Cd	111	2	1343	44	3.3	0.001518	**0.4068**	ug/L
ê	Cd	114	27	3124	112	3.6	0.003505	**0.4020**	ug/L
ê>	In	115	923806	883805	15834	1.8	883804.923461		ug/L
ê	Sn	120	134	44145	335	0.8	0.049813	**3.0492**	ug/L

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ê	Sb	121	22	4161	55	1.3	0.004684	**0.4174**	ug/L
ë	Ba	138	58	32550	319	1.0	0.036772	**0.9793**	ug/L
é>	Tm	169	787482	728671	7477	1.0	728671.384085		ug/L
ê	Tl	205	5	4736	47	1.0	0.006494	**0.2114**	ug/L
ë	Pb	208	36	15358	36	0.2	0.021033	**0.5316**	ug/L
	C	13	39252	37899	346	0.9	-1352.977382		ug/L
	202	202	3	10	3	30.0	6.666670		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	98.308
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	103.851
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	95.670
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	92.532
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBA

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 01:58:15
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCBA.190
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	3	2	57.3	0.000001	**-0.0044**	ug/L
ê	B	11	529	552	66	12.0	0.000029	**-0.0827**	ug/L
ê	Na	23	10310	111501	2129	1.9	0.099316	**0.3824**	ug/L
ê	Mg	24	858	602	51	8.5	-0.000242	**-4.3254**	ug/L
ê	Al	27	1948	1617	28	1.7	-0.000301	**-0.2914**	ug/L
ê	Ca	44	4349	4975	82	1.6	0.000665	**-2.3067**	ug/L
ê>	Sc	45	1032693	1020349	28017	2.7	1020348.966344		ug/L
ê	Ti	47	37	36	7	18.7	-0.000001	**-0.0068**	ug/L
ê	Ti	48	-161	-247	18	7.2	-0.000086	**-0.0111**	ug/L
ê	V	51	71	1147	109	9.5	0.001056	**0.0634**	ug/L
ê	Cr	52	13002	12182	538	4.4	-0.000650	**-0.0426**	ug/L
ê	Cr	53	54	375	46	12.3	0.000315	**0.1851**	ug/L
ê	Mn	55	755	782	32	4.0	0.000035	**-0.0056**	ug/L
ê	Fe	54	128300	126460	1202	1.0	-0.000254	**-2.2307**	ug/L
ê	Fe	57	10493	11017	118	1.1	0.000644	**1.9001**	ug/L
ê	Co	59	44	53	5	8.6	0.000009	**-0.0036**	ug/L
ê	Ni	60	41	57	3	5.3	0.000017	**-0.0131**	ug/L
ë	Ni	62	107	73	8	10.4	-0.000032	**-0.0425**	ug/L
é	Cu	65	19	24	5	19.1	0.000004	**-0.0054**	ug/L
ê	Cu	63	45	51	9	18.4	0.000006	**-0.0035**	ug/L
ê	Zn	66	51	190	12	6.4	0.000162	**0.0822**	ug/L
ê	Zn	68	308	368	8	2.1	0.000060	**0.0622**	ug/L
ê>	Ge	74	819922	845222	11147	1.3	845221.889955		ug/L
ë	As	75	-79	-79	52	66.3	0.000003	**0.0170**	ug/L
é	Se	77	80	96	3	2.8	0.000021	**0.1416**	ug/L
ê	Se	82	6	4	7	164.1	-0.000002	**0.0322**	ug/L
ê	Sr	88	123	126	8	6.5	0.000007	**-0.0029**	ug/L
ê	Mo	95	13	8	1	6.9	-0.000005	**0.0017**	ug/L
ê	Mo	97	8	7	2	31.2	-0.000002	**-0.0001**	ug/L
ê	Mo	98	20	11	2	14.4	-0.000009	**-0.0034**	ug/L
ê	Ag	107	6	9	2	19.2	0.000003	**-0.0022**	ug/L
ê	Ag	109	6	9	4	44.4	0.000004	**-0.0017**	ug/L
ê	Cd	111	2	3	0	0.0	0.000002	**0.0015**	ug/L
ê	Cd	114	27	25	5	20.8	-0.000001	**0.0016**	ug/L
ê>	In	115	923806	894519	13545	1.5	894518.780048		ug/L
ê	Sn	120	134	125	10	7.6	-0.000005	**-0.0028**	ug/L

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ê	Sb	121	22	22	10	45.1	0.000001	**0.0006**	ug/L
ë	Ba	138	58	40	3	6.2	-0.000018	**-0.0016**	ug/L
é>	Tm	169	787482	731349	14509	2.0	731349.159008		ug/L
ê	Tl	205	5	3	2	45.8	-0.000002	**-0.0005**	ug/L
ë	Pb	208	36	35	4	10.3	0.000002	**-0.0009**	ug/L
	C	13	39252	37841	376	1.0	-1411.464943		ug/L
	202	202	3	9	2	16.4	6.000003		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	98.805
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	103.086
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	96.830
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	92.872
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVB

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 02:28:00
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCVB.197
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	5303	151	2.8	0.005221	**3.0602**	ug/L
ê	B	11	529	93094	2352	2.5	0.091186	**40.5828**	ug/L
ê	Na	23	10310	5731857	96531	1.7	5.635884	**321.9709**	ug/L
ê	Mg	24	858	3627402	105495	2.9	3.572021	**311.1912**	ug/L
ê	Al	27	1948	593618	13919	2.3	0.582836	**33.8688**	ug/L
ê	Ca	44	4349	387274	4810	1.2	0.377264	**650.2798**	ug/L
ê>	Sc	45	1032693	1015226	2946	0.3	1015226.309042		ug/L
ê	Ti	47	37	6302	66	1.0	0.006171	**4.0357**	ug/L
ê	Ti	48	-161	61578	725	1.2	0.060809	**4.1658**	ug/L
ê	V	51	71	55560	529	1.0	0.054658	**3.1939**	ug/L
ê	Cr	52	13002	57016	961	1.7	0.043570	**3.1870**	ug/L
ê	Cr	53	54	5766	113	2.0	0.005627	**3.4781**	ug/L
ê	Mn	55	755	25555	1154	4.5	0.024441	**1.3833**	ug/L
ê	Fe	54	128300	225787	2272	1.0	0.098165	**110.5244**	ug/L
ê	Fe	57	10493	51368	1342	2.6	0.040437	**112.3216**	ug/L
ê	Co	59	44	33985	390	1.1	0.033433	**2.1878**	ug/L
ê	Ni	60	41	14855	259	1.7	0.014593	**4.4325**	ug/L
ë	Ni	62	107	2278	26	1.2	0.002140	**4.3569**	ug/L
é	Cu	65	19	9191	141	1.5	0.010709	**2.5280**	ug/L
ê	Cu	63	45	19624	765	3.9	0.022857	**2.4943**	ug/L
ê	Zn	66	51	6744	114	1.7	0.007813	**4.2292**	ug/L
ê	Zn	68	308	4892	107	2.2	0.005336	**4.1574**	ug/L
ê>	Ge	74	819922	856476	9712	1.1	856476.432335		ug/L
ë	As	75	-79	10074	255	2.5	0.011860	**5.5066**	ug/L
é	Se	77	80	1326	44	3.3	0.001412	**11.0606**	ug/L
ê	Se	82	6	1798	29	1.6	0.002025	**10.8218**	ug/L
ê	Sr	88	123	24409	284	1.2	0.027439	**1.1163**	ug/L
ê	Mo	95	13	2361	57	2.4	0.002653	**0.6815**	ug/L
ê	Mo	97	8	1438	69	4.8	0.001615	**0.6914**	ug/L
ê	Mo	98	20	3742	36	1.0	0.004206	**0.6955**	ug/L
ê	Ag	107	6	5293	125	2.4	0.005972	**0.4845**	ug/L
ê	Ag	109	6	6244	92	1.5	0.007047	**0.4526**	ug/L
ê	Cd	111	2	1327	22	1.7	0.001498	**0.4013**	ug/L
ê	Cd	114	27	3162	74	2.3	0.003542	**0.4063**	ug/L
ê>	In	115	923806	885273	1228	0.1	885272.785186		ug/L
ê	Sn	120	134	43716	441	1.0	0.049237	**3.0139**	ug/L

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ê	Sb	121	22	4157	64	1.5	0.004672	**0.4164**	ug/L
ë	Ba	138	58	32722	488	1.5	0.036901	**0.9828**	ug/L
é>	Tm	169	787482	740031	9555	1.3	740030.633156		ug/L
ê	Tl	205	5	4781	103	2.1	0.006454	**0.2101**	ug/L
ë	Pb	208	36	18007	2622	14.6	0.024313	**0.6146**	ug/L
	C	13	39252	38523	455	1.2	-728.976303		ug/L
	202	202	3	27	6	23.1	23.666693		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	98.309
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	104.458
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	95.829
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	93.974
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBB

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 02:32:15
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCBB.198
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	3	3	88.2	0.000001	**-0.0042**	ug/L
ê	B	11	529	589	71	12.0	0.000061	**-0.0686**	ug/L
ê	Na	23	10310	113558	1721	1.5	0.100363	**0.4433**	ug/L
ê	Mg	24	858	616	72	11.7	-0.000232	**-4.3245**	ug/L
ê	Al	27	1948	1641	65	4.0	-0.000291	**-0.2908**	ug/L
ê	Ca	44	4349	4831	18	0.4	0.000485	**-2.6198**	ug/L
ê>	Sc	45	1032693	1029313	27544	2.7	1029313.470737		ug/L
ê	Ti	47	37	40	11	27.3	0.000003	**-0.0041**	ug/L
ê	Ti	48	-161	-248	5	2.0	-0.000086	**-0.0111**	ug/L
ê	V	51	71	1037	121	11.7	0.000940	**0.0566**	ug/L
ê	Cr	52	13002	11990	319	2.7	-0.000934	**-0.0633**	ug/L
ê	Cr	53	54	343	41	12.0	0.000282	**0.1645**	ug/L
ê	Mn	55	755	684	23	3.4	-0.000067	**-0.0114**	ug/L
ê	Fe	54	128300	126087	3391	2.7	-0.001628	**-3.8048**	ug/L
ê	Fe	57	10493	11273	213	1.9	0.000796	**2.3233**	ug/L
ê	Co	59	44	49	6	11.2	0.000005	**-0.0038**	ug/L
ê	Ni	60	41	61	3	5.3	0.000020	**-0.0122**	ug/L
ë	Ni	62	107	79	4	5.5	-0.000027	**-0.0316**	ug/L
é	Cu	65	19	26	5	18.0	0.000006	**-0.0049**	ug/L
ê	Cu	63	45	48	2	4.2	0.000002	**-0.0040**	ug/L
ê	Zn	66	51	179	6	3.1	0.000147	**0.0738**	ug/L
ê	Zn	68	308	402	14	3.5	0.000095	**0.0894**	ug/L
ê>	Ge	74	819922	854811	7876	0.9	854811.318692		ug/L
ë	As	75	-79	-70	28	39.5	0.000014	**0.0224**	ug/L
é	Se	77	80	99	5	5.1	0.000024	**0.1666**	ug/L
ê	Se	82	6	9	14	161.4	0.000004	**0.0602**	ug/L
ê	Sr	88	123	121	11	9.3	0.000002	**-0.0031**	ug/L
ê	Mo	95	13	8	4	45.1	-0.000005	**0.0016**	ug/L
ê	Mo	97	8	8	1	7.5	-0.000000	**0.0004**	ug/L
ê	Mo	98	20	15	3	23.1	-0.000005	**-0.0028**	ug/L
ê	Ag	107	6	8	3	33.1	0.000002	**-0.0023**	ug/L
ê	Ag	109	6	9	3	27.0	0.000004	**-0.0017**	ug/L
ê	Cd	111	2	3	2	57.3	0.000001	**0.0014**	ug/L
ê	Cd	114	27	26	5	19.3	-0.000000	**0.0017**	ug/L
ê>	In	115	923806	896712	16447	1.8	896711.567091		ug/L
ê	Sn	120	134	116	10	8.2	-0.000015	**-0.0035**	ug/L

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ê	Sb	121	22	24	2	8.8	0.000002	**0.0008**	ug/L
ë	Ba	138	58	49	8	15.4	-0.000009	**-0.0013**	ug/L
é>	Tm	169	787482	742713	8730	1.2	742712.587018		ug/L
ê	Tl	205	5	3	1	17.3	-0.000002	**-0.0005**	ug/L
ë	Pb	208	36	43	8	17.6	0.000012	**-0.0007**	ug/L
	C	13	39252	38216	87	0.2	-1035.803377		ug/L
	202	202	3	22	4	19.2	18.333350		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	99.673
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	104.255
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	97.067
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	94.315
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVC

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 03:10:31
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCVC.207
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	5397	86	1.6	0.005210	**3.0536**	ug/L
ê	B	11	529	95784	2036	2.1	0.091981	**40.9377**	ug/L
ê	Na	23	10310	5768868	131284	2.3	5.561251	**317.6358**	ug/L
ê	Mg	24	858	3695068	64461	1.7	3.567446	**310.7871**	ug/L
ê	Al	27	1948	608518	8407	1.4	0.585760	**34.0401**	ug/L
ê	Ca	44	4349	392860	1396	0.4	0.375185	**646.6778**	ug/L
ê>	Sc	45	1032693	1035508	7736	0.7	1035508.002803		ug/L
ê	Ti	47	37	6405	54	0.8	0.006149	**4.0213**	ug/L
ê	Ti	48	-161	63386	585	0.9	0.061373	**4.2044**	ug/L
ê	V	51	71	56992	1319	2.3	0.054970	**3.2121**	ug/L
ê	Cr	52	13002	58522	329	0.6	0.043926	**3.2130**	ug/L
ê	Cr	53	54	5971	52	0.9	0.005714	**3.5318**	ug/L
ê	Mn	55	755	25338	297	1.2	0.023739	**1.3433**	ug/L
ê	Fe	54	128300	229077	1020	0.4	0.096989	**109.1772**	ug/L
ê	Fe	57	10493	52723	1792	3.4	0.040749	**113.1883**	ug/L
ê	Co	59	44	34757	266	0.8	0.033523	**2.1936**	ug/L
ê	Ni	60	41	15176	154	1.0	0.014616	**4.4394**	ug/L
ë	Ni	62	107	2319	85	3.7	0.002136	**4.3477**	ug/L
é	Cu	65	19	9074	137	1.5	0.010358	**2.4449**	ug/L
ê	Cu	63	45	19657	299	1.5	0.022438	**2.4486**	ug/L
ê	Zn	66	51	6850	106	1.5	0.007774	**4.2084**	ug/L
ê	Zn	68	308	4999	156	3.1	0.005343	**4.1624**	ug/L
ê>	Ge	74	819922	874124	11401	1.3	874123.767186		ug/L
ë	As	75	-79	10322	329	3.2	0.011902	**5.5261**	ug/L
é	Se	77	80	1381	38	2.7	0.001420	**11.1262**	ug/L
ê	Se	82	6	1865	59	3.1	0.002028	**10.8341**	ug/L
ê	Sr	88	123	24692	349	1.4	0.026795	**1.0900**	ug/L
ê	Mo	95	13	2404	75	3.1	0.002607	**0.6698**	ug/L
ê	Mo	97	8	1466	17	1.1	0.001590	**0.6806**	ug/L
ê	Mo	98	20	3795	46	1.2	0.004118	**0.6809**	ug/L
ê	Ag	107	6	5392	155	2.9	0.005874	**0.4765**	ug/L
ê	Ag	109	6	6358	66	1.0	0.006928	**0.4449**	ug/L
ê	Cd	111	2	1372	6	0.4	0.001494	**0.4004**	ug/L
ê	Cd	114	27	3230	78	2.4	0.003493	**0.4007**	ug/L
ê>	In	115	923806	916947	6660	0.7	916947.277183		ug/L
ê	Sn	120	134	45166	447	1.0	0.049113	**3.0063**	ug/L

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ê	Sb	121	22	4193	32	0.8	0.004549	**0.4055**	ug/L
ë	Ba	138	58	33524	234	0.7	0.036500	**0.9721**	ug/L
é>	Tm	169	787482	758084	13932	1.8	758084.164572		ug/L
ê	Tl	205	5	4899	114	2.3	0.006458	**0.2102**	ug/L
ë	Pb	208	36	16123	211	1.3	0.021229	**0.5365**	ug/L
	C	13	39252	38773	318	0.8	-479.638913		ug/L
	202	202	3	12	5	38.2	8.666672		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	100.273
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	106.611
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	99.258
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	96.267
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBC

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 03:14:46
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCBC.208
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	3	3	88.2	0.000001	**-0.0043**	ug/L
ê	B	11	529	604	63	10.4	0.000052	**-0.0724**	ug/L
ê	Na	23	10310	117879	655	0.6	0.100122	**0.4293**	ug/L
ê	Mg	24	858	648	97	14.9	-0.000226	**-4.3240**	ug/L
ê	Al	27	1948	1680	47	2.8	-0.000317	**-0.2923**	ug/L
ê	Ca	44	4349	4956	28	0.6	0.000417	**-2.7362**	ug/L
ê>	Sc	45	1032693	1070730	13069	1.2	1070729.639216		ug/L
ê	Ti	47	37	40	2	3.8	0.000002	**-0.0051**	ug/L
ê	Ti	48	-161	-259	18	6.9	-0.000087	**-0.0112**	ug/L
ê	V	51	71	968	79	8.2	0.000836	**0.0505**	ug/L
ê	Cr	52	13002	12543	247	2.0	-0.000874	**-0.0589**	ug/L
ê	Cr	53	54	362	25	6.9	0.000286	**0.1670**	ug/L
ê	Mn	55	755	731	21	2.8	-0.000049	**-0.0104**	ug/L
ê	Fe	54	128300	130336	1819	1.4	-0.002494	**-4.7967**	ug/L
ê	Fe	57	10493	12560	109	0.9	0.001570	**4.4701**	ug/L
ê	Co	59	44	63	2	2.4	0.000016	**-0.0031**	ug/L
ê	Ni	60	41	67	5	7.2	0.000023	**-0.0111**	ug/L
ë	Ni	62	107	75	9	11.4	-0.000033	**-0.0446**	ug/L
é	Cu	65	19	21	3	12.2	0.000000	**-0.0065**	ug/L
ê	Cu	63	45	47	12	25.0	-0.000000	**-0.0042**	ug/L
ê	Zn	66	51	182	18	9.7	0.000145	**0.0729**	ug/L
ê	Zn	68	308	387	13	3.3	0.000066	**0.0668**	ug/L
ê>	Ge	74	819922	876181	4820	0.6	876180.600084		ug/L
ë	As	75	-79	-85	44	51.9	-0.000001	**0.0151**	ug/L
é	Se	77	80	99	14	14.2	0.000020	**0.1365**	ug/L
ê	Se	82	6	2	2	104.5	-0.000004	**0.0191**	ug/L
ê	Sr	88	123	133	3	2.3	0.000010	**-0.0027**	ug/L
ê	Mo	95	13	12	6	46.4	-0.000002	**0.0026**	ug/L
ê	Mo	97	8	7	2	22.9	-0.000002	**-0.0002**	ug/L
ê	Mo	98	20	15	6	42.0	-0.000005	**-0.0028**	ug/L
ê	Ag	107	6	6	2	33.3	-0.000000	**-0.0025**	ug/L
ê	Ag	109	6	6	6	91.2	0.000000	**-0.0019**	ug/L
ê	Cd	111	2	4	3	83.3	0.000002	**0.0017**	ug/L
ê	Cd	114	27	22	1	5.2	-0.000006	**0.0010**	ug/L
ê>	In	115	923806	926214	12779	1.4	926213.508075		ug/L
ê	Sn	120	134	137	2	1.5	0.000003	**-0.0024**	ug/L

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ê	Sb	121	22	19	5	26.0	-0.000003	**0.0003**	ug/L
ë	Ba	138	58	50	8	15.3	-0.000009	**-0.0014**	ug/L
é>	Tm	169	787482	774172	1241	0.2	774172.297516		ug/L
ê	Tl	205	5	3	2	45.8	-0.000002	**-0.0005**	ug/L
ë	Pb	208	36	32	5	16.5	-0.000005	**-0.0011**	ug/L
	C	13	39252	39439	238	0.6	187.181675		ug/L
	202	202	3	7	2	24.7	3.666668		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	103.683
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	106.861
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	100.261
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	98.310
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVD

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 03:44:31
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCVD.215
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	5367	144	2.7	0.005101	**2.9897**	ug/L
ê	B	11	529	94488	624	0.7	0.089341	**39.7597**	ug/L
ê	Na	23	10310	5730809	56955	1.0	5.439642	**310.5723**	ug/L
ê	Mg	24	858	3719866	22900	0.6	3.536477	**308.0518**	ug/L
ê	Al	27	1948	597555	5041	0.8	0.566351	**32.9031**	ug/L
ê	Ca	44	4349	395717	5088	1.3	0.372078	**641.2931**	ug/L
ê>	Sc	45	1032693	1051606	4763	0.5	1051605.718724		ug/L
ê	Ti	47	37	6282	105	1.7	0.005938	**3.8827**	ug/L
ê	Ti	48	-161	61097	1202	2.0	0.058256	**3.9906**	ug/L
ê	V	51	71	56694	796	1.4	0.053844	**3.1464**	ug/L
ê	Cr	52	13002	57546	955	1.7	0.042135	**3.0823**	ug/L
ê	Cr	53	54	5926	64	1.1	0.005583	**3.4506**	ug/L
ê	Mn	55	755	24932	208	0.8	0.022977	**1.2999**	ug/L
ê	Fe	54	128300	225608	2901	1.3	0.090293	**101.5061**	ug/L
ê	Fe	57	10493	51645	1089	2.1	0.038947	**108.1880**	ug/L
ê	Co	59	44	34379	666	1.9	0.032648	**2.1363**	ug/L
ê	Ni	60	41	15089	27	0.2	0.014309	**4.3459**	ug/L
ë	Ni	62	107	2291	46	2.0	0.002075	**4.2250**	ug/L
é	Cu	65	19	9003	125	1.4	0.010519	**2.4830**	ug/L
ê	Cu	63	45	19452	195	1.0	0.022723	**2.4797**	ug/L
ê	Zn	66	51	6776	104	1.5	0.007872	**4.2611**	ug/L
ê	Zn	68	308	4901	65	1.3	0.005364	**4.1788**	ug/L
ê>	Ge	74	819922	853972	1021	0.1	853971.982434		ug/L
ë	As	75	-79	10116	293	2.9	0.011942	**5.5448**	ug/L
é	Se	77	80	1317	53	4.0	0.001352	**10.5923**	ug/L
ê	Se	82	6	1783	59	3.3	0.001941	**10.3725**	ug/L
ê	Sr	88	123	24752	417	1.7	0.026903	**1.0944**	ug/L
ê	Mo	95	13	2277	73	3.2	0.002472	**0.6353**	ug/L
ê	Mo	97	8	1437	31	2.2	0.001561	**0.6683**	ug/L
ê	Mo	98	20	3666	127	3.5	0.003982	**0.6584**	ug/L
ê	Ag	107	6	5318	15	0.3	0.005801	**0.4706**	ug/L
ê	Ag	109	6	6311	76	1.2	0.006886	**0.4422**	ug/L
ê	Cd	111	2	1371	36	2.7	0.001496	**0.4009**	ug/L
ê	Cd	114	27	3229	92	2.8	0.003497	**0.4012**	ug/L
ê>	In	115	923806	915569	5772	0.6	915569.057560		ug/L
ê	Sn	120	134	45071	170	0.4	0.049084	**3.0045**	ug/L

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ê	Sb	121	22	4190	33	0.8	0.004552	**0.4058**	ug/L
ë	Ba	138	58	33389	328	1.0	0.036406	**0.9696**	ug/L
é>	Tm	169	787482	755307	4922	0.7	755306.693094		ug/L
ê	Tl	205	5	4926	70	1.4	0.006515	**0.2121**	ug/L
ë	Pb	208	36	16003	193	1.2	0.021141	**0.5343**	ug/L
	C	13	39252	38861	579	1.5	-391.394177		ug/L
	202	202	3	13	1	4.6	9.333339		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	101.831
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	104.153
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	99.108
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	95.914
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBD

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 03:48:46
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCBD.216
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	2	1	49.5	0.000001	**-0.0046**	ug/L
ê	B	11	529	562	51	9.2	0.000033	**-0.0809**	ug/L
ê	Na	23	10310	113951	1480	1.3	0.100630	**0.4588**	ug/L
ê	Mg	24	858	650	90	13.8	-0.000200	**-4.3217**	ug/L
ê	Al	27	1948	1692	73	4.3	-0.000244	**-0.2880**	ug/L
ê	Ca	44	4349	4870	96	2.0	0.000516	**-2.5653**	ug/L
ê>	Sc	45	1032693	1030186	6736	0.7	1030186.170173		ug/L
ê	Ti	47	37	36	1	3.2	-0.000002	**-0.0071**	ug/L
ê	Ti	48	-161	-258	17	6.5	-0.000095	**-0.0117**	ug/L
ê	V	51	71	1028	124	12.1	0.000930	**0.0560**	ug/L
ê	Cr	52	13002	12247	335	2.7	-0.000702	**-0.0463**	ug/L
ê	Cr	53	54	361	46	12.8	0.000298	**0.1746**	ug/L
ê	Mn	55	755	696	31	4.4	-0.000056	**-0.0108**	ug/L
ê	Fe	54	128300	125715	1946	1.5	-0.002205	**-4.4662**	ug/L
ê	Fe	57	10493	12477	132	1.1	0.001950	**5.5253**	ug/L
ê	Co	59	44	68	5	7.4	0.000023	**-0.0026**	ug/L
ê	Ni	60	41	62	6	9.1	0.000020	**-0.0120**	ug/L
ë	Ni	62	107	72	7	10.1	-0.000034	**-0.0461**	ug/L
é	Cu	65	19	21	3	15.6	0.000001	**-0.0063**	ug/L
ê	Cu	63	45	55	5	8.2	0.000009	**-0.0032**	ug/L
ê	Zn	66	51	190	19	10.0	0.000159	**0.0806**	ug/L
ê	Zn	68	308	377	18	4.9	0.000066	**0.0665**	ug/L
ê>	Ge	74	819922	855553	12843	1.5	855552.998200		ug/L
ë	As	75	-79	-65	7	10.4	0.000020	**0.0249**	ug/L
é	Se	77	80	95	9	9.5	0.000018	**0.1225**	ug/L
ê	Se	82	6	5	5	113.2	-0.000001	**0.0356**	ug/L
ê	Sr	88	123	131	5	3.5	0.000012	**-0.0027**	ug/L
ê	Mo	95	13	8	1	12.5	-0.000006	**0.0016**	ug/L
ê	Mo	97	8	9	2	17.6	0.000001	**0.0008**	ug/L
ê	Mo	98	20	11	2	18.9	-0.000009	**-0.0034**	ug/L
ê	Ag	107	6	10	3	33.3	0.000004	**-0.0021**	ug/L
ê	Ag	109	6	6	2	32.9	0.000001	**-0.0019**	ug/L
ê	Cd	111	2	3	2	78.1	0.000001	**0.0014**	ug/L
ê	Cd	114	27	17	3	17.8	-0.000010	**0.0005**	ug/L
ê>	In	115	923806	902781	6716	0.7	902781.046729		ug/L
ê	Sn	120	134	140	11	7.6	0.000011	**-0.0019**	ug/L

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ê	Sb	121	22	22	7	30.7	-0.000000	**0.0006**	ug/L
ë	Ba	138	58	48	5	10.6	-0.000010	**-0.0014**	ug/L
é>	Tm	169	787482	761496	5584	0.7	761496.477576		ug/L
ê	Tl	205	5	1	1	100.0	-0.000005	**-0.0006**	ug/L
ë	Pb	208	36	29	0	0.0	-0.000008	**-0.0012**	ug/L
	C	13	39252	38844	150	0.4	-407.779255		ug/L
	202	202	3	5	1	12.4	1.333334		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	Ca	44	
|>	Sc	45	99.757
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	104.346
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	97.724
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	96.700
|	Tl	205	
⌊	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVE

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 04:26:59
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCVE.225
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	5554	175	3.2	0.005398	**3.1636**	ug/L
ê	B	11	529	99103	2836	2.9	0.095834	**42.6563**	ug/L
ê	Na	23	10310	5825235	130130	2.2	5.653466	**322.9921**	ug/L
ê	Mg	24	858	3698627	77109	2.1	3.594997	**313.2206**	ug/L
ê	Al	27	1948	595338	17594	3.0	0.576887	**33.5203**	ug/L
ê	Ca	44	4349	388401	4975	1.3	0.373414	**643.6082**	ug/L
ê>	Sc	45	1032693	1028549	11557	1.1	1028549.145746		ug/L
ê	Ti	47	37	6316	30	0.5	0.006105	**3.9925**	ug/L
ê	Ti	48	-161	62520	1262	2.0	0.060947	**4.1752**	ug/L
ê	V	51	71	54843	843	1.5	0.053252	**3.1118**	ug/L
ê	Cr	52	13002	56721	661	1.2	0.042556	**3.1130**	ug/L
ê	Cr	53	54	5338	221	4.1	0.005137	**3.1738**	ug/L
ê	Mn	55	755	25201	695	2.8	0.023767	**1.3449**	ug/L
ê	Fe	54	128300	224327	6559	2.9	0.093845	**105.5757**	ug/L
ê	Fe	57	10493	49404	1158	2.3	0.037868	**105.1934**	ug/L
ê	Co	59	44	34011	530	1.6	0.033023	**2.1609**	ug/L
ê	Ni	60	41	14747	194	1.3	0.014299	**4.3429**	ug/L
ë	Ni	62	107	2358	58	2.4	0.002190	**4.4571**	ug/L
é	Cu	65	19	8834	111	1.3	0.010164	**2.3989**	ug/L
ê	Cu	63	45	19245	576	3.0	0.022138	**2.4158**	ug/L
ê	Zn	66	51	6680	86	1.3	0.007639	**4.1351**	ug/L
ê	Zn	68	308	4852	76	1.6	0.005220	**4.0673**	ug/L
ê>	Ge	74	819922	867456	13632	1.6	867456.403055		ug/L
ë	As	75	-79	10302	171	1.7	0.011974	**5.5596**	ug/L
é	Se	77	80	1259	35	2.8	0.001326	**10.3901**	ug/L
ê	Se	82	6	1808	34	1.9	0.002023	**10.8097**	ug/L
ê	Sr	88	123	24481	386	1.6	0.027334	**1.1120**	ug/L
ê	Mo	95	13	2322	15	0.7	0.002591	**0.6657**	ug/L
ê	Mo	97	8	1459	37	2.6	0.001628	**0.6968**	ug/L
ê	Mo	98	20	3766	55	1.5	0.004204	**0.6952**	ug/L
ê	Ag	107	6	5314	100	1.9	0.005956	**0.4832**	ug/L
ê	Ag	109	6	6220	128	2.1	0.006972	**0.4478**	ug/L
ê	Cd	111	2	1355	14	1.0	0.001519	**0.4070**	ug/L
ê	Cd	114	27	3194	71	2.2	0.003555	**0.4077**	ug/L
ê>	In	115	923806	891280	10332	1.2	891280.168754		ug/L
ê	Sn	120	134	44116	755	1.7	0.049355	**3.0211**	ug/L

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ê	Sb	121	22	4158	23	0.6	0.004641	**0.4137**	ug/L
ë	Ba	138	58	32472	212	0.7	0.036372	**0.9687**	ug/L
é>	Tm	169	787482	744677	3535	0.5	744676.946969		ug/L
ê	Tl	205	5	4825	39	0.8	0.006474	**0.2107**	ug/L
ë	Pb	208	36	15837	300	1.9	0.021221	**0.5363**	ug/L
	C	13	39252	38860	379	1.0	-391.732889		ug/L
	202	202	3	357	26	7.3	353.337801		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	99.599
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	105.797
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	96.479
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	94.564
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBE

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 04:31:14
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCBE.226
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	4	3	66.1	0.000002	**-0.0037**	ug/L
ê	B	11	529	2083	225	10.8	0.001489	**0.5683**	ug/L
ê	Na	23	10310	116689	749	0.6	0.102083	**0.5432**	ug/L
ê	Mg	24	858	2813	3402	120.9	0.001840	**-4.1415**	ug/L
ê	Al	27	1948	1691	38	2.3	-0.000263	**-0.2891**	ug/L
ê	Ca	44	4349	6098	11	0.2	0.001645	**-0.6082**	ug/L
ê>	Sc	45	1032693	1041400	14702	1.4	1041400.331236		ug/L
ê	Ti	47	37	49	20	40.1	0.000011	**0.0011**	ug/L
ê	Ti	48	-161	-342	22	6.4	-0.000173	**-0.0171**	ug/L
ê	V	51	71	243	12	5.0	0.000165	**0.0113**	ug/L
ê	Cr	52	13002	12516	96	0.8	-0.000570	**-0.0367**	ug/L
ê	Cr	53	54	106	16	15.2	0.000050	**0.0209**	ug/L
ê	Mn	55	755	671	55	8.2	-0.000087	**-0.0126**	ug/L
ê	Fe	54	128300	128253	1514	1.2	-0.001060	**-3.1535**	ug/L
ê	Fe	57	10493	9613	153	1.6	-0.000930	**-2.4659**	ug/L
ê	Co	59	44	54	16	29.9	0.000009	**-0.0036**	ug/L
ê	Ni	60	41	51	7	12.7	0.000010	**-0.0151**	ug/L
ë	Ni	62	107	98	4	3.6	-0.000010	**0.0029**	ug/L
é	Cu	65	19	29	9	30.9	0.000011	**-0.0038**	ug/L
ê	Cu	63	45	67	11	15.8	0.000024	**-0.0015**	ug/L
ê	Zn	66	51	177	11	6.0	0.000147	**0.0737**	ug/L
ê	Zn	68	308	410	20	4.9	0.000109	**0.0997**	ug/L
ê>	Ge	74	819922	847082	13002	1.5	847081.981160		ug/L
ë	As	75	-79	-49	34	67.8	0.000037	**0.0330**	ug/L
é	Se	77	80	76	15	19.6	-0.000002	**-0.0369**	ug/L
ê	Se	82	6	8	11	128.0	0.000003	**0.0574**	ug/L
ê	Sr	88	123	108	12	10.8	-0.000013	**-0.0037**	ug/L
ê	Mo	95	13	14	3	22.4	0.000001	**0.0032**	ug/L
ê	Mo	97	8	10	6	53.3	0.000002	**0.0017**	ug/L
ê	Mo	98	20	18	2	9.1	-0.000001	**-0.0021**	ug/L
ê	Ag	107	6	13	7	51.1	0.000008	**-0.0018**	ug/L
ê	Ag	109	6	8	7	82.0	0.000002	**-0.0018**	ug/L
ê	Cd	111	2	5	2	44.6	0.000003	**0.0020**	ug/L
ê	Cd	114	27	23	1	6.6	-0.000004	**0.0012**	ug/L
ê>	In	115	923806	898286	3514	0.4	898285.840182		ug/L
ê	Sn	120	134	145	14	9.8	0.000017	**-0.0015**	ug/L

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ê	Sb	121	22	19	3	16.4	-0.000003	**0.0003**	ug/L
ë	Ba	138	58	46	3	7.6	-0.000012	**-0.0014**	ug/L
é>	Tm	169	787482	749863	5041	0.7	749862.528631		ug/L
ê	Tl	205	5	2	2	100.0	-0.000004	**-0.0006**	ug/L
ë	Pb	208	36	30	5	14.9	-0.000006	**-0.0011**	ug/L
	C	13	39252	38512	239	0.6	-740.677928		ug/L
	202	202	3	246	22	8.9	242.335456		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	100.843
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	103.312
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	97.237
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	95.223
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVF

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 05:09:30
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCVF.235
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	5296	199	3.8	0.005020	**2.9422**	ug/L
ê	B	11	529	98259	3208	3.3	0.092679	**41.2491**	ug/L
ê	Na	23	10310	5740134	16955	0.3	5.433714	**310.2280**	ug/L
ê	Mg	24	858	3599309	21907	0.6	3.412569	**297.1077**	ug/L
ê	Al	27	1948	577539	5251	0.9	0.545834	**31.7012**	ug/L
ê	Ca	44	4349	394802	8202	2.1	0.370181	**638.0061**	ug/L
ê>	Sc	45	1032693	1054475	6171	0.6	1054475.071743		ug/L
ê	Ti	47	37	6287	144	2.3	0.005927	**3.8755**	ug/L
ê	Ti	48	-161	61686	562	0.9	0.058657	**4.0181**	ug/L
ê	V	51	71	54977	381	0.7	0.052069	**3.0427**	ug/L
ê	Cr	52	13002	56890	696	1.2	0.041360	**3.0256**	ug/L
ê	Cr	53	54	5503	46	0.8	0.005167	**3.1927**	ug/L
ê	Mn	55	755	24905	329	1.3	0.022887	**1.2948**	ug/L
ê	Fe	54	128300	230394	4476	1.9	0.094242	**106.0306**	ug/L
ê	Fe	57	10493	50805	874	1.7	0.038017	**105.6063**	ug/L
ê	Co	59	44	34450	389	1.1	0.032627	**2.1349**	ug/L
ê	Ni	60	41	14967	208	1.4	0.014154	**4.2987**	ug/L
ë	Ni	62	107	2342	76	3.2	0.002118	**4.3120**	ug/L
é	Cu	65	19	8913	147	1.6	0.010167	**2.3998**	ug/L
ê	Cu	63	45	19328	65	0.3	0.022048	**2.4059**	ug/L
ê	Zn	66	51	6747	177	2.6	0.007651	**4.1415**	ug/L
ê	Zn	68	308	4879	76	1.6	0.005205	**4.0558**	ug/L
ê>	Ge	74	819922	874644	13900	1.6	874643.877650		ug/L
ë	As	75	-79	10360	293	2.8	0.011939	**5.5434**	ug/L
é	Se	77	80	1289	49	3.8	0.001398	**10.9527**	ug/L
ê	Se	82	6	1865	76	4.1	0.002142	**11.4400**	ug/L
ê	Sr	88	123	24808	22	0.1	0.028427	**1.1566**	ug/L
ê	Mo	95	13	2378	97	4.1	0.002722	**0.6993**	ug/L
ê	Mo	97	8	1454	35	2.4	0.001665	**0.7128**	ug/L
ê	Mo	98	20	3877	28	0.7	0.004442	**0.7347**	ug/L
ê	Ag	107	6	5561	117	2.1	0.006395	**0.5190**	ug/L
ê	Ag	109	6	6204	56	0.9	0.007136	**0.4583**	ug/L
ê	Cd	111	2	1353	44	3.3	0.001556	**0.4169**	ug/L
ê	Cd	114	27	3017	61	2.0	0.003444	**0.3951**	ug/L
ê>	In	115	923806	868618	5519	0.6	868617.906304		ug/L
ê	Sn	120	134	42839	430	1.0	0.049177	**3.0102**	ug/L

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ê	Sb	121	22	3983	82	2.0	0.004561	**0.4065**	ug/L
ë	Ba	138	58	30927	109	0.4	0.035543	**0.9466**	ug/L
é>	Tm	169	787482	730937	4835	0.7	730936.789936		ug/L
ê	Tl	205	5	4731	111	2.4	0.006467	**0.2105**	ug/L
ë	Pb	208	36	15300	83	0.5	0.020887	**0.5279**	ug/L
	C	13	39252	37242	791	2.1	-2010.357742		ug/L
	202	202	3	45	5	11.5	41.333403		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	Ca	44	
|>	Sc	45	102.109
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	106.674
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	94.026
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	92.819
|	Tl	205	
⌊	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBF

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 05:13:45
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCBF.236
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	4	1	25.0	0.000002	**-0.0037**	ug/L
ê	B	11	529	2916	217	7.4	0.002253	**0.9091**	ug/L
ê	Na	23	10310	14894	541	3.6	0.004134	**-5.1462**	ug/L
ê	Mg	24	858	840	196	23.3	-0.000034	**-4.3070**	ug/L
ê	Al	27	1948	1407	55	3.9	-0.000553	**-0.3061**	ug/L
ê	Ca	44	4349	5501	90	1.6	0.001003	**-1.7218**	ug/L
ê>	Sc	45	1032693	1055194	7026	0.7	1055193.918375		ug/L
ê	Ti	47	37	51	7	13.8	0.000013	**0.0021**	ug/L
ê	Ti	48	-161	-343	9	2.8	-0.000170	**-0.0169**	ug/L
ê	V	51	71	157	12	7.8	0.000080	**0.0064**	ug/L
ê	Cr	52	13002	11932	456	3.8	-0.001281	**-0.0887**	ug/L
ê	Cr	53	54	94	15	16.2	0.000037	**0.0126**	ug/L
ê	Mn	55	755	735	10	1.4	-0.000035	**-0.0096**	ug/L
ê	Fe	54	128300	134088	1121	0.8	0.002844	**1.3189**	ug/L
ê	Fe	57	10493	9660	83	0.9	-0.001006	**-2.6764**	ug/L
ê	Co	59	44	49	8	16.7	0.000003	**-0.0040**	ug/L
ê	Ni	60	41	37	3	7.3	-0.000005	**-0.0197**	ug/L
ë	Ni	62	107	110	13	11.8	0.000001	**0.0240**	ug/L
é	Cu	65	19	17	3	15.6	-0.000004	**-0.0074**	ug/L
ê	Cu	63	45	46	7	14.2	-0.000002	**-0.0044**	ug/L
ê	Zn	66	51	76	4	5.5	0.000025	**0.0080**	ug/L
ê	Zn	68	308	334	39	11.7	0.000010	**0.0230**	ug/L
ê>	Ge	74	819922	868450	9299	1.1	868450.360508		ug/L
ë	As	75	-79	-82	42	51.3	0.000001	**0.0161**	ug/L
é	Se	77	80	84	12	13.9	0.000009	**0.0493**	ug/L
ê	Se	82	6	3	3	92.2	-0.000002	**0.0281**	ug/L
ê	Sr	88	123	100	10	10.0	-0.000019	**-0.0039**	ug/L
ê	Mo	95	13	9	5	54.5	-0.000005	**0.0019**	ug/L
ê	Mo	97	8	8	4	49.4	-0.000000	**0.0005**	ug/L
ê	Mo	98	20	17	7	37.8	-0.000002	**-0.0022**	ug/L
ê	Ag	107	6	9	5	54.5	0.000003	**-0.0022**	ug/L
ê	Ag	109	6	6	2	36.5	0.000001	**-0.0019**	ug/L
ê	Cd	111	2	2	2	91.7	0.000000	**0.0011**	ug/L
ê	Cd	114	27	24	4	16.6	-0.000002	**0.0015**	ug/L
ê>	In	115	923806	875373	3878	0.4	875372.755147		ug/L
ê	Sn	120	134	207	5	2.2	0.000092	**0.0031**	ug/L

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ê	Sb	121	22	26	1	2.2	0.000005	**0.0010**	ug/L
ë	Ba	138	58	48	7	15.3	-0.000008	**-0.0013**	ug/L
é>	Tm	169	787482	724682	1641	0.2	724681.779855		ug/L
ê	Tl	205	5	2	0	0.0	-0.000004	**-0.0006**	ug/L
ë	Pb	208	36	40	6	13.7	0.000010	**-0.0007**	ug/L
	C	13	39252	37640	182	0.5	-1611.996186		ug/L
	202	202	3	50	4	8.1	46.333420		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	102.179
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	105.919
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	94.757
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	92.025
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVG

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 06:00:30
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCVG.247
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	4835	55	1.1	0.004688	**2.7468**	ug/L
ê	B	11	529	90674	1054	1.2	0.087414	**38.8999**	ug/L
ê	Na	23	10310	5485204	52131	1.0	5.309835	**303.0325**	ug/L
ê	Mg	24	858	3462036	45261	1.3	3.356937	**292.1941**	ug/L
ê	Al	27	1948	538094	6608	1.2	0.519959	**30.1855**	ug/L
ê	Ca	44	4349	392886	5179	1.3	0.376819	**649.5089**	ug/L
ê>	Sc	45	1032693	1031350	15825	1.5	1031349.761675		ug/L
ê	Ti	47	37	6216	291	4.7	0.005991	**3.9179**	ug/L
ê	Ti	48	-161	60615	1733	2.9	0.058936	**4.0372**	ug/L
ê	V	51	71	54383	861	1.6	0.052671	**3.0778**	ug/L
ê	Cr	52	13002	57216	640	1.1	0.042901	**3.1382**	ug/L
ê	Cr	53	54	5373	125	2.3	0.005160	**3.1881**	ug/L
ê	Mn	55	755	25310	150	0.6	0.023815	**1.3476**	ug/L
ê	Fe	54	128300	230964	3150	1.4	0.099767	**112.3603**	ug/L
ê	Fe	57	10493	50813	1213	2.4	0.039125	**108.6806**	ug/L
ê	Co	59	44	33719	1091	3.2	0.032667	**2.1375**	ug/L
ê	Ni	60	41	15130	320	2.1	0.014636	**4.4456**	ug/L
ë	Ni	62	107	2359	68	2.9	0.002185	**4.4477**	ug/L
é	Cu	65	19	8814	277	3.1	0.010064	**2.3754**	ug/L
ê	Cu	63	45	19077	137	0.7	0.021782	**2.3768**	ug/L
ê	Zn	66	51	6839	174	2.6	0.007765	**4.2034**	ug/L
ê	Zn	68	308	4880	80	1.6	0.005210	**4.0598**	ug/L
ê>	Ge	74	819922	873668	6364	0.7	873667.513260		ug/L
ë	As	75	-79	10079	386	3.8	0.011632	**5.4012**	ug/L
é	Se	77	80	1315	46	3.5	0.001489	**11.6669**	ug/L
ê	Se	82	6	1807	83	4.6	0.002157	**11.5205**	ug/L
ê	Sr	88	123	24242	327	1.4	0.028888	**1.1753**	ug/L
ê	Mo	95	13	2453	41	1.7	0.002923	**0.7505**	ug/L
ê	Mo	97	8	1494	80	5.3	0.001781	**0.7624**	ug/L
ê	Mo	98	20	3874	46	1.2	0.004617	**0.7637**	ug/L
ê	Ag	107	6	5670	218	3.8	0.006784	**0.5507**	ug/L
ê	Ag	109	6	6061	103	1.7	0.007251	**0.4657**	ug/L
ê	Cd	111	2	1262	26	2.0	0.001509	**0.4044**	ug/L
ê	Cd	114	27	2922	25	0.8	0.003469	**0.3980**	ug/L
ê>	In	115	923806	835373	14102	1.7	835373.100461		ug/L
ê	Sn	120	134	40460	403	1.0	0.048296	**2.9563**	ug/L

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ê	Sb	121	22	3826	37	1.0	0.004556	**0.4061**	ug/L
ë	Ba	138	58	29546	47	0.2	0.035313	**0.9404**	ug/L
é>	Tm	169	787482	689179	1363	0.2	689179.383277		ug/L
ê	Tl	205	5	4419	60	1.4	0.006405	**0.2085**	ug/L
ë	Pb	208	36	14671	254	1.7	0.021242	**0.5369**	ug/L
	C	13	39252	34216	198	0.6	-5036.592518		ug/L
	202	202	3	82	13	15.3	78.666905		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	99.870
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	106.555
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	90.427
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	87.517
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBG

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 06:04:45
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCBG.248
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	18	20	110.7	0.000016	**0.0041**	ug/L
ê	B	11	529	2204	325	14.7	0.001592	**0.6142**	ug/L
ê	Na	23	10310	15014	1480	9.9	0.004349	**-5.1337**	ug/L
ê	Mg	24	858	1096	788	72.0	0.000213	**-4.2852**	ug/L
ê	Al	27	1948	1580	506	32.0	-0.000379	**-0.2959**	ug/L
ê	Ca	44	4349	6216	125	2.0	0.001724	**-0.4718**	ug/L
ê>	Sc	45	1032693	1047365	13692	1.3	1047364.991958		ug/L
ê	Ti	47	37	43	6	12.9	0.000005	**-0.0031**	ug/L
ê	Ti	48	-161	-418	16	3.8	-0.000243	**-0.0219**	ug/L
ê	V	51	71	268	264	98.4	0.000187	**0.0126**	ug/L
ê	Cr	52	13002	12525	367	2.9	-0.000634	**-0.0414**	ug/L
ê	Cr	53	54	82	16	19.1	0.000026	**0.0061**	ug/L
ê	Mn	55	755	870	159	18.3	0.000099	**-0.0020**	ug/L
ê	Fe	54	128300	136423	3413	2.5	0.006005	**4.9407**	ug/L
ê	Fe	57	10493	9821	399	4.1	-0.000786	**-2.0674**	ug/L
ê	Co	59	44	83	49	58.5	0.000036	**-0.0018**	ug/L
ê	Ni	60	41	53	25	47.3	0.000011	**-0.0148**	ug/L
ë	Ni	62	107	126	16	12.8	0.000017	**0.0560**	ug/L
é	Cu	65	19	31	12	40.3	0.000012	**-0.0037**	ug/L
ê	Cu	63	45	74	31	41.6	0.000030	**-0.0009**	ug/L
ê	Zn	66	51	71	12	16.8	0.000019	**0.0044**	ug/L
ê	Zn	68	308	343	17	4.9	0.000016	**0.0278**	ug/L
ê>	Ge	74	819922	878062	3723	0.4	878061.793515		ug/L
ë	As	75	-79	-91	22	23.7	-0.000008	**0.0121**	ug/L
é	Se	77	80	92	3	2.7	0.000022	**0.1510**	ug/L
ê	Se	82	6	8	4	47.1	0.000003	**0.0562**	ug/L
ê	Sr	88	123	94	5	5.3	-0.000022	**-0.0041**	ug/L
ê	Mo	95	13	10	2	21.5	-0.000003	**0.0023**	ug/L
ê	Mo	97	8	7	2	31.5	-0.000000	**0.0005**	ug/L
ê	Mo	98	20	17	6	32.9	-0.000001	**-0.0022**	ug/L
ê	Ag	107	6	8	3	39.8	0.000002	**-0.0023**	ug/L
ê	Ag	109	6	8	4	45.1	0.000003	**-0.0018**	ug/L
ê	Cd	111	2	5	3	60.0	0.000004	**0.0022**	ug/L
ê	Cd	114	27	27	4	16.1	0.000002	**0.0020**	ug/L
ê>	In	115	923806	844760	3770	0.4	844759.699590		ug/L
ê	Sn	120	134	182	10	5.3	0.000070	**0.0018**	ug/L

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ê	Sb	121	22	26	5	19.5	0.000007	**0.0012**	ug/L
ë	Ba	138	58	45	6	12.3	-0.000010	**-0.0014**	ug/L
é>	Tm	169	787482	693925	5102	0.7	693925.235346		ug/L
ê	Tl	205	5	3	2	66.7	-0.000002	**-0.0005**	ug/L
ë	Pb	208	36	568	846	148.8	0.000778	**0.0187**	ug/L
	C	13	39252	35187	278	0.8	-4064.902254		ug/L
	202	202	3	42	7	16.0	38.333395		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	101.421
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	107.091
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	91.443
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	88.119
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVH

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 06:51:31
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCVH.259
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	5424	112	2.1	0.005876	**3.4444**	ug/L
ê	B	11	529	94561	1147	1.2	0.101959	**45.3887**	ug/L
ê	Na	23	10310	5733239	129501	2.3	6.203678	**354.9509**	ug/L
ê	Mg	24	858	3620543	5098	0.1	3.922263	**342.1260**	ug/L
ê	Al	27	1948	583855	22339	3.8	0.630978	**36.6890**	ug/L
ê	Ca	44	4349	358711	3161	0.9	0.384482	**662.7881**	ug/L
ê>	Sc	45	1032693	922984	12733	1.4	922983.847286		ug/L
ê	Ti	47	37	5535	58	1.1	0.005961	**3.8979**	ug/L
ê	Ti	48	-161	54162	1086	2.0	0.058855	**4.0317**	ug/L
ê	V	51	71	48757	1492	3.1	0.052771	**3.0837**	ug/L
ê	Cr	52	13002	51616	871	1.7	0.043347	**3.1708**	ug/L
ê	Cr	53	54	4904	68	1.4	0.005263	**3.2521**	ug/L
ê	Mn	55	755	22281	670	3.0	0.023414	**1.3248**	ug/L
ê	Fe	54	128300	205793	1780	0.9	0.098763	**111.2097**	ug/L
ê	Fe	57	10493	43967	258	0.6	0.037483	**104.1250**	ug/L
ê	Co	59	44	29096	562	1.9	0.031490	**2.0604**	ug/L
ê	Ni	60	41	12655	23	0.2	0.013674	**4.1521**	ug/L
ë	Ni	62	107	1999	63	3.2	0.002062	**4.1997**	ug/L
é	Cu	65	19	7423	45	0.6	0.010026	**2.3664**	ug/L
ê	Cu	63	45	16282	266	1.6	0.021991	**2.3996**	ug/L
ê	Zn	66	51	5866	56	1.0	0.007878	**4.2645**	ug/L
ê	Zn	68	308	4190	45	1.1	0.005297	**4.1272**	ug/L
ê>	Ge	74	819922	738693	7377	1.0	738692.513066		ug/L
ë	As	75	-79	8738	155	1.8	0.011924	**5.5365**	ug/L
é	Se	77	80	1113	43	3.9	0.001238	**9.6994**	ug/L
ê	Se	82	6	1531	21	1.4	0.001815	**9.7013**	ug/L
ê	Sr	88	123	21612	564	2.6	0.025580	**1.0404**	ug/L
ê	Mo	95	13	2039	51	2.5	0.002411	**0.6196**	ug/L
ê	Mo	97	8	1258	30	2.4	0.001488	**0.6369**	ug/L
ê	Mo	98	20	3253	53	1.6	0.003849	**0.6363**	ug/L
ê	Ag	107	6	4232	31	0.7	0.005026	**0.4074**	ug/L
ê	Ag	109	6	5306	153	2.9	0.006304	**0.4047**	ug/L
ê	Cd	111	2	1238	18	1.4	0.001471	**0.3941**	ug/L
ê	Cd	114	27	2958	58	2.0	0.003488	**0.4002**	ug/L
ê>	In	115	923806	840866	14290	1.7	840865.815193		ug/L
ê	Sn	120	134	41538	239	0.6	0.049260	**3.0153**	ug/L

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ê	Sb	121	22	3846	100	2.6	0.004549	**0.4055**	ug/L
ë	Ba	138	58	31002	383	1.2	0.036812	**0.9804**	ug/L
é>	Tm	169	787482	702869	7252	1.0	702868.853468		ug/L
ê	Tl	205	5	4436	82	1.8	0.006306	**0.2053**	ug/L
ë	Pb	208	36	14582	125	0.9	0.020701	**0.5232**	ug/L
	C	13	39252	40902	482	1.2	1649.957030		ug/L
	202	202	3	89	35	39.4	85.666972		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	89.376
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	90.093
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	91.022
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	89.255
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBH

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 06:55:46
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCBH.260
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	3	3	94.4	0.000001	**-0.0043**	ug/L
ê	B	11	529	1242	49	3.9	0.000808	**0.2645**	ug/L
ê	Na	23	10310	19527	750	3.8	0.010766	**-4.7609**	ug/L
ê	Mg	24	858	1010	217	21.5	0.000242	**-4.2826**	ug/L
ê	Al	27	1948	1429	61	4.3	-0.000368	**-0.2953**	ug/L
ê	Ca	44	4349	5044	32	0.6	0.001148	**-1.4709**	ug/L
ê>	Sc	45	1032693	941318	8130	0.9	941318.379454		ug/L
ê	Ti	47	37	34	8	22.3	-0.000000	**-0.0063**	ug/L
ê	Ti	48	-161	-2	35	1906.0	0.000153	**0.0053**	ug/L
ê	V	51	71	207	5	2.2	0.000151	**0.0105**	ug/L
ê	Cr	52	13002	10943	186	1.7	-0.000965	**-0.0656**	ug/L
ê	Cr	53	54	95	15	15.7	0.000049	**0.0204**	ug/L
ê	Mn	55	755	724	65	9.0	0.000038	**-0.0055**	ug/L
ê	Fe	54	128300	124506	4345	3.5	0.008039	**7.2703**	ug/L
ê	Fe	57	10493	8767	272	3.1	-0.000847	**-2.2355**	ug/L
ê	Co	59	44	58	8	14.5	0.000018	**-0.0030**	ug/L
ê	Ni	60	41	32	5	16.6	-0.000006	**-0.0199**	ug/L
ë	Ni	62	107	99	5	4.6	0.000002	**0.0260**	ug/L
é	Cu	65	19	23	6	24.2	0.000008	**-0.0047**	ug/L
ê	Cu	63	45	37	3	8.2	-0.000004	**-0.0046**	ug/L
ê	Zn	66	51	69	6	9.1	0.000031	**0.0112**	ug/L
ê	Zn	68	308	305	15	5.0	0.000039	**0.0460**	ug/L
ê>	Ge	74	819922	736159	17377	2.4	736158.627017		ug/L
ë	As	75	-79	-60	27	46.0	0.000015	**0.0227**	ug/L
é	Se	77	80	69	6	8.3	-0.000004	**-0.0546**	ug/L
ê	Se	82	6	6	3	54.4	0.000001	**0.0486**	ug/L
ê	Sr	88	123	171	67	39.2	0.000070	**-0.0003**	ug/L
ê	Mo	95	13	12	1	9.9	-0.000001	**0.0029**	ug/L
ê	Mo	97	8	7	3	41.7	-0.000000	**0.0005**	ug/L
ê	Mo	98	20	12	4	37.5	-0.000007	**-0.0032**	ug/L
ê	Ag	107	6	7	4	51.5	0.000001	**-0.0023**	ug/L
ê	Ag	109	6	8	3	32.8	0.000003	**-0.0018**	ug/L
ê	Cd	111	2	1	2	173.2	-0.000000	**0.0010**	ug/L
ê	Cd	114	27	24	0	1.3	-0.000002	**0.0015**	ug/L
ê>	In	115	923806	842167	7165	0.9	842166.578652		ug/L
ê	Sn	120	134	190	22	11.7	0.000081	**0.0024**	ug/L

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ê	Sb	121	22	29	4	15.0	0.000010	**0.0015**	ug/L
ë	Ba	138	58	55	12	22.4	0.000002	**-0.0011**	ug/L
é>	Tm	169	787482	703798	3212	0.5	703798.398110		ug/L
ê	Tl	205	5	3	2	57.7	-0.000002	**-0.0005**	ug/L
ë	Pb	208	36	46	5	10.6	0.000020	**-0.0005**	ug/L
	C	13	39252	41224	654	1.6	1972.219234		ug/L
	202	202	3	158	7	4.5	154.334204		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	91.152
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	89.784
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	91.163
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	89.373
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-08RE2
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Friday, April 11, 2014 07:00:02
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 308

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\1411043-08RE2.261
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	5	4	75.3	0.000003	**-0.0326**	ug/L
ê	B	11	529	16312	97	0.6	0.015484	**68.1150**	ug/L
ê	Na	23	10310	220255887	4986386	2.3	215.934502	**125370.4657**	ug/L
ê	Mg	24	858	30471865	657468	2.2	29.874795	**26343.5768**	ug/L
ê	Al	27	1948	273997	6364	2.3	0.266754	**153.5276**	ug/L
ê	Ca	44	4349	4481238	75407	1.7	4.390415	**76044.4635**	ug/L
ê>	Sc	45	1032693	1019878	11164	1.1	1019877.838464		ug/L
ê	Ti	47	37	3601	66	1.8	0.003496	**22.8341**	ug/L
ê	Ti	48	-161	65635	4762	7.3	0.064529	**44.2091**	ug/L
ê	V	51	71	3855	75	1.9	0.003711	**2.1840**	ug/L
ê	Cr	52	13002	12091	370	3.1	-0.000732	**-0.4853**	ug/L
ê	Cr	53	54	1206	39	3.2	0.001130	**6.9060**	ug/L
ê	Mn	55	755	12280	253	2.1	0.011312	**6.3608**	ug/L
ê	Fe	54	128300	181738	2655	1.5	0.053990	**599.1490**	ug/L
ê	Fe	57	10493	15619	276	1.8	0.005154	**144.1605**	ug/L
ê	Co	59	44	1018	10	1.0	0.000955	**0.5844**	ug/L
ê	Ni	60	41	-780	76	9.7	-0.000804	**-2.6326**	ug/L
ë	Ni	62	107	221	22	9.9	0.000114	**2.5223**	ug/L
é	Cu	65	19	1050	27	2.5	0.001335	**3.0951**	ug/L
ê	Cu	63	45	4482	33	0.7	0.005746	**6.2393**	ug/L
ê	Zn	66	51	1349	23	1.7	0.001683	**9.0650**	ug/L
ê	Zn	68	308	1204	44	3.7	0.001183	**9.3338**	ug/L
ê>	Ge	74	819922	772774	7561	1.0	772773.740723		ug/L
ë	As	75	-79	937	72	7.7	0.001308	**6.2137**	ug/L
é	Se	77	80	174	8	4.8	0.000116	**8.8625**	ug/L
ê	Se	82	6	141	34	23.7	0.000157	**8.7748**	ug/L
ê	Sr	88	123	1230367	8423	0.7	1.427840	**582.4704**	ug/L
ê	Mo	95	13	2677	74	2.8	0.003092	**7.9381**	ug/L
ê	Mo	97	8	1608	52	3.3	0.001859	**7.9555**	ug/L
ê	Mo	98	20	4168	197	4.7	0.004819	**7.9724**	ug/L
ê	Ag	107	6	17	4	20.3	0.000013	**-0.0137**	ug/L
ê	Ag	109	6	20	5	25.1	0.000016	**-0.0091**	ug/L
ê	Cd	111	2	13	5	33.8	0.000014	**0.0473**	ug/L
ê	Cd	114	27	42	4	8.5	0.000019	**0.0393**	ug/L
ê>	In	115	923806	862002	23104	2.7	862002.081043		ug/L
ê	Sn	120	134	86	14	16.2	-0.000046	**-0.0534**	ug/L

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ê	Sb	121	22	28	3	11.0	0.000008	**0.0128**	ug/L
ë	Ba	138	58	4074	147	3.6	0.004663	**1.2323**	ug/L
é>	Tm	169	787482	727471	7987	1.1	727471.320761		ug/L
ê	Tl	205	5	8	2	25.0	0.000005	**-0.0030**	ug/L
ë	Pb	208	36	358	14	3.9	0.000445	**0.1030**	ug/L
	C	13	39252	109075	843	0.8	69822.317286		ug/L
	202	202	3	23	8	35.6	19.666686		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	98.759
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	94.250
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	93.310
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	92.379
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-09RE2
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Friday, April 11, 2014 07:04:16
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 309

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\1411043-09RE2.262
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	22	8	37.0	0.000020	**0.0673**	ug/L
ê	B	11	529	77943	553	0.7	0.077321	**343.9771**	ug/L
ê	Na	23	10310	246137760	3845092	1.6	245.751406	**142689.4450**	ug/L
ê	Mg	24	858	36579072	391602	1.1	36.527639	**32219.6360**	ug/L
ê	Al	27	1948	7332427	46927	0.6	7.319743	**4285.1692**	ug/L
ê	Ca	44	4349	19330758	316547	1.6	19.300558	**334414.0289**	ug/L
ê>	Sc	45	1032693	1001495	9080	0.9	1001494.605398		ug/L
ê	Ti	47	37	53330	471	0.9	0.053220	**348.4957**	ug/L
ê	Ti	48	-161	446086	15431	3.5	0.445620	**305.6029**	ug/L
ê	V	51	71	59759	1408	2.4	0.059610	**34.8311**	ug/L
ê	Cr	52	13002	38057	330	0.9	0.025413	**18.6093**	ug/L
ê	Cr	53	54	3638	108	3.0	0.003580	**22.0923**	ug/L
ê	Mn	55	755	191111	3256	1.7	0.190097	**108.1043**	ug/L
ê	Fe	54	128300	676696	6912	1.0	0.551452	**6298.3971**	ug/L
ê	Fe	57	10493	197505	3491	1.8	0.187052	**5191.5834**	ug/L
ê	Co	59	44	3854	122	3.2	0.003806	**2.4535**	ug/L
ê	Ni	60	41	-1290	362	28.1	-0.001330	**-4.2372**	ug/L
ë	Ni	62	107	889	36	4.0	0.000785	**16.1164**	ug/L
é	Cu	65	19	2376	26	1.1	0.003094	**7.2571**	ug/L
ê	Cu	63	45	7546	73	1.0	0.009843	**10.7177**	ug/L
ê	Zn	66	51	5023	40	0.8	0.006526	**35.3175**	ug/L
ê	Zn	68	308	4019	74	1.8	0.004896	**38.1595**	ug/L
ê>	Ge	74	819922	762577	15348	2.0	762576.608189		ug/L
ë	As	75	-79	21576	203	0.9	0.028401	**131.6475**	ug/L
é	Se	77	80	111	1	1.0	0.000042	**3.0533**	ug/L
ê	Se	82	6	5687	69	1.2	0.006581	**350.6920**	ug/L
ê	Sr	88	123	8966713	21460	0.2	10.385025	**4236.6461**	ug/L
ê	Mo	95	13	1057	19	1.8	0.001210	**3.1255**	ug/L
ê	Mo	97	8	788	35	4.4	0.000903	**3.8697**	ug/L
ê	Mo	98	20	972	52	5.4	0.001105	**1.8127**	ug/L
ê	Ag	107	6	242	20	8.2	0.000274	**0.1988**	ug/L
ê	Ag	109	6	287	7	2.4	0.000326	**0.1903**	ug/L
ê	Cd	111	2	114	15	12.7	0.000130	**0.3589**	ug/L
ê	Cd	114	27	260	14	5.4	0.000272	**0.3275**	ug/L
ê>	In	115	923806	863419	3087	0.4	863419.071104		ug/L
ê	Sn	120	134	274	15	5.6	0.000173	**0.0803**	ug/L

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ê	Sb	121	22	268	10	3.9	0.000286	**0.2605**	ug/L
ë	Ba	138	58	145569	1548	1.1	0.168539	**44.9268**	ug/L
é>	Tm	169	787482	750445	10872	1.4	750445.302202		ug/L
ê	Tl	205	5	135	20	15.0	0.000173	**0.0519**	ug/L
ë	Pb	208	36	15017	76	0.5	0.019966	**5.0456**	ug/L
	C	13	39252	80911	570	0.7	41658.972873		ug/L
	202	202	3	26	3	9.8	22.333356		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	96.979
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	93.006
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	93.463
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	95.297
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-10RE2
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Friday, April 11, 2014 07:08:31
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 310

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\1411043-10RE2.263
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	7	2	28.4	0.000006	**-0.0169**	ug/L
ê	B	11	529	96042	239	0.2	0.094454	**420.4054**	ug/L
ê	Na	23	10310	233138926	3861874	1.7	230.491895	**133826.0445**	ug/L
ê	Mg	24	858	28246463	595020	2.1	27.925950	**24622.2792**	ug/L
ê	Al	27	1948	3723510	54790	1.5	3.679852	**2152.9206**	ug/L
ê	Ca	44	4349	9987647	165180	1.7	9.870429	**171004.5631**	ug/L
ê>	Sc	45	1032693	1011401	10477	1.0	1011400.870342		ug/L
ê	Ti	47	37	28714	716	2.5	0.028352	**185.6248**	ug/L
ê	Ti	48	-161	365085	16096	4.4	0.361057	**247.6005**	ug/L
ê	V	51	71	38331	621	1.6	0.037830	**22.1106**	ug/L
ê	Cr	52	13002	27854	264	0.9	0.014953	**10.9698**	ug/L
ê	Cr	53	54	2418	115	4.8	0.002338	**14.3943**	ug/L
ê	Mn	55	755	92902	1474	1.6	0.091120	**51.7781**	ug/L
ê	Fe	54	128300	429708	12086	2.8	0.300590	**3424.3635**	ug/L
ê	Fe	57	10493	106198	1665	1.6	0.094841	**2632.8612**	ug/L
ê	Co	59	44	1827	20	1.1	0.001764	**1.1145**	ug/L
ê	Ni	60	41	204	65	32.1	0.000162	**0.3127**	ug/L
ë	Ni	62	107	609	27	4.4	0.000499	**10.3238**	ug/L
é	Cu	65	19	1912	27	1.4	0.002451	**5.7360**	ug/L
ê	Cu	63	45	6273	40	0.6	0.008063	**8.7714**	ug/L
ê	Zn	66	51	3466	52	1.5	0.004423	**23.9186**	ug/L
ê	Zn	68	308	2637	79	3.0	0.003037	**23.7268**	ug/L
ê>	Ge	74	819922	772923	11130	1.4	772923.284376		ug/L
ë	As	75	-79	21006	228	1.1	0.027274	**126.4288**	ug/L
é	Se	77	80	100	17	17.0	0.000030	**2.1246**	ug/L
ê	Se	82	6	6239	133	2.1	0.007229	**385.1782**	ug/L
ê	Sr	88	123	3749874	27879	0.7	4.347775	**1773.6879**	ug/L
ê	Mo	95	13	997	23	2.3	0.001141	**2.9490**	ug/L
ê	Mo	97	8	798	37	4.6	0.000916	**3.9231**	ug/L
ê	Mo	98	20	748	10	1.3	0.000846	**1.3831**	ug/L
ê	Ag	107	6	259	14	5.2	0.000294	**0.2151**	ug/L
ê	Ag	109	6	298	4	1.5	0.000339	**0.1990**	ug/L
ê	Cd	111	2	130	8	6.2	0.000149	**0.4078**	ug/L
ê	Cd	114	27	327	1	0.2	0.000349	**0.4157**	ug/L
ê>	In	115	923806	862456	2789	0.3	862456.062330		ug/L
ê	Sn	120	134	204	5	2.2	0.000092	**0.0308**	ug/L

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ê	Sb	121	22	178	21	12.0	0.000182	**0.1675**	ug/L
ë	Ba	138	58	56044	322	0.6	0.064919	**17.2985**	ug/L
é>	Tm	169	787482	746069	3355	0.4	746069.497106		ug/L
ê	Tl	205	5	139	13	9.0	0.000180	**0.0541**	ug/L
ë	Pb	208	36	10271	205	2.0	0.013722	**3.4645**	ug/L
	C	13	39252	84435	508	0.6	45182.943446		ug/L
	202	202	3	27	3	11.5	23.333358		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	97.938
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	94.268
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	93.359
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	94.741
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-11RE2
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Friday, April 11, 2014 07:12:45
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 311

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\1411043-11RE2.264
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	7	2	31.5	0.000006	**-0.0158**	ug/L
ê	B	11	529	75513	745	1.0	0.076240	**339.1529**	ug/L
ê	Na	23	10310	245149520	3371972	1.4	249.163127	**144671.1235**	ug/L
ê	Mg	24	858	36841812	915210	2.5	37.444441	**33029.3916**	ug/L
ê	Al	27	1948	1898344	8236	0.4	1.927592	**1126.4467**	ug/L
ê	Ca	44	4349	13302584	113051	0.8	13.516622	**234187.4171**	ug/L
ê>	Sc	45	1032693	983953	10232	1.0	983953.155342		ug/L
ê	Ti	47	37	17936	176	1.0	0.018193	**119.0905**	ug/L
ê	Ti	48	-161	264625	32939	12.4	0.269115	**184.5365**	ug/L
ê	V	51	71	59512	1082	1.8	0.060425	**35.3070**	ug/L
ê	Cr	52	13002	20384	754	3.7	0.008129	**5.9860**	ug/L
ê	Cr	53	54	1620	111	6.9	0.001594	**9.7805**	ug/L
ê	Mn	55	755	77370	881	1.1	0.077909	**44.2599**	ug/L
ê	Fe	54	128300	315314	5911	1.9	0.196235	**2228.8060**	ug/L
ê	Fe	57	10493	59945	1741	2.9	0.050760	**1409.6763**	ug/L
ê	Co	59	44	2223	58	2.6	0.002217	**1.4118**	ug/L
ê	Ni	60	41	-1448	127	8.8	-0.001512	**-4.7924**	ug/L
ë	Ni	62	107	493	26	5.3	0.000397	**8.2708**	ug/L
é	Cu	65	19	1399	58	4.1	0.001823	**4.2492**	ug/L
ê	Cu	63	45	5457	132	2.4	0.007144	**7.7669**	ug/L
ê	Zn	66	51	3369	149	4.4	0.004380	**23.6867**	ug/L
ê	Zn	68	308	5345	39	0.7	0.006676	**51.9704**	ug/L
ê>	Ge	74	819922	758263	16115	2.1	758262.692048		ug/L
ë	As	75	-79	20740	396	1.9	0.027453	**127.2592**	ug/L
é	Se	77	80	95	5	5.2	0.000025	**1.7237**	ug/L
ê	Se	82	6	6231	145	2.3	0.007317	**389.9139**	ug/L
ê	Sr	88	123	5024449	64708	1.3	5.904720	**2408.8594**	ug/L
ê	Mo	95	13	1071	59	5.5	0.001245	**3.2142**	ug/L
ê	Mo	97	8	846	43	5.0	0.000985	**4.2182**	ug/L
ê	Mo	98	20	897	48	5.4	0.001033	**1.6924**	ug/L
ê	Ag	107	6	272	20	7.2	0.000312	**0.2303**	ug/L
ê	Ag	109	6	329	16	4.7	0.000380	**0.2255**	ug/L
ê	Cd	111	2	144	9	5.9	0.000167	**0.4573**	ug/L
ê	Cd	114	27	382	16	4.1	0.000419	**0.4956**	ug/L
ê>	In	115	923806	850901	4784	0.6	850901.447204		ug/L
ê	Sn	120	134	131	2	1.6	0.000009	**-0.0200**	ug/L

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ê	Sb	121	22	158	8	4.8	0.000161	**0.1495**	ug/L
ë	Ba	138	58	1258847	20246	1.6	1.479387	**394.4412**	ug/L
é>	Tm	169	787482	742551	7899	1.1	742551.215528		ug/L
ê	Tl	205	5	109	15	13.7	0.000141	**0.0415**	ug/L
ë	Pb	208	36	12726	67	0.5	0.017092	**4.3179**	ug/L
	C	13	39252	85755	1495	1.7	46503.151502		ug/L
	202	202	3	22	3	13.7	19.000017		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	95.280
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	92.480
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	92.108
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	94.294
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140595-DUP4
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Friday, April 11, 2014 07:17:00
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 312

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\B140595-DUP4.265
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	6	3	50.8	0.000005	**-0.0224**	ug/L
ê	B	11	529	73342	1191	1.6	0.072600	**322.9153**	ug/L
ê	Na	23	10310	252226133	6007144	2.4	251.417893	**145980.7915**	ug/L
ê	Mg	24	858	24281296	183734	0.8	24.203464	**21334.4299**	ug/L
ê	Al	27	1948	1401022	24365	1.7	1.394783	**814.3272**	ug/L
ê	Ca	44	4349	5726559	39395	0.7	5.704443	**98814.5234**	ug/L
ê>	Sc	45	1032693	1003177	6047	0.6	1003177.088841		ug/L
ê	Ti	47	37	12701	222	1.8	0.012624	**82.6190**	ug/L
ê	Ti	48	-161	174065	15575	8.9	0.173655	**119.0596**	ug/L
ê	V	51	71	44901	757	1.7	0.044690	**26.1173**	ug/L
ê	Cr	52	13002	17414	492	2.8	0.004767	**3.5308**	ug/L
ê	Cr	53	54	1317	22	1.7	0.001260	**7.7111**	ug/L
ê	Mn	55	755	46678	390	0.8	0.045799	**25.9869**	ug/L
ê	Fe	54	128300	257983	2014	0.8	0.132925	**1503.4844**	ug/L
ê	Fe	57	10493	44116	545	1.2	0.033816	**939.4918**	ug/L
ê	Co	59	44	1503	50	3.3	0.001456	**0.9126**	ug/L
ê	Ni	60	41	39	39	101.7	-0.000001	**-0.1838**	ug/L
ë	Ni	62	107	423	34	7.9	0.000318	**6.6668**	ug/L
é	Cu	65	19	1224	26	2.1	0.001597	**3.7160**	ug/L
ê	Cu	63	45	4963	14	0.3	0.006519	**7.0837**	ug/L
ê	Zn	66	51	2453	48	2.0	0.003186	**17.2105**	ug/L
ê	Zn	68	308	4418	83	1.9	0.005476	**42.6581**	ug/L
ê>	Ge	74	819922	755067	11359	1.5	755067.458758		ug/L
ë	As	75	-79	20324	299	1.5	0.027013	**125.2233**	ug/L
é	Se	77	80	107	7	6.9	0.000039	**2.8846**	ug/L
ê	Se	82	6	6285	90	1.4	0.007416	**395.1460**	ug/L
ê	Sr	88	123	2442824	28260	1.2	2.884942	**1176.9103**	ug/L
ê	Mo	95	13	1015	14	1.4	0.001185	**3.0601**	ug/L
ê	Mo	97	8	862	33	3.8	0.001009	**4.3211**	ug/L
ê	Mo	98	20	681	19	2.8	0.000783	**1.2791**	ug/L
ê	Ag	107	6	198	14	7.1	0.000227	**0.1603**	ug/L
ê	Ag	109	6	250	11	4.5	0.000288	**0.1663**	ug/L
ê	Cd	111	2	121	16	12.8	0.000141	**0.3886**	ug/L
ê	Cd	114	27	314	11	3.5	0.000341	**0.4069**	ug/L
ê>	In	115	923806	846819	7940	0.9	846818.777910		ug/L
ê	Sn	120	134	122	18	15.0	-0.000001	**-0.0261**	ug/L

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ê	Sb	121	22	149	12	8.2	0.000152	**0.1408**	ug/L
ë	Ba	138	58	1119095	24903	2.2	1.321364	**352.3072**	ug/L
é>	Tm	169	787482	739276	9604	1.3	739276.050771		ug/L
ê	Tl	205	5	107	3	2.5	0.000138	**0.0407**	ug/L
ë	Pb	208	36	9963	117	1.2	0.013431	**3.3910**	ug/L
	C	13	39252	85032	87	0.1	45779.460107		ug/L
	202	202	3	19	2	11.2	15.333345		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	Ca	44	
|>	Sc	45	97.142
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	92.090
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	91.666
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	93.878
|	Tl	205	
⌊	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140595-MS4
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Friday, April 11, 2014 07:21:15
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 313

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\B140595-MS4.266
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	1849	39	2.1	0.001882	**10.9966**	ug/L
ê	B	11	529	64909	177	0.3	0.065591	**291.6472**	ug/L
ê	Na	23	10310	226797927	1926898	0.8	230.953473	**134094.1497**	ug/L
ê	Mg	24	858	44219655	769667	1.7	45.030395	**39729.6108**	ug/L
ê	Al	27	1948	12695062	149817	1.2	12.926098	**7569.3731**	ug/L
ê	Ca	44	4349	22694758	292712	1.3	23.107588	**400383.9183**	ug/L
ê>	Sc	45	1032693	981964	7541	0.8	981963.677189		ug/L
ê	Ti	47	37	22370	565	2.5	0.022743	**148.8946**	ug/L
ê	Ti	48	-161	145010	19944	13.8	0.147880	**101.3802**	ug/L
ê	V	51	71	129293	1411	1.1	0.131604	**76.8782**	ug/L
ê	Cr	52	13002	76984	310	0.4	0.065811	**48.1145**	ug/L
ê	Cr	53	54	7966	95	1.2	0.008061	**49.8652**	ug/L
ê	Mn	55	755	388002	2546	0.7	0.394425	**224.3835**	ug/L
ê	Fe	54	128300	1439010	11912	0.8	1.341212	**15346.4018**	ug/L
ê	Fe	57	10493	508687	3486	0.7	0.507883	**14094.2367**	ug/L
ê	Co	59	44	32259	542	1.7	0.032812	**21.4705**	ug/L
ê	Ni	60	41	-4420	99	2.2	-0.004541	**-14.0302**	ug/L
ë	Ni	62	107	566	11	1.9	0.000473	**9.8122**	ug/L
é	Cu	65	19	37484	536	1.4	0.051533	**121.8945**	ug/L
ê	Cu	63	45	84983	806	0.9	0.116832	**127.6672**	ug/L
ê	Zn	66	51	18556	317	1.7	0.025460	**137.9487**	ug/L
ê	Zn	68	308	16041	338	2.1	0.021689	**168.5024**	ug/L
ê>	Ge	74	819922	727108	4618	0.6	727107.567171		ug/L
ë	As	75	-79	36705	606	1.7	0.050575	**234.3102**	ug/L
é	Se	77	80	283	5	1.8	0.000258	**20.0190**	ug/L
ê	Se	82	6	6017	204	3.4	0.007316	**389.8313**	ug/L
ê	Sr	88	123	7427300	64367	0.9	9.034621	**3685.7348**	ug/L
ê	Mo	95	13	818	43	5.2	0.000981	**2.5403**	ug/L
ê	Mo	97	8	616	6	1.0	0.000740	**3.1723**	ug/L
ê	Mo	98	20	642	23	3.6	0.000760	**1.2403**	ug/L
ê	Ag	107	6	12090	411	3.4	0.014697	**11.9589**	ug/L
ê	Ag	109	6	15240	375	2.5	0.018537	**11.9369**	ug/L
ê	Cd	111	2	861	2	0.2	0.001046	**2.8062**	ug/L
ê	Cd	114	27	1991	37	1.8	0.002393	**2.7501**	ug/L
ê>	In	115	923806	822146	12482	1.5	822145.623302		ug/L
ê	Sn	120	134	156	17	10.6	0.000045	**0.0022**	ug/L

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ê	Sb	121	22	2468	36	1.5	0.002978	**2.6567**	ug/L
ë	Ba	138	58	1571706	20824	1.3	1.911764	**509.7270**	ug/L
é>	Tm	169	787482	730934	4687	0.6	730934.303628		ug/L
ê	Tl	205	5	27385	102	0.4	0.037460	**12.2155**	ug/L
ë	Pb	208	36	68890	652	0.9	0.094210	**23.8437**	ug/L
	C	13	39252	78974	487	0.6	39722.177872		ug/L
	202	202	3	17	4	25.6	13.666677		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	95.088
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	88.680
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	88.995
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	92.819
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140595-MSD4
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Friday, April 11, 2014 07:25:29
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 314

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\B140595-MSD4.267
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	1794	47	2.6	0.001822	**10.6468**	ug/L
ê	B	11	529	71569	1610	2.2	0.072263	**321.4112**	ug/L
ê	Na	23	10310	225656433	1379832	0.6	229.450649	**133221.2430**	ug/L
ê	Mg	24	858	21809337	311755	1.4	22.175788	**19543.5048**	ug/L
ê	Al	27	1948	11718975	86450	0.7	11.914833	**6976.9740**	ug/L
ê	Ca	44	4349	3930655	91498	2.3	3.992374	**69147.0303**	ug/L
ê>	Sc	45	1032693	983462	10597	1.1	983461.819358		ug/L
ê	Ti	47	37	10497	244	2.3	0.010637	**69.6033**	ug/L
ê	Ti	48	-161	139121	4875	3.5	0.141661	**97.1143**	ug/L
ê	V	51	71	127757	443	0.3	0.129849	**75.8533**	ug/L
ê	Cr	52	13002	68059	969	1.4	0.056612	**41.3958**	ug/L
ê	Cr	53	54	6953	205	2.9	0.007017	**43.3969**	ug/L
ê	Mn	55	755	338469	5162	1.5	0.343483	**195.3935**	ug/L
ê	Fe	54	128300	1408441	43610	3.1	1.308047	**14966.4412**	ug/L
ê	Fe	57	10493	489736	4171	0.9	0.487819	**13537.4976**	ug/L
ê	Co	59	44	32127	281	0.9	0.032627	**21.3494**	ug/L
ê	Ni	60	41	823	91	11.1	0.000798	**2.2511**	ug/L
ë	Ni	62	107	433	22	5.1	0.000338	**7.0585**	ug/L
é	Cu	65	19	39350	251	0.6	0.052249	**123.5891**	ug/L
ê	Cu	63	45	87946	1182	1.3	0.116755	**127.5833**	ug/L
ê	Zn	66	51	19190	426	2.2	0.025428	**137.7732**	ug/L
ê	Zn	68	308	15436	175	1.1	0.020128	**156.3858**	ug/L
ê>	Ge	74	819922	752893	9256	1.2	752892.803332		ug/L
ë	As	75	-79	41195	344	0.8	0.054818	**253.9547**	ug/L
é	Se	77	80	280	12	4.3	0.000251	**19.4899**	ug/L
ê	Se	82	6	7468	44	0.6	0.008984	**478.6295**	ug/L
ê	Sr	88	123	1662312	26312	1.6	2.001087	**816.3326**	ug/L
ê	Mo	95	13	960	20	2.0	0.001142	**2.9502**	ug/L
ê	Mo	97	8	781	36	4.5	0.000931	**3.9888**	ug/L
ê	Mo	98	20	733	39	5.3	0.000861	**1.4086**	ug/L
ê	Ag	107	6	12956	359	2.8	0.015592	**12.6892**	ug/L
ê	Ag	109	6	15921	287	1.8	0.019158	**12.3375**	ug/L
ê	Cd	111	2	851	16	1.8	0.001023	**2.7450**	ug/L
ê	Cd	114	27	2059	10	0.5	0.002449	**2.8145**	ug/L
ê>	In	115	923806	830748	7557	0.9	830748.046992		ug/L
ê	Sn	120	134	161	6	3.9	0.000049	**0.0046**	ug/L

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ê	Sb	121	22	2418	38	1.6	0.002886	**2.5742**	ug/L
ë	Ba	138	58	1037115	10500	1.0	1.248493	**332.8774**	ug/L
é>	Tm	169	787482	725491	1123	0.2	725490.974878		ug/L
ê	Tl	205	5	27367	166	0.6	0.037715	**12.2989**	ug/L
ë	Pb	208	36	69645	765	1.1	0.095950	**24.2844**	ug/L
	C	13	39252	81627	963	1.2	42375.043114		ug/L
	202	202	3	21	5	22.9	17.333348		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	95.233
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	91.825
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	89.927
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	92.128
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-16RE2
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Friday, April 11, 2014 07:29:44
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 315

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\1411043-16RE2.268
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	8	1	7.5	0.000006	**-0.0151**	ug/L
ê	B	11	529	53135	1328	2.5	0.051913	**230.6283**	ug/L
ê	Na	23	10310	250850291	10123903	4.0	247.498958	**143704.5004**	ug/L
ê	Mg	24	858	23200185	400569	1.7	22.889400	**20173.7957**	ug/L
ê	Al	27	1948	2052218	7628	0.4	2.022856	**1182.2523**	ug/L
ê	Ca	44	4349	4353109	43464	1.0	4.290378	**74310.9697**	ug/L
ê>	Sc	45	1032693	1013612	6778	0.7	1013611.952832		ug/L
ê	Ti	47	37	18240	87	0.5	0.017959	**117.5621**	ug/L
ê	Ti	48	-161	212692	7461	3.5	0.210009	**143.9947**	ug/L
ê	V	51	71	30433	169	0.6	0.029957	**17.5129**	ug/L
ê	Cr	52	13002	20269	445	2.2	0.007408	**5.4597**	ug/L
ê	Cr	53	54	1512	65	4.3	0.001439	**8.8213**	ug/L
ê	Mn	55	755	68751	387	0.6	0.067100	**38.1091**	ug/L
ê	Fe	54	128300	348747	5017	1.4	0.219857	**2499.4294**	ug/L
ê	Fe	57	10493	77078	968	1.3	0.065881	**1829.2561**	ug/L
ê	Co	59	44	2893	41	1.4	0.002812	**1.8016**	ug/L
ê	Ni	60	41	5361	166	3.1	0.005250	**15.8294**	ug/L
ë	Ni	62	107	1171	37	3.2	0.001052	**21.5232**	ug/L
é	Cu	65	19	1720	31	1.8	0.002268	**5.3019**	ug/L
ê	Cu	63	45	6119	85	1.4	0.008095	**8.8072**	ug/L
ê	Zn	66	51	3447	119	3.5	0.004528	**24.4866**	ug/L
ê	Zn	68	308	2477	43	1.7	0.002925	**22.8556**	ug/L
ê>	Ge	74	819922	750880	10644	1.4	750879.825969		ug/L
ë	As	75	-79	18380	444	2.4	0.024576	**113.9380**	ug/L
é	Se	77	80	85	5	6.1	0.000014	**0.9244**	ug/L
ê	Se	82	6	5567	151	2.7	0.006609	**352.1805**	ug/L
ê	Sr	88	123	1432974	8360	0.6	1.702935	**694.6980**	ug/L
ê	Mo	95	13	872	33	3.8	0.001023	**2.6454**	ug/L
ê	Mo	97	8	698	52	7.5	0.000820	**3.5129**	ug/L
ê	Mo	98	20	517	19	3.6	0.000593	**0.9639**	ug/L
ê	Ag	107	6	126	7	5.6	0.000143	**0.0923**	ug/L
ê	Ag	109	6	142	7	4.8	0.000163	**0.0852**	ug/L
ê	Cd	111	2	154	6	3.6	0.000181	**0.4941**	ug/L
ê	Cd	114	27	423	28	6.7	0.000473	**0.5574**	ug/L
ê>	In	115	923806	841482	8031	1.0	841481.542261		ug/L
ê	Sn	120	134	139	11	8.2	0.000020	**-0.0130**	ug/L

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ê	Sb	121	22	141	4	2.9	0.000143	**0.1330**	ug/L
ë	Ba	138	58	15847	213	1.3	0.018770	**4.9935**	ug/L
é>	Tm	169	787482	726195	9996	1.4	726194.890516		ug/L
ê	Tl	205	5	164	24	14.5	0.000219	**0.0670**	ug/L
ë	Pb	208	36	10849	33	0.3	0.014895	**3.7617**	ug/L
	C	13	39252	78870	484	0.6	39617.937621		ug/L
	202	202	3	19	5	27.0	15.333346		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	98.152
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	91.579
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	91.089
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	92.217
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1411043-17RE2
Sample Description: 10x
Batch ID: B140595

Sample Date/Time: Friday, April 11, 2014 07:33:58
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 316

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\1411043-17RE2.269
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	13	4	27.7	0.000011	**0.0171**	ug/L
ê	B	11	529	78156	1161	1.5	0.077792	**346.0791**	ug/L
ê	Na	23	10310	245635024	1006714	0.4	246.075422	**142877.6476**	ug/L
ê	Mg	24	858	24467637	286789	1.2	24.512570	**21607.4451**	ug/L
ê	Al	27	1948	3715424	63024	1.7	3.720236	**2176.5777**	ug/L
ê	Ca	44	4349	5163386	17932	0.3	5.168360	**89525.0280**	ug/L
ê>	Sc	45	1032693	998280	11035	1.1	998280.414534		ug/L
ê	Ti	47	37	34622	526	1.5	0.034649	**226.8705**	ug/L
ê	Ti	48	-161	377655	22632	6.0	0.378600	**259.6331**	ug/L
ê	V	51	71	45288	398	0.9	0.045303	**26.4751**	ug/L
ê	Cr	52	13002	18517	427	2.3	0.005958	**4.4006**	ug/L
ê	Cr	53	54	1538	35	2.3	0.001489	**9.1257**	ug/L
ê	Mn	55	755	113116	847	0.7	0.112595	**63.9991**	ug/L
ê	Fe	54	128300	513947	5578	1.1	0.390667	**4456.3432**	ug/L
ê	Fe	57	10493	143305	1280	0.9	0.133412	**3703.1578**	ug/L
ê	Co	59	44	2957	30	1.0	0.002919	**1.8722**	ug/L
ê	Ni	60	41	1496	46	3.1	0.001459	**4.2687**	ug/L
ë	Ni	62	107	652	27	4.1	0.000550	**11.3610**	ug/L
é	Cu	65	19	2707	126	4.6	0.003564	**8.3694**	ug/L
ê	Cu	63	45	8344	73	0.9	0.011002	**11.9845**	ug/L
ê	Zn	66	51	4339	93	2.1	0.005687	**30.7709**	ug/L
ê	Zn	68	308	3195	42	1.3	0.003859	**30.1061**	ug/L
ê>	Ge	74	819922	754687	6648	0.9	754686.607281		ug/L
ë	As	75	-79	19272	257	1.3	0.025634	**118.8387**	ug/L
é	Se	77	80	104	12	11.1	0.000037	**2.7095**	ug/L
ê	Se	82	6	5899	80	1.4	0.007023	**374.2352**	ug/L
ê	Sr	88	123	2280295	34016	1.5	2.716846	**1108.3335**	ug/L
ê	Mo	95	13	1003	54	5.3	0.001181	**3.0515**	ug/L
ê	Mo	97	8	843	46	5.4	0.000997	**4.2680**	ug/L
ê	Mo	98	20	753	52	7.0	0.000876	**1.4326**	ug/L
ê	Ag	107	6	149	10	7.0	0.000171	**0.1148**	ug/L
ê	Ag	109	6	178	5	2.8	0.000205	**0.1127**	ug/L
ê	Cd	111	2	184	3	1.9	0.000217	**0.5919**	ug/L
ê	Cd	114	27	474	14	2.9	0.000535	**0.6278**	ug/L
ê>	In	115	923806	839292	12904	1.5	839291.705594		ug/L
ê	Sn	120	134	383	8	2.2	0.000311	**0.1652**	ug/L

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ê	Sb	121	22	162	9	5.3	0.000169	**0.1563**	ug/L
ë	Ba	138	58	36601	648	1.8	0.043561	**11.6037**	ug/L
é>	Tm	169	787482	720202	14214	2.0	720201.854921		ug/L
ê	Tl	205	5	107	5	4.6	0.000143	**0.0421**	ug/L
ë	Pb	208	36	21356	119	0.6	0.029612	**7.4878**	ug/L
	C	13	39252	82559	287	0.3	43306.687605		ug/L
	202	202	3	18	2	9.6	14.666678		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	B	11	
|	Na	23	
|	Mg	24	
|	Al	27	
|	Ca	44	
|>	Sc	45	96.668
|	Ti	47	
|	Ti	48	
|	V	51	
|	Cr	52	
|	Cr	53	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
⌊	Ni	62	
⌈	Cu	65	
|	Cu	63	
|	Zn	66	
|	Zn	68	
|>	Ge	74	92.044
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	95	
|	Mo	97	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	90.851
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	91.456
|	Tl	205	
⌊	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVI

Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 07:38:14
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCVI.270
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	5047	147	2.9	0.005506	**3.2270**	ug/L
ê	B	11	529	90181	921	1.0	0.097885	**43.5712**	ug/L
ê	Na	23	10310	5528297	38900	0.7	6.021785	**344.3857**	ug/L
ê	Mg	24	858	3501265	45567	1.3	3.819718	**333.0688**	ug/L
ê	Al	27	1948	544174	8978	1.6	0.591929	**34.4015**	ug/L
ê	Ca	44	4349	349229	4352	1.2	0.376747	**649.3850**	ug/L
ê>	Sc	45	1032693	916822	18428	2.0	916821.510704		ug/L
ê	Ti	47	37	5577	264	4.7	0.006048	**3.9548**	ug/L
ê	Ti	48	-161	52568	1694	3.2	0.057530	**3.9408**	ug/L
ê	V	51	71	47386	439	0.9	0.051635	**3.0174**	ug/L
ê	Cr	52	13002	49911	656	1.3	0.041869	**3.0628**	ug/L
ê	Cr	53	54	4621	72	1.6	0.004990	**3.0831**	ug/L
ê	Mn	55	755	21479	427	2.0	0.022708	**1.2847**	ug/L
ê	Fe	54	128300	199632	1927	1.0	0.093592	**105.2857**	ug/L
ê	Fe	57	10493	41854	823	2.0	0.035497	**98.6153**	ug/L
ê	Co	59	44	28462	431	1.5	0.031004	**2.0285**	ug/L
ê	Ni	60	41	12436	211	1.7	0.013527	**4.1074**	ug/L
ë	Ni	62	107	1905	64	3.3	0.001974	**4.0213**	ug/L
é	Cu	65	19	7351	230	3.1	0.010394	**2.4534**	ug/L
ê	Cu	63	45	15841	185	1.2	0.022394	**2.4437**	ug/L
ê	Zn	66	51	5564	90	1.6	0.007822	**4.2342**	ug/L
ê	Zn	68	308	3920	69	1.8	0.005180	**4.0359**	ug/L
ê>	Ge	74	819922	705765	5956	0.8	705765.164463		ug/L
ë	As	75	-79	8519	44	0.5	0.012167	**5.6489**	ug/L
é	Se	77	80	1095	54	4.9	0.001248	**9.7726**	ug/L
ê	Se	82	6	1583	66	4.2	0.001922	**10.2723**	ug/L
ê	Sr	88	123	20615	143	0.7	0.024980	**1.0159**	ug/L
ê	Mo	95	13	1925	38	2.0	0.002330	**0.5990**	ug/L
ê	Mo	97	8	1156	21	1.8	0.001399	**0.5990**	ug/L
ê	Mo	98	20	3060	37	1.2	0.003706	**0.6126**	ug/L
ê	Ag	107	6	3921	104	2.7	0.004769	**0.3864**	ug/L
ê	Ag	109	6	5036	82	1.6	0.006129	**0.3933**	ug/L
ê	Cd	111	2	1227	35	2.8	0.001493	**0.4001**	ug/L
ê	Cd	114	27	2839	35	1.2	0.003429	**0.3934**	ug/L
ê>	In	115	923806	820882	8054	1.0	820882.029231		ug/L
ê	Sn	120	134	40464	170	0.4	0.049152	**3.0087**	ug/L

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ê	Sb	121	22	3789	15	0.4	0.004592	**0.4092**	ug/L
ë	Ba	138	58	30531	390	1.3	0.037132	**0.9889**	ug/L
é>	Tm	169	787482	682165	4782	0.7	682165.258572		ug/L
ê	Tl	205	5	4215	79	1.9	0.006173	**0.2009**	ug/L
ë	Pb	208	36	14175	132	0.9	0.020734	**0.5240**	ug/L
	C	13	39252	39958	12	0.0	706.286587		ug/L
	202	202	3	20	5	22.9	16.666681		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	88.780
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	86.077
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	88.859
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	86.626
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBI
Sample Description:
Batch ID:

Sample Date/Time: Friday, April 11, 2014 07:42:29
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\NexIONData\Sample\2014\04-14\1400313.sam
Method File: C:\NexIONData\Method\2014\04-14\1400313-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-CCBI.271
Calibration File: C:\NexIONData\System\2014\04-14\1400313.cal
Blank File: C:\NexIONData\DataSet\2014\04-14\1400313\SEQ-ICB1.085

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
é	Be	9	2	3	1	33.3	0.000002	**-0.0040**	ug/L
ê	B	11	529	1069	108	10.1	0.000648	**0.1931**	ug/L
ê	Na	23	10310	19017	423	2.2	0.010658	**-4.7672**	ug/L
ê	Mg	24	858	748	80	10.7	-0.000020	**-4.3058**	ug/L
ê	Al	27	1948	1337	54	4.1	-0.000435	**-0.2992**	ug/L
ê	Ca	44	4349	4330	124	2.9	0.000489	**-2.6128**	ug/L
ê>	Sc	45	1032693	921372	7480	0.8	921371.690881		ug/L
ê	Ti	47	37	29	12	41.4	-0.000005	**-0.0091**	ug/L
ê	Ti	48	-161	108	8	7.8	0.000273	**0.0135**	ug/L
ê	V	51	71	162	11	6.8	0.000107	**0.0079**	ug/L
ê	Cr	52	13002	10778	491	4.6	-0.000895	**-0.0604**	ug/L
ê	Cr	53	54	88	8	9.6	0.000043	**0.0168**	ug/L
ê	Mn	55	755	690	23	3.3	0.000018	**-0.0067**	ug/L
ê	Fe	54	128300	118585	2924	2.5	0.004484	**3.1973**	ug/L
ê	Fe	57	10493	7743	126	1.6	-0.001757	**-4.7601**	ug/L
ê	Co	59	44	50	5	9.0	0.000012	**-0.0034**	ug/L
ê	Ni	60	41	34	4	10.2	-0.000002	**-0.0188**	ug/L
ë	Ni	62	107	86	9	10.5	-0.000010	**0.0029**	ug/L
é	Cu	65	19	28	6	21.4	0.000016	**-0.0028**	ug/L
ê	Cu	63	45	44	7	15.9	0.000007	**-0.0034**	ug/L
ê	Zn	66	51	72	8	11.3	0.000037	**0.0144**	ug/L
ê	Zn	68	308	300	3	0.8	0.000043	**0.0487**	ug/L
ê>	Ge	74	819922	717071	13042	1.8	717071.088075		ug/L
ë	As	75	-79	-45	29	63.7	0.000033	**0.0310**	ug/L
é	Se	77	80	76	1	1.3	0.000005	**0.0204**	ug/L
ê	Se	82	6	23	16	69.2	0.000021	**0.1551**	ug/L
ê	Sr	88	123	112	14	12.3	0.000003	**-0.0031**	ug/L
ê	Mo	95	13	12	3	23.4	0.000001	**0.0032**	ug/L
ê	Mo	97	8	10	5	51.0	0.000003	**0.0017**	ug/L
ê	Mo	98	20	12	3	21.9	-0.000007	**-0.0032**	ug/L
ê	Ag	107	6	8	1	12.5	0.000003	**-0.0022**	ug/L
ê	Ag	109	6	7	3	37.8	0.000002	**-0.0018**	ug/L
ê	Cd	111	2	2	2	100.0	0.000001	**0.0013**	ug/L
ê	Cd	114	27	23	2	10.3	-0.000002	**0.0015**	ug/L
ê>	In	115	923806	827484	13782	1.7	827484.413881		ug/L
ê	Sn	120	134	168	19	11.3	0.000059	**0.0011**	ug/L

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ê	Sb	121	22	31	2	4.9	0.000014	**0.0018**	ug/L
ë	Ba	138	58	59	6	9.3	0.000009	**-0.0009**	ug/L
é>	Tm	169	787482	681483	6952	1.0	681483.397287		ug/L
ê	Tl	205	5	3	1	34.6	-0.000001	**-0.0005**	ug/L
ë	Pb	208	36	41	6	14.0	0.000014	**-0.0006**	ug/L
	C	13	39252	40195	263	0.7	942.616460		ug/L
	202	202	3	34	4	11.8	30.666707		mg/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	B	11	
⎢	Na	23	
⎢	Mg	24	
⎢	Al	27	
⎢	Ca	44	
⎢>	Sc	45	89.220
⎢	Ti	47	
⎢	Ti	48	
⎢	V	51	
⎢	Cr	52	
⎢	Cr	53	
⎢	Mn	55	
⎢	Fe	54	
⎢	Fe	57	
⎢	Co	59	
⎢	Ni	60	
⎣	Ni	62	
⎡	Cu	65	
⎢	Cu	63	
⎢	Zn	66	
⎢	Zn	68	
⎢>	Ge	74	87.456
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	95	
⎢	Mo	97	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	89.573
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	86.540
⎢	Tl	205	
⎣	Pb	208	
	C	13	
	202	202	

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