Report of Trace Metals Analyses Biotas

Project: Makau Military Reservation
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Table of Contents

Case Narrative 4
Report Information 12
Sample Information 13
Batch Summary 14
Sample Results 15
Accuracy & Precision Summary 39
Method Blanks & Reporting Limits 62
Instrument Calibration 75
Sample Containers 114
Shipping Containers 117
Chain-of-Custody Form 118
Waybill 119
Sample Calculations 120
Inorganic Arsenic Data Sequence 1400175, Batch B140301 122
Mercury Data Sequence 1400179, Batch B140299 164
Trivalent Arsenic Data Sequence 1400181, Batch B140302 214
DMAs Data Sequence 1400182, Batch B140303 248
MMAs Data Sequence 1400183, Batch B140304 285
MMAs Data Sequence 1400193, Batch B140304 322
Methyl Mercury Data Sequence 1400195, Batch B140300 341
Trace Metals Data Sequence 1400200, Batch B140292 426

Trace Metals Data Sequence 1400204, Batch B140357..... 706

Trace Metals Data Sequence 1400220, Batch B140398..... 819

Trace Metals Data Sequence 1400231, Batch B140388..... 1072

Trace Metals Data Sequence 1400234, Batch B140456..... 1174

Case Narrative

Shipping and Receiving

On February 20, 2014, Brooks Rand Labs (BRL) received eight (8) octopus samples, eight (8) sea cucumber samples, and eight (8) limu samples at 09:25 A.M. in a cooler with dry ice and at temperatures of -29.0 °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 1400179

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

Batch B140299

Three samples from this batch were inadvertently mis-prepared. SRM1, SRM2, and MSD3 were prepared by adding 3mL of HNO_3 (instead of 7mL of HNO_3) and 7mL of H_2SO_4 (instead of 3mL of H_2SO_4). All of these samples met acceptance criteria and MSD3 was in good agreement with MS3. No qualifications were necessary.

The duplicate (DUP1) performed on sample *MAK101O* (1408020-01) was accidentally spiked and was not analyzed.

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 1400195

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

The continuing calibration blank (CCB) CCB1 was above the affective MRL for biota samples. No sample results were bracketed by this CCB and no corrective action was required.

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

Batch B140300

The matrix spike/matrix spike duplicate (MS/MSD) set (MS2/MSD2) performed on sample *MAK103C* (1408020-10) had elevated recoveries of 139% and 137%, respectively. Due to the elevated MS2/MSD2 recoveries, the MeHg result was qualified **N** for inaccuracy. It should be noted the sample result was not detectable and would not be affected by the apparent high bias.

The MSD3 performed on sample *MAK106L* (1408020-20) had an elevated recovery of 143%. The MS was within acceptance criteria. Due to the elevated MSD3, the MeHg result was qualified **N** for inaccuracy. It should be noted that the sample result was not detectable and would not be affected by the apparent high bias.

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 1400200

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

The ICB2 had a concentration above the low calibration standard for Ba. The elevated concentration was likely due to carryover from the high calibration standard. No samples were bracketed by this ICB and no further action was required.

No sample results reported from this sequence were bracketed by CCV standards outside of EPA Method 200.8 criteria.

Batch B140292

The method blanks, blank spike (BS1) and SRMs are shared with batch B140379. The *ICP-MS Analysis Benchsheet* notes this as being such.

The Zn native results for samples *MAK102C* (1408020-09) and *MAK105C* (1408020-12) and their associated DUP results yielded 33% and 59% 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 SRM TORT-3 (SRM2) had a concentration above the calibration for 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 qualification and all associated quality control sample results met the acceptance criteria.

Sequence 1400204

The calibration standard CAL8 and CAL9 had elevated recoveries for V. These were removed from the calibration curve.

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

No sample results reported from this sequence were bracketed by CCV standards outside of EPA Method 200.8 criteria.

Batch B140357

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. The recoveries of the blank spike, SRM1, and all appropriately spiked matrix spikes met acceptance criteria and no qualifications were necessary.

The Cr native result for sample *MAK102C* (1408020-09) and its associated DUP2 result yielded a 36% RPD. The Cr sample result was qualified **M** for duplicate imprecision.

The Fe native results for samples *MAK105C* (1408020-12) and *MAK115L* (1408020-24) and their associated DUP results yielded 46% RPD and 36% 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 1400220

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, Be, and Pb. All blanks spikes and matrix spikes are within acceptance criteria for Al, Be, and Pb, showing that the instrument's internal standard correction was working appropriately. No qualifications were necessary.

No sample results reported from this sequence were bracketed by CCV standards outside of EPA Method 200.8 criteria.

Batch B140398

The Pb analysis of SRM1 had a low recovery of 54%. 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, SRM1, and all matrix spikes met acceptance criteria and no qualifications were necessary.

The Al native results for sample *MAK102C* (1408020-09) as well as the Al and Pb native results for sample *MAK105C* (1408020-12), and their associated DUP results yielded 31%, 42%, and 89% 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 *MAK115L* (1408020-24) and its associated DUP result yielded a 31% RPD. The Al 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 1400231

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 ICB3 had concentrations above the low calibration standards. No samples were bracketed by these elevated ICBs and no further action was required.

Batch B140388

The As analysis of BS1 had a recovery just above the acceptance criteria (117%). This was the second analysis of this BS and the elevated recovery from the initial analysis was confirmed. All As sample results that have concentrations above the MDL were qualified **J** for potential high bias.

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

Sequence 1400234

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.

Batch B140456

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 1400175

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 B140301

The matrix spikes performed on sample *MAK103C* (1408020-10) 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.

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 1400181

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 B140302

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 for sure how the MMA and DMA peaks recover because the As(Inorg) peak is so large.

Sequence 1300182 - DMAs

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 B140303 - DMAs

The duplicate DUP1 did not meet criteria with the sample *MAK101O* (1408020-01). The native sample and the duplicate were re-analyzed. The re-analysis of the duplicate matched the initial analysis; however, the re-analysis of the native sample had a different result that better agreed with the duplicates. The re-analysis of the native sample and DUP1 were reported, while the initial analysis of the sample and the re-analysis of the duplicate were not reported.

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

Sequence 1400183 - MMAs

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

The instrument blanks (IBLs) IBL1, IBL2, and IBL3 had concentrations greater than the low calibration standard. These blanks did not bracket any sample results and no further action was required.

The CCV4 had an elevated recovery of 123%. All bracketed samples that had concentrations greater than the MDL were re-analyzed and reported from sequence 1400193.

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

Sequence 1400193 - MMAs

The low calibration standard CAL1 had a recovery outside of acceptance criteria and was re-analyzed in duplicate as CAL7 and CAL8, which both met criteria. CAL7 was used in the calibration while CAL1 and CAL8 were not reported.

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 B140304 - MMAs

The MS1 performed on sample *MAK101O* (1408020-01) recovered below acceptance criteria at 52%. The associated MSD1 recovered just above acceptance criteria. Due to the low recoveries, the MMAs result of the sample was qualified **N**.

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
MAK101O	1408020-01	Octopus	Sample	01/13/2014	02/20/2014
MAK102O	1408020-02	Octopus	Sample	01/13/2014	02/20/2014
MAK103O	1408020-03	Octopus	Sample	01/13/2014	02/20/2014
MAK104O	1408020-04	Octopus	Sample	01/13/2014	02/20/2014
MAK105O	1408020-05	Octopus	Sample	01/13/2014	02/20/2014
MAK106O	1408020-06	Octopus	Sample	01/13/2014	02/20/2014
MAK107O	1408020-07	Octopus	Sample	01/13/2014	02/20/2014
MAK108O	1408020-08	Octopus	Sample	01/13/2014	02/20/2014
MAK102C	1408020-09	Sea Cucumber	Sample	01/13/2014	02/20/2014
MAK103C	1408020-10	Sea Cucumber	Sample	01/13/2014	02/20/2014
MAK104C	1408020-11	Sea Cucumber	Sample	01/13/2014	02/20/2014
MAK105C	1408020-12	Sea Cucumber	Sample	01/13/2014	02/20/2014
MAK106C	1408020-13	Sea Cucumber	Sample	01/13/2014	02/20/2014
MAK107C	1408020-14	Sea Cucumber	Sample	01/13/2014	02/20/2014
MAK108C	1408020-15	Sea Cucumber	Sample	01/13/2014	02/20/2014
MAK110C	1408020-16	Sea Cucumber	Sample	01/14/2014	02/20/2014
MAK101L	1408020-17	Limu (seaweed)	Sample	01/13/2014	02/20/2014
MAK102L	1408020-18	Limu (seaweed)	Sample	01/13/2014	02/20/2014
MAK105L	1408020-19	Limu (seaweed)	Sample	01/13/2014	02/20/2014
MAK106L	1408020-20	Limu (seaweed)	Sample	01/14/2014	02/20/2014
MAK108, 109, 110, 113L	1408020-21	Limu (seaweed)	Sample	01/14/2014	02/20/2014
MAK111L	1408020-22	Limu (seaweed)	Sample	01/14/2014	02/20/2014
MAK112L	1408020-23	Limu (seaweed)	Sample	01/14/2014	02/20/2014
MAK115L	1408020-24	Limu (seaweed)	Sample	01/14/2014	02/20/2014

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Batch Summary

Analyte	Lab Matrix	Method	Prepared	Analyzed	Batch	Sequence
Ag	Biota	EPA 200.8	03/08/2014	03/20/2014	B140456	1400234
Al	Biota	EPA 200.8	03/08/2014	03/18/2014	B140398	1400220
As	Biota	EPA 200.8	03/08/2014	03/21/2014	B140388	1400231
As(III)	Biota	EPA 1632	03/03/2014	03/05/2014	B140302	1400181
As(Inorg)	Biota	EPA 1632	03/03/2014	03/04/2014	B140301	1400175
Ba	Biota	EPA 200.8	03/08/2014	03/11/2014	B140292	1400200
Be	Biota	EPA 200.8	03/08/2014	03/18/2014	B140398	1400220
Cd	Biota	EPA 200.8	03/08/2014	03/11/2014	B140292	1400200
Co	Biota	EPA 200.8	03/08/2014	03/11/2014	B140292	1400200
Cr	Biota	EPA 200.8 DRC	03/08/2014	03/12/2014	B140357	1400204
Cu	Biota	EPA 200.8	03/08/2014	03/11/2014	B140292	1400200
DMAs	Biota	EPA 1632	03/03/2014	03/06/2014	B140303	1400182
Fe	Biota	EPA 200.8 DRC	03/08/2014	03/12/2014	B140357	1400204
Hg	Biota	EPA 1631 Appendix	03/03/2014	03/05/2014	B140299	1400179
MeHg	Biota	EPA 1630	03/03/2014	03/11/2014	B140300	1400195
MMAs	Biota	EPA 1632	03/03/2014	03/06/2014	B140304	1400183
MMAs	Biota	EPA 1632	03/03/2014	03/10/2014	B140304	1400193
Mn	Biota	EPA 200.8	03/08/2014	03/11/2014	B140292	1400200
Pb	Biota	EPA 200.8	03/08/2014	03/18/2014	B140398	1400220
Sb	Biota	EPA 200.8	03/08/2014	03/11/2014	B140292	1400200
Se	Biota	EPA 200.8 DRC	03/08/2014	03/21/2014	B140388	1400231
Tl	Biota	EPA 200.8	03/08/2014	03/11/2014	B140292	1400200
V	Biota	EPA 200.8 DRC	03/08/2014	03/12/2014	B140357	1400204
Zn	Biota	EPA 200.8	03/08/2014	03/11/2014	B140292	1400200

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK101L										
1408020-17	Ag	Limu (seaweed)	wet	0.02	U	0.02	0.09	mg/kg	B140456	1400234
1408020-17	Al	Limu (seaweed)	wet	25.0		0.13	0.75	mg/kg	B140398	1400220
1408020-17	As	Limu (seaweed)	wet	2.17	J	0.013	0.037	mg/kg	B140388	1400231
1408020-17	As(III)	Limu (seaweed)	wet	0.262		0.038	0.095	mg/kg	B140302	1400181
1408020-17	As(Inorg)	Limu (seaweed)	wet	0.286		0.038	0.095	mg/kg	B140301	1400175
1408020-17	As(V)	Limu (seaweed)	wet	0.038	U	0.038	0.095	mg/kg	[CALC]	N/A
1408020-17	Ba	Limu (seaweed)	wet	1.66		0.03	0.15	mg/kg	B140292	1400200
1408020-17	Be	Limu (seaweed)	wet	0.03	U	0.03	0.08	mg/kg	B140398	1400220
1408020-17	Cd	Limu (seaweed)	wet	0.03		0.007	0.02	mg/kg	B140292	1400200
1408020-17	Co	Limu (seaweed)	wet	0.05	B	0.02	0.15	mg/kg	B140292	1400200
1408020-17	Cr	Limu (seaweed)	wet	0.128		0.017	0.112	mg/kg	B140357	1400204
1408020-17	Cu	Limu (seaweed)	wet	0.55		0.03	0.15	mg/kg	B140292	1400200
1408020-17	DMAs	Limu (seaweed)	wet	0.208		0.004	0.011	mg/kg	B140303	1400182
1408020-17	Fe	Limu (seaweed)	wet	36.9		0.075	0.749	mg/kg	B140357	1400204
1408020-17	Hg	Limu (seaweed)	wet	2.43		0.13	0.42	ng/g	B140299	1400179
1408020-17	MeHg	Limu (seaweed)	wet	1.11	U	1.11	3.32	ng/g	B140300	1400195
1408020-17	MMAs	Limu (seaweed)	wet	0.004	U	0.004	0.011	mg/kg	B140304	1400183
1408020-17	Mn	Limu (seaweed)	wet	1.25		0.01	0.04	mg/kg	B140292	1400200
1408020-17	Pb	Limu (seaweed)	wet	0.16		0.004	0.04	mg/kg	B140398	1400220
1408020-17	Sb	Limu (seaweed)	wet	0.01	B	0.007	0.02	mg/kg	B140292	1400200
1408020-17	Se	Limu (seaweed)	wet	0.056	U	0.056	0.140	mg/kg	B140388	1400231
1408020-17	Tl	Limu (seaweed)	wet	0.004	B	0.002	0.007	mg/kg	B140292	1400200
1408020-17	V	Limu (seaweed)	wet	1.35		0.013	0.112	mg/kg	B140357	1400204
1408020-17	Zn	Limu (seaweed)	wet	2.15		0.19	0.94	mg/kg	B140292	1400200

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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
MAK101O										
1408020-01	Ag	Octopus	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-01	Al	Octopus	wet	0.13	U	0.13	0.77	mg/kg	B140398	1400220
1408020-01	As	Octopus	wet	30.1	J	0.013	0.039	mg/kg	B140388	1400231
1408020-01	As(III)	Octopus	wet	0.004	U	0.004	0.009	mg/kg	B140302	1400181
1408020-01	As(Inorg)	Octopus	wet	0.004	U	0.004	0.009	mg/kg	B140301	1400175
1408020-01	As(V)	Octopus	wet	0.004	U	0.004	0.009	mg/kg	[CALC]	N/A
1408020-01	Ba	Octopus	wet	0.03	U	0.03	0.15	mg/kg	B140292	1400200
1408020-01	Be	Octopus	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-01	Cd	Octopus	wet	0.009	B	0.007	0.02	mg/kg	B140292	1400200
1408020-01	Co	Octopus	wet	0.02	U	0.02	0.15	mg/kg	B140292	1400200
1408020-01	Cr	Octopus	wet	0.017	U	0.017	0.116	mg/kg	B140357	1400204
1408020-01	Cu	Octopus	wet	6.13		0.03	0.15	mg/kg	B140292	1400200
1408020-01	DMAs	Octopus	wet	0.024		0.004	0.011	mg/kg	B140303	1400182
1408020-01	Fe	Octopus	wet	1.19		0.077	0.771	mg/kg	B140357	1400204
1408020-01	Hg	Octopus	wet	13.1		0.11	0.36	ng/g	B140299	1400179
1408020-01	MeHg	Octopus	wet	12.0		1.10	3.29	ng/g	B140300	1400195
1408020-01	MMAs	Octopus	wet	0.004	N, U	0.004	0.011	mg/kg	B140304	1400183
1408020-01	Mn	Octopus	wet	0.40		0.01	0.04	mg/kg	B140292	1400200
1408020-01	Pb	Octopus	wet	0.03	B	0.004	0.04	mg/kg	B140398	1400220
1408020-01	Sb	Octopus	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-01	Se	Octopus	wet	0.256		0.058	0.145	mg/kg	B140388	1400231
1408020-01	Tl	Octopus	wet	0.002	U	0.002	0.008	mg/kg	B140292	1400200
1408020-01	V	Octopus	wet	0.013	U	0.013	0.116	mg/kg	B140357	1400204
1408020-01	Zn	Octopus	wet	16.2		0.19	0.96	mg/kg	B140292	1400200

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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
MAK102C										
1408020-09	Ag	Sea Cucumber	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-09	Al	Sea Cucumber	wet	0.68	B	0.14	0.80	mg/kg	B140398	1400220
1408020-09	As	Sea Cucumber	wet	0.454	J	0.014	0.040	mg/kg	B140388	1400231
1408020-09	As(III)	Sea Cucumber	wet	0.004	U	0.004	0.010	mg/kg	B140302	1400181
1408020-09	As(Inorg)	Sea Cucumber	wet	0.010	B	0.004	0.010	mg/kg	B140301	1400175
1408020-09	As(V)	Sea Cucumber	wet	0.006	B	0.004	0.010	mg/kg	[CALC]	N/A
1408020-09	Ba	Sea Cucumber	wet	0.06	B	0.03	0.16	mg/kg	B140292	1400200
1408020-09	Be	Sea Cucumber	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-09	Cd	Sea Cucumber	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-09	Co	Sea Cucumber	wet	0.02	U	0.02	0.16	mg/kg	B140292	1400200
1408020-09	Cr	Sea Cucumber	wet	0.046	M, B	0.018	0.120	mg/kg	B140357	1400204
1408020-09	Cu	Sea Cucumber	wet	0.47		0.03	0.16	mg/kg	B140292	1400200
1408020-09	DMAs	Sea Cucumber	wet	0.004	U	0.004	0.011	mg/kg	B140303	1400182
1408020-09	Fe	Sea Cucumber	wet	2.66		0.080	0.798	mg/kg	B140357	1400204
1408020-09	Hg	Sea Cucumber	wet	0.16	B	0.13	0.43	ng/g	B140299	1400179
1408020-09	MeHg	Sea Cucumber	wet	0.95	U	0.95	2.84	ng/g	B140300	1400195
1408020-09	MMAs	Sea Cucumber	wet	0.004	U	0.004	0.011	mg/kg	B140304	1400183
1408020-09	Mn	Sea Cucumber	wet	0.21		0.01	0.04	mg/kg	B140292	1400200
1408020-09	Pb	Sea Cucumber	wet	0.07		0.004	0.04	mg/kg	B140398	1400220
1408020-09	Sb	Sea Cucumber	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-09	Se	Sea Cucumber	wet	0.352		0.060	0.150	mg/kg	B140388	1400231
1408020-09	Tl	Sea Cucumber	wet	0.002	U	0.002	0.008	mg/kg	B140292	1400200
1408020-09	V	Sea Cucumber	wet	0.024	B	0.014	0.120	mg/kg	B140357	1400204
1408020-09	Zn	Sea Cucumber	wet	0.81	B	0.20	1.00	mg/kg	B140292	1400200

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK102L										
1408020-18	Ag	Limu (seaweed)	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-18	Al	Limu (seaweed)	wet	367		0.14	0.81	mg/kg	B140398	1400220
1408020-18	As	Limu (seaweed)	wet	2.29	J	0.014	0.040	mg/kg	B140388	1400231
1408020-18	As(III)	Limu (seaweed)	wet	0.652		0.038	0.096	mg/kg	B140302	1400181
1408020-18	As(Inorg)	Limu (seaweed)	wet	0.822		0.038	0.096	mg/kg	B140301	1400175
1408020-18	As(V)	Limu (seaweed)	wet	0.170		0.038	0.096	mg/kg	[CALC]	N/A
1408020-18	Ba	Limu (seaweed)	wet	1.54		0.03	0.16	mg/kg	B140292	1400200
1408020-18	Be	Limu (seaweed)	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-18	Cd	Limu (seaweed)	wet	0.02	B	0.007	0.02	mg/kg	B140292	1400200
1408020-18	Co	Limu (seaweed)	wet	0.59		0.02	0.16	mg/kg	B140292	1400200
1408020-18	Cr	Limu (seaweed)	wet	2.58		0.018	0.121	mg/kg	B140357	1400204
1408020-18	Cu	Limu (seaweed)	wet	1.07		0.03	0.16	mg/kg	B140292	1400200
1408020-18	DMAs	Limu (seaweed)	wet	0.293		0.004	0.011	mg/kg	B140303	1400182
1408020-18	Fe	Limu (seaweed)	wet	822		0.081	0.808	mg/kg	B140357	1400204
1408020-18	Hg	Limu (seaweed)	wet	3.67		0.12	0.40	ng/g	B140299	1400179
1408020-18	MeHg	Limu (seaweed)	wet	1.09	U	1.09	3.26	ng/g	B140300	1400195
1408020-18	MMAs	Limu (seaweed)	wet	0.004	U	0.004	0.011	mg/kg	B140304	1400183
1408020-18	Mn	Limu (seaweed)	wet	12.5		0.01	0.04	mg/kg	B140292	1400200
1408020-18	Pb	Limu (seaweed)	wet	1.39		0.004	0.04	mg/kg	B140398	1400220
1408020-18	Sb	Limu (seaweed)	wet	0.01	B	0.007	0.02	mg/kg	B140292	1400200
1408020-18	Se	Limu (seaweed)	wet	0.061	U	0.061	0.152	mg/kg	B140388	1400231
1408020-18	Tl	Limu (seaweed)	wet	0.007	B	0.002	0.008	mg/kg	B140292	1400200
1408020-18	V	Limu (seaweed)	wet	3.86		0.014	0.121	mg/kg	B140357	1400204
1408020-18	Zn	Limu (seaweed)	wet	2.56		0.20	1.01	mg/kg	B140292	1400200

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK102O										
1408020-02	Ag	Octopus	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-02	Al	Octopus	wet	0.53	B	0.14	0.79	mg/kg	B140398	1400220
1408020-02	As	Octopus	wet	30.7	J	0.014	0.040	mg/kg	B140388	1400231
1408020-02	As(III)	Octopus	wet	0.004	U	0.004	0.010	mg/kg	B140302	1400181
1408020-02	As(Inorg)	Octopus	wet	0.004	U	0.004	0.010	mg/kg	B140301	1400175
1408020-02	As(V)	Octopus	wet	0.004	U	0.004	0.010	mg/kg	[CALC]	N/A
1408020-02	Ba	Octopus	wet	0.03	U	0.03	0.16	mg/kg	B140292	1400200
1408020-02	Be	Octopus	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-02	Cd	Octopus	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-02	Co	Octopus	wet	0.02	U	0.02	0.16	mg/kg	B140292	1400200
1408020-02	Cr	Octopus	wet	0.018	U	0.018	0.119	mg/kg	B140357	1400204
1408020-02	Cu	Octopus	wet	7.25		0.03	0.16	mg/kg	B140292	1400200
1408020-02	DMAs	Octopus	wet	0.029		0.004	0.012	mg/kg	B140303	1400182
1408020-02	Fe	Octopus	wet	1.13		0.079	0.791	mg/kg	B140357	1400204
1408020-02	Hg	Octopus	wet	8.41		0.12	0.40	ng/g	B140299	1400179
1408020-02	MeHg	Octopus	wet	7.99		0.92	2.75	ng/g	B140300	1400195
1408020-02	MMAs	Octopus	wet	0.004	U	0.004	0.012	mg/kg	B140304	1400183
1408020-02	Mn	Octopus	wet	0.25		0.01	0.04	mg/kg	B140292	1400200
1408020-02	Pb	Octopus	wet	0.02	B	0.004	0.04	mg/kg	B140398	1400220
1408020-02	Sb	Octopus	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-02	Se	Octopus	wet	0.241		0.059	0.148	mg/kg	B140388	1400231
1408020-02	Tl	Octopus	wet	0.002	U	0.002	0.008	mg/kg	B140292	1400200
1408020-02	V	Octopus	wet	0.014	U	0.014	0.119	mg/kg	B140357	1400204
1408020-02	Zn	Octopus	wet	14.7		0.20	0.99	mg/kg	B140292	1400200

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK103C										
1408020-10	Ag	Sea Cucumber	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-10	Al	Sea Cucumber	wet	14.2		0.13	0.77	mg/kg	B140398	1400220
1408020-10	As	Sea Cucumber	wet	0.590	J	0.013	0.038	mg/kg	B140388	1400231
1408020-10	As(III)	Sea Cucumber	wet	0.017		0.004	0.010	mg/kg	B140302	1400181
1408020-10	As(Inorg)	Sea Cucumber	wet	0.055		0.004	0.010	mg/kg	B140301	1400175
1408020-10	As(V)	Sea Cucumber	wet	0.039		0.004	0.010	mg/kg	[CALC]	N/A
1408020-10	Ba	Sea Cucumber	wet	0.05	B	0.03	0.15	mg/kg	B140292	1400200
1408020-10	Be	Sea Cucumber	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-10	Cd	Sea Cucumber	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-10	Co	Sea Cucumber	wet	0.03	B	0.02	0.15	mg/kg	B140292	1400200
1408020-10	Cr	Sea Cucumber	wet	0.141		0.017	0.115	mg/kg	B140357	1400204
1408020-10	Cu	Sea Cucumber	wet	0.44		0.03	0.15	mg/kg	B140292	1400200
1408020-10	DMAs	Sea Cucumber	wet	0.005	B	0.004	0.011	mg/kg	B140303	1400182
1408020-10	Fe	Sea Cucumber	wet	23.2		0.077	0.769	mg/kg	B140357	1400204
1408020-10	Hg	Sea Cucumber	wet	0.26	B	0.13	0.43	ng/g	B140299	1400179
1408020-10	MeHg	Sea Cucumber	wet	1.05	N, U	1.05	3.14	ng/g	B140300	1400195
1408020-10	MMAs	Sea Cucumber	wet	0.004	U	0.004	0.011	mg/kg	B140304	1400183
1408020-10	Mn	Sea Cucumber	wet	0.40		0.01	0.04	mg/kg	B140292	1400200
1408020-10	Pb	Sea Cucumber	wet	0.04	B	0.004	0.04	mg/kg	B140398	1400220
1408020-10	Sb	Sea Cucumber	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-10	Se	Sea Cucumber	wet	0.349		0.058	0.144	mg/kg	B140388	1400231
1408020-10	Tl	Sea Cucumber	wet	0.002	U	0.002	0.008	mg/kg	B140292	1400200
1408020-10	V	Sea Cucumber	wet	0.101	B	0.013	0.115	mg/kg	B140357	1400204
1408020-10	Zn	Sea Cucumber	wet	1.07		0.19	0.96	mg/kg	B140292	1400200

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Client PO: 22678 BSD

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK103O										
1408020-03	Ag	Octopus	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-03	Al	Octopus	wet	0.87		0.13	0.76	mg/kg	B140398	1400220
1408020-03	As	Octopus	wet	32.3	J	0.013	0.038	mg/kg	B140388	1400231
1408020-03	As(III)	Octopus	wet	0.004	U	0.004	0.009	mg/kg	B140302	1400181
1408020-03	As(Inorg)	Octopus	wet	0.004	U	0.004	0.009	mg/kg	B140301	1400175
1408020-03	As(V)	Octopus	wet	0.004	U	0.004	0.009	mg/kg	[CALC]	N/A
1408020-03	Ba	Octopus	wet	0.03	U	0.03	0.15	mg/kg	B140292	1400200
1408020-03	Be	Octopus	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-03	Cd	Octopus	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-03	Co	Octopus	wet	0.02	U	0.02	0.15	mg/kg	B140292	1400200
1408020-03	Cr	Octopus	wet	0.017	U	0.017	0.115	mg/kg	B140357	1400204
1408020-03	Cu	Octopus	wet	4.14		0.03	0.15	mg/kg	B140292	1400200
1408020-03	DMAs	Octopus	wet	0.018		0.004	0.011	mg/kg	B140303	1400182
1408020-03	Fe	Octopus	wet	1.36		0.076	0.763	mg/kg	B140357	1400204
1408020-03	Hg	Octopus	wet	12.2		0.13	0.42	ng/g	B140299	1400179
1408020-03	MeHg	Octopus	wet	9.27		1.06	3.19	ng/g	B140300	1400195
1408020-03	MMAs	Octopus	wet	0.004	U	0.004	0.011	mg/kg	B140304	1400183
1408020-03	Mn	Octopus	wet	0.30		0.01	0.04	mg/kg	B140292	1400200
1408020-03	Pb	Octopus	wet	0.007	B	0.004	0.04	mg/kg	B140398	1400220
1408020-03	Sb	Octopus	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-03	Se	Octopus	wet	0.300		0.057	0.143	mg/kg	B140388	1400231
1408020-03	Tl	Octopus	wet	0.002	U	0.002	0.008	mg/kg	B140292	1400200
1408020-03	V	Octopus	wet	0.013	U	0.013	0.115	mg/kg	B140357	1400204
1408020-03	Zn	Octopus	wet	13.7		0.19	0.95	mg/kg	B140292	1400200

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK104C										
1408020-11	Ag	Sea Cucumber	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-11	Al	Sea Cucumber	wet	4.07		0.14	0.79	mg/kg	B140398	1400220
1408020-11	As	Sea Cucumber	wet	0.462	J	0.014	0.039	mg/kg	B140388	1400231
1408020-11	As(III)	Sea Cucumber	wet	0.006	B	0.004	0.009	mg/kg	B140302	1400181
1408020-11	As(Inorg)	Sea Cucumber	wet	0.013		0.004	0.009	mg/kg	B140301	1400175
1408020-11	As(V)	Sea Cucumber	wet	0.007	B	0.004	0.009	mg/kg	[CALC]	N/A
1408020-11	Ba	Sea Cucumber	wet	0.04	B	0.03	0.16	mg/kg	B140292	1400200
1408020-11	Be	Sea Cucumber	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-11	Cd	Sea Cucumber	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-11	Co	Sea Cucumber	wet	0.02	U	0.02	0.16	mg/kg	B140292	1400200
1408020-11	Cr	Sea Cucumber	wet	0.095	B	0.018	0.118	mg/kg	B140357	1400204
1408020-11	Cu	Sea Cucumber	wet	0.44		0.03	0.16	mg/kg	B140292	1400200
1408020-11	DMAs	Sea Cucumber	wet	0.004	U	0.004	0.011	mg/kg	B140303	1400182
1408020-11	Fe	Sea Cucumber	wet	7.32		0.079	0.786	mg/kg	B140357	1400204
1408020-11	Hg	Sea Cucumber	wet	0.43		0.11	0.37	ng/g	B140299	1400179
1408020-11	MeHg	Sea Cucumber	wet	1.06	U	1.06	3.18	ng/g	B140300	1400195
1408020-11	MMAs	Sea Cucumber	wet	0.004	U	0.004	0.011	mg/kg	B140304	1400183
1408020-11	Mn	Sea Cucumber	wet	0.21		0.01	0.04	mg/kg	B140292	1400200
1408020-11	Pb	Sea Cucumber	wet	0.03	B	0.004	0.04	mg/kg	B140398	1400220
1408020-11	Sb	Sea Cucumber	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-11	Se	Sea Cucumber	wet	0.388		0.059	0.147	mg/kg	B140388	1400231
1408020-11	Tl	Sea Cucumber	wet	0.002	U	0.002	0.008	mg/kg	B140292	1400200
1408020-11	V	Sea Cucumber	wet	0.038	B	0.014	0.118	mg/kg	B140357	1400204
1408020-11	Zn	Sea Cucumber	wet	0.96	B	0.20	0.98	mg/kg	B140292	1400200

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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
MAK104O										
1408020-04	Ag	Octopus	wet	0.02	U	0.02	0.09	mg/kg	B140456	1400234
1408020-04	Al	Octopus	wet	0.53	B	0.13	0.76	mg/kg	B140398	1400220
1408020-04	As	Octopus	wet	27.5	J	0.013	0.038	mg/kg	B140388	1400231
1408020-04	As(III)	Octopus	wet	0.004	U	0.004	0.010	mg/kg	B140302	1400181
1408020-04	As(Inorg)	Octopus	wet	0.004	U	0.004	0.010	mg/kg	B140301	1400175
1408020-04	As(V)	Octopus	wet	0.004	U	0.004	0.010	mg/kg	[CALC]	N/A
1408020-04	Ba	Octopus	wet	0.03	U	0.03	0.15	mg/kg	B140292	1400200
1408020-04	Be	Octopus	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-04	Cd	Octopus	wet	0.008	B	0.007	0.02	mg/kg	B140292	1400200
1408020-04	Co	Octopus	wet	0.02	U	0.02	0.15	mg/kg	B140292	1400200
1408020-04	Cr	Octopus	wet	0.017	U	0.017	0.114	mg/kg	B140357	1400204
1408020-04	Cu	Octopus	wet	7.80		0.03	0.15	mg/kg	B140292	1400200
1408020-04	DMAs	Octopus	wet	0.010	B	0.004	0.012	mg/kg	B140303	1400182
1408020-04	Fe	Octopus	wet	1.34		0.076	0.758	mg/kg	B140357	1400204
1408020-04	Hg	Octopus	wet	14.9		0.12	0.40	ng/g	B140299	1400179
1408020-04	MeHg	Octopus	wet	14.1		1.01	3.04	ng/g	B140300	1400195
1408020-04	MMAs	Octopus	wet	0.004	U	0.004	0.012	mg/kg	B140304	1400183
1408020-04	Mn	Octopus	wet	0.42		0.01	0.04	mg/kg	B140292	1400200
1408020-04	Pb	Octopus	wet	0.05		0.004	0.04	mg/kg	B140398	1400220
1408020-04	Sb	Octopus	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-04	Se	Octopus	wet	0.311		0.057	0.142	mg/kg	B140388	1400231
1408020-04	Tl	Octopus	wet	0.002	U	0.002	0.008	mg/kg	B140292	1400200
1408020-04	V	Octopus	wet	0.013	U	0.013	0.114	mg/kg	B140357	1400204
1408020-04	Zn	Octopus	wet	15.1		0.19	0.95	mg/kg	B140292	1400200

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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
MAK105C										
1408020-12	Ag	Sea Cucumber	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-12	Al	Sea Cucumber	wet	1.40		0.14	0.80	mg/kg	B140398	1400220
1408020-12	As	Sea Cucumber	wet	0.340	J	0.014	0.040	mg/kg	B140388	1400231
1408020-12	As(III)	Sea Cucumber	wet	0.004	U	0.004	0.009	mg/kg	B140302	1400181
1408020-12	As(Inorg)	Sea Cucumber	wet	0.006	B	0.004	0.009	mg/kg	B140301	1400175
1408020-12	As(V)	Sea Cucumber	wet	0.006	B	0.004	0.009	mg/kg	[CALC]	N/A
1408020-12	Ba	Sea Cucumber	wet	0.05	B	0.03	0.16	mg/kg	B140292	1400200
1408020-12	Be	Sea Cucumber	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-12	Cd	Sea Cucumber	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-12	Co	Sea Cucumber	wet	0.03	B	0.02	0.16	mg/kg	B140292	1400200
1408020-12	Cr	Sea Cucumber	wet	0.144		0.018	0.121	mg/kg	B140357	1400204
1408020-12	Cu	Sea Cucumber	wet	0.46		0.03	0.16	mg/kg	B140292	1400200
1408020-12	DMAs	Sea Cucumber	wet	0.004	U	0.004	0.011	mg/kg	B140303	1400182
1408020-12	Fe	Sea Cucumber	wet	4.58	M	0.080	0.805	mg/kg	B140357	1400204
1408020-12	Hg	Sea Cucumber	wet	0.32	B	0.13	0.43	ng/g	B140299	1400179
1408020-12	MeHg	Sea Cucumber	wet	0.94	U	0.94	2.81	ng/g	B140300	1400195
1408020-12	MMAs	Sea Cucumber	wet	0.004	U	0.004	0.011	mg/kg	B140304	1400183
1408020-12	Mn	Sea Cucumber	wet	0.18		0.01	0.04	mg/kg	B140292	1400200
1408020-12	Pb	Sea Cucumber	wet	0.06		0.004	0.04	mg/kg	B140398	1400220
1408020-12	Sb	Sea Cucumber	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-12	Se	Sea Cucumber	wet	0.261		0.060	0.151	mg/kg	B140388	1400231
1408020-12	Tl	Sea Cucumber	wet	0.002	U	0.002	0.008	mg/kg	B140292	1400200
1408020-12	V	Sea Cucumber	wet	0.037	B	0.014	0.121	mg/kg	B140357	1400204
1408020-12	Zn	Sea Cucumber	wet	0.96	B	0.20	1.01	mg/kg	B140292	1400200

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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
MAK105L										
1408020-19	Ag	Limu (seaweed)	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-19	Al	Limu (seaweed)	wet	26.3		0.14	0.79	mg/kg	B140398	1400220
1408020-19	As	Limu (seaweed)	wet	2.01	J	0.014	0.039	mg/kg	B140388	1400231
1408020-19	As(III)	Limu (seaweed)	wet	0.651		0.038	0.095	mg/kg	B140302	1400181
1408020-19	As(Inorg)	Limu (seaweed)	wet	0.805		0.038	0.095	mg/kg	B140301	1400175
1408020-19	As(V)	Limu (seaweed)	wet	0.154		0.038	0.095	mg/kg	[CALC]	N/A
1408020-19	Ba	Limu (seaweed)	wet	0.89		0.03	0.16	mg/kg	B140292	1400200
1408020-19	Be	Limu (seaweed)	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-19	Cd	Limu (seaweed)	wet	0.02	B	0.007	0.02	mg/kg	B140292	1400200
1408020-19	Co	Limu (seaweed)	wet	0.11	B	0.02	0.16	mg/kg	B140292	1400200
1408020-19	Cr	Limu (seaweed)	wet	0.337		0.018	0.118	mg/kg	B140357	1400204
1408020-19	Cu	Limu (seaweed)	wet	0.64		0.03	0.16	mg/kg	B140292	1400200
1408020-19	DMAs	Limu (seaweed)	wet	0.248		0.004	0.011	mg/kg	B140303	1400182
1408020-19	Fe	Limu (seaweed)	wet	104		0.079	0.786	mg/kg	B140357	1400204
1408020-19	Hg	Limu (seaweed)	wet	2.16		0.12	0.40	ng/g	B140299	1400179
1408020-19	MeHg	Limu (seaweed)	wet	1.04	U	1.04	3.13	ng/g	B140300	1400195
1408020-19	MMAs	Limu (seaweed)	wet	0.004	U	0.004	0.011	mg/kg	B140304	1400183
1408020-19	Mn	Limu (seaweed)	wet	2.14		0.01	0.04	mg/kg	B140292	1400200
1408020-19	Pb	Limu (seaweed)	wet	0.16		0.004	0.04	mg/kg	B140398	1400220
1408020-19	Sb	Limu (seaweed)	wet	0.009	B	0.007	0.02	mg/kg	B140292	1400200
1408020-19	Se	Limu (seaweed)	wet	0.059	U	0.059	0.147	mg/kg	B140388	1400231
1408020-19	Tl	Limu (seaweed)	wet	0.003	B	0.002	0.008	mg/kg	B140292	1400200
1408020-19	V	Limu (seaweed)	wet	1.86		0.014	0.118	mg/kg	B140357	1400204
1408020-19	Zn	Limu (seaweed)	wet	1.27		0.20	0.98	mg/kg	B140292	1400200

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK105O										
1408020-05	Ag	Octopus	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-05	Al	Octopus	wet	0.77	B	0.14	0.78	mg/kg	B140398	1400220
1408020-05	As	Octopus	wet	24.2	J	0.014	0.039	mg/kg	B140388	1400231
1408020-05	As(III)	Octopus	wet	0.004	U	0.004	0.009	mg/kg	B140302	1400181
1408020-05	As(Inorg)	Octopus	wet	0.004	U	0.004	0.009	mg/kg	B140301	1400175
1408020-05	As(V)	Octopus	wet	0.004	U	0.004	0.009	mg/kg	[CALC]	N/A
1408020-05	Ba	Octopus	wet	0.03	U	0.03	0.16	mg/kg	B140292	1400200
1408020-05	Be	Octopus	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-05	Cd	Octopus	wet	0.008	B	0.007	0.02	mg/kg	B140292	1400200
1408020-05	Co	Octopus	wet	0.02	U	0.02	0.16	mg/kg	B140292	1400200
1408020-05	Cr	Octopus	wet	0.019	B	0.018	0.117	mg/kg	B140357	1400204
1408020-05	Cu	Octopus	wet	6.90		0.03	0.16	mg/kg	B140292	1400200
1408020-05	DMAs	Octopus	wet	0.008	B	0.004	0.011	mg/kg	B140303	1400182
1408020-05	Fe	Octopus	wet	2.78		0.078	0.781	mg/kg	B140357	1400204
1408020-05	Hg	Octopus	wet	12.7		0.13	0.43	ng/g	B140299	1400179
1408020-05	MeHg	Octopus	wet	12.3		1.05	3.15	ng/g	B140300	1400195
1408020-05	MMAs	Octopus	wet	0.004	U	0.004	0.011	mg/kg	B140304	1400183
1408020-05	Mn	Octopus	wet	0.29		0.01	0.04	mg/kg	B140292	1400200
1408020-05	Pb	Octopus	wet	0.03	B	0.004	0.04	mg/kg	B140398	1400220
1408020-05	Sb	Octopus	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-05	Se	Octopus	wet	0.318		0.059	0.146	mg/kg	B140388	1400231
1408020-05	Tl	Octopus	wet	0.002	U	0.002	0.008	mg/kg	B140292	1400200
1408020-05	V	Octopus	wet	0.014	U	0.014	0.117	mg/kg	B140357	1400204
1408020-05	Zn	Octopus	wet	14.2		0.20	0.98	mg/kg	B140292	1400200

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK106C										
1408020-13	Ag	Sea Cucumber	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-13	Al	Sea Cucumber	wet	15.4		0.13	0.77	mg/kg	B140398	1400220
1408020-13	As	Sea Cucumber	wet	0.750	J	0.013	0.038	mg/kg	B140388	1400231
1408020-13	As(III)	Sea Cucumber	wet	0.019		0.004	0.009	mg/kg	B140302	1400181
1408020-13	As(Inorg)	Sea Cucumber	wet	0.071		0.004	0.009	mg/kg	B140301	1400175
1408020-13	As(V)	Sea Cucumber	wet	0.052		0.004	0.009	mg/kg	[CALC]	N/A
1408020-13	Ba	Sea Cucumber	wet	0.10	B	0.03	0.15	mg/kg	B140292	1400200
1408020-13	Be	Sea Cucumber	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-13	Cd	Sea Cucumber	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-13	Co	Sea Cucumber	wet	0.04	B	0.02	0.15	mg/kg	B140292	1400200
1408020-13	Cr	Sea Cucumber	wet	0.211		0.017	0.115	mg/kg	B140357	1400204
1408020-13	Cu	Sea Cucumber	wet	0.69		0.03	0.15	mg/kg	B140292	1400200
1408020-13	DMAs	Sea Cucumber	wet	0.004	U	0.004	0.011	mg/kg	B140303	1400182
1408020-13	Fe	Sea Cucumber	wet	29.1		0.077	0.768	mg/kg	B140357	1400204
1408020-13	Hg	Sea Cucumber	wet	0.37	B	0.12	0.41	ng/g	B140299	1400179
1408020-13	MeHg	Sea Cucumber	wet	0.93	U	0.93	2.80	ng/g	B140300	1400195
1408020-13	MMAs	Sea Cucumber	wet	0.004	U	0.004	0.011	mg/kg	B140304	1400183
1408020-13	Mn	Sea Cucumber	wet	0.71		0.01	0.04	mg/kg	B140292	1400200
1408020-13	Pb	Sea Cucumber	wet	0.09		0.004	0.04	mg/kg	B140398	1400220
1408020-13	Sb	Sea Cucumber	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-13	Se	Sea Cucumber	wet	0.574		0.058	0.144	mg/kg	B140388	1400231
1408020-13	Tl	Sea Cucumber	wet	0.002	U	0.002	0.008	mg/kg	B140292	1400200
1408020-13	V	Sea Cucumber	wet	0.099	B	0.013	0.115	mg/kg	B140357	1400204
1408020-13	Zn	Sea Cucumber	wet	1.47		0.19	0.96	mg/kg	B140292	1400200

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Client PO: 22678 BSD

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK106L										
1408020-20	Ag	Limu (seaweed)	wet	0.02	U	0.02	0.09	mg/kg	B140456	1400234
1408020-20	Al	Limu (seaweed)	wet	26.2		0.13	0.75	mg/kg	B140398	1400220
1408020-20	As	Limu (seaweed)	wet	1.82	J	0.013	0.037	mg/kg	B140388	1400231
1408020-20	As(III)	Limu (seaweed)	wet	0.232		0.035	0.088	mg/kg	B140302	1400181
1408020-20	As(Inorg)	Limu (seaweed)	wet	0.258		0.070	0.175	mg/kg	B140301	1400175
1408020-20	As(V)	Limu (seaweed)	wet	0.070	U	0.070	0.175	mg/kg	[CALC]	N/A
1408020-20	Ba	Limu (seaweed)	wet	0.33		0.03	0.15	mg/kg	B140292	1400200
1408020-20	Be	Limu (seaweed)	wet	0.03	U	0.03	0.08	mg/kg	B140398	1400220
1408020-20	Cd	Limu (seaweed)	wet	0.01	B	0.007	0.02	mg/kg	B140292	1400200
1408020-20	Co	Limu (seaweed)	wet	0.08	B	0.02	0.15	mg/kg	B140292	1400200
1408020-20	Cr	Limu (seaweed)	wet	0.244		0.017	0.112	mg/kg	B140357	1400204
1408020-20	Cu	Limu (seaweed)	wet	0.54		0.03	0.15	mg/kg	B140292	1400200
1408020-20	DMAs	Limu (seaweed)	wet	0.249		0.014	0.042	mg/kg	B140303	1400182
1408020-20	Fe	Limu (seaweed)	wet	65.5		0.075	0.748	mg/kg	B140357	1400204
1408020-20	Hg	Limu (seaweed)	wet	2.43		0.12	0.41	ng/g	B140299	1400179
1408020-20	MeHg	Limu (seaweed)	wet	1.01	N, U	1.01	3.04	ng/g	B140300	1400195
1408020-20	MMAs	Limu (seaweed)	wet	0.032	B	0.014	0.042	mg/kg	B140304	1400193
1408020-20	Mn	Limu (seaweed)	wet	1.62		0.01	0.04	mg/kg	B140292	1400200
1408020-20	Pb	Limu (seaweed)	wet	0.14		0.004	0.04	mg/kg	B140398	1400220
1408020-20	Sb	Limu (seaweed)	wet	0.01	B	0.007	0.02	mg/kg	B140292	1400200
1408020-20	Se	Limu (seaweed)	wet	0.056	U	0.056	0.140	mg/kg	B140388	1400231
1408020-20	Tl	Limu (seaweed)	wet	0.004	B	0.002	0.007	mg/kg	B140292	1400200
1408020-20	V	Limu (seaweed)	wet	1.25		0.013	0.112	mg/kg	B140357	1400204
1408020-20	Zn	Limu (seaweed)	wet	1.26		0.19	0.93	mg/kg	B140292	1400200

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK106O										
1408020-06	Ag	Octopus	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-06	Al	Octopus	wet	0.55	B	0.13	0.77	mg/kg	B140398	1400220
1408020-06	As	Octopus	wet	24.6	J	0.013	0.038	mg/kg	B140388	1400231
1408020-06	As(III)	Octopus	wet	0.004	U	0.004	0.009	mg/kg	B140302	1400181
1408020-06	As(Inorg)	Octopus	wet	0.004	U	0.004	0.009	mg/kg	B140301	1400175
1408020-06	As(V)	Octopus	wet	0.004	U	0.004	0.009	mg/kg	[CALC]	N/A
1408020-06	Ba	Octopus	wet	0.03	U	0.03	0.15	mg/kg	B140292	1400200
1408020-06	Be	Octopus	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-06	Cd	Octopus	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-06	Co	Octopus	wet	0.02	U	0.02	0.15	mg/kg	B140292	1400200
1408020-06	Cr	Octopus	wet	0.017	U	0.017	0.115	mg/kg	B140357	1400204
1408020-06	Cu	Octopus	wet	7.37		0.03	0.15	mg/kg	B140292	1400200
1408020-06	DMAs	Octopus	wet	0.006	B	0.004	0.011	mg/kg	B140303	1400182
1408020-06	Fe	Octopus	wet	0.949		0.077	0.769	mg/kg	B140357	1400204
1408020-06	Hg	Octopus	wet	18.7		0.13	0.42	ng/g	B140299	1400179
1408020-06	MeHg	Octopus	wet	15.9		0.97	2.90	ng/g	B140300	1400195
1408020-06	MMAs	Octopus	wet	0.004	U	0.004	0.011	mg/kg	B140304	1400183
1408020-06	Mn	Octopus	wet	0.26		0.01	0.04	mg/kg	B140292	1400200
1408020-06	Pb	Octopus	wet	0.02	B	0.004	0.04	mg/kg	B140398	1400220
1408020-06	Sb	Octopus	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-06	Se	Octopus	wet	0.296		0.058	0.144	mg/kg	B140388	1400231
1408020-06	Tl	Octopus	wet	0.002	U	0.002	0.008	mg/kg	B140292	1400200
1408020-06	V	Octopus	wet	0.013	U	0.013	0.115	mg/kg	B140357	1400204
1408020-06	Zn	Octopus	wet	15.1		0.19	0.96	mg/kg	B140292	1400200

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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
MAK107C										
1408020-14	Ag	Sea Cucumber	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-14	Al	Sea Cucumber	wet	8.65		0.14	0.81	mg/kg	B140398	1400220
1408020-14	As	Sea Cucumber	wet	0.540	J	0.014	0.040	mg/kg	B140388	1400231
1408020-14	As(III)	Sea Cucumber	wet	0.011		0.004	0.010	mg/kg	B140302	1400181
1408020-14	As(Inorg)	Sea Cucumber	wet	0.025		0.004	0.010	mg/kg	B140301	1400175
1408020-14	As(V)	Sea Cucumber	wet	0.015		0.004	0.010	mg/kg	[CALC]	N/A
1408020-14	Ba	Sea Cucumber	wet	0.11	B	0.03	0.16	mg/kg	B140292	1400200
1408020-14	Be	Sea Cucumber	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-14	Cd	Sea Cucumber	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-14	Co	Sea Cucumber	wet	0.04	B	0.02	0.16	mg/kg	B140292	1400200
1408020-14	Cr	Sea Cucumber	wet	0.326		0.018	0.121	mg/kg	B140357	1400204
1408020-14	Cu	Sea Cucumber	wet	8.81		0.03	0.16	mg/kg	B140292	1400200
1408020-14	DMAs	Sea Cucumber	wet	0.004	U	0.004	0.012	mg/kg	B140303	1400182
1408020-14	Fe	Sea Cucumber	wet	17.1		0.081	0.806	mg/kg	B140357	1400204
1408020-14	Hg	Sea Cucumber	wet	0.19	B	0.12	0.41	ng/g	B140299	1400179
1408020-14	MeHg	Sea Cucumber	wet	1.10	U	1.10	3.30	ng/g	B140300	1400195
1408020-14	MMAs	Sea Cucumber	wet	0.004	U	0.004	0.012	mg/kg	B140304	1400183
1408020-14	Mn	Sea Cucumber	wet	0.43		0.01	0.04	mg/kg	B140292	1400200
1408020-14	Pb	Sea Cucumber	wet	0.27		0.004	0.04	mg/kg	B140398	1400220
1408020-14	Sb	Sea Cucumber	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-14	Se	Sea Cucumber	wet	0.362		0.060	0.151	mg/kg	B140388	1400231
1408020-14	Tl	Sea Cucumber	wet	0.002	U	0.002	0.008	mg/kg	B140292	1400200
1408020-14	V	Sea Cucumber	wet	0.075	B	0.014	0.121	mg/kg	B140357	1400204
1408020-14	Zn	Sea Cucumber	wet	20.3		0.20	1.01	mg/kg	B140292	1400200

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Client PO: 22678 BSD

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK107O										
1408020-07	Ag	Octopus	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-07	Al	Octopus	wet	0.55	B	0.13	0.76	mg/kg	B140398	1400220
1408020-07	As	Octopus	wet	31.3	J	0.013	0.038	mg/kg	B140388	1400231
1408020-07	As(III)	Octopus	wet	0.004	U	0.004	0.010	mg/kg	B140302	1400181
1408020-07	As(Inorg)	Octopus	wet	0.004	U	0.004	0.010	mg/kg	B140301	1400175
1408020-07	As(V)	Octopus	wet	0.004	U	0.004	0.010	mg/kg	[CALC]	N/A
1408020-07	Ba	Octopus	wet	0.03	U	0.03	0.15	mg/kg	B140292	1400200
1408020-07	Be	Octopus	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-07	Cd	Octopus	wet	0.01	B	0.007	0.02	mg/kg	B140292	1400200
1408020-07	Co	Octopus	wet	0.02	U	0.02	0.15	mg/kg	B140292	1400200
1408020-07	Cr	Octopus	wet	0.027	B	0.017	0.114	mg/kg	B140357	1400204
1408020-07	Cu	Octopus	wet	6.32		0.03	0.15	mg/kg	B140292	1400200
1408020-07	DMAs	Octopus	wet	0.007	B	0.004	0.011	mg/kg	B140303	1400182
1408020-07	Fe	Octopus	wet	1.73		0.076	0.762	mg/kg	B140357	1400204
1408020-07	Hg	Octopus	wet	17.7		0.12	0.42	ng/g	B140299	1400179
1408020-07	MeHg	Octopus	wet	14.5		1.06	3.19	ng/g	B140300	1400195
1408020-07	MMAs	Octopus	wet	0.004	U	0.004	0.011	mg/kg	B140304	1400183
1408020-07	Mn	Octopus	wet	0.25		0.01	0.04	mg/kg	B140292	1400200
1408020-07	Pb	Octopus	wet	0.02	B	0.004	0.04	mg/kg	B140398	1400220
1408020-07	Sb	Octopus	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-07	Se	Octopus	wet	0.288		0.057	0.143	mg/kg	B140388	1400231
1408020-07	Tl	Octopus	wet	0.002	U	0.002	0.008	mg/kg	B140292	1400200
1408020-07	V	Octopus	wet	0.013	U	0.013	0.114	mg/kg	B140357	1400204
1408020-07	Zn	Octopus	wet	16.2		0.19	0.95	mg/kg	B140292	1400200

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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
MAK108, 109, 110, 113L										
1408020-21	Ag	Limu (seaweed)	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-21	Al	Limu (seaweed)	wet	411		0.14	0.80	mg/kg	B140398	1400220
1408020-21	As	Limu (seaweed)	wet	2.50	J	0.014	0.040	mg/kg	B140388	1400231
1408020-21	As(III)	Limu (seaweed)	wet	0.627		0.034	0.084	mg/kg	B140302	1400181
1408020-21	As(Inorg)	Limu (seaweed)	wet	0.734		0.034	0.084	mg/kg	B140301	1400175
1408020-21	As(V)	Limu (seaweed)	wet	0.106		0.034	0.084	mg/kg	[CALC]	N/A
1408020-21	Ba	Limu (seaweed)	wet	1.46		0.03	0.16	mg/kg	B140292	1400200
1408020-21	Be	Limu (seaweed)	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-21	Cd	Limu (seaweed)	wet	0.03		0.007	0.02	mg/kg	B140292	1400200
1408020-21	Co	Limu (seaweed)	wet	0.47		0.02	0.16	mg/kg	B140292	1400200
1408020-21	Cr	Limu (seaweed)	wet	2.52		0.018	0.120	mg/kg	B140357	1400204
1408020-21	Cu	Limu (seaweed)	wet	1.18		0.03	0.16	mg/kg	B140292	1400200
1408020-21	DMAs	Limu (seaweed)	wet	0.240		0.003	0.010	mg/kg	B140303	1400182
1408020-21	Fe	Limu (seaweed)	wet	821		0.080	0.802	mg/kg	B140357	1400204
1408020-21	Hg	Limu (seaweed)	wet	3.25		0.12	0.41	ng/g	B140299	1400179
1408020-21	MeHg	Limu (seaweed)	wet	1.06	U	1.06	3.19	ng/g	B140300	1400195
1408020-21	MMAs	Limu (seaweed)	wet	0.003	U	0.003	0.010	mg/kg	B140304	1400193
1408020-21	Mn	Limu (seaweed)	wet	11.7		0.01	0.04	mg/kg	B140292	1400200
1408020-21	Pb	Limu (seaweed)	wet	1.58		0.004	0.04	mg/kg	B140398	1400220
1408020-21	Sb	Limu (seaweed)	wet	0.02	B	0.007	0.02	mg/kg	B140292	1400200
1408020-21	Se	Limu (seaweed)	wet	0.060	U	0.060	0.150	mg/kg	B140388	1400231
1408020-21	Tl	Limu (seaweed)	wet	0.008	B	0.002	0.008	mg/kg	B140292	1400200
1408020-21	V	Limu (seaweed)	wet	3.44		0.014	0.120	mg/kg	B140357	1400204
1408020-21	Zn	Limu (seaweed)	wet	3.17		0.20	1.00	mg/kg	B140292	1400200

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK108C										
1408020-15	Ag	Sea Cucumber	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-15	Al	Sea Cucumber	wet	4.50		0.13	0.76	mg/kg	B140398	1400220
1408020-15	As	Sea Cucumber	wet	0.432	J	0.013	0.038	mg/kg	B140388	1400231
1408020-15	As(III)	Sea Cucumber	wet	0.010	B	0.004	0.010	mg/kg	B140302	1400181
1408020-15	As(Inorg)	Sea Cucumber	wet	0.037		0.004	0.010	mg/kg	B140301	1400175
1408020-15	As(V)	Sea Cucumber	wet	0.027		0.004	0.010	mg/kg	[CALC]	N/A
1408020-15	Ba	Sea Cucumber	wet	0.05	B	0.03	0.15	mg/kg	B140292	1400200
1408020-15	Be	Sea Cucumber	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-15	Cd	Sea Cucumber	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-15	Co	Sea Cucumber	wet	0.02	U	0.02	0.15	mg/kg	B140292	1400200
1408020-15	Cr	Sea Cucumber	wet	0.154		0.017	0.114	mg/kg	B140357	1400204
1408020-15	Cu	Sea Cucumber	wet	0.52		0.03	0.15	mg/kg	B140292	1400200
1408020-15	DMAs	Sea Cucumber	wet	0.004	U	0.004	0.012	mg/kg	B140303	1400182
1408020-15	Fe	Sea Cucumber	wet	9.23		0.076	0.762	mg/kg	B140357	1400204
1408020-15	Hg	Sea Cucumber	wet	0.17	B	0.12	0.40	ng/g	B140299	1400179
1408020-15	MeHg	Sea Cucumber	wet	1.03	U	1.03	3.09	ng/g	B140300	1400195
1408020-15	MMAs	Sea Cucumber	wet	0.004	U	0.004	0.012	mg/kg	B140304	1400183
1408020-15	Mn	Sea Cucumber	wet	0.20		0.01	0.04	mg/kg	B140292	1400200
1408020-15	Pb	Sea Cucumber	wet	0.05		0.004	0.04	mg/kg	B140398	1400220
1408020-15	Sb	Sea Cucumber	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-15	Se	Sea Cucumber	wet	0.258		0.057	0.143	mg/kg	B140388	1400231
1408020-15	Tl	Sea Cucumber	wet	0.002	U	0.002	0.008	mg/kg	B140292	1400200
1408020-15	V	Sea Cucumber	wet	0.067	B	0.013	0.114	mg/kg	B140357	1400204
1408020-15	Zn	Sea Cucumber	wet	0.93	B	0.19	0.95	mg/kg	B140292	1400200

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK108O										
1408020-08	Ag	Octopus	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-08	Al	Octopus	wet	0.14	U	0.14	0.78	mg/kg	B140398	1400220
1408020-08	As	Octopus	wet	29.0	J	0.014	0.039	mg/kg	B140388	1400231
1408020-08	As(III)	Octopus	wet	0.003	U	0.003	0.009	mg/kg	B140302	1400181
1408020-08	As(Inorg)	Octopus	wet	0.003	U	0.003	0.009	mg/kg	B140301	1400175
1408020-08	As(V)	Octopus	wet	0.003	U	0.003	0.009	mg/kg	[CALC]	N/A
1408020-08	Ba	Octopus	wet	0.03	U	0.03	0.16	mg/kg	B140292	1400200
1408020-08	Be	Octopus	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-08	Cd	Octopus	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-08	Co	Octopus	wet	0.02	U	0.02	0.16	mg/kg	B140292	1400200
1408020-08	Cr	Octopus	wet	0.022	B	0.018	0.117	mg/kg	B140357	1400204
1408020-08	Cu	Octopus	wet	7.56		0.03	0.16	mg/kg	B140292	1400200
1408020-08	DMAs	Octopus	wet	0.014		0.003	0.010	mg/kg	B140303	1400182
1408020-08	Fe	Octopus	wet	0.901		0.078	0.783	mg/kg	B140357	1400204
1408020-08	Hg	Octopus	wet	9.82		0.12	0.39	ng/g	B140299	1400179
1408020-08	MeHg	Octopus	wet	9.60		1.02	3.06	ng/g	B140300	1400195
1408020-08	MMAs	Octopus	wet	0.003	U	0.003	0.010	mg/kg	B140304	1400183
1408020-08	Mn	Octopus	wet	0.22		0.01	0.04	mg/kg	B140292	1400200
1408020-08	Pb	Octopus	wet	0.03	B	0.004	0.04	mg/kg	B140398	1400220
1408020-08	Sb	Octopus	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-08	Se	Octopus	wet	0.267		0.059	0.147	mg/kg	B140388	1400231
1408020-08	Tl	Octopus	wet	0.002	U	0.002	0.008	mg/kg	B140292	1400200
1408020-08	V	Octopus	wet	0.014	U	0.014	0.117	mg/kg	B140357	1400204
1408020-08	Zn	Octopus	wet	15.0		0.20	0.98	mg/kg	B140292	1400200

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK110C										
1408020-16	Ag	Sea Cucumber	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-16	Al	Sea Cucumber	wet	7.62		0.14	0.80	mg/kg	B140398	1400220
1408020-16	As	Sea Cucumber	wet	0.395	J	0.014	0.040	mg/kg	B140388	1400231
1408020-16	As(III)	Sea Cucumber	wet	0.007	B	0.004	0.010	mg/kg	B140302	1400181
1408020-16	As(Inorg)	Sea Cucumber	wet	0.025		0.004	0.010	mg/kg	B140301	1400175
1408020-16	As(V)	Sea Cucumber	wet	0.018		0.004	0.010	mg/kg	[CALC]	N/A
1408020-16	Ba	Sea Cucumber	wet	0.08	B	0.03	0.16	mg/kg	B140292	1400200
1408020-16	Be	Sea Cucumber	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-16	Cd	Sea Cucumber	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-16	Co	Sea Cucumber	wet	0.03	B	0.02	0.16	mg/kg	B140292	1400200
1408020-16	Cr	Sea Cucumber	wet	0.198		0.018	0.121	mg/kg	B140357	1400204
1408020-16	Cu	Sea Cucumber	wet	0.50		0.03	0.16	mg/kg	B140292	1400200
1408020-16	DMAs	Sea Cucumber	wet	0.006	B	0.004	0.012	mg/kg	B140303	1400182
1408020-16	Fe	Sea Cucumber	wet	18.4		0.080	0.805	mg/kg	B140357	1400204
1408020-16	Hg	Sea Cucumber	wet	0.31	B	0.13	0.44	ng/g	B140299	1400179
1408020-16	MeHg	Sea Cucumber	wet	1.02	U	1.02	3.06	ng/g	B140300	1400195
1408020-16	MMAs	Sea Cucumber	wet	0.004	U	0.004	0.012	mg/kg	B140304	1400183
1408020-16	Mn	Sea Cucumber	wet	0.53		0.01	0.04	mg/kg	B140292	1400200
1408020-16	Pb	Sea Cucumber	wet	0.06		0.004	0.04	mg/kg	B140398	1400220
1408020-16	Sb	Sea Cucumber	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-16	Se	Sea Cucumber	wet	0.238		0.060	0.151	mg/kg	B140388	1400231
1408020-16	Tl	Sea Cucumber	wet	0.002	U	0.002	0.008	mg/kg	B140292	1400200
1408020-16	V	Sea Cucumber	wet	0.062	B	0.014	0.121	mg/kg	B140357	1400204
1408020-16	Zn	Sea Cucumber	wet	0.86	B	0.20	1.01	mg/kg	B140292	1400200

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK111L										
1408020-22	Ag	Limu (seaweed)	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-22	Al	Limu (seaweed)	wet	299		0.14	0.81	mg/kg	B140398	1400220
1408020-22	As	Limu (seaweed)	wet	2.17	J	0.014	0.041	mg/kg	B140388	1400231
1408020-22	As(III)	Limu (seaweed)	wet	0.848		0.040	0.099	mg/kg	B140302	1400181
1408020-22	As(Inorg)	Limu (seaweed)	wet	1.43		0.040	0.099	mg/kg	B140301	1400175
1408020-22	As(V)	Limu (seaweed)	wet	0.581		0.040	0.099	mg/kg	[CALC]	N/A
1408020-22	Ba	Limu (seaweed)	wet	1.45		0.03	0.16	mg/kg	B140292	1400200
1408020-22	Be	Limu (seaweed)	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-22	Cd	Limu (seaweed)	wet	0.02	B	0.007	0.02	mg/kg	B140292	1400200
1408020-22	Co	Limu (seaweed)	wet	0.48		0.02	0.16	mg/kg	B140292	1400200
1408020-22	Cr	Limu (seaweed)	wet	2.00		0.018	0.122	mg/kg	B140357	1400204
1408020-22	Cu	Limu (seaweed)	wet	1.02		0.03	0.16	mg/kg	B140292	1400200
1408020-22	DMAs	Limu (seaweed)	wet	0.197		0.004	0.012	mg/kg	B140303	1400182
1408020-22	Fe	Limu (seaweed)	wet	666		0.081	0.815	mg/kg	B140357	1400204
1408020-22	Hg	Limu (seaweed)	wet	2.46		0.13	0.43	ng/g	B140299	1400179
1408020-22	MeHg	Limu (seaweed)	wet	1.00	U	1.00	3.00	ng/g	B140300	1400195
1408020-22	MMAs	Limu (seaweed)	wet	0.004	U	0.004	0.012	mg/kg	B140304	1400183
1408020-22	Mn	Limu (seaweed)	wet	11.1		0.01	0.04	mg/kg	B140292	1400200
1408020-22	Pb	Limu (seaweed)	wet	1.29		0.004	0.04	mg/kg	B140398	1400220
1408020-22	Sb	Limu (seaweed)	wet	0.01	B	0.007	0.02	mg/kg	B140292	1400200
1408020-22	Se	Limu (seaweed)	wet	0.061	U	0.061	0.153	mg/kg	B140388	1400231
1408020-22	Tl	Limu (seaweed)	wet	0.004	B	0.002	0.008	mg/kg	B140292	1400200
1408020-22	V	Limu (seaweed)	wet	2.72		0.014	0.122	mg/kg	B140357	1400204
1408020-22	Zn	Limu (seaweed)	wet	2.43		0.20	1.02	mg/kg	B140292	1400200

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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
MAK112L										
1408020-23	Ag	Limu (seaweed)	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-23	Al	Limu (seaweed)	wet	438		0.14	0.80	mg/kg	B140398	1400220
1408020-23	As	Limu (seaweed)	wet	2.52	J	0.014	0.040	mg/kg	B140388	1400231
1408020-23	As(III)	Limu (seaweed)	wet	0.704		0.035	0.087	mg/kg	B140302	1400181
1408020-23	As(Inorg)	Limu (seaweed)	wet	0.933		0.035	0.087	mg/kg	B140301	1400175
1408020-23	As(V)	Limu (seaweed)	wet	0.229		0.035	0.087	mg/kg	[CALC]	N/A
1408020-23	Ba	Limu (seaweed)	wet	0.03	U	0.03	0.16	mg/kg	B140292	1400200
1408020-23	Be	Limu (seaweed)	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-23	Cd	Limu (seaweed)	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-23	Co	Limu (seaweed)	wet	0.02	U	0.02	0.16	mg/kg	B140292	1400200
1408020-23	Cr	Limu (seaweed)	wet	3.06		0.018	0.121	mg/kg	B140357	1400204
1408020-23	Cu	Limu (seaweed)	wet	0.03	U	0.03	0.16	mg/kg	B140292	1400200
1408020-23	DMAs	Limu (seaweed)	wet	0.175		0.003	0.010	mg/kg	B140303	1400182
1408020-23	Fe	Limu (seaweed)	wet	957		0.080	0.805	mg/kg	B140357	1400204
1408020-23	Hg	Limu (seaweed)	wet	2.50		0.13	0.43	ng/g	B140299	1400179
1408020-23	MeHg	Limu (seaweed)	wet	1.09	U	1.09	3.28	ng/g	B140300	1400195
1408020-23	MMAs	Limu (seaweed)	wet	0.003	U	0.003	0.010	mg/kg	B140304	1400193
1408020-23	Mn	Limu (seaweed)	wet	0.01	U	0.01	0.04	mg/kg	B140292	1400200
1408020-23	Pb	Limu (seaweed)	wet	1.25		0.004	0.04	mg/kg	B140398	1400220
1408020-23	Sb	Limu (seaweed)	wet	0.007	U	0.007	0.02	mg/kg	B140292	1400200
1408020-23	Se	Limu (seaweed)	wet	0.063	B	0.060	0.151	mg/kg	B140388	1400231
1408020-23	Tl	Limu (seaweed)	wet	0.002	U	0.002	0.008	mg/kg	B140292	1400200
1408020-23	V	Limu (seaweed)	wet	3.85		0.014	0.121	mg/kg	B140357	1400204
1408020-23	Zn	Limu (seaweed)	wet	0.20	U	0.20	1.01	mg/kg	B140292	1400200

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Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
MAK115L										
1408020-24	Ag	Limu (seaweed)	wet	0.02	U	0.02	0.10	mg/kg	B140456	1400234
1408020-24	Al	Limu (seaweed)	wet	26.5	M	0.14	0.77	mg/kg	B140398	1400220
1408020-24	As	Limu (seaweed)	wet	1.75	J	0.014	0.039	mg/kg	B140388	1400231
1408020-24	As(III)	Limu (seaweed)	wet	0.159		0.038	0.095	mg/kg	B140302	1400181
1408020-24	As(Inorg)	Limu (seaweed)	wet	0.175		0.038	0.095	mg/kg	B140301	1400175
1408020-24	As(V)	Limu (seaweed)	wet	0.038	U	0.038	0.095	mg/kg	[CALC]	N/A
1408020-24	Ba	Limu (seaweed)	wet	0.96		0.03	0.15	mg/kg	B140292	1400200
1408020-24	Be	Limu (seaweed)	wet	0.03	U	0.03	0.09	mg/kg	B140398	1400220
1408020-24	Cd	Limu (seaweed)	wet	0.02	B	0.007	0.02	mg/kg	B140292	1400200
1408020-24	Co	Limu (seaweed)	wet	0.04	B	0.02	0.15	mg/kg	B140292	1400200
1408020-24	Cr	Limu (seaweed)	wet	0.146		0.017	0.116	mg/kg	B140357	1400204
1408020-24	Cu	Limu (seaweed)	wet	0.51		0.03	0.15	mg/kg	B140292	1400200
1408020-24	DMAs	Limu (seaweed)	wet	0.206		0.004	0.011	mg/kg	B140303	1400182
1408020-24	Fe	Limu (seaweed)	wet	44.1	M	0.077	0.774	mg/kg	B140357	1400204
1408020-24	Hg	Limu (seaweed)	wet	1.88		0.13	0.42	ng/g	B140299	1400179
1408020-24	MeHg	Limu (seaweed)	wet	1.04	U	1.04	3.12	ng/g	B140300	1400195
1408020-24	MMAs	Limu (seaweed)	wet	0.004	U	0.004	0.011	mg/kg	B140304	1400183
1408020-24	Mn	Limu (seaweed)	wet	1.10		0.01	0.04	mg/kg	B140292	1400200
1408020-24	Pb	Limu (seaweed)	wet	0.14		0.004	0.04	mg/kg	B140398	1400220
1408020-24	Sb	Limu (seaweed)	wet	0.01	B	0.007	0.02	mg/kg	B140292	1400200
1408020-24	Se	Limu (seaweed)	wet	0.058	U	0.058	0.145	mg/kg	B140388	1400231
1408020-24	Tl	Limu (seaweed)	wet	0.004	B	0.002	0.008	mg/kg	B140292	1400200
1408020-24	V	Limu (seaweed)	wet	1.11		0.014	0.116	mg/kg	B140357	1400204
1408020-24	Zn	Limu (seaweed)	wet	2.26		0.19	0.97	mg/kg	B140292	1400200

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

Accuracy & Precision Summary

Batch: B140292
Lab Matrix: Biota
Method: EPA 200.8

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140292-BS1	**Laboratory Fortified Blank (1411016)**								
	Ba		1.600	1.72	mg/kg	108%	85-115		
	Cd		0.2000	0.23	mg/kg	114%	85-115		
	Co		1.598	1.80	mg/kg	112%	85-115		
	Cu		1.600	1.80	mg/kg	112%	85-115		
	Mn		0.4000	0.45	mg/kg	112%	85-115		
	Sb		0.2000	0.18	mg/kg	91%	85-115		
	Tl		0.08000	0.09	mg/kg	112%	85-115		
	Zn		10.00	10.04	mg/kg	100%	85-115		
B140292-SRM1	**Certified Reference Material (1329003, DORM-4)**								
	Cd		0.3060	0.28	mg/kg	90%	75-125		
	Cu		15.90	16.07	mg/kg	101%	75-125		
	Zn		52.20	50.68	mg/kg	97%	75-125		
B140292-SRM2	**Certified Reference Material (1327017, TORT-3)**								
	Cd		42.30	40.00	mg/kg	95%	75-125		
	Co		1.060	1.18	mg/kg	112%	N/A		
	Cu		497.0	503.6	mg/kg	101%	75-125		
	Mn		15.60	16.42	mg/kg	105%	75-125		
	Zn		136.0	133.0	mg/kg	98%	75-125		
B140292-DUP1	**Duplicate (1408020-01)**								
	Ba	ND		ND	mg/kg			N/C	30
	Cd	0.009		0.008	mg/kg			8%	30
	Co	ND		ND	mg/kg			N/C	30
	Cu	6.13		6.37	mg/kg			4%	30
	Mn	0.40		0.41	mg/kg			2%	30
	Sb	ND		ND	mg/kg			N/C	30
	Tl	ND		ND	mg/kg			N/C	30
	Zn	16.22		16.21	mg/kg			0.06%	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: B140292
Lab Matrix: Biota
Method: EPA 200.8

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140292-MS1	**Matrix Spike (1408020-01)**								
	Ba	ND	1.600	1.69	mg/kg	105%	70-130		
	Cd	0.009	0.2000	0.23	mg/kg	110%	70-130		
	Co	ND	1.598	1.75	mg/kg	109%	70-130		
	Cu	6.13	1.600	8.16	mg/kg	127%	70-130		
	Mn	0.40	0.4000	0.83	mg/kg	106%	70-130		
	Sb	ND	0.2000	0.19	mg/kg	96%	70-130		
	Tl	ND	0.08000	0.09	mg/kg	107%	70-130		
	Zn	16.22	10.00	25.37	mg/kg	91%	70-130		
B140292-MSD1	**Matrix Spike Duplicate (1408020-01)**								
	Ba	ND	1.556	1.64	mg/kg	105%	70-130	3%	30
	Cd	0.009	0.1946	0.22	mg/kg	108%	70-130	5%	30
	Co	ND	1.555	1.64	mg/kg	105%	70-130	6%	30
	Cu	6.13	1.556	7.92	mg/kg	115%	70-130	3%	30
	Mn	0.40	0.3891	0.81	mg/kg	103%	70-130	3%	30
	Sb	ND	0.1946	0.19	mg/kg	99%	70-130	0.3%	30
	Tl	ND	0.07782	0.08	mg/kg	106%	70-130	4%	30
	Zn	16.22	9.728	24.19	mg/kg	82%	70-130	5%	30
B140292-DUP2	**Duplicate (1408020-09)**								
	Ba	0.06		0.06	mg/kg			4%	30
	Cd	ND		ND	mg/kg			N/C	30
	Co	ND		ND	mg/kg			N/C	30
	Cu	0.47		0.49	mg/kg			5%	30
	Mn	0.21		0.21	mg/kg			4%	30
	Sb	ND		ND	mg/kg			N/C	30
	Tl	ND		ND	mg/kg			N/C	30
	Zn	0.81		1.12	mg/kg			*33%*	30

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Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140292
Lab Matrix: Biota
Method: EPA 200.8

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140292-MS2	**Matrix Spike (1408020-09)**								
	Ba	0.06	1.597	1.81	mg/kg	109%	70-130		
	Cd	ND	0.1996	0.23	mg/kg	115%	70-130		
	Co	ND	1.595	1.75	mg/kg	110%	70-130		
	Cu	0.47	1.597	2.17	mg/kg	107%	70-130		
	Mn	0.21	0.3992	0.69	mg/kg	120%	70-130		
	Sb	ND	0.1996	0.20	mg/kg	98%	70-130		
	Tl	ND	0.07984	0.09	mg/kg	107%	70-130		
	Zn	0.81	9.980	11.03	mg/kg	102%	70-130		
B140292-MSD2	**Matrix Spike Duplicate (1408020-09)**								
	Ba	0.06	1.527	1.71	mg/kg	108%	70-130	6%	30
	Cd	ND	0.1908	0.22	mg/kg	113%	70-130	6%	30
	Co	ND	1.525	1.73	mg/kg	113%	70-130	1%	30
	Cu	0.47	1.527	2.08	mg/kg	106%	70-130	4%	30
	Mn	0.21	0.3817	0.56	mg/kg	92%	70-130	21%	30
	Sb	ND	0.1908	0.19	mg/kg	100%	70-130	3%	30
	Tl	ND	0.07634	0.08	mg/kg	110%	70-130	3%	30
	Zn	0.81	9.542	10.29	mg/kg	99%	70-130	7%	30
B140292-DUP3	**Duplicate (1408020-12)**								
	Ba	0.05		0.05	mg/kg			5%	30
	Cd	ND		ND	mg/kg			N/C	30
	Co	0.03		0.03	mg/kg			11%	30
	Cu	0.46		0.55	mg/kg			19%	30
	Mn	0.18		0.17	mg/kg			6%	30
	Sb	ND		ND	mg/kg			N/C	30
	Tl	ND		ND	mg/kg			N/C	30
	Zn	0.96		1.75	mg/kg			*59%*	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: B140292
Lab Matrix: Biota
Method: EPA 200.8

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140292-MS3	**Matrix Spike (1408020-12)**								
	Ba	0.05	1.623	1.81	mg/kg	109%	70-130		
	Cd	ND	0.2028	0.23	mg/kg	113%	70-130		
	Co	0.03	1.621	1.86	mg/kg	113%	70-130		
	Cu	0.46	1.623	2.19	mg/kg	107%	70-130		
	Mn	0.18	0.4057	0.69	mg/kg	127%	70-130		
	Sb	ND	0.2028	0.20	mg/kg	99%	70-130		
	Tl	ND	0.08114	0.09	mg/kg	106%	70-130		
	Zn	0.96	10.14	10.89	mg/kg	98%	70-130		
B140292-MSD3	**Matrix Spike Duplicate (1408020-12)**								
	Ba	0.05	1.536	1.71	mg/kg	108%	70-130	6%	30
	Cd	ND	0.1919	0.22	mg/kg	113%	70-130	5%	30
	Co	0.03	1.534	1.72	mg/kg	110%	70-130	8%	30
	Cu	0.46	1.536	2.10	mg/kg	107%	70-130	4%	30
	Mn	0.18	0.3839	0.52	mg/kg	91%	70-130	27%	30
	Sb	ND	0.1919	0.19	mg/kg	99%	70-130	6%	30
	Tl	ND	0.07678	0.08	mg/kg	105%	70-130	6%	30
	Zn	0.96	9.597	10.21	mg/kg	96%	70-130	7%	30
B140292-DUP4	**Duplicate (1408020-24)**								
	Ba	0.96		0.80	mg/kg			18%	30
	Cd	0.02		0.02	mg/kg			11%	30
	Co	0.04		0.04	mg/kg			6%	30
	Cu	0.51		0.52	mg/kg			2%	30
	Mn	1.10		1.05	mg/kg			4%	30
	Sb	0.01		0.01	mg/kg			6%	30
	Tl	0.004		0.003	mg/kg			21%	30
	Zn	2.26		1.76	mg/kg			25%	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: B140292
Lab Matrix: Biota
Method: EPA 200.8

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140292-MS4	**Matrix Spike (1408020-24)**								
	Ba	0.96	1.575	2.67	mg/kg	108%	70-130		
	Cd	0.02	0.1969	0.23	mg/kg	108%	70-130		
	Co	0.04	1.573	1.78	mg/kg	111%	70-130		
	Cu	0.51	1.575	2.20	mg/kg	108%	70-130		
	Mn	1.10	0.3937	1.34	mg/kg	*62%*	70-130		
	Sb	0.01	0.1969	0.19	mg/kg	93%	70-130		
	Tl	0.004	0.07874	0.09	mg/kg	103%	70-130		
	Zn	2.26	9.843	11.35	mg/kg	92%	70-130		
B140292-MSD4	**Matrix Spike Duplicate (1408020-24)**								
	Ba	0.96	1.594	2.76	mg/kg	113%	70-130	3%	30
	Cd	0.02	0.1992	0.24	mg/kg	109%	70-130	2%	30
	Co	0.04	1.592	1.78	mg/kg	109%	70-130	0.2%	30
	Cu	0.51	1.594	2.24	mg/kg	109%	70-130	2%	30
	Mn	1.10	0.3984	1.39	mg/kg	74%	70-130	4%	30
	Sb	0.01	0.1992	0.19	mg/kg	91%	70-130	0.9%	30
	Tl	0.004	0.07968	0.09	mg/kg	103%	70-130	0.9%	30
	Zn	2.26	9.960	11.55	mg/kg	93%	70-130	2%	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: B140299
Lab Matrix: Biota
Method: EPA 1631 Appendix

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140299-SRM1	**Certified Reference Material (1329003, DORM-4)**								
	Hg		410.0	405.7	ng/g	99%	75-125		
B140299-SRM2	**Certified Reference Material (1329003, DORM-4)**								
	Hg		410.0	385.6	ng/g	94%	75-125		
B140299-MS1	**Matrix Spike (1408020-01)**								
	Hg	13.10	10.04	24.12	ng/g	110%	70-130		
B140299-MSD1	**Matrix Spike Duplicate (1408020-01)**								
	Hg	13.10	9.627	24.36	ng/g	117%	70-130	1%	30
B140299-DUP2	**Duplicate (1408020-10)**								
	Hg	0.26		0.23	ng/g			11%	30
B140299-MS2	**Matrix Spike (1408020-10)**								
	Hg	0.26	9.797	10.68	ng/g	106%	70-130		
B140299-MSD2	**Matrix Spike Duplicate (1408020-10)**								
	Hg	0.26	10.01	10.91	ng/g	106%	70-130	2%	30
B140299-DUP3	**Duplicate (1408020-20)**								
	Hg	2.43		2.32	ng/g			5%	30
B140299-MS3	**Matrix Spike (1408020-20)**								
	Hg	2.43	10.13	13.12	ng/g	106%	70-130		
B140299-MSD3	**Matrix Spike Duplicate (1408020-20)**								
	Hg	2.43	10.55	13.32	ng/g	103%	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: B140300
Lab Matrix: Biota
Method: EPA 1630

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140300-SRM1	**Certified Reference Material (1327017, TORT-3)**								
	MeHg		137.0	112.7	ng/g	82%	65-135		
B140300-SRM2	**Certified Reference Material (1327017, TORT-3)**								
	MeHg		137.0	109.5	ng/g	80%	65-135		
B140300-DUP1	**Duplicate (1408020-01)**								
	MeHg	11.99		12.26	ng/g			2%	35
B140300-MS1	**Matrix Spike (1408020-01)**								
	MeHg	11.99	221.0	309.5	ng/g	135%	65-135		
B140300-MSD1	**Matrix Spike Duplicate (1408020-01)**								
	MeHg	11.99	218.1	296.3	ng/g	130%	65-135	4%	35
B140300-DUP2	**Duplicate (1408020-10)**								
	MeHg	ND		ND	ng/g			N/C	35
B140300-MS2	**Matrix Spike (1408020-10)**								
	MeHg	ND	211.0	292.4	ng/g	*139%*	65-135		
B140300-MSD2	**Matrix Spike Duplicate (1408020-10)**								
	MeHg	ND	197.8	271.8	ng/g	*137%*	65-135	7%	35
B140300-DUP3	**Duplicate (1408020-20)**								
	MeHg	ND		ND	ng/g			N/C	35
B140300-MS3	**Matrix Spike (1408020-20)**								
	MeHg	ND	213.2	281.4	ng/g	132%	65-135		
B140300-MSD3	**Matrix Spike Duplicate (1408020-20)**								
	MeHg	ND	211.0	302.2	ng/g	*143%*	65-135	7%	35

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140301
Lab Matrix: Biota
Method: EPA 1632

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140301-BS1	**Laboratory Fortified Blank (1410002)**								
	As(Inorg)		0.1000	0.103	mg/kg	103%	65-135		
B140301-SRM1	**Certified Reference Material (1337024, NIST 1568b)**								
	As(Inorg)		0.09200	0.106	mg/kg	115%	75-125		
B140301-SRM2	**Certified Reference Material (1337024, NIST 1568b)**								
	As(Inorg)		0.09200	0.106	mg/kg	115%	75-125		
B140301-DUP1	**Duplicate (1408020-01)**								
	As(Inorg)	ND		ND	mg/kg			N/C	35
B140301-MS1	**Matrix Spike (1408020-01)**								
	As(Inorg)	ND	0.09833	0.091	mg/kg	92%	65-135		
B140301-MSD1	**Matrix Spike Duplicate (1408020-01)**								
	As(Inorg)	ND	0.09187	0.083	mg/kg	90%	65-135	9%	35
B140301-DUP2	**Duplicate (1408020-10)**								
	As(Inorg)	0.055		0.057	mg/kg			2%	35
B140301-MS2	**Matrix Spike (1408020-10)**								
	As(Inorg)	0.055	0.04941	0.092	mg/kg	74%	65-135		
B140301-MSD2	**Matrix Spike Duplicate (1408020-10)**								
	As(Inorg)	0.055	0.05019	0.078	mg/kg	*45%*	65-135	16%	35
B140301-DUP3	**Duplicate (1408020-20)**								
	As(Inorg)	0.258		0.306	mg/kg			17%	35
B140301-MS3	**Matrix Spike (1408020-20)**								
	As(Inorg)	0.258	0.9598	1.151	mg/kg	93%	65-135		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140301
Lab Matrix: Biota
Method: EPA 1632

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B140301-MSD3	**Matrix Spike Duplicate (1408020-20)**						
	As(Inorg)	0.258	0.8897	1.122	mg/kg	97% 65-135	2% 35

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140302
Lab Matrix: Biota
Method: EPA 1632

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B140302-BS2	**Laboratory Fortified Blank (1410006)**						
	As(III)		0.1003	0.094	mg/kg	94% 50-150	
B140302-DUP1	**Duplicate (1408020-01)**						
	As(III)	ND		ND	mg/kg		N/C 35
B140302-MS1	**Matrix Spike (1408020-01)**						
	As(III)	ND	0.09833	0.078	mg/kg	79% 50-150	
B140302-MSD1	**Matrix Spike Duplicate (1408020-01)**						
	As(III)	ND	0.09187	0.066	mg/kg	72% 50-150	17% 35
B140302-DUP2	**Duplicate (1408020-10)**						
	As(III)	0.017		0.019	mg/kg		13% 35
B140302-MS2	**Matrix Spike (1408020-10)**						
	As(III)	0.017	0.04941	0.060	mg/kg	89% 50-150	
B140302-MSD2	**Matrix Spike Duplicate (1408020-10)**						
	As(III)	0.017	0.05019	0.056	mg/kg	78% 50-150	8% 35
B140302-DUP3	**Duplicate (1408020-20)**						
	As(III)	0.232		0.287	mg/kg		21% 35
B140302-MS3	**Matrix Spike (1408020-20)**						
	As(III)	0.232	0.9598	0.993	mg/kg	79% 50-150	
B140302-MSD3	**Matrix Spike Duplicate (1408020-20)**						
	As(III)	0.232	0.8897	0.941	mg/kg	80% 50-150	5% 35

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140303
Lab Matrix: Biota
Method: EPA 1632

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140303-BS1	**Laboratory Fortified Blank (1410038)**								
	DMAs		0.1000	0.103	mg/kg	103%	60-140		
B140303-SRM1	**Certified Reference Material (1337024, NIST 1568b)**								
	DMAs		0.1800	0.139	mg/kg	77%	75-125		
B140303-SRM2	**Certified Reference Material (1337024, NIST 1568b)**								
	DMAs		0.1800	0.154	mg/kg	86%	75-125		
B140303-DUP1	**Duplicate (1408020-01)**								
	DMAs	0.024		0.025	mg/kg			3%	35
B140303-MS1	**Matrix Spike (1408020-01)**								
	DMAs	0.024	0.04941	0.074	mg/kg	101%	60-140		
B140303-MSD1	**Matrix Spike Duplicate (1408020-01)**								
	DMAs	0.024	0.04520	0.065	mg/kg	91%	60-140	14%	35
B140303-DUP2	**Duplicate (1408020-10)**								
	DMAs	0.005		0.006	mg/kg			16%	35
B140303-MS2	**Matrix Spike (1408020-10)**								
	DMAs	0.005	0.04679	0.052	mg/kg	101%	60-140		
B140303-MSD2	**Matrix Spike Duplicate (1408020-10)**								
	DMAs	0.005	0.04896	0.056	mg/kg	104%	60-140	7%	35
B140303-DUP3	**Duplicate (1408020-20)**								
	DMAs	0.249		0.257	mg/kg			3%	35
B140303-MS3	**Matrix Spike (1408020-20)**								
	DMAs	0.249	0.3900	0.660	mg/kg	105%	60-140		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140303
Lab Matrix: Biota
Method: EPA 1632

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B140303-MSD3	**Matrix Spike Duplicate (1408020-20)**						
	DMAs	0.249	0.3617	0.560	mg/kg	86% 60-140	16% 35

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140304
Lab Matrix: Biota
Method: EPA 1632

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140304-BS1	**Laboratory Fortified Blank (1410037)**								
	MMAs		0.1000	0.104	mg/kg	104%	60-140		
B140304-BS2	**Laboratory Fortified Blank (1410037)**								
	MMAs		0.1000	0.099	mg/kg	99%	60-140		
B140304-DUP1	**Duplicate (1408020-01)**								
	MMAs	ND		ND	mg/kg			N/C	25
B140304-MS1	**Matrix Spike (1408020-01)**								
	MMAs	ND	0.04941	0.026	mg/kg	*52%*	60-140		
B140304-MSD1	**Matrix Spike Duplicate (1408020-01)**								
	MMAs	ND	0.04520	0.027	mg/kg	60%	60-140	4%	25
B140304-DUP2	**Duplicate (1408020-10)**								
	MMAs	ND		ND	mg/kg			N/C	25
B140304-MS2	**Matrix Spike (1408020-10)**								
	MMAs	ND	0.04679	0.048	mg/kg	102%	60-140		
B140304-MSD2	**Matrix Spike Duplicate (1408020-10)**								
	MMAs	ND	0.04896	0.051	mg/kg	105%	60-140	7%	25
B140304-DUP5	**Duplicate (1408020-20)**								
	MMAs	0.032		0.037	mg/kg			15%	25
B140304-MS4	**Matrix Spike (1408020-20)**								
	MMAs	0.032	0.04875	0.091	mg/kg	122%	60-140		
B140304-MSD4	**Matrix Spike Duplicate (1408020-20)**								
	MMAs	0.032	0.04521	0.081	mg/kg	108%	60-140	12%	25

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140357
Lab Matrix: Biota
Method: EPA 200.8 DRC

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140357-BS1	**Laboratory Fortified Blank (1411016)**								
	Cr		1.502	1.515	mg/kg	101%	85-115		
	Fe		50.20	46.85	mg/kg	93%	85-115		
	V		1.800	1.811	mg/kg	101%	85-115		
B140357-SRM1	**Certified Reference Material (1329003, DORM-4)**								
	Cr		1.870	1.632	mg/kg	87%	75-125		
	Fe		341.0	349.9	mg/kg	103%	75-125		
B140357-SRM2	**Certified Reference Material (1327017, TORT-3)**								
	Cr		1.950	1.228	mg/kg	*63%*	75-125		
	Fe		179.0	175.7	mg/kg	98%	75-125		
	V		9.100	9.354	mg/kg	103%	75-125		
B140357-DUP1	**Duplicate (1408020-01)**								
	Cr	ND		ND	mg/kg			N/C	30
	Fe	1.193		1.225	mg/kg			3%	30
	V	ND		ND	mg/kg			N/C	30
B140357-MS1	**Matrix Spike (1408020-01)**								
	Cr	ND	1.502	1.724	mg/kg	115%	70-130		
	Fe	1.193	50.20	53.41	mg/kg	104%	70-130		
	V	ND	1.800	2.045	mg/kg	114%	70-130		
B140357-MSD1	**Matrix Spike Duplicate (1408020-01)**								
	Cr	ND	1.461	1.531	mg/kg	105%	70-130	12%	30
	Fe	1.193	48.83	48.47	mg/kg	97%	70-130	10%	30
	V	ND	1.751	1.845	mg/kg	105%	70-130	10%	30
B140357-DUP2	**Duplicate (1408020-09)**								
	Cr	0.046		0.067	mg/kg			*36%*	30
	Fe	2.663		2.522	mg/kg			5%	30
	V	0.024		0.023	mg/kg			4%	30

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140357
Lab Matrix: Biota
Method: EPA 200.8 DRC

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140357-MS2	**Matrix Spike (1408020-09)**								
	Cr	0.046	1.499	1.615	mg/kg	105%	70-130		
	Fe	2.663	50.10	51.12	mg/kg	97%	70-130		
	V	0.024	1.796	1.934	mg/kg	106%	70-130		
B140357-MSD2	**Matrix Spike Duplicate (1408020-09)**								
	Cr	0.046	1.433	1.526	mg/kg	103%	70-130	6%	30
	Fe	2.663	47.90	48.01	mg/kg	95%	70-130	6%	30
	V	0.024	1.718	1.889	mg/kg	109%	70-130	2%	30
B140357-DUP3	**Duplicate (1408020-12)**								
	Cr	0.144		0.194	mg/kg			30%	30
	Fe	4.576		7.321	mg/kg			*46%*	30
	V	0.037		0.037	mg/kg			0.2%	30
B140357-MS3	**Matrix Spike (1408020-12)**								
	Cr	0.144	1.523	1.702	mg/kg	102%	70-130		
	Fe	4.576	50.91	59.56	mg/kg	108%	70-130		
	V	0.037	1.826	1.918	mg/kg	103%	70-130		
B140357-MSD3	**Matrix Spike Duplicate (1408020-12)**								
	Cr	0.144	1.441	1.532	mg/kg	96%	70-130	11%	30
	Fe	4.576	48.18	48.13	mg/kg	90%	70-130	21%	30
	V	0.037	1.727	1.802	mg/kg	102%	70-130	6%	30
B140357-DUP4	**Duplicate (1408020-24)**								
	Cr	0.146		0.118	mg/kg			21%	30
	Fe	44.09		30.62	mg/kg			*36%*	30
	V	1.107		1.195	mg/kg			8%	30
B140357-MS4	**Matrix Spike (1408020-24)**								
	Cr	0.146	1.478	1.677	mg/kg	104%	70-130		
	Fe	44.09	49.41	89.51	mg/kg	92%	70-130		
	V	1.107	1.772	2.983	mg/kg	106%	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: B140357
Lab Matrix: Biota
Method: EPA 200.8 DRC

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140357-MSD4	**Matrix Spike Duplicate (1408020-24)**								
	Cr	0.146	1.496	1.632	mg/kg	99%	70-130	3%	30
	Fe	44.09	50.00	93.13	mg/kg	98%	70-130	4%	30
	V	1.107	1.793	2.849	mg/kg	97%	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: B140388
Lab Matrix: Biota
Method: EPA 200.8

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B140388-BS1	**Laboratory Fortified Blank (1411016)**						
	As		0.4000	0.468	mg/kg	*117%* 85-115	
	Se		1.500	1.634	mg/kg	109% 85-115	
B140388-SRM1	**Certified Reference Material (1329003, DORM-4)**						
	As		6.880	7.031	mg/kg	102% 75-125	
	Se		3.560	3.797	mg/kg	107% 75-125	
B140388-SRM2	**Certified Reference Material (1327017, TORT-3)**						
	As		59.50	72.12	mg/kg	121% 75-125	
	Se		10.90	11.71	mg/kg	107% 75-125	
B140388-SRM3	**Certified Reference Material (1329003, DORM-4)**						
	As		6.880	7.477	mg/kg	109% 75-125	
	Se		3.560	3.812	mg/kg	107% 75-125	
B140388-SRM4	**Certified Reference Material (1327017, TORT-3)**						
	As		59.50	70.78	mg/kg	119% 75-125	
	Se		10.90	11.08	mg/kg	102% 75-125	
B140388-DUP1	**Duplicate (1408020-01)**						
	As	30.07		29.94	mg/kg		0.4% 30
	Se	0.256		0.263	mg/kg		3% 30
B140388-MS1	**Matrix Spike (1408020-01)**						
	As	30.07	0.4000	29.82	mg/kg	NR 70-130	
	Se	0.256	1.500	1.864	mg/kg	107% 70-130	
B140388-MSD1	**Matrix Spike Duplicate (1408020-01)**						
	As	30.07	0.3891	29.62	mg/kg	NR 70-130	0.7% 30
	Se	0.256	1.459	1.834	mg/kg	108% 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: B140388
Lab Matrix: Biota
Method: EPA 200.8

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B140388-DUP2	**Duplicate (1408020-09)**						
	As	0.454		0.456	mg/kg		0.4% 30
	Se	0.352		0.290	mg/kg		19% 30
B140388-MS2	**Matrix Spike (1408020-09)**						
	As	0.454	0.3992	0.965	mg/kg	128% 70-130	
	Se	0.352	1.497	1.942	mg/kg	106% 70-130	
B140388-MSD2	**Matrix Spike Duplicate (1408020-09)**						
	As	0.454	0.3817	0.926	mg/kg	124% 70-130	4% 30
	Se	0.352	1.431	1.858	mg/kg	105% 70-130	4% 30
B140388-DUP3	**Duplicate (1408020-12)**						
	As	0.340		0.357	mg/kg		5% 30
	Se	0.261		0.302	mg/kg		15% 30
B140388-MS3	**Matrix Spike (1408020-12)**						
	As	0.340	0.4057	0.827	mg/kg	120% 70-130	
	Se	0.261	1.521	1.954	mg/kg	111% 70-130	
B140388-MSD3	**Matrix Spike Duplicate (1408020-12)**						
	As	0.340	0.3839	0.791	mg/kg	118% 70-130	4% 30
	Se	0.261	1.440	1.742	mg/kg	103% 70-130	12% 30
B140388-DUP4	**Duplicate (1408020-24)**						
	As	1.751		1.738	mg/kg		0.7% 30
	Se	ND		ND	mg/kg		N/C 30
B140388-MS4	**Matrix Spike (1408020-24)**						
	As	1.751	0.3937	2.176	mg/kg	NR 70-130	
	Se	ND	1.476	1.679	mg/kg	114% 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: B140388
Lab Matrix: Biota
Method: EPA 200.8

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140388-MSD4	**Matrix Spike Duplicate (1408020-24)**								
	As	1.751	0.3984	2.220	mg/kg	NR	70-130	2%	30
	Se	ND	1.494	1.669	mg/kg	112%	70-130	0.6%	30

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140398
Lab Matrix: Biota
Method: EPA 200.8

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140398-BS1	**Laboratory Fortified Blank (1411016)**								
	Al		8.000	7.90	mg/kg	99%	85-115		
	Be		0.9000	0.99	mg/kg	110%	85-115		
	Pb		0.3996	0.46	mg/kg	115%	85-115		
B140398-SRM1	**Certified Reference Material (1329003, DORM-4)**								
	Pb		0.4160	0.23	mg/kg	*54%*	75-125		
B140398-SRM2	**Certified Reference Material (1327017, TORT-3)**								
	Pb		0.2250	0.22	mg/kg	96%	75-125		
B140398-DUP1	**Duplicate (1408020-01)**								
	Al	ND		ND	mg/kg			N/C	30
	Be	ND		ND	mg/kg			N/C	30
	Pb	0.03		0.03	mg/kg			7%	30
B140398-MS1	**Matrix Spike (1408020-01)**								
	Al	ND	8.000	7.77	mg/kg	97%	70-130		
	Be	ND	0.9000	0.95	mg/kg	106%	70-130		
	Pb	0.03	0.3996	0.48	mg/kg	113%	70-130		
B140398-MSD1	**Matrix Spike Duplicate (1408020-01)**								
	Al	ND	7.782	7.68	mg/kg	99%	70-130	1%	30
	Be	ND	0.8755	0.93	mg/kg	106%	70-130	2%	30
	Pb	0.03	0.3887	0.47	mg/kg	113%	70-130	3%	30
B140398-DUP2	**Duplicate (1408020-09)**								
	Al	0.68		0.50	mg/kg			*31%*	30
	Be	ND		ND	mg/kg			N/C	30
	Pb	0.07		0.05	mg/kg			27%	30
B140398-MS2	**Matrix Spike (1408020-09)**								
	Al	0.68	7.984	8.35	mg/kg	96%	70-130		
	Be	ND	0.8982	0.95	mg/kg	105%	70-130		
	Pb	0.07	0.3988	0.48	mg/kg	105%	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: B140398
Lab Matrix: Biota
Method: EPA 200.8

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140398-MSD2	**Matrix Spike Duplicate (1408020-09)**								
	Al	0.68	7.634	8.58	mg/kg	104%	70-130	3%	30
	Be	ND	0.8588	0.93	mg/kg	108%	70-130	2%	30
	Pb	0.07	0.3813	0.45	mg/kg	101%	70-130	7%	30
B140398-DUP3	**Duplicate (1408020-12)**								
	Al	1.40		2.15	mg/kg			*42%*	30
	Be	ND		ND	mg/kg			N/C	30
	Pb	0.06		0.02	mg/kg			*89%*	30
B140398-MS3	**Matrix Spike (1408020-12)**								
	Al	1.40	8.114	8.78	mg/kg	91%	70-130		
	Be	ND	0.9128	1.00	mg/kg	109%	70-130		
	Pb	0.06	0.4053	0.46	mg/kg	97%	70-130		
B140398-MSD3	**Matrix Spike Duplicate (1408020-12)**								
	Al	1.40	7.678	8.71	mg/kg	95%	70-130	0.8%	30
	Be	ND	0.8637	0.91	mg/kg	105%	70-130	9%	30
	Pb	0.06	0.3835	0.44	mg/kg	97%	70-130	5%	30
B140398-DUP4	**Duplicate (1408020-24)**								
	Al	26.53		19.42	mg/kg			*31%*	30
	Be	ND		ND	mg/kg			N/C	30
	Pb	0.14		0.12	mg/kg			13%	30
B140398-MS4	**Matrix Spike (1408020-24)**								
	Al	26.53	7.874	30.21	mg/kg	*47%*	70-130		
	Be	ND	0.8858	0.98	mg/kg	110%	70-130		
	Pb	0.14	0.3933	0.53	mg/kg	101%	70-130		
B140398-MSD4	**Matrix Spike Duplicate (1408020-24)**								
	Al	26.53	7.968	32.19	mg/kg	71%	70-130	6%	30
	Be	ND	0.8964	0.98	mg/kg	110%	70-130	0.5%	30
	Pb	0.14	0.3980	0.55	mg/kg	104%	70-130	3%	30

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140456
Lab Matrix: Biota
Method: EPA 200.8

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140456-BS1	**Laboratory Fortified Blank (1411016)**								
	Ag		1.000	1.02	mg/kg	102%	85-115		
B140456-DUP1	**Duplicate (1408020-01)**								
	Ag	ND		ND	mg/kg			N/C	30
B140456-MS1	**Matrix Spike (1408020-01)**								
	Ag	ND	1.000	0.97	mg/kg	97%	70-130		
B140456-MSD1	**Matrix Spike Duplicate (1408020-01)**								
	Ag	ND	0.9728	0.97	mg/kg	100%	70-130	0.3%	30
B140456-DUP2	**Duplicate (1408020-09)**								
	Ag	ND		ND	mg/kg			N/C	30
B140456-MS2	**Matrix Spike (1408020-09)**								
	Ag	ND	0.9980	0.93	mg/kg	94%	70-130		
B140456-MSD2	**Matrix Spike Duplicate (1408020-09)**								
	Ag	ND	0.9542	0.93	mg/kg	97%	70-130	0.9%	30
B140456-DUP3	**Duplicate (1408020-12)**								
	Ag	ND		ND	mg/kg			N/C	30
B140456-MS3	**Matrix Spike (1408020-12)**								
	Ag	ND	1.014	0.97	mg/kg	95%	70-130		
B140456-MSD3	**Matrix Spike Duplicate (1408020-12)**								
	Ag	ND	0.9597	0.90	mg/kg	94%	70-130	7%	30
B140456-DUP4	**Duplicate (1408020-24)**								
	Ag	ND		ND	mg/kg			N/C	30

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Accuracy & Precision Summary

Batch: B140456
Lab Matrix: Biota
Method: EPA 200.8

Sample	Analyte	Native	Spike	Result	Units	REC & Limits		RPD & Limits	
B140456-MS4	**Matrix Spike (1408020-24)**								
	Ag	ND	0.9843	0.90	mg/kg	92%	70-130		
B140456-MSD4	**Matrix Spike Duplicate (1408020-24)**								
	Ag	ND	0.9960	0.91	mg/kg	91%	70-130	1%	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: B140292
Matrix: Biota
Method: EPA 200.8
Analyte: Ba

Sample	Result	Units
B140292-BLK1	-0.0004	mg/kg
B140292-BLK2	-0.0004	mg/kg
B140292-BLK3	-0.0003	mg/kg
B140292-BLK4	-0.0006	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
B140292-BLK1	0.0009	mg/kg
B140292-BLK2	0.001	mg/kg
B140292-BLK3	0.001	mg/kg
B140292-BLK4	0.001	mg/kg

Average: 0.00 **Standard Deviation:** 0.00 **MDL:** 0.007
Limit: 0.02 **Limit:** 0.01 **MRL:** 0.02

Analyte: Co

Sample	Result	Units
B140292-BLK1	-0.005	mg/kg
B140292-BLK2	-0.005	mg/kg
B140292-BLK3	-0.005	mg/kg
B140292-BLK4	-0.005	mg/kg

Average: -0.01 **Standard Deviation:** 0.00 **MDL:** 0.02
Limit: 0.16 **Limit:** 0.02 **MRL:** 0.16

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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
B140292-BLK1	-0.002	mg/kg
B140292-BLK2	-0.003	mg/kg
B140292-BLK3	-0.002	mg/kg
B140292-BLK4	-0.003	mg/kg

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

Analyte: Mn

Sample	Result	Units
B140292-BLK1	0.01	mg/kg
B140292-BLK2	0.009	mg/kg
B140292-BLK3	0.009	mg/kg
B140292-BLK4	0.009	mg/kg

Average: 0.01 **Standard Deviation:** 0.00 **MDL:** 0.01
Limit: 0.04 **Limit:** 0.01 **MRL:** 0.04

Analyte: Sb

Sample	Result	Units
B140292-BLK1	-0.001	mg/kg
B140292-BLK2	-0.001	mg/kg
B140292-BLK3	-0.001	mg/kg
B140292-BLK4	-0.0009	mg/kg

Average: 0.00 **Standard Deviation:** 0.00 **MDL:** 0.007
Limit: 0.02 **Limit:** 0.01 **MRL:** 0.02

Analyte: Tl

Sample	Result	Units
B140292-BLK1	-0.0007	mg/kg
B140292-BLK2	-0.0007	mg/kg
B140292-BLK3	-0.0007	mg/kg
B140292-BLK4	-0.0006	mg/kg

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

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Method Blanks & Reporting Limits

Analyte: Zn 66

Sample	Result	Units
B140292-BLK1	0.27	mg/kg
B140292-BLK2	0.24	mg/kg
B140292-BLK3	0.40	mg/kg
B140292-BLK4	0.35	mg/kg

Average: 0.32 **Standard Deviation:** 0.07 **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: B140299
Matrix: Biota
Method: EPA 1631 Appendix
Analyte: Hg

Sample	Result	Units
B140299-BLK1	0.07	ng/g
B140299-BLK2	0.07	ng/g
B140299-BLK3	0.04	ng/g
B140299-BLK4	0.05	ng/g

Average: 0.06 **Standard Deviation:** 0.02 **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: B140300
Matrix: Biota
Method: EPA 1630
Analyte: MeHg

Sample	Result	Units
B140300-BLK1	0.25	ng/g
B140300-BLK2	0.04	ng/g
B140300-BLK3	0.05	ng/g
B140300-BLK4	0.11	ng/g

Average: 0.11 **Standard Deviation:** 0.10 **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: B140301
Matrix: Biota
Method: EPA 1632
Analyte: As(Inorg)

Sample	Result	Units
B140301-BLK1	-0.0006	mg/kg
B140301-BLK2	-0.0007	mg/kg
B140301-BLK3	-0.0008	mg/kg
B140301-BLK4	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: B140302
Matrix: Biota
Method: EPA 1632
Analyte: As(III)

Sample	Result	Units
B140302-BLK1	0.0007	mg/kg
B140302-BLK2	0.0003	mg/kg
B140302-BLK3	0.0004	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: B140303
Matrix: Biota
Method: EPA 1632
Analyte: DMAs

Sample	Result	Units
B140303-BLK1	0.00	mg/kg
B140303-BLK2	0.00	mg/kg
B140303-BLK3	0.00	mg/kg
B140303-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: B140304
Matrix: Biota
Method: EPA 1632
Analyte: MMAs

Sample	Result	Units
B140304-BLK1	-0.0004	mg/kg
B140304-BLK2	-0.0004	mg/kg
B140304-BLK3	-0.0004	mg/kg
B140304-BLK4	-0.0004	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: B140357
Matrix: Biota
Method: EPA 200.8 DRC
Analyte: Cr 52

Sample	Result	Units
B140357-BLK1	-0.002	mg/kg
B140357-BLK2	-0.002	mg/kg
B140357-BLK3	-0.001	mg/kg
B140357-BLK4	-0.002	mg/kg

Average: -0.002 **Standard Deviation:** 0.001 **MDL:** 0.018
Limit: 0.120 **Limit:** 0.018 **MRL:** 0.120

Analyte: Fe 56

Sample	Result	Units
B140357-BLK1	0.009	mg/kg
B140357-BLK2	0.029	mg/kg
B140357-BLK3	0.015	mg/kg
B140357-BLK4	-0.003	mg/kg

Average: 0.013 **Standard Deviation:** 0.013 **MDL:** 0.080
Limit: 0.800 **Limit:** 0.080 **MRL:** 0.800

Analyte: V

Sample	Result	Units
B140357-BLK1	-0.001	mg/kg
B140357-BLK2	-0.002	mg/kg
B140357-BLK3	-0.002	mg/kg
B140357-BLK4	-0.002	mg/kg

Average: -0.002 **Standard Deviation:** 0.001 **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: B140388
Matrix: Biota
Method: EPA 200.8
Analyte: As 91

Sample	Result	Units
B140388-BLK1	-0.002	mg/kg
B140388-BLK2	-0.003	mg/kg
B140388-BLK3	-0.003	mg/kg
B140388-BLK4	-0.003	mg/kg

Average: -0.003 **Standard Deviation:** 0.000 **MDL:** 0.014
Limit: 0.040 **Limit:** 0.014 **MRL:** 0.040

Analyte: Se 78

Sample	Result	Units
B140388-BLK1	0.010	mg/kg
B140388-BLK2	0.012	mg/kg
B140388-BLK3	0.006	mg/kg
B140388-BLK4	0.010	mg/kg

Average: 0.010 **Standard Deviation:** 0.003 **MDL:** 0.060
Limit: 0.150 **Limit:** 0.060 **MRL:** 0.150

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Method Blanks & Reporting Limits

Batch: B140398
Matrix: Biota
Method: EPA 200.8
Analyte: Al

Sample	Result	Units
B140398-BLK1	0.04	mg/kg
B140398-BLK2	0.12	mg/kg
B140398-BLK3	0.10	mg/kg
B140398-BLK4	0.10	mg/kg

Average: 0.09 **Standard Deviation:** 0.03 **MDL:** 0.14
Limit: 0.80 **Limit:** 0.14 **MRL:** 0.80

Analyte: Be

Sample	Result	Units
B140398-BLK1	-0.002	mg/kg
B140398-BLK2	-0.002	mg/kg
B140398-BLK3	-0.002	mg/kg
B140398-BLK4	-0.002	mg/kg

Average: 0.00 **Standard Deviation:** 0.00 **MDL:** 0.03
Limit: 0.09 **Limit:** 0.03 **MRL:** 0.09

Analyte: Pb

Sample	Result	Units
B140398-BLK1	-0.001	mg/kg
B140398-BLK2	-0.001	mg/kg
B140398-BLK3	-0.001	mg/kg
B140398-BLK4	-0.001	mg/kg

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

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Method Blanks & Reporting Limits

Batch: B140456
Matrix: Biota
Method: EPA 200.8
Analyte: Ag 107

Sample	Result	Units
B140456-BLK1	-0.002	mg/kg
B140456-BLK2	-0.002	mg/kg
B140456-BLK3	-0.002	mg/kg
B140456-BLK4	-0.001	mg/kg

Average: 0.00 **Standard Deviation:** 0.00 **MDL:** 0.02
Limit: 0.10 **Limit:** 0.02 **MRL:** 0.10

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400175
Instrument: HGAAS-2
Date: 03/04/2014
Analyte: As(Inorg)

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

Lab ID	True Value	Result	Units	REC & Limits	
1400175-IBL1		0.242	ng As		
1400175-IBL2		0.153	ng As		
1400175-IBL3		0.170	ng As		
1400175-CAL1	0.5000	0.558	ng As	112%	
1400175-CAL2	2.000	2.216	ng As	111%	
1400175-CAL3	10.00	10.42	ng As	104%	
1400175-CAL4	20.00	18.71	ng As	94%	
1400175-CAL5	30.00	25.58	ng As	85%	
1400175-ICV1	5.015	5.482	ng As	109%	80-120
1400175-CCV1	5.000	5.381	ng As	108%	80-120
1400175-CCB1		0.164	ng As		
1400175-CCV2	5.000	5.547	ng As	111%	80-120
1400175-CCB2		0.114	ng As		
1400175-CCV3	5.000	5.500	ng As	110%	80-120
1400175-CCB3		0.114	ng As		
1400175-CCV4	5.000	5.345	ng As	107%	80-120
1400175-CCB4		0.080	ng As		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400179
Instrument: THG-11
Date: 03/05/2014
Analyte: Hg

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

Lab ID	True Value	Result	Units	REC & Limits	
1400179-IBL1		1.74	pg of Hg		
1400179-IBL2		1.55	pg of Hg		
1400179-IBL3		1.61	pg of Hg		
1400179-IBL4		1.44	pg of Hg		
1400179-CAL1	10.00	10.28	pg of Hg	103%	
1400179-CAL2	25.00	23.37	pg of Hg	93%	
1400179-CAL3	100.0	103.8	pg of Hg	104%	
1400179-CAL4	500.0	493.7	pg of Hg	99%	
1400179-CAL5	2500	2604	pg of Hg	104%	
1400179-CAL6	10000	9792	pg of Hg	98%	
1400179-ICV1	1568	1684	pg of Hg	107%	85-115
1400179-CCB1		4.57	pg of Hg		
1400179-CCV1	500.0	534.1	pg of Hg	107%	77-123
1400179-CCB2		2.84	pg of Hg		
1400179-CCB3		2.25	pg of Hg		
1400179-CCB4		2.35	pg of Hg		
1400179-CCV2	500.0	527.1	pg of Hg	105%	77-123
1400179-CCB5		2.31	pg of Hg		
1400179-CCV3	500.0	515.3	pg of Hg	103%	77-123
1400179-CCB6		2.15	pg of Hg		
1400179-CCV4	500.0	465.9	pg of Hg	93%	77-123
1400179-CCB7		1.66	pg of Hg		
1400179-CCV5	500.0	492.0	pg of Hg	98%	77-123
1400179-CCB8		1.73	pg of Hg		
1400179-CCV6	500.0	505.0	pg of Hg	101%	77-123
1400179-CCB9		3.34	pg of Hg		
1400179-CCV7	500.0	514.6	pg of Hg	103%	77-123
1400179-CCBA		2.48	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: 1400181
Instrument: HGAAS-2
Date: 03/05/2014
Analyte: As(III)

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

Lab ID	True Value	Result	Units	REC & Limits	
1400181-IBL1		0.020	µg/L		
1400181-IBL2		0.000	µg/L		
1400181-IBL3		0.000	µg/L		
1400181-CAL1	0.5000	0.563	µg/L	113%	
1400181-CAL2	2.000	2.270	µg/L	113%	
1400181-CAL3	10.00	10.59	µg/L	106%	
1400181-CAL4	20.00	18.30	µg/L	92%	
1400181-CAL5	30.00	25.13	µg/L	84%	
1400181-ICV1	5.015	5.453	µg/L	109%	80-120
1400181-CCV1	5.000	5.607	µg/L	112%	80-120
1400181-CCB1		0.007	µg/L		
1400181-CCV2	5.000	5.541	µg/L	111%	80-120
1400181-CCB2		0.019	µg/L		
1400181-CCV3	5.000	5.511	µg/L	110%	80-120
1400181-CCB3		0.00	µg/L		
1400181-CCV4	5.000	5.887	µg/L	118%	80-120
1400181-CCB4		0.060	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400182
Instrument: HGAAS-2
Date: 03/06/2014
Analyte: DMAs

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

Lab ID	True Value	Result	Units	REC & Limits	
1400182-IBL1		0.000	ng As		
1400182-IBL2		0.000	ng As		
1400182-IBL3		0.000	ng As		
1400182-IBL4		0.000	ng As		
1400182-IBL5		0.000	ng As		
1400182-IBL6		0.000	ng As		
1400182-IBL7		0.000	ng As		
1400182-CAL1	0.5000	0.422	ng As	84%	
1400182-CAL2	1.000	0.885	ng As	89%	
1400182-CAL3	2.000	1.977	ng As	99%	
1400182-CAL4	10.00	11.20	ng As	112%	
1400182-CAL5	20.00	22.49	ng As	112%	
1400182-CAL6	30.00	33.62	ng As	112%	
1400182-ICV2	5.000	5.331	ng As	107%	70-130
1400182-CCV1	5.000	5.547	ng As	111%	70-130
1400182-CCB1		0.074	ng As		
1400182-CCV2	5.000	5.315	ng As	106%	70-130
1400182-CCB2		0.076	ng As		
1400182-CCV3	5.000	4.793	ng As	96%	70-130
1400182-CCB3		0.00	ng As		
1400182-CCV4	5.000	6.025	ng As	120%	70-130
1400182-CCB4		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: 1400183
Instrument: HGAAS-2
Date: 03/06/2014
Analyte: MMAs

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

Lab ID	True Value	Result	Units	REC & Limits	
1400183-IBL1		0.864	ng As		
1400183-IBL2		0.930	ng As		
1400183-IBL3		0.562	ng As		
1400183-IBL4		0.000	ng As		
1400183-IBL5		0.000	ng As		
1400183-IBL6		0.000	ng As		
1400183-IBL7		0.152	ng As		
1400183-CAL1	0.5000	0.536	ng As	107%	
1400183-CAL2	1.000	1.032	ng As	103%	
1400183-CAL3	2.000	2.038	ng As	102%	
1400183-CAL4	10.00	9.725	ng As	97%	
1400183-CAL5	20.00	19.16	ng As	96%	
1400183-CAL6	30.00	28.73	ng As	96%	
1400183-ICV1	5.000	5.853	ng As	117%	80-120
1400183-CCV1	5.000	5.125	ng As	103%	80-120
1400183-CCB1		0.00	ng As		
1400183-CCV2	5.000	5.071	ng As	101%	80-120
1400183-CCB2		0.00	ng As		
1400183-CCV3	5.000	5.095	ng As	102%	80-120
1400183-CCB3		0.00	ng As		
1400183-CCV4	5.000	6.149	ng As	*123%*	80-120
1400183-CCB4		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: 1400193
Instrument: HGAAS-2
Date: 03/10/2014
Analyte: MMAs

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

Lab ID	True Value	Result	Units	REC & Limits	
1400193-IBL1		0.000	ng As		
1400193-IBL2		0.000	ng As		
1400193-IBL3		0.000	ng As		
1400193-CAL2	1.000	1.076	ng As	108%	
1400193-CAL3	2.000	1.992	ng As	100%	
1400193-CAL4	10.00	9.709	ng As	97%	
1400193-CAL5	20.00	18.05	ng As	90%	
1400193-CAL6	30.00	29.51	ng As	98%	
1400193-CAL7	0.5000	0.548	ng As	110%	
1400193-ICV1	5.000	5.535	ng As	111%	80-120
1400193-CCV1	5.000	4.798	ng As	96%	80-120
1400193-CCB1		0.00	ng As		
1400193-CCV2	5.000	4.912	ng As	98%	80-120
1400193-CCB2		0.043	ng As		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400195
Instrument: MMHG-09
Date: 03/11/2014
Analyte: MeHg

Total Mercury and Mercury Speciation by CVAFS
Method: EPA 1630

Lab ID	True Value	Result	Units	REC & Limits	
1400195-IBL1		0.05	pg MeHg		
1400195-IBL2		0.04	pg MeHg		
1400195-IBL3		0.06	pg MeHg		
1400195-CAL1	0.5000	0.47	pg MeHg	93%	
1400195-CAL2	1.000	1.03	pg MeHg	103%	
1400195-CAL3	2.000	1.90	pg MeHg	95%	
1400195-CAL4	10.00	9.40	pg MeHg	94%	
1400195-CAL5	50.00	53.52	pg MeHg	107%	
1400195-CAL6	250.0	263.3	pg MeHg	105%	
1400195-CAL7	1000	1045	pg MeHg	105%	
1400195-CCB1		1.49	pg MeHg		
1400195-ICV1	100.0	103.0	pg MeHg	103%	80-120
1400195-CCB2		1.14	pg MeHg		
1400195-CCV1	25.00	27.02	pg MeHg	108%	67-133
1400195-CCB3		0.25	pg MeHg		
1400195-CCB4		0.26	pg MeHg		
1400195-CCB5		0.11	pg MeHg		
1400195-CCV2	25.00	27.03	pg MeHg	108%	67-133
1400195-CCB6		0.08	pg MeHg		
1400195-CCV3	25.00	27.77	pg MeHg	111%	67-133
1400195-CCB7		0.11	pg MeHg		
1400195-CCV4	25.00	27.33	pg MeHg	109%	67-133
1400195-CCB8		0.08	pg MeHg		
1400195-CCV5	25.00	26.37	pg MeHg	105%	67-133
1400195-CCB9		0.08	pg MeHg		
1400195-CCBA		0.07	pg MeHg		
1400195-CCV6	25.00	25.77	pg MeHg	103%	67-133
1400195-CCBB		0.18	pg MeHg		
1400195-CCV7	25.00	23.27	pg MeHg	93%	67-133
1400195-CCBC		0.10	pg MeHg		
1400195-CCV8	25.00	25.77	pg MeHg	103%	67-133
1400195-CCBD		0.08	pg MeHg		
1400195-CCV9	25.00	26.49	pg MeHg	106%	67-133
1400195-CCBE		0.09	pg MeHg		
1400195-CCVA	25.00	24.54	pg MeHg	98%	67-133
1400195-CCBF		0.11	pg MeHg		
1400195-CCVB	25.00	24.01	pg MeHg	96%	67-133
1400195-CCBG		0.23	pg MeHg		
1400195-CCVC	25.00	26.36	pg MeHg	105%	67-133
1400195-CCBH		0.48	pg MeHg		
1400195-CCVD	25.00	26.06	pg MeHg	104%	67-133

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400195
Instrument: MMHG-09
Date: 03/11/2014
Analyte: MeHg

Total Mercury and Mercury Speciation by CVAFS
Method: EPA 1630

Lab ID	True Value	Result	Units	REC & Limits	
1400195-CCBI		0.12	pg MeHg		
1400195-CCVE	25.00	23.83	pg MeHg	95%	67-133
1400195-CCBJ		0.08	pg MeHg		
1400195-CCVF	25.00	25.95	pg MeHg	104%	67-133
1400195-CCBK		0.13	pg MeHg		
1400195-ICV2	100.0	98.53	pg MeHg	99%	80-120
1400195-CCVG	25.00	28.26	pg MeHg	113%	67-133
1400195-CCBL		0.13	pg MeHg		
1400195-CCVH	25.00	27.06	pg MeHg	108%	67-133
1400195-CCBM		0.35	pg MeHg		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400200
Instrument: ICP-MS-3
Date: 03/11/2014
Analyte: Ba

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400200-ICB1		0.00	µg/L		
1400200-CAL1	0.05000	0.05	µg/L	100%	
1400200-CAL2	0.1000	0.10	µg/L	100%	
1400200-CAL3	0.5000	0.48	µg/L	97%	
1400200-CAL4	1.000	0.97	µg/L	97%	
1400200-CAL5	25.00	25.00	µg/L	100%	
1400200-CAL6	50.00	49.90	µg/L	100%	
1400200-CAL7	250.0	251.9	µg/L	101%	
1400200-CAL8	500.0	523.0	µg/L	105%	
1400200-ICB2		0.07	µg/L		
1400200-ICV1	2.500	2.47	µg/L	99%	90-110
1400200-ICB3		0.0007	µg/L		
1400200-IBL1		-0.001	µg/L		
1400200-IBL2		-0.002	µg/L		
1400200-IBL3		-0.002	µg/L		
1400200-IBL4		-0.001	µg/L		
1400200-SCV1	544.2	512.9	µg/L	94%	75-125
1400200-SCV3	10.00	9.55	µg/L	96%	75-125
1400200-CCV1	1.000	0.98	µg/L	98%	90-110
1400200-CCB1		-0.001	µg/L		
1400200-CCV2	1.000	0.98	µg/L	98%	90-110
1400200-CCB2		-0.001	µg/L		
1400200-CCV3	1.000	1.00	µg/L	100%	90-110
1400200-CCB3		-0.0008	µg/L		
1400200-CCV4	1.000	0.98	µg/L	98%	90-110
1400200-CCB4		-0.0009	µg/L		
1400200-CCV5	1.000	0.98	µg/L	98%	90-110
1400200-CCB5		-0.0006	µg/L		
1400200-CCV6	1.000	0.98	µg/L	98%	90-110
1400200-CCB6		-0.0006	µg/L		
1400200-CCV7	1.000	0.99	µg/L	99%	90-110
1400200-CCB7		-0.0005	µg/L		
1400200-CCV8	1.000	0.99	µg/L	99%	90-110
1400200-CCB8		-0.0006	µg/L		
1400200-CCV9	1.000	0.97	µg/L	97%	90-110
1400200-CCB9		-0.0008	µg/L		
1400200-CCVA	1.000	0.99	µg/L	99%	90-110
1400200-CCBA		-0.0007	µg/L		
1400200-CCVB	1.000	0.98	µg/L	98%	90-110
1400200-CCBB		-0.0007	µg/L		
1400200-CCVC	1.000	0.96	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: 1400200
Instrument: ICP-MS-3
Date: 03/11/2014
Analyte: Ba

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400200-CCBC		-0.001	µg/L		
1400200-CCVD	1.000	0.96	µg/L	96%	90-110
1400200-CCBD		-0.0009	µg/L		
1400200-CCVE	1.000	0.97	µg/L	97%	90-110
1400200-CCBE		-0.0008	µg/L		
1400200-CCVF	1.000	0.96	µg/L	96%	90-110
1400200-CCBF		0.0002	µg/L		
1400200-CCVG	1.000	0.98	µg/L	98%	90-110
1400200-CCBG		-0.0005	µg/L		
1400200-CCVH	25.00	23.84	µg/L	95%	90-110
1400200-CCBH		-0.0008	µg/L		
1400200-CCVI	25.00	24.26	µg/L	97%	90-110
1400200-CCBI		-0.0009	µg/L		
1400200-CCVJ	25.00	24.00	µg/L	96%	90-110
1400200-CCBJ		0.0002	µg/L		
1400200-CCVK	25.00	24.06	µg/L	96%	90-110
1400200-CCBK		0.0003	µg/L		
1400200-CCVL	25.00	24.29	µg/L	97%	90-110
1400200-CCBL		0.00005	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400200
Instrument: ICP-MS-3
Date: 03/11/2014
Analyte: Cd 114

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400200-ICB1		0.00	µg/L		
1400200-CAL1	0.01000	0.009	µg/L	94%	
1400200-CAL2	0.02000	0.02	µg/L	111%	
1400200-CAL3	0.1000	0.10	µg/L	102%	
1400200-CAL4	0.2000	0.21	µg/L	103%	
1400200-CAL5	1.000	0.99	µg/L	99%	
1400200-CAL6	2.000	1.99	µg/L	99%	
1400200-CAL7	10.00	9.56	µg/L	96%	
1400200-CAL8	20.00	19.12	µg/L	96%	
1400200-ICB2		0.001	µg/L		
1400200-ICV1	0.5000	0.48	µg/L	97%	90-110
1400200-ICB3		0.0009	µg/L		
1400200-IBL1		0.0009	µg/L		
1400200-IBL2		0.0008	µg/L		
1400200-IBL3		0.001	µg/L		
1400200-IBL4		0.001	µg/L		
1400200-SCV1	6.568	6.21	µg/L	94%	75-125
1400200-SCV3	2.000	1.91	µg/L	95%	75-125
1400200-CCV1	0.2000	0.21	µg/L	103%	90-110
1400200-CCB1		0.0005	µg/L		
1400200-CCV2	0.2000	0.20	µg/L	102%	90-110
1400200-CCB2		0.0009	µg/L		
1400200-CCV3	0.2000	0.20	µg/L	102%	90-110
1400200-CCB3		0.0009	µg/L		
1400200-CCV4	0.2000	0.21	µg/L	103%	90-110
1400200-CCB4		0.0007	µg/L		
1400200-CCV5	0.2000	0.21	µg/L	103%	90-110
1400200-CCB5		0.001	µg/L		
1400200-CCV6	0.2000	0.20	µg/L	101%	90-110
1400200-CCB6		0.001	µg/L		
1400200-CCV7	0.2000	0.20	µg/L	101%	90-110
1400200-CCB7		0.001	µg/L		
1400200-CCV8	0.2000	0.21	µg/L	103%	90-110
1400200-CCB8		0.001	µg/L		
1400200-CCV9	0.2000	0.20	µg/L	102%	90-110
1400200-CCB9		0.001	µg/L		
1400200-CCVA	0.2000	0.21	µg/L	106%	90-110
1400200-CCBA		0.001	µg/L		
1400200-CCVB	0.2000	0.21	µg/L	103%	90-110
1400200-CCBB		0.001	µg/L		
1400200-CCVC	0.2000	0.21	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: 1400200
Instrument: ICP-MS-3
Date: 03/11/2014
Analyte: Cd 114

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400200-CCBC		0.001	µg/L		
1400200-CCVD	0.2000	0.20	µg/L	100%	90-110
1400200-CCBD		0.001	µg/L		
1400200-CCVE	0.2000	0.20	µg/L	102%	90-110
1400200-CCBE		0.001	µg/L		
1400200-CCVF	0.2000	0.20	µg/L	99%	90-110
1400200-CCBF		0.0007	µg/L		
1400200-CCVG	0.2000	0.20	µg/L	100%	90-110
1400200-CCBG		0.0006	µg/L		
1400200-CCVH	1.000	0.97	µg/L	97%	90-110
1400200-CCBH		0.001	µg/L		
1400200-CCVI	1.000	0.96	µg/L	96%	90-110
1400200-CCBI		0.0009	µg/L		
1400200-CCVJ	1.000	0.95	µg/L	95%	90-110
1400200-CCBJ		0.002	µg/L		
1400200-CCVK	1.000	0.97	µg/L	97%	90-110
1400200-CCBK		0.0006	µg/L		
1400200-CCVL	1.000	0.97	µg/L	97%	90-110
1400200-CCBL		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: 1400200
Instrument: ICP-MS-3
Date: 03/11/2014
Analyte: Co

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400200-ICB1		0.00	µg/L		
1400200-CAL1	0.09990	0.10	µg/L	99%	
1400200-CAL2	0.1998	0.20	µg/L	102%	
1400200-CAL3	0.9990	0.98	µg/L	98%	
1400200-CAL4	1.998	2.04	µg/L	102%	
1400200-CAL5	4.995	5.20	µg/L	104%	
1400200-CAL6	9.990	10.31	µg/L	103%	
1400200-CAL7	49.95	48.43	µg/L	97%	
1400200-CAL8	99.90	95.07	µg/L	95%	
1400200-ICB2		-0.004	µg/L		
1400200-ICV1	2.500	2.51	µg/L	100%	90-110
1400200-ICB3		-0.006	µg/L		
1400200-IBL1		-0.007	µg/L		
1400200-IBL2		-0.007	µg/L		
1400200-IBL3		-0.006	µg/L		
1400200-IBL4		-0.007	µg/L		
1400200-SCV1	27.06	26.32	µg/L	97%	75-125
1400200-SCV3	10.00	9.93	µg/L	99%	75-125
1400200-CCV1	1.998	2.03	µg/L	101%	90-110
1400200-CCB1		-0.006	µg/L		
1400200-CCV2	1.998	2.04	µg/L	102%	90-110
1400200-CCB2		-0.006	µg/L		
1400200-CCV3	1.998	2.07	µg/L	104%	90-110
1400200-CCB3		-0.007	µg/L		
1400200-CCV4	1.998	2.03	µg/L	102%	90-110
1400200-CCB4		-0.006	µg/L		
1400200-CCV5	1.998	2.00	µg/L	100%	90-110
1400200-CCB5		-0.007	µg/L		
1400200-CCV6	1.998	2.05	µg/L	103%	90-110
1400200-CCB6		-0.006	µg/L		
1400200-CCV7	1.998	2.05	µg/L	103%	90-110
1400200-CCB7		-0.007	µg/L		
1400200-CCV8	1.998	2.08	µg/L	104%	90-110
1400200-CCB8		-0.006	µg/L		
1400200-CCV9	1.998	2.06	µg/L	103%	90-110
1400200-CCB9		-0.006	µg/L		
1400200-CCVA	1.998	2.10	µg/L	105%	90-110
1400200-CCBA		-0.006	µg/L		
1400200-CCVB	1.998	2.07	µg/L	104%	90-110
1400200-CCBB		-0.006	µg/L		
1400200-CCVC	1.998	2.16	µg/L	108%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400200
Instrument: ICP-MS-3
Date: 03/11/2014
Analyte: Co

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400200-CCBC		-0.006	µg/L		
1400200-CCVD	1.998	2.13	µg/L	106%	90-110
1400200-CCBD		-0.006	µg/L		
1400200-CCVE	1.998	2.12	µg/L	106%	90-110
1400200-CCBE		-0.007	µg/L		
1400200-CCVF	1.998	2.12	µg/L	106%	90-110
1400200-CCBF		-0.007	µg/L		
1400200-CCVG	1.998	2.07	µg/L	104%	90-110
1400200-CCBG		-0.006	µg/L		
1400200-CCVH	4.995	5.29	µg/L	106%	90-110
1400200-CCBH		-0.006	µg/L		
1400200-CCVI	4.995	5.33	µg/L	107%	90-110
1400200-CCBI		-0.006	µg/L		
1400200-CCVJ	4.995	5.25	µg/L	105%	90-110
1400200-CCBJ		-0.006	µg/L		
1400200-CCVK	4.995	5.43	µg/L	109%	90-110
1400200-CCBK		-0.006	µg/L		
1400200-CCVL	4.995	5.59	µg/L	*112%*	90-110
1400200-CCBL		-0.006	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400200
Instrument: ICP-MS-3
Date: 03/11/2014
Analyte: Cu 63

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400200-ICB1		0.00	µg/L		
1400200-CAL1	0.1000	0.10	µg/L	99%	
1400200-CAL2	0.2000	0.20	µg/L	102%	
1400200-CAL3	1.000	0.98	µg/L	98%	
1400200-CAL4	2.000	2.04	µg/L	102%	
1400200-CAL5	10.00	10.33	µg/L	103%	
1400200-CAL6	20.00	20.32	µg/L	102%	
1400200-CAL7	100.0	97.63	µg/L	98%	
1400200-CAL8	200.0	192.7	µg/L	96%	
1400200-ICB2		0.008	µg/L		
1400200-ICV1	5.000	5.11	µg/L	102%	90-110
1400200-ICB3		-0.0005	µg/L		
1400200-IBL1		-0.003	µg/L		
1400200-IBL2		-0.003	µg/L		
1400200-IBL3		-0.003	µg/L		
1400200-IBL4		-0.003	µg/L		
1400200-SCV1	22.76	22.71	µg/L	100%	75-125
1400200-SCV3	20.00	18.97	µg/L	95%	75-125
1400200-CCV1	2.000	2.02	µg/L	101%	90-110
1400200-CCB1		-0.003	µg/L		
1400200-CCV2	2.000	1.99	µg/L	100%	90-110
1400200-CCB2		-0.003	µg/L		
1400200-CCV3	2.000	2.03	µg/L	102%	90-110
1400200-CCB3		-0.002	µg/L		
1400200-CCV4	2.000	2.01	µg/L	101%	90-110
1400200-CCB4		-0.001	µg/L		
1400200-CCV5	2.000	2.05	µg/L	102%	90-110
1400200-CCB5		-0.003	µg/L		
1400200-CCV6	2.000	2.02	µg/L	101%	90-110
1400200-CCB6		-0.003	µg/L		
1400200-CCV7	2.000	2.02	µg/L	101%	90-110
1400200-CCB7		-0.003	µg/L		
1400200-CCV8	2.000	2.04	µg/L	102%	90-110
1400200-CCB8		-0.003	µg/L		
1400200-CCV9	2.000	2.00	µg/L	100%	90-110
1400200-CCB9		-0.003	µg/L		
1400200-CCVA	2.000	2.01	µg/L	101%	90-110
1400200-CCBA		-0.003	µg/L		
1400200-CCVB	2.000	2.04	µg/L	102%	90-110
1400200-CCBB		-0.004	µg/L		
1400200-CCVC	2.000	2.07	µg/L	104%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400200
Instrument: ICP-MS-3
Date: 03/11/2014
Analyte: Cu 63

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400200-CCBC		-0.004	µg/L		
1400200-CCVD	2.000	2.01	µg/L	100%	90-110
1400200-CCBD		-0.003	µg/L		
1400200-CCVE	2.000	2.02	µg/L	101%	90-110
1400200-CCBE		-0.003	µg/L		
1400200-CCVF	2.000	2.05	µg/L	103%	90-110
1400200-CCBF		-0.004	µg/L		
1400200-CCVG	2.000	2.04	µg/L	102%	90-110
1400200-CCBG		-0.004	µg/L		
1400200-CCVH	10.00	10.05	µg/L	100%	90-110
1400200-CCBH		-0.001	µg/L		
1400200-CCVI	10.00	10.46	µg/L	105%	90-110
1400200-CCBI		-0.001	µg/L		
1400200-CCVJ	10.00	10.37	µg/L	104%	90-110
1400200-CCBJ		-0.0005	µg/L		
1400200-CCVK	10.00	10.29	µg/L	103%	90-110
1400200-CCBK		0.0007	µg/L		
1400200-CCVL	10.00	10.50	µg/L	105%	90-110
1400200-CCBL		-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: 1400200
Instrument: ICP-MS-3
Date: 03/11/2014
Analyte: Mn

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400200-ICB1		0.00	µg/L		
1400200-CAL1	0.05000	0.05	µg/L	98%	
1400200-CAL2	0.1000	0.10	µg/L	103%	
1400200-CAL3	0.5000	0.49	µg/L	99%	
1400200-CAL4	1.000	1.01	µg/L	101%	
1400200-CAL5	25.00	25.65	µg/L	103%	
1400200-CAL6	50.00	50.60	µg/L	101%	
1400200-CAL7	250.0	246.3	µg/L	99%	
1400200-CAL8	500.0	479.9	µg/L	96%	
1400200-ICB2		0.01	µg/L		
1400200-ICV1	2.500	2.45	µg/L	98%	90-110
1400200-ICB3		-0.0003	µg/L		
1400200-IBL1		-0.002	µg/L		
1400200-IBL2		-0.003	µg/L		
1400200-IBL3		-0.002	µg/L		
1400200-IBL4		-0.002	µg/L		
1400200-SCV1	38.97	37.41	µg/L	96%	75-125
1400200-SCV3	10.00	9.42	µg/L	94%	75-125
1400200-CCV1	1.000	1.03	µg/L	103%	90-110
1400200-CCB1		-0.0006	µg/L		
1400200-CCV2	1.000	1.01	µg/L	101%	90-110
1400200-CCB2		-0.001	µg/L		
1400200-CCV3	1.000	1.03	µg/L	103%	90-110
1400200-CCB3		0.001	µg/L		
1400200-CCV4	1.000	1.02	µg/L	102%	90-110
1400200-CCB4		0.001	µg/L		
1400200-CCV5	1.000	1.01	µg/L	101%	90-110
1400200-CCB5		0.003	µg/L		
1400200-CCV6	1.000	1.01	µg/L	101%	90-110
1400200-CCB6		0.002	µg/L		
1400200-CCV7	1.000	1.04	µg/L	104%	90-110
1400200-CCB7		0.006	µg/L		
1400200-CCV8	1.000	1.06	µg/L	106%	90-110
1400200-CCB8		0.007	µg/L		
1400200-CCV9	1.000	1.06	µg/L	106%	90-110
1400200-CCB9		0.007	µg/L		
1400200-CCVA	1.000	1.07	µg/L	107%	90-110
1400200-CCBA		-0.0003	µg/L		
1400200-CCVB	1.000	1.06	µg/L	106%	90-110
1400200-CCBB		0.008	µg/L		
1400200-CCVC	1.000	1.08	µg/L	108%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400200
Instrument: ICP-MS-3
Date: 03/11/2014
Analyte: Mn

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400200-CCBC		0.0009	µg/L		
1400200-CCVD	1.000	1.08	µg/L	108%	90-110
1400200-CCBD		0.005	µg/L		
1400200-CCVE	1.000	1.05	µg/L	105%	90-110
1400200-CCBE		-0.0004	µg/L		
1400200-CCVF	1.000	1.06	µg/L	106%	90-110
1400200-CCBF		0.001	µg/L		
1400200-CCVG	1.000	1.05	µg/L	105%	90-110
1400200-CCBG		0.002	µg/L		
1400200-CCVH	25.00	26.63	µg/L	107%	90-110
1400200-CCBH		0.001	µg/L		
1400200-CCVI	25.00	25.88	µg/L	104%	90-110
1400200-CCBI		0.002	µg/L		
1400200-CCVJ	25.00	26.03	µg/L	104%	90-110
1400200-CCBJ		0.003	µg/L		
1400200-CCVK	25.00	27.10	µg/L	108%	90-110
1400200-CCBK		0.005	µg/L		
1400200-CCVL	25.00	27.15	µg/L	109%	90-110
1400200-CCBL		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: 1400200
Instrument: ICP-MS-3
Date: 03/11/2014
Analyte: Sb

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400200-ICB1		0.00	µg/L		
1400200-CAL1	0.02000	0.02	µg/L	104%	
1400200-CAL2	0.04000	0.04	µg/L	92%	
1400200-CAL3	0.2000	0.19	µg/L	95%	
1400200-CAL4	0.4000	0.39	µg/L	97%	
1400200-CAL5	1.000	1.04	µg/L	104%	
1400200-CAL6	2.000	2.07	µg/L	103%	
1400200-CAL7	10.00	10.13	µg/L	101%	
1400200-CAL8	20.00	20.52	µg/L	103%	
1400200-ICB2		0.005	µg/L		
1400200-ICV1	1.000	1.02	µg/L	102%	90-110
1400200-ICB3		0.003	µg/L		
1400200-IBL1		-0.0008	µg/L		
1400200-IBL2		-0.002	µg/L		
1400200-IBL3		-0.001	µg/L		
1400200-IBL4		-0.002	µg/L		
1400200-SCV1	58.30	57.59	µg/L	99%	75-125
1400200-SCV3	4.000	4.06	µg/L	101%	75-125
1400200-CCV1	0.4000	0.41	µg/L	101%	90-110
1400200-CCB1		-0.001	µg/L		
1400200-CCV2	0.4000	0.40	µg/L	100%	90-110
1400200-CCB2		-0.001	µg/L		
1400200-CCV3	0.4000	0.40	µg/L	101%	90-110
1400200-CCB3		-0.001	µg/L		
1400200-CCV4	0.4000	0.40	µg/L	99%	90-110
1400200-CCB4		-0.001	µg/L		
1400200-CCV5	0.4000	0.40	µg/L	100%	90-110
1400200-CCB5		-0.001	µg/L		
1400200-CCV6	0.4000	0.39	µg/L	97%	90-110
1400200-CCB6		-0.001	µg/L		
1400200-CCV7	0.4000	0.40	µg/L	99%	90-110
1400200-CCB7		-0.0007	µg/L		
1400200-CCV8	0.4000	0.40	µg/L	99%	90-110
1400200-CCB8		0.0003	µg/L		
1400200-CCV9	0.4000	0.40	µg/L	99%	90-110
1400200-CCB9		0.0004	µg/L		
1400200-CCVA	0.4000	0.41	µg/L	102%	90-110
1400200-CCBA		-0.0002	µg/L		
1400200-CCVB	0.4000	0.40	µg/L	101%	90-110
1400200-CCBB		0.0007	µg/L		
1400200-CCVC	0.4000	0.40	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: 1400200
Instrument: ICP-MS-3
Date: 03/11/2014
Analyte: Sb

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400200-CCBC		0.00005	µg/L		
1400200-CCVD	0.4000	0.41	µg/L	101%	90-110
1400200-CCBD		0.0005	µg/L		
1400200-CCVE	0.4000	0.40	µg/L	100%	90-110
1400200-CCBE		-0.00003	µg/L		
1400200-CCVF	0.4000	0.39	µg/L	98%	90-110
1400200-CCBF		-0.0002	µg/L		
1400200-CCVG	0.4000	0.40	µg/L	100%	90-110
1400200-CCBG		0.00009	µg/L		
1400200-CCVH	1.000	1.01	µg/L	101%	90-110
1400200-CCBH		-0.0001	µg/L		
1400200-CCVI	1.000	1.02	µg/L	102%	90-110
1400200-CCBI		0.00002	µg/L		
1400200-CCVJ	1.000	0.99	µg/L	99%	90-110
1400200-CCBJ		0.0002	µg/L		
1400200-CCVK	1.000	0.99	µg/L	99%	90-110
1400200-CCBK		-0.0001	µg/L		
1400200-CCVL	1.000	1.01	µg/L	101%	90-110
1400200-CCBL		-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: 1400200
Instrument: ICP-MS-3
Date: 03/11/2014
Analyte: Tl

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400200-ICB1		0.00	µg/L		
1400200-CAL1	0.01000	0.01	µg/L	98%	
1400200-CAL2	0.02000	0.02	µg/L	103%	
1400200-CAL3	0.1000	0.10	µg/L	103%	
1400200-CAL4	0.2000	0.21	µg/L	103%	
1400200-CAL5	0.5000	0.52	µg/L	104%	
1400200-CAL6	1.000	1.01	µg/L	101%	
1400200-CAL7	5.000	4.78	µg/L	96%	
1400200-CAL8	10.00	9.23	µg/L	92%	
1400200-ICB2		0.00001	µg/L		
1400200-ICV1	0.2500	0.25	µg/L	101%	90-110
1400200-ICB3		-0.001	µg/L		
1400200-IBL1		-0.0009	µg/L		
1400200-IBL2		-0.0009	µg/L		
1400200-IBL3		-0.0009	µg/L		
1400200-IBL4		-0.0008	µg/L		
1400200-SCV1	7.445	7.29	µg/L	98%	75-125
1400200-SCV3	1.000	0.96	µg/L	96%	75-125
1400200-CCV1	0.2000	0.21	µg/L	104%	90-110
1400200-CCB1		-0.0009	µg/L		
1400200-CCV2	0.2000	0.21	µg/L	104%	90-110
1400200-CCB2		-0.0008	µg/L		
1400200-CCV3	0.2000	0.21	µg/L	105%	90-110
1400200-CCB3		-0.0008	µg/L		
1400200-CCV4	0.2000	0.21	µg/L	103%	90-110
1400200-CCB4		-0.0009	µg/L		
1400200-CCV5	0.2000	0.21	µg/L	104%	90-110
1400200-CCB5		-0.0008	µg/L		
1400200-CCV6	0.2000	0.21	µg/L	106%	90-110
1400200-CCB6		-0.0008	µg/L		
1400200-CCV7	0.2000	0.21	µg/L	106%	90-110
1400200-CCB7		-0.0008	µg/L		
1400200-CCV8	0.2000	0.21	µg/L	106%	90-110
1400200-CCB8		-0.0008	µg/L		
1400200-CCV9	0.2000	0.21	µg/L	107%	90-110
1400200-CCB9		-0.0009	µg/L		
1400200-CCVA	0.2000	0.21	µg/L	107%	90-110
1400200-CCBA		-0.0009	µg/L		
1400200-CCVB	0.2000	0.21	µg/L	107%	90-110
1400200-CCBB		-0.0008	µg/L		
1400200-CCVC	0.2000	0.22	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: 1400200
Instrument: ICP-MS-3
Date: 03/11/2014
Analyte: Tl

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400200-CCBC		-0.0008	µg/L		
1400200-CCVD	0.2000	0.21	µg/L	106%	90-110
1400200-CCBD		-0.0009	µg/L		
1400200-CCVE	0.2000	0.21	µg/L	107%	90-110
1400200-CCBE		-0.0008	µg/L		
1400200-CCVF	0.2000	0.22	µg/L	108%	90-110
1400200-CCBF		-0.0009	µg/L		
1400200-CCVG	0.2000	0.21	µg/L	106%	90-110
1400200-CCBG		-0.0008	µg/L		
1400200-CCVH	0.5000	0.53	µg/L	107%	90-110
1400200-CCBH		-0.0008	µg/L		
1400200-CCVI	0.5000	0.52	µg/L	105%	90-110
1400200-CCBI		-0.0008	µg/L		
1400200-CCVJ	0.5000	0.52	µg/L	104%	90-110
1400200-CCBJ		-0.0007	µg/L		
1400200-CCVK	0.5000	0.52	µg/L	104%	90-110
1400200-CCBK		-0.0008	µg/L		
1400200-CCVL	0.5000	0.52	µg/L	105%	90-110
1400200-CCBL		-0.0008	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400200
Instrument: ICP-MS-3
Date: 03/11/2014
Analyte: Zn 66

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400200-ICB1		0.00	µg/L		
1400200-CAL1	0.2000	0.20	µg/L	100%	
1400200-CAL2	0.4000	0.40	µg/L	101%	
1400200-CAL3	2.000	1.97	µg/L	99%	
1400200-CAL4	4.000	4.07	µg/L	102%	
1400200-CAL5	50.00	50.26	µg/L	101%	
1400200-CAL6	100.0	101.9	µg/L	102%	
1400200-CAL7	500.0	492.7	µg/L	99%	
1400200-CAL8	1000	985.0	µg/L	99%	
1400200-ICB2		0.02	µg/L		
1400200-ICV1	5.000	5.10	µg/L	102%	90-110
1400200-ICB3		0.08	µg/L		
1400200-IBL1		0.006	µg/L		
1400200-IBL2		0.02	µg/L		
1400200-IBL3		0.02	µg/L		
1400200-IBL4		0.01	µg/L		
1400200-SCV1	78.50	83.88	µg/L	107%	75-125
1400200-SCV3	20.00	20.45	µg/L	102%	75-125
1400200-CCV1	4.000	4.01	µg/L	100%	90-110
1400200-CCB1		0.002	µg/L		
1400200-CCV2	4.000	3.99	µg/L	100%	90-110
1400200-CCB2		0.009	µg/L		
1400200-CCV3	4.000	4.09	µg/L	102%	90-110
1400200-CCB3		0.01	µg/L		
1400200-CCV4	4.000	4.04	µg/L	101%	90-110
1400200-CCB4		0.01	µg/L		
1400200-CCV5	4.000	4.16	µg/L	104%	90-110
1400200-CCB5		0.008	µg/L		
1400200-CCV6	4.000	4.06	µg/L	101%	90-110
1400200-CCB6		0.01	µg/L		
1400200-CCV7	4.000	4.07	µg/L	102%	90-110
1400200-CCB7		0.01	µg/L		
1400200-CCV8	4.000	4.15	µg/L	104%	90-110
1400200-CCB8		0.03	µg/L		
1400200-CCV9	4.000	4.04	µg/L	101%	90-110
1400200-CCB9		0.04	µg/L		
1400200-CCVA	4.000	4.07	µg/L	102%	90-110
1400200-CCBA		0.03	µg/L		
1400200-CCVB	4.000	4.13	µg/L	103%	90-110
1400200-CCBB		0.03	µg/L		
1400200-CCVC	4.000	4.15	µg/L	104%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400200
Instrument: ICP-MS-3
Date: 03/11/2014
Analyte: Zn 66

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400200-CCBC		0.03	µg/L		
1400200-CCVD	4.000	4.01	µg/L	100%	90-110
1400200-CCBD		0.03	µg/L		
1400200-CCVE	4.000	3.94	µg/L	98%	90-110
1400200-CCBE		0.03	µg/L		
1400200-CCVF	4.000	4.11	µg/L	103%	90-110
1400200-CCBF		0.03	µg/L		
1400200-CCVG	4.000	4.12	µg/L	103%	90-110
1400200-CCBG		0.03	µg/L		
1400200-CCVH	50.00	49.67	µg/L	99%	90-110
1400200-CCBH		0.006	µg/L		
1400200-CCVI	50.00	50.61	µg/L	101%	90-110
1400200-CCBI		0.01	µg/L		
1400200-CCVJ	50.00	50.19	µg/L	100%	90-110
1400200-CCBJ		0.03	µg/L		
1400200-CCVK	50.00	49.74	µg/L	99%	90-110
1400200-CCBK		0.01	µg/L		
1400200-CCVL	50.00	51.34	µg/L	103%	90-110
1400200-CCBL		0.009	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400204
Instrument: ICP-MS-2
Date: 03/12/2014
Analyte: Cr 52

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

Lab ID	True Value	Result	Units	REC & Limits	
1400204-ICB1		0.000	µg/L		
1400204-CAL1	0.03004	0.030	µg/L	100%	
1400204-CAL2	0.1502	0.152	µg/L	101%	
1400204-CAL3	0.3004	0.301	µg/L	100%	
1400204-CAL4	1.502	1.550	µg/L	103%	
1400204-CAL5	12.51	12.63	µg/L	101%	
1400204-CAL6	25.02	24.74	µg/L	99%	
1400204-CAL7	125.1	118.6	µg/L	95%	
1400204-CAL8	250.2	252.2	µg/L	101%	
1400204-CAL9	500.4	499.9	µg/L	100%	
1400204-ICB2		0.021	µg/L		
1400204-ICV1	12.50	11.85	µg/L	95%	90-110
1400204-ICB3		-0.001	µg/L		
1400204-IBL1		-0.002	µg/L		
1400204-IBL2		-0.002	µg/L		
1400204-IBL3		-0.003	µg/L		
1400204-IBL4		-0.002	µg/L		
1400204-SCV1	20.40	19.75	µg/L	97%	75-125
1400204-SCV2	50.00	48.90	µg/L	98%	75-125
1400204-CCV1	1.502	1.573	µg/L	105%	90-110
1400204-CCB1		-0.002	µg/L		
1400204-CCV2	1.502	1.717	µg/L	*114%*	90-110
1400204-CCB2		-0.003	µg/L		
1400204-CCV3	1.502	1.521	µg/L	101%	90-110
1400204-CCB3		-0.002	µg/L		
1400204-CCV4	1.502	1.488	µg/L	99%	90-110
1400204-CCB4		-0.002	µg/L		
1400204-CCV5	1.502	1.480	µg/L	99%	90-110
1400204-CCB5		-0.002	µg/L		
1400204-CCV6	1.502	1.445	µg/L	96%	90-110
1400204-CCB6		-0.003	µg/L		
1400204-CCV7	1.502	1.584	µg/L	105%	90-110
1400204-CCB7		-0.002	µg/L		
1400204-CCV8	12.51	11.41	µg/L	91%	90-110
1400204-CCB8		-0.003	µg/L		
1400204-CCV9	12.51	12.05	µg/L	96%	90-110
1400204-CCB9		-0.001	µg/L		
1400204-CCVA	12.51	11.62	µg/L	93%	90-110
1400204-CCBA		-0.002	µg/L		
1400204-CCVB	12.51	11.92	µg/L	95%	90-110
1400204-CCBB		-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: 1400204
Instrument: ICP-MS-2
Date: 03/12/2014
Analyte: Cr 52

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

Lab ID	True Value	Result	Units	REC & Limits	
1400204-CCVC	12.51	12.21	µg/L	98%	90-110
1400204-CCBC		-0.002	µg/L		
1400204-CCVD	12.51	11.68	µg/L	93%	90-110
1400204-CCBD		-0.002	µg/L		
1400204-CCVE	12.51	11.73	µg/L	94%	90-110
1400204-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: 1400204
Instrument: ICP-MS-2
Date: 03/12/2014
Analyte: Fe 56

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

Lab ID	True Value	Result	Units	REC & Limits	
1400204-ICB1		0.000	µg/L		
1400204-CAL1	1.004	1.014	µg/L	101%	
1400204-CAL2	5.020	4.772	µg/L	95%	
1400204-CAL3	10.04	9.604	µg/L	96%	
1400204-CAL4	50.20	48.22	µg/L	96%	
1400204-CAL5	251.0	259.2	µg/L	103%	
1400204-CAL6	502.0	512.7	µg/L	102%	
1400204-CAL7	2510	2556	µg/L	102%	
1400204-CAL8	5020	5043	µg/L	100%	
1400204-CAL9	10040	10140	µg/L	101%	
1400204-ICB2		0.491	µg/L		
1400204-ICV1	250.0	250.1	µg/L	100%	90-110
1400204-ICB3		0.019	µg/L		
1400204-IBL1		-0.006	µg/L		
1400204-IBL2		-0.0002	µg/L		
1400204-IBL3		-0.006	µg/L		
1400204-IBL4		-0.003	µg/L		
1400204-SCV1	98.10	102.2	µg/L	104%	75-125
1400204-SCV2	1000	1031	µg/L	103%	75-125
1400204-CCV1	50.20	49.16	µg/L	98%	90-110
1400204-CCB1		0.016	µg/L		
1400204-CCV2	50.20	52.79	µg/L	105%	90-110
1400204-CCB2		0.040	µg/L		
1400204-CCV3	50.20	47.27	µg/L	94%	90-110
1400204-CCB3		0.013	µg/L		
1400204-CCV4	50.20	46.43	µg/L	92%	90-110
1400204-CCB4		0.010	µg/L		
1400204-CCV5	50.20	46.69	µg/L	93%	90-110
1400204-CCB5		0.016	µg/L		
1400204-CCV6	50.20	45.82	µg/L	91%	90-110
1400204-CCB6		0.011	µg/L		
1400204-CCV7	50.20	50.36	µg/L	100%	90-110
1400204-CCB7		0.024	µg/L		
1400204-CCV8	251.0	239.7	µg/L	95%	90-110
1400204-CCB8		0.013	µg/L		
1400204-CCV9	251.0	255.6	µg/L	102%	90-110
1400204-CCB9		0.031	µg/L		
1400204-CCVA	251.0	244.6	µg/L	97%	90-110
1400204-CCBA		0.026	µg/L		
1400204-CCVB	251.0	249.3	µg/L	99%	90-110
1400204-CCBB		0.026	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400204
Instrument: ICP-MS-2
Date: 03/12/2014
Analyte: Fe 56

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

Lab ID	True Value	Result	Units	REC & Limits	
1400204-CCVC	251.0	252.5	µg/L	101%	90-110
1400204-CCBC		0.027	µg/L		
1400204-CCVD	251.0	244.8	µg/L	98%	90-110
1400204-CCBD		0.027	µg/L		
1400204-CCVE	251.0	248.1	µg/L	99%	90-110
1400204-CCBE		0.041	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400204
Instrument: ICP-MS-2
Date: 03/12/2014
Analyte: V

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

Lab ID	True Value	Result	Units	REC & Limits	
1400204-ICB1		0.000	µg/L		
1400204-CAL1	0.03000	0.031	µg/L	102%	
1400204-CAL2	0.1500	0.139	µg/L	93%	
1400204-CAL3	0.3000	0.275	µg/L	92%	
1400204-CAL4	1.500	1.420	µg/L	95%	
1400204-CAL5	5.000	4.958	µg/L	99%	
1400204-CAL6	10.00	10.27	µg/L	103%	
1400204-CAL7	20.00	23.34	µg/L	117%	
1400204-ICB2		0.001	µg/L		
1400204-ICV1	5.000	4.904	µg/L	98%	90-110
1400204-ICB3		-0.002	µg/L		
1400204-IBL1		-0.002	µg/L		
1400204-IBL2		-0.002	µg/L		
1400204-IBL3		-0.002	µg/L		
1400204-IBL4		-0.002	µg/L		
1400204-SCV1	37.86	39.45	µg/L	104%	75-125
1400204-SCV2	20.00	22.66	µg/L	113%	75-125
1400204-CCV1	1.500	1.500	µg/L	100%	90-110
1400204-CCB1		-0.001	µg/L		
1400204-CCV2	1.500	1.576	µg/L	105%	90-110
1400204-CCB2		-0.002	µg/L		
1400204-CCV3	1.500	1.420	µg/L	95%	90-110
1400204-CCB3		-0.002	µg/L		
1400204-CCV4	1.500	1.419	µg/L	95%	90-110
1400204-CCB4		-0.002	µg/L		
1400204-CCV5	1.500	1.462	µg/L	97%	90-110
1400204-CCB5		-0.002	µg/L		
1400204-CCV6	1.500	1.447	µg/L	96%	90-110
1400204-CCB6		-0.002	µg/L		
1400204-CCV7	1.500	1.581	µg/L	105%	90-110
1400204-CCB7		-0.002	µg/L		
1400204-CCV8	5.000	4.615	µg/L	92%	90-110
1400204-CCB8		-0.003	µg/L		
1400204-CCV9	5.000	4.971	µg/L	99%	90-110
1400204-CCB9		-0.002	µg/L		
1400204-CCVA	5.000	4.819	µg/L	96%	90-110
1400204-CCBA		-0.002	µg/L		
1400204-CCVB	5.000	4.803	µg/L	96%	90-110
1400204-CCBB		-0.002	µg/L		
1400204-CCVC	5.000	4.839	µg/L	97%	90-110
1400204-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: 1400204
Instrument: ICP-MS-2
Date: 03/12/2014
Analyte: V

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

Lab ID	True Value	Result	Units	REC & Limits	
1400204-CCVD	5.000	4.654	µg/L	93%	90-110
1400204-CCBD		-0.001	µg/L		
1400204-CCVE	5.000	4.759	µg/L	95%	90-110
1400204-CCBE		-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: 1400220
Instrument: ICP-MS-3
Date: 03/18/2014
Analyte: Al

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400220-ICB1		0.00	µg/L		
1400220-CAL1	1.500	1.50	µg/L	100%	
1400220-CAL2	3.000	3.04	µg/L	101%	
1400220-CAL3	15.00	14.72	µg/L	98%	
1400220-CAL4	30.00	29.01	µg/L	97%	
1400220-CAL5	500.0	513.9	µg/L	103%	
1400220-CAL6	1000	1022	µg/L	102%	
1400220-CAL7	5000	4931	µg/L	99%	
1400220-CAL8	10000	10060	µg/L	101%	
1400220-ICB2		-0.07	µg/L		
1400220-ICV1	50.00	49.97	µg/L	100%	90-110
1400220-ICB3		-0.05	µg/L		
1400220-IBL1		-0.04	µg/L		
1400220-IBL2		-0.04	µg/L		
1400220-IBL3		-0.06	µg/L		
1400220-IBL4		-0.06	µg/L		
1400220-SCV1	141.8	144.4	µg/L	102%	75-125
1400220-SCV3	200.0	185.4	µg/L	93%	75-125
1400220-CCV1	30.00	28.00	µg/L	93%	90-110
1400220-CCB1		-0.06	µg/L		
1400220-CCV2	30.00	28.74	µg/L	96%	90-110
1400220-CCB2		-0.06	µg/L		
1400220-CCV3	30.00	29.26	µg/L	98%	90-110
1400220-CCB3		-0.04	µg/L		
1400220-CCV4	30.00	28.66	µg/L	96%	90-110
1400220-CCB4		-0.05	µg/L		
1400220-CCV5	30.00	28.36	µg/L	95%	90-110
1400220-CCB5		-0.02	µg/L		
1400220-CCV6	30.00	28.97	µg/L	97%	90-110
1400220-CCB6		-0.05	µg/L		
1400220-CCV7	30.00	29.10	µg/L	97%	90-110
1400220-CCB7		-0.05	µg/L		
1400220-CCV8	30.00	28.30	µg/L	94%	90-110
1400220-CCB8		-0.08	µg/L		
1400220-CCV9	30.00	29.29	µg/L	98%	90-110
1400220-CCB9		-0.08	µg/L		
1400220-CCVA	30.00	29.53	µg/L	98%	90-110
1400220-CCBA		-0.08	µg/L		
1400220-CCVB	30.00	30.90	µg/L	103%	90-110
1400220-CCBB		-0.04	µg/L		
1400220-CCVC	30.00	30.93	µg/L	103%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400220
Instrument: ICP-MS-3
Date: 03/18/2014
Analyte: Al

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400220-CCBC		-0.05	µg/L		
1400220-CCVD	30.00	31.98	µg/L	107%	90-110
1400220-CCBD		-0.03	µg/L		
1400220-CCVE	30.00	30.46	µg/L	102%	90-110
1400220-CCBE		-0.04	µg/L		
1400220-CCVF	30.00	30.96	µg/L	103%	90-110
1400220-CCBF		-0.03	µg/L		
1400220-CCVG	30.00	28.85	µg/L	96%	90-110
1400220-CCBG		-0.10	µg/L		
1400220-CCVH	30.00	28.85	µg/L	96%	90-110
1400220-CCBH		-0.10	µg/L		
1400220-CCVI	30.00	38.94	µg/L	*130%*	90-110
1400220-CCBI		-0.06	µg/L		
1400220-CCVJ	30.00	43.46	µg/L	*145%*	90-110
1400220-CCBJ		-0.07	µg/L		
1400220-CCVK	30.00	31.33	µg/L	104%	90-110
1400220-CCBK		-0.08	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400220
Instrument: ICP-MS-3
Date: 03/18/2014
Analyte: Be

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400220-ICB1		0.00	µg/L		
1400220-CAL1	0.1500	0.15	µg/L	99%	
1400220-CAL2	0.3000	0.30	µg/L	101%	
1400220-CAL3	1.500	1.50	µg/L	100%	
1400220-CAL4	3.000	2.95	µg/L	98%	
1400220-CAL5	1.000	1.04	µg/L	104%	
1400220-CAL6	2.000	2.01	µg/L	101%	
1400220-CAL7	10.00	9.79	µg/L	98%	
1400220-CAL8	20.00	19.89	µg/L	99%	
1400220-ICB2		-0.001	µg/L		
1400220-ICV1	1.000	1.01	µg/L	101%	90-110
1400220-ICB3		-0.002	µg/L		
1400220-IBL1		-0.002	µg/L		
1400220-IBL2		-0.001	µg/L		
1400220-IBL3		-0.00005	µg/L		
1400220-IBL4		-0.002	µg/L		
1400220-SCV1	13.98	13.43	µg/L	96%	75-125
1400220-SCV3	4.000	3.74	µg/L	93%	75-125
1400220-CCV1	3.000	2.83	µg/L	94%	90-110
1400220-CCB1		-0.001	µg/L		
1400220-CCV2	3.000	2.79	µg/L	93%	90-110
1400220-CCB2		-0.002	µg/L		
1400220-CCV3	3.000	2.87	µg/L	96%	90-110
1400220-CCB3		-0.002	µg/L		
1400220-CCV4	3.000	2.85	µg/L	95%	90-110
1400220-CCB4		-0.002	µg/L		
1400220-CCV5	3.000	2.86	µg/L	95%	90-110
1400220-CCB5		-0.002	µg/L		
1400220-CCV6	3.000	2.87	µg/L	96%	90-110
1400220-CCB6		-0.002	µg/L		
1400220-CCV7	3.000	2.88	µg/L	96%	90-110
1400220-CCB7		-0.002	µg/L		
1400220-CCV8	3.000	2.75	µg/L	92%	90-110
1400220-CCB8		-0.002	µg/L		
1400220-CCV9	3.000	2.81	µg/L	94%	90-110
1400220-CCB9		-0.002	µg/L		
1400220-CCVA	3.000	2.85	µg/L	95%	90-110
1400220-CCBA		-0.002	µg/L		
1400220-CCVB	3.000	2.88	µg/L	96%	90-110
1400220-CCBB		-0.001	µg/L		
1400220-CCVC	3.000	3.03	µg/L	101%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400220
Instrument: ICP-MS-3
Date: 03/18/2014
Analyte: Be

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400220-CCBC		-0.001	µg/L		
1400220-CCVD	3.000	3.15	µg/L	105%	90-110
1400220-CCBD		-0.001	µg/L		
1400220-CCVE	3.000	2.97	µg/L	99%	90-110
1400220-CCBE		-0.002	µg/L		
1400220-CCVF	3.000	3.01	µg/L	100%	90-110
1400220-CCBF		-0.001	µg/L		
1400220-CCVG	3.000	2.70	µg/L	90%	90-110
1400220-CCBG		-0.002	µg/L		
1400220-CCVH	3.000	2.80	µg/L	93%	90-110
1400220-CCBH		-0.002	µg/L		
1400220-CCVI	3.000	3.83	µg/L	*128%*	90-110
1400220-CCBI		-0.003	µg/L		
1400220-CCVJ	3.000	4.34	µg/L	*145%*	90-110
1400220-CCBJ		-0.0001	µg/L		
1400220-CCVK	3.000	3.07	µg/L	102%	90-110
1400220-CCBK		-0.0008	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400220
Instrument: ICP-MS-3
Date: 03/18/2014
Analyte: Pb

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400220-ICB1		0.00	µg/L		
1400220-CAL1	0.02498	0.02	µg/L	98%	
1400220-CAL2	0.04996	0.05	µg/L	104%	
1400220-CAL3	0.2498	0.25	µg/L	101%	
1400220-CAL4	0.4996	0.51	µg/L	102%	
1400220-CAL5	2.498	2.59	µg/L	104%	
1400220-CAL6	4.996	5.17	µg/L	103%	
1400220-CAL7	24.98	23.81	µg/L	95%	
1400220-CAL8	49.96	46.51	µg/L	93%	
1400220-ICB2		-0.002	µg/L		
1400220-ICV1	2.500	2.53	µg/L	101%	90-110
1400220-ICB3		-0.002	µg/L		
1400220-IBL1		-0.003	µg/L		
1400220-IBL2		-0.002	µg/L		
1400220-IBL3		-0.003	µg/L		
1400220-IBL4		-0.002	µg/L		
1400220-SCV1	19.63	19.64	µg/L	100%	75-125
1400220-SCV3	10.00	9.56	µg/L	96%	75-125
1400220-CCV1	0.4996	0.51	µg/L	103%	90-110
1400220-CCB1		-0.002	µg/L		
1400220-CCV2	0.4996	0.51	µg/L	103%	90-110
1400220-CCB2		-0.002	µg/L		
1400220-CCV3	0.4996	0.52	µg/L	104%	90-110
1400220-CCB3		-0.003	µg/L		
1400220-CCV4	0.4996	0.52	µg/L	105%	90-110
1400220-CCB4		-0.002	µg/L		
1400220-CCV5	0.4996	0.52	µg/L	105%	90-110
1400220-CCB5		-0.002	µg/L		
1400220-CCV6	0.4996	0.53	µg/L	106%	90-110
1400220-CCB6		-0.002	µg/L		
1400220-CCV7	0.4996	0.52	µg/L	105%	90-110
1400220-CCB7		-0.002	µg/L		
1400220-CCV8	0.4996	0.53	µg/L	105%	90-110
1400220-CCB8		-0.002	µg/L		
1400220-CCV9	0.4996	0.53	µg/L	106%	90-110
1400220-CCB9		-0.002	µg/L		
1400220-CCVA	0.4996	0.53	µg/L	106%	90-110
1400220-CCBA		-0.002	µg/L		
1400220-CCVB	0.4996	0.52	µg/L	105%	90-110
1400220-CCBB		-0.002	µg/L		
1400220-CCVC	0.4996	0.52	µg/L	105%	90-110

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400220
Instrument: ICP-MS-3
Date: 03/18/2014
Analyte: Pb

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400220-CCBC		-0.002	µg/L		
1400220-CCVD	0.4996	0.51	µg/L	103%	90-110
1400220-CCBD		-0.002	µg/L		
1400220-CCVE	0.4996	0.51	µg/L	102%	90-110
1400220-CCBE		-0.002	µg/L		
1400220-CCVF	0.4996	0.51	µg/L	102%	90-110
1400220-CCBF		-0.002	µg/L		
1400220-CCVG	0.4996	0.54	µg/L	107%	90-110
1400220-CCBG		-0.002	µg/L		
1400220-CCVH	0.4996	0.53	µg/L	106%	90-110
1400220-CCBH		-0.002	µg/L		
1400220-CCVI	0.4996	0.70	µg/L	*140%*	90-110
1400220-CCBI		-0.002	µg/L		
1400220-CCVJ	0.4996	0.78	µg/L	*156%*	90-110
1400220-CCBJ		-0.002	µg/L		
1400220-CCVK	0.4996	0.56	µg/L	*113%*	90-110
1400220-CCBK		-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: 1400231
Instrument: ICP-MS-2
Date: 03/21/2014
Analyte: As 91

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

Lab ID	True Value	Result	Units	REC & Limits	
1400231-ICB1		0.000	µg/L		
1400231-CAL1	0.02500	0.026	µg/L	104%	
1400231-CAL2	0.05000	0.046	µg/L	92%	
1400231-CAL3	0.2500	0.256	µg/L	102%	
1400231-CAL4	1.000	1.047	µg/L	105%	
1400231-CAL5	5.000	4.950	µg/L	99%	
1400231-CAL6	25.00	25.25	µg/L	101%	
1400231-CAL7	125.0	124.4	µg/L	100%	
1400231-CAL8	500.0	489.8	µg/L	98%	
1400231-ICB2		0.117	µg/L		
1400231-ICV1	5.000	4.751	µg/L	95%	90-110
1400231-ICB3		0.012	µg/L		
1400231-IBL1		0.009	µg/L		
1400231-IBL2		0.003	µg/L		
1400231-IBL3		-0.001	µg/L		
1400231-IBL4		0.003	µg/L		
1400231-SCV1	60.45	61.46	µg/L	102%	75-125
1400231-CCV1	1.000	1.066	µg/L	107%	90-110
1400231-CCB1		-0.0001	µg/L		
1400231-CCV2	1.000	1.102	µg/L	110%	90-110
1400231-CCB2		-0.0004	µg/L		
1400231-CCV3	1.000	1.074	µg/L	107%	90-110
1400231-CCB3		-0.001	µg/L		
1400231-CCV4	1.000	1.037	µg/L	104%	90-110
1400231-CCB4		-0.003	µg/L		
1400231-CCV5	1.000	1.051	µg/L	105%	90-110
1400231-CCB5		-0.002	µg/L		
1400231-CCV6	1.000	1.073	µg/L	107%	90-110
1400231-CCB6		-0.002	µg/L		
1400231-CCV7	1.000	1.085	µg/L	108%	90-110
1400231-CCB7		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: 1400231
Instrument: ICP-MS-2
Date: 03/21/2014
Analyte: Se 78

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

Lab ID	True Value	Result	Units	REC & Limits	
1400231-ICB1		0.000	µg/L		
1400231-CAL1	0.05000	0.048	µg/L	96%	
1400231-CAL2	0.1000	0.106	µg/L	106%	
1400231-CAL3	0.2500	0.254	µg/L	102%	
1400231-CAL4	1.000	1.012	µg/L	101%	
1400231-CAL5	5.000	4.847	µg/L	97%	
1400231-CAL6	25.00	25.02	µg/L	100%	
1400231-CAL7	125.0	124.7	µg/L	100%	
1400231-CAL8	500.0	488.5	µg/L	98%	
1400231-ICB2		0.334	µg/L		
1400231-ICV1	10.00	9.713	µg/L	97%	90-110
1400231-ICB3		0.068	µg/L		
1400231-IBL1		0.035	µg/L		
1400231-IBL2		0.031	µg/L		
1400231-IBL3		0.028	µg/L		
1400231-IBL4		0.022	µg/L		
1400231-SCV1	11.97	12.53	µg/L	105%	75-125
1400231-CCV1	1.000	1.009	µg/L	101%	90-110
1400231-CCB1		0.023	µg/L		
1400231-CCV2	1.000	1.100	µg/L	110%	90-110
1400231-CCB2		0.018	µg/L		
1400231-CCV3	1.000	1.035	µg/L	103%	90-110
1400231-CCB3		0.012	µg/L		
1400231-CCV4	1.000	1.023	µg/L	102%	90-110
1400231-CCB4		0.019	µg/L		
1400231-CCV5	1.000	0.980	µg/L	98%	90-110
1400231-CCB5		0.006	µg/L		
1400231-CCV6	1.000	1.053	µg/L	105%	90-110
1400231-CCB6		0.002	µg/L		
1400231-CCV7	1.000	1.018	µg/L	102%	90-110
1400231-CCB7		0.040	µg/L		

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Project ID: ARD-MV1302
PM: Lydia Greaves

Client PM: Dean Dickerson
Client PO: 22678 BSD

Instrument Calibration

Sequence: 1400234
Instrument: ICP-MS-3
Date: 03/20/2014
Analyte: Ag 107

Trace Metals by ICP-MS
Method: EPA 200.8

Lab ID	True Value	Result	Units	REC & Limits	
1400234-ICB1		0.00	µg/L		
1400234-CAL1	0.02000	0.02	µg/L	98%	
1400234-CAL2	0.04000	0.04	µg/L	102%	
1400234-CAL3	0.2000	0.20	µg/L	102%	
1400234-CAL4	0.4000	0.42	µg/L	104%	
1400234-CAL5	2.000	2.15	µg/L	108%	
1400234-CAL6	4.000	4.17	µg/L	104%	
1400234-CAL7	20.00	19.17	µg/L	96%	
1400234-CAL8	40.00	34.39	µg/L	86%	
1400234-ICB2		-0.0003	µg/L		
1400234-ICV1	1.000	0.86	µg/L	*86%*	90-110
1400234-ICB3		-0.002	µg/L		
1400234-IBL1		-0.002	µg/L		
1400234-IBL2		-0.002	µg/L		
1400234-IBL3		-0.002	µg/L		
1400234-IBL4		-0.002	µg/L		
1400234-SCV1	1.062	0.97	µg/L	91%	75-125
1400234-CCV1	0.4000	0.41	µg/L	101%	90-110
1400234-CCB1		-0.002	µg/L		
1400234-CCV2	0.4000	0.39	µg/L	97%	90-110
1400234-CCB2		-0.002	µg/L		
1400234-CCV3	0.4000	0.39	µg/L	99%	90-110
1400234-CCB3		-0.002	µg/L		
1400234-CCV4	0.4000	0.38	µg/L	95%	90-110
1400234-CCB4		-0.002	µg/L		
1400234-CCV5	0.4000	0.36	µg/L	91%	90-110
1400234-CCB5		-0.002	µg/L		
1400234-CCV6	0.4000	0.36	µg/L	90%	90-110
1400234-CCB6		-0.002	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: 1408020-01 **Report Matrix:** Octopus **Collected:** 01/13/2014
Sample: MAK101O **Sample Type:** Sample **Received:** 02/20/2014

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

Lab ID: 1408020-02 **Report Matrix:** Octopus **Collected:** 01/13/2014
Sample: MAK102O **Sample Type:** Sample **Received:** 02/20/2014

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

Lab ID: 1408020-03 **Report Matrix:** Octopus **Collected:** 01/13/2014
Sample: MAK103O **Sample Type:** Sample **Received:** 02/20/2014

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

Lab ID: 1408020-04 **Report Matrix:** Octopus **Collected:** 01/13/2014
Sample: MAK104O **Sample Type:** Sample **Received:** 02/20/2014

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

Lab ID: 1408020-05 **Report Matrix:** Octopus **Collected:** 01/13/2014
Sample: MAK105O **Sample Type:** Sample **Received:** 02/20/2014

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

Lab ID: 1408020-06 **Report Matrix:** Octopus **Collected:** 01/13/2014
Sample: MAK106O **Sample Type:** Sample **Received:** 02/20/2014

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

Lab ID: 1408020-07 **Report Matrix:** Octopus **Collected:** 01/13/2014
Sample: MAK107O **Sample Type:** Sample **Received:** 02/20/2014

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: 1408020-08 **Report Matrix:** Octopus **Collected:** 01/13/2014
Sample: MAK108O **Sample Type:** Sample **Received:** 02/20/2014

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

Lab ID: 1408020-09 **Report Matrix:** Sea Cucumber **Collected:** 01/13/2014
Sample: MAK102C **Sample Type:** Sample **Received:** 02/20/2014

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

Lab ID: 1408020-10 **Report Matrix:** Sea Cucumber **Collected:** 01/13/2014
Sample: MAK103C **Sample Type:** Sample **Received:** 02/20/2014

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

Lab ID: 1408020-11 **Report Matrix:** Sea Cucumber **Collected:** 01/13/2014
Sample: MAK104C **Sample Type:** Sample **Received:** 02/20/2014

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

Lab ID: 1408020-12 **Report Matrix:** Sea Cucumber **Collected:** 01/13/2014
Sample: MAK105C **Sample Type:** Sample **Received:** 02/20/2014

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

Lab ID: 1408020-13 **Report Matrix:** Sea Cucumber **Collected:** 01/13/2014
Sample: MAK106C **Sample Type:** Sample **Received:** 02/20/2014

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

Lab ID: 1408020-14 **Report Matrix:** Sea Cucumber **Collected:** 01/13/2014
Sample: MAK107C **Sample Type:** Sample **Received:** 02/20/2014

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: 1408020-15
Sample: MAK108C
Report Matrix: Sea Cucumber
Sample Type: Sample
Collected: 01/13/2014
Received: 02/20/2014

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

Lab ID: 1408020-16
Sample: MAK110C
Report Matrix: Sea Cucumber
Sample Type: Sample
Collected: 01/14/2014
Received: 02/20/2014

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

Lab ID: 1408020-17
Sample: MAK101L
Report Matrix: Limu (seaweed)
Sample Type: Sample
Collected: 01/13/2014
Received: 02/20/2014

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

Lab ID: 1408020-18
Sample: MAK102L
Report Matrix: Limu (seaweed)
Sample Type: Sample
Collected: 01/13/2014
Received: 02/20/2014

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

Lab ID: 1408020-19
Sample: MAK105L
Report Matrix: Limu (seaweed)
Sample Type: Sample
Collected: 01/13/2014
Received: 02/20/2014

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

Lab ID: 1408020-20
Sample: MAK106L
Report Matrix: Limu (seaweed)
Sample Type: Sample
Collected: 01/14/2014
Received: 02/20/2014

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

Lab ID: 1408020-21
Sample: MAK108, 109, 110, 113L
Report Matrix: Limu (seaweed)
Sample Type: Sample
Collected: 01/14/2014
Received: 02/20/2014

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: 1408020-22
Sample: MAK111L
Report Matrix: Limu (seaweed)
Sample Type: Sample
Collected: 01/14/2014
Received: 02/20/2014

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

Lab ID: 1408020-23
Sample: MAK112L
Report Matrix: Limu (seaweed)
Sample Type: Sample
Collected: 01/14/2014
Received: 02/20/2014

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

Lab ID: 1408020-24
Sample: MAK115L
Report Matrix: Limu (seaweed)
Sample Type: Sample
Collected: 01/14/2014
Received: 02/20/2014

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

Shipping Containers

Cooler

Received: February 20, 2014 9:25
Tracking No: 932518880807 via FedEx
Coolant Type: Dry Ice
Temperature: -29.0 °C

Description: Cooler
Damaged in transit? No
Returned to client? No

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

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ARDL, Inc

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

1408020

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
MAK101O	1/13/2014	10:02		X	1	X	x	x	x	Octopus	x	
MAK102O	1/13/2014	10:30		X	1	X	x	x	x	Octopus	x	
MAK103O	1/13/2014	11:02		X	1	X	x	x	x	Octopus	x	
MAK104O	1/13/2014	11:30		X	1	X	x	x	x	Octopus	x	
MAK105O	1/13/2014	11:58		X	1	X	x	x	x	Octopus	x	
MAK106O	1/13/2014	12:20		X	1	X	x	x	x	Octopus	x	
MAK107O	1/13/2014	13:05		X	1	X	x	x	x	Octopus	x	
MAK108O	1/13/2014	14:20		X	1	X	x	x	x	Octopus	x	
MAK102C	1/13/2014	10:02		X	1	X	x	x	x	Sea Cucumber	x	
MAK103C	1/13/2014	10:22		X	1	X	x	x	x	Sea Cucumber	x	
MAK104C	1/13/2014	11:00		X	1	X	x	x	x	Sea Cucumber	x	
MAK105C	1/13/2014	11:30		X	1	X	x	x	x	Sea Cucumber	x	
MAK106C	1/13/2014	12:05		X	1	X	x	x	x	Sea Cucumber	x	
MAK107C	1/13/2014	12:40		X	1	X	x	x	x	Sea Cucumber	x	
MAK108C	1/13/2014	13:50		X	1	X	x	x	x	Sea Cucumber	x	
MAK110C	1/14/2014	9:55		X	1	X	x	x	x	Sea Cucumber	x	
MAK101L	1/13/2014	9:10		X	1	X	x	x	x	Limu (seaweed)	x	
MAK102L	1/13/2014	10:02		X	1	X	x	x	x	Limu (seaweed)	x	
MAK105L	1/13/2014	15:20		X	1	X	x	x	x	Limu (seaweed)	x	
MAK106L	1/14/2014	8:45		X	1	X	x	x	x	Limu (seaweed)	x	
MAK108,109,110,113L	1/14/2014		X		1	X	x	x	x	Limu (seaweed)	x	
MAK111L	1/14/2014	12:05		X	1	X	x	x	x	Limu (seaweed)	x	
MAK112L	1/14/2014	12:50		X	1	X	x	x	x	Limu (seaweed)	x	
MAK115L	1/14/2014	14:00		X	1	X	x	x	x	Limu (seaweed)	x	

Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)
[signature]	2/19/14	1600	
Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)
Received for Laboratory by: (Signature) [signature]	Date 2/20/14	Time 0925	Shipping Ticket No.

REMARKS / SPECIAL INSTRUCTIONS:

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.

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SEATTLE WA 98107
(206) 632-6206
DEPT: LAB

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DG SPECIALIST
EMP. # 112101
111003 M-1558 1/08 RD

TRK# 0201 9325 1468 8007

NC BFIA

Part # 156148-434 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

1400175

Brooks Rand Labs

Instrument: HGAAS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400175-IBL1	1400175	QC	1		-			
1400175-IBL2	1400175	QC	2		-			
1400175-IBL3	1400175	QC	3		-			
1400175-CAL1	1400175	QC	4	1410027	-			
1400175-CAL2	1400175	QC	5	1410028	-			
1400175-CAL3	1400175	QC	6	1410029	-			
1400175-CAL4	1400175	QC	7	1410030	-			
1400175-CAL5	1400175	QC	8	1410031	-			
1400175-ICV1	1400175	QC	9	1410008	-			
1400175-CCV1	1400175	QC	10	1410007	-			
1400175-CCB1	1400175	QC	11		-			
B140301-BLK1	B140301	QC	12		-			
B140301-BLK2	B140301	QC	13		-			
B140301-BLK3	B140301	QC	14		-			
B140301-BLK4	B140301	QC	15		-			
B140301-BS1	B140301	QC	16		-			
B140301-SRM1	B140301	QC	17		-			
B140301-SRM2	B140301	QC	18		-			
1408020-01	B140301	As(Inorg)-B-HClExt-HGAAS	19			ARD-MV1302	3/14/2014	
1408020-01	B140301	s(Inorg)-B-HClExt-HGAAS-Foo	20			ARD-MV1302	1/1/1980	BatchQC
1408020-02	B140301	As(Inorg)-B-HClExt-HGAAS	21			ARD-MV1302	3/14/2014	
B140301-DUP1	B140301	QC	22		1408020-01			
B140301-MS1	B140301	QC	23		1408020-01			
B140301-MSD1	B140301	QC	24		1408020-01			
1408020-03	B140301	As(Inorg)-B-HClExt-HGAAS	25			ARD-MV1302	3/14/2014	
1408020-04	B140301	As(Inorg)-B-HClExt-HGAAS	26			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400175

Brooks Rand Labs

Instrument: HGAAS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-05	B140301	As(Inorg)-B-HClExt-HGAAS	27			ARD-MV1302	3/14/2014	
1408020-06	B140301	As(Inorg)-B-HClExt-HGAAS	28			ARD-MV1302	3/14/2014	
1408020-07	B140301	As(Inorg)-B-HClExt-HGAAS	29			ARD-MV1302	3/14/2014	
1408020-08	B140301	As(Inorg)-B-HClExt-HGAAS	30			ARD-MV1302	3/14/2014	
1408020-09	B140301	As(Inorg)-B-HClExt-HGAAS	31			ARD-MV1302	3/14/2014	
1408020-10	B140301	As(Inorg)-B-HClExt-HGAAS	32			ARD-MV1302	3/14/2014	
1408020-10	B140301	s(Inorg)-B-HClExt-HGAAS-Foo	33			ARD-MV1302	1/1/1980	BatchQC
B140301-DUP2	B140301	QC	34		1408020-10			
B140301-MS2	B140301	QC	35		1408020-10			
B140301-MSD2	B140301	QC	36		1408020-10			
1400175-CCV2	1400175	QC	37	1410007	-			
1400175-CCB2	1400175	QC	38		-			
1408020-11	B140301	As(Inorg)-B-HClExt-HGAAS	39			ARD-MV1302	3/14/2014	
1408020-12	B140301	As(Inorg)-B-HClExt-HGAAS	40			ARD-MV1302	3/14/2014	
1408020-13	B140301	As(Inorg)-B-HClExt-HGAAS	41			ARD-MV1302	3/14/2014	
1408020-14	B140301	As(Inorg)-B-HClExt-HGAAS	42			ARD-MV1302	3/14/2014	
1408020-15	B140301	As(Inorg)-B-HClExt-HGAAS	43			ARD-MV1302	3/14/2014	
1408020-16	B140301	As(Inorg)-B-HClExt-HGAAS	44			ARD-MV1302	3/14/2014	
1408020-17	B140301	As(Inorg)-B-HClExt-HGAAS	45			ARD-MV1302	3/14/2014	
1408020-18	B140301	As(Inorg)-B-HClExt-HGAAS	46			ARD-MV1302	3/14/2014	
1408020-19	B140301	As(Inorg)-B-HClExt-HGAAS	47			ARD-MV1302	3/14/2014	
1408020-20	B140301	As(Inorg)-B-HClExt-HGAAS	48			ARD-MV1302	3/14/2014	
1408020-20	B140301	s(Inorg)-B-HClExt-HGAAS-Foo	49			ARD-MV1302	1/1/1980	BatchQC
B140301-DUP3	B140301	QC	50		1408020-20			
B140301-MS3	B140301	QC	51		1408020-20			
B140301-MSD3	B140301	QC	52		1408020-20			

ANALYSIS SEQUENCE

1400175

Brooks Rand Labs

Instrument: HGAAS-2

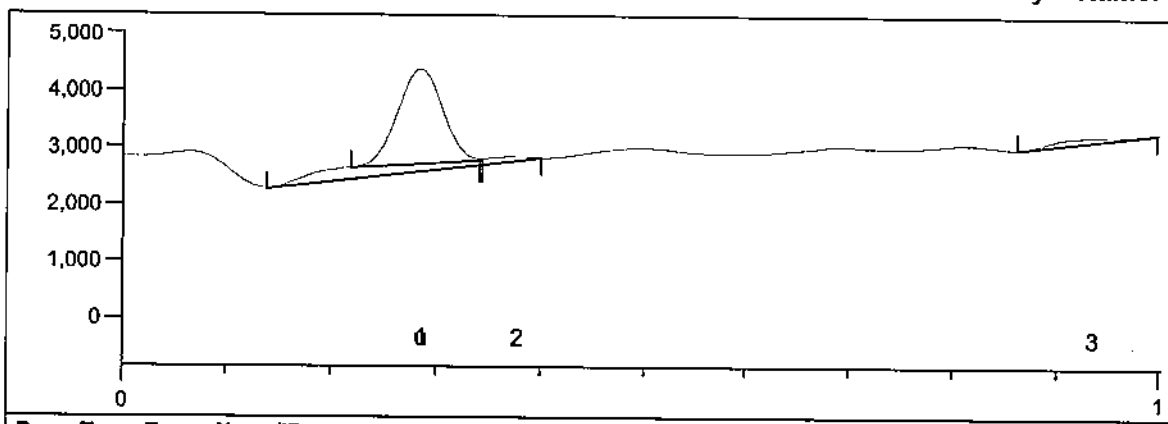
Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400175-CCV3	1400175	QC	53	1410007	-			
1400175-CCB3	1400175	QC	54		-			
1408020-21	B140301	As(Inorg)-B-HClExt-HGAAS	55			ARD-MV1302	3/14/2014	
1408020-22	B140301	As(Inorg)-B-HClExt-HGAAS	56			ARD-MV1302	3/14/2014	
1408020-23	B140301	As(Inorg)-B-HClExt-HGAAS	57			ARD-MV1302	3/14/2014	
1408020-24	B140301	As(Inorg)-B-HClExt-HGAAS	58			ARD-MV1302	3/14/2014	
1408032-01	B140301	As(Inorg)-B-HClExt-HGAAS	59			KRI-BE1201	2/28/2014	
1409004-01	B140301	As(Inorg)-B-HClExt-HGAAS	60			CFI-WD1201	3/6/2014	
1409005-01	B140301	s(Inorg)-B-HClExt-HGAAS-Foo	61			BFF-BR1201	3/6/2014	
1409011-01	B140301	As(Inorg)-B-HClExt-HGAAS	62			CFI-WD1201	3/4/2014	
1409012-01	B140301	As(Inorg)-B-HClExt-HGAAS	63			CFI-WD1201	3/4/2014	
1409034-01	B140301	s(Inorg)-B-HClExt-HGAAS-Foo	64			BFF-BR1201	3/4/2014	
1400175-CCV4	1400175	QC	65	1410007	-			
1400175-CCB4	1400175	QC	66		-			

Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

Date Analyzed: 3/4/14
Analyst Name: IRJ

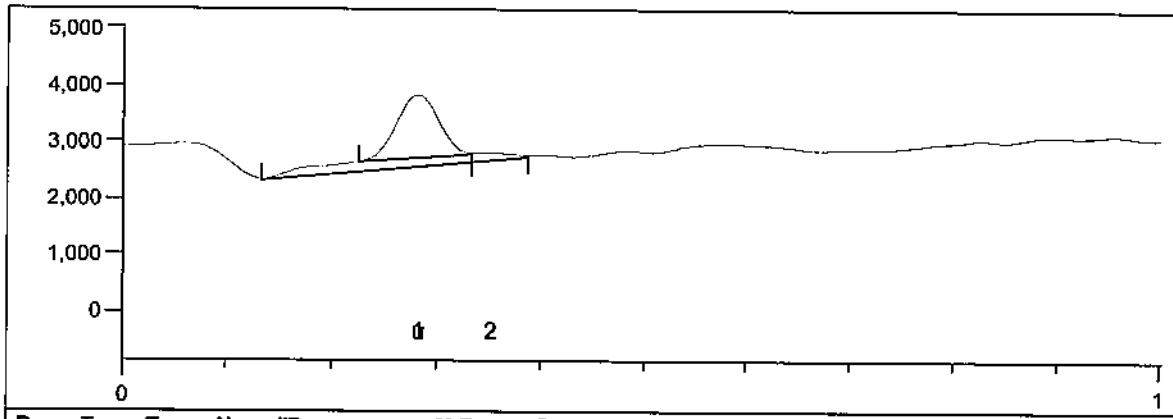


Date: 3/4/14
Time: 10:27 AM

Peak	rt	Area
1	0.28	66,463
2	0.37	2,435
3	0.93	3,400
u	0.28	48,273

CMC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1		CB	SEQ-IBL1		u	48,273	0.242		0.242	< 0.4	accept
Notes											

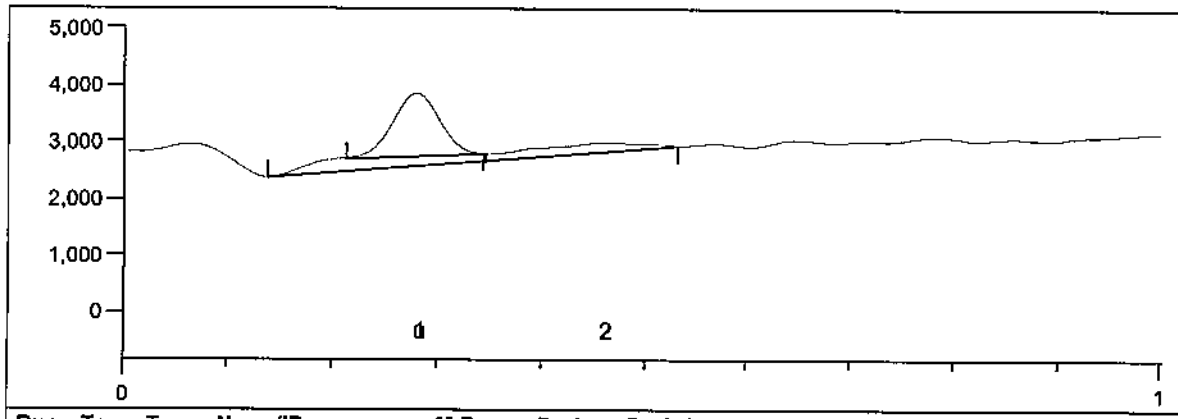


Date: 3/4/14
Time: 10:31 AM

Peak	rt	Area
1	0.28	46,476
2	0.35	2,222
u	0.28	30,523

CMC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2		CB	SEQ-IBL2		u	30,523	0.153		0.153	< 0.4	accept
Notes											



Date: 3/4/14
Time: 10:35 AM

Peak	rt	Area
1	0.28	55,197
2	0.46	13,758
u	0.28	33,948

CMC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3		CB	SEQ-IBL3		u	33,948	0.170		0.170	< 0.4	accept
Notes											

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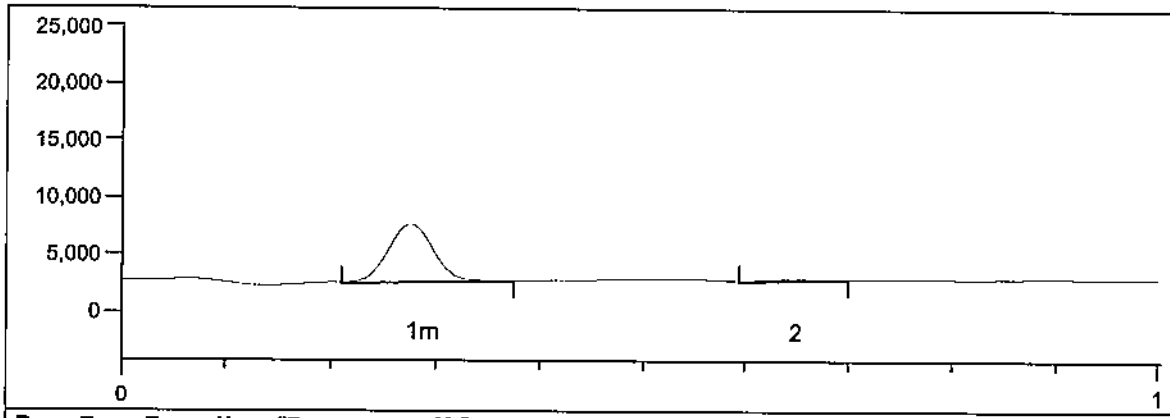
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

Date Analyzed: 3/4/14
Analyst Name: IRJ

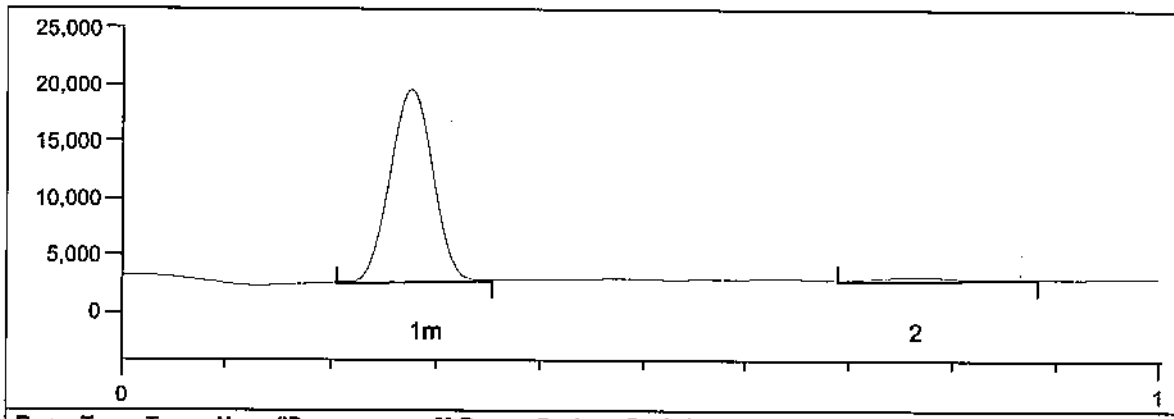


Date: 3/4/14
Time: 10:39 AM

Peak	rt	Area
1m	0.27	148,980
2	0.64	5,323

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4		STD	SEQ-CAL1		1m	148,980	0.558		112	80-120	accept
Notes											

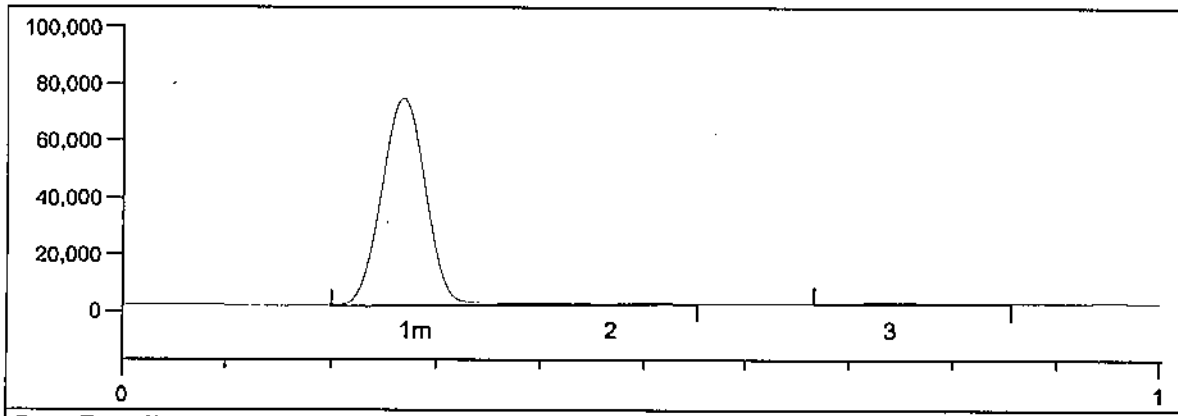


Date: 3/4/14
Time: 10:44 AM

Peak	rt	Area
1m	0.27	479,963
2	0.76	15,349

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5		STD	SEQ-CAL2		1m	479,963	2.22		111	80-120	accept
Notes											



Date: 3/4/14
Time: 10:48 AM

Peak	rt	Area
1m	0.26	2,117,176
2	0.46	28,210
3	0.73	21,294

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6		STD	SEQ-CAL3		1m	2,117,176	10.4		104	80-120	accept
Notes											

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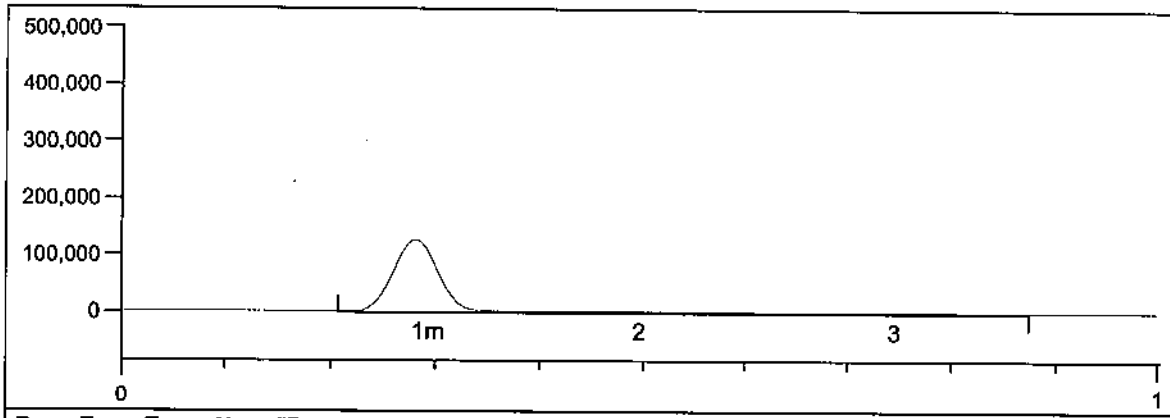
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

Date Analyzed: 3/4/14
Analyst Name: IRJ

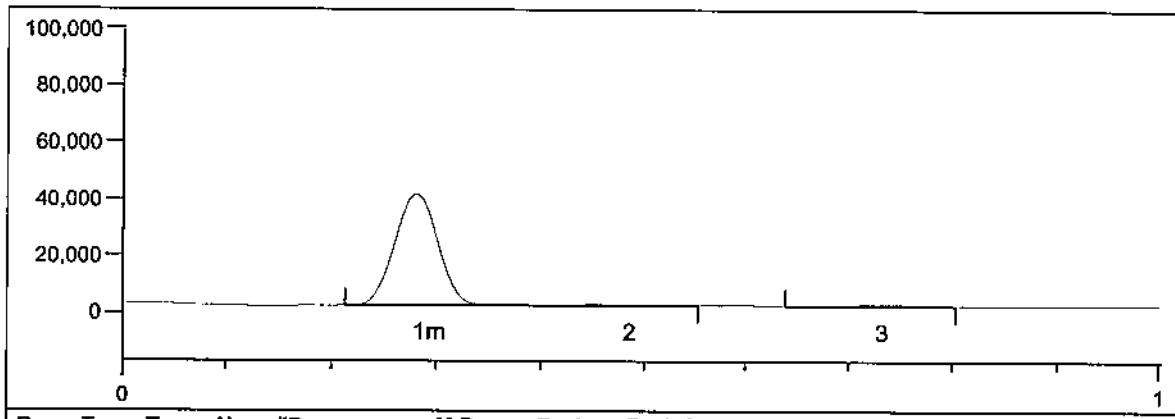


Date: 3/4/14
Time: 10:52 AM

Peak	rt	Area
1m	0.28	3,773,282
2	0.49	105,717
3	0.74	57,705

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7		STD	SEQ-CAL4		1m	3,773,282	18.7		93.6	80-120	accept
Notes											

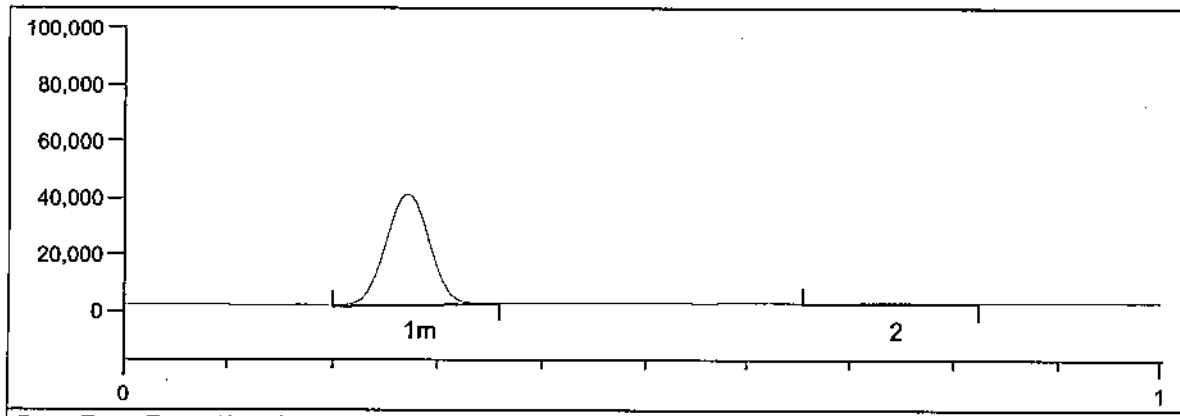


Date: 3/4/14
Time: 11:01 AM

Peak	rt	Area
1m	0.28	1,131,891
2	0.48	14,380
3	0.73	17,103

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9		OPR	SEQ-ICV		1m	1,131,891	5.48		110.	80-120	accept
Notes											



Date: 3/4/14
Time: 11:05 AM

Peak	rt	Area
1m	0.27	1,111,707
2	0.74	17,951

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10		OPR	SEQ-CCV		1m	1,111,707	5.38		108	80-120	accept
Notes											

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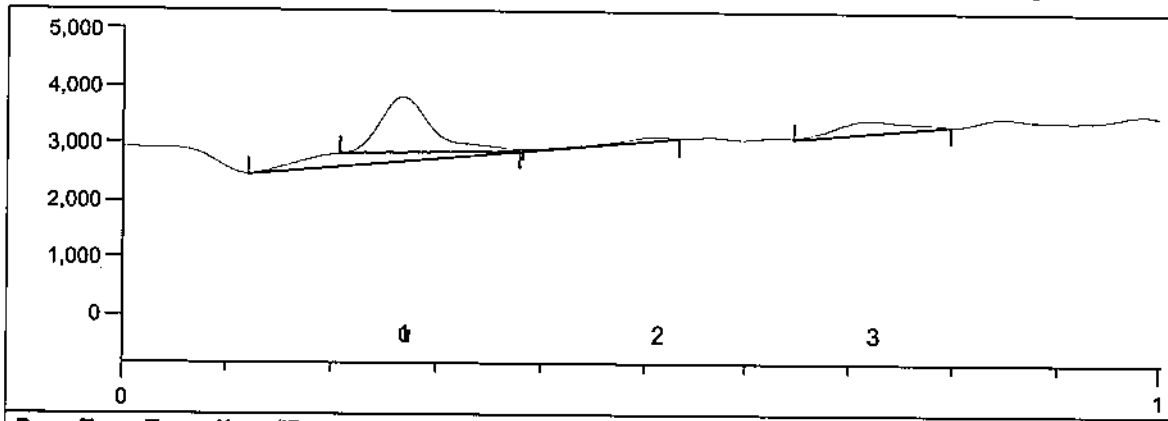
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

Date Analyzed: 3/4/14
Analyst Name: IRJ

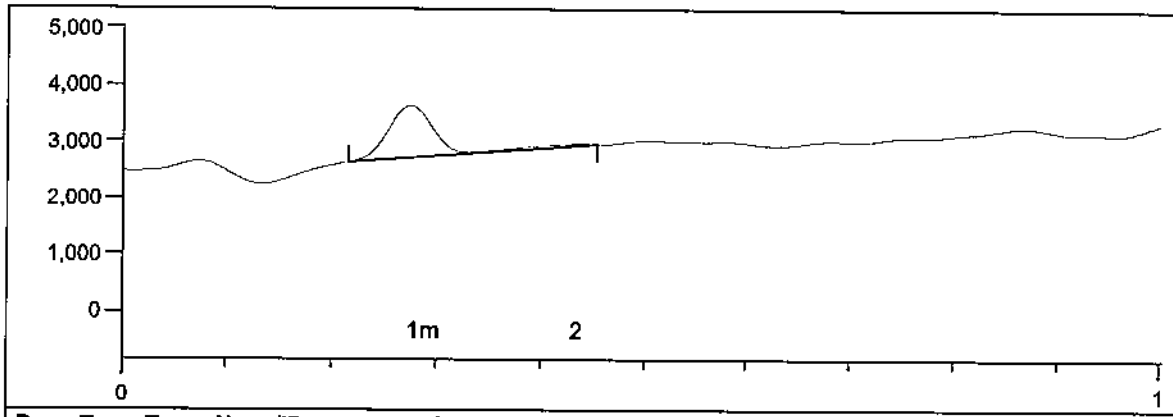


Date: 3/4/14
Time: 11:10 AM

Peak	rt	Area
1	0.26	52,411
2	0.51	2,640
3	0.72	9,736
u	0.26	32,779

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11		CCB	SEQ-CCB		u	32,779	0.164		0.164	< 0.4	accept
Notes											

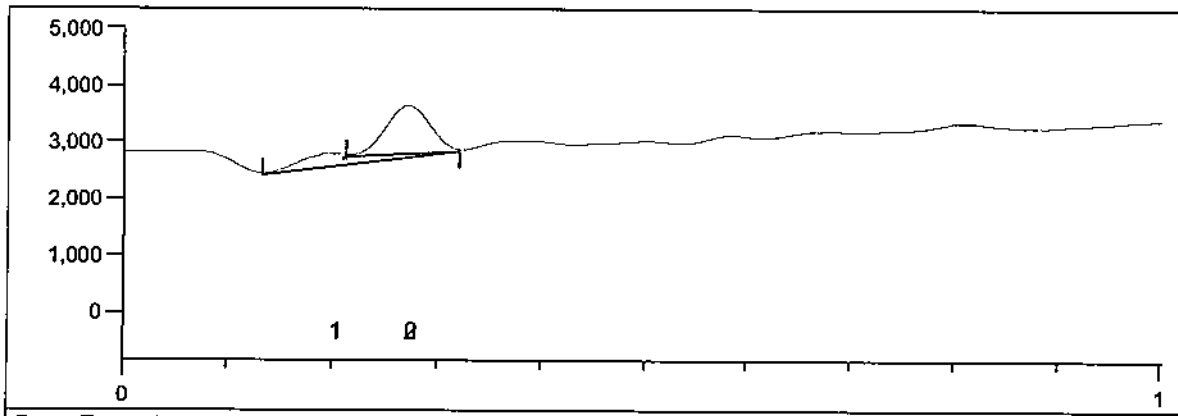


Date: 3/4/14
Time: 11:23 AM

Peak	rt	Area
1m	0.27	26,256
2	0.43	2,688

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12		S	B140301-BLK1		1m	26,256	-0.0567	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 11:27 AM

Peak	rt	Area
1	0.20	6,032
2	0.27	28,420
u	0.27	23,227

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
13		S	B140301-BLK2		u	23,227	-0.0719	0.00		< HS	accept
Notes											

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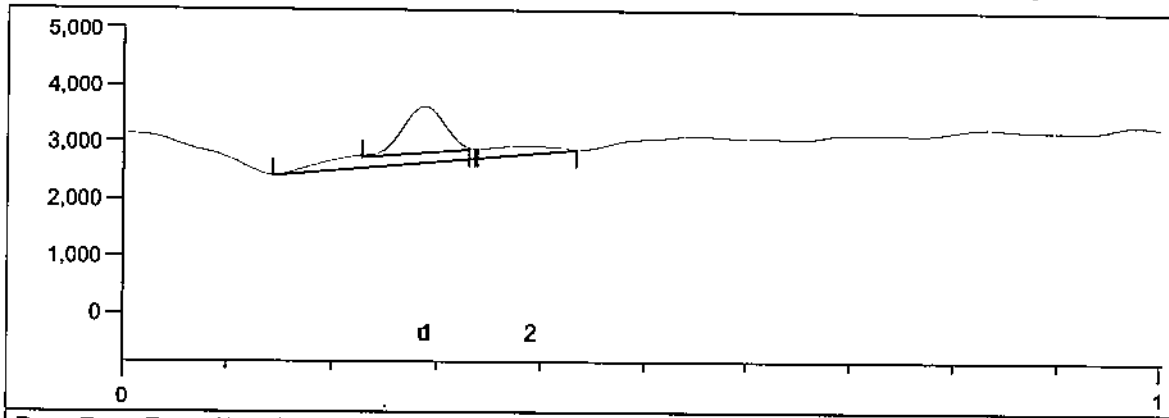
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

Date Analyzed: 3/4/14
Analyst Name: IRJ

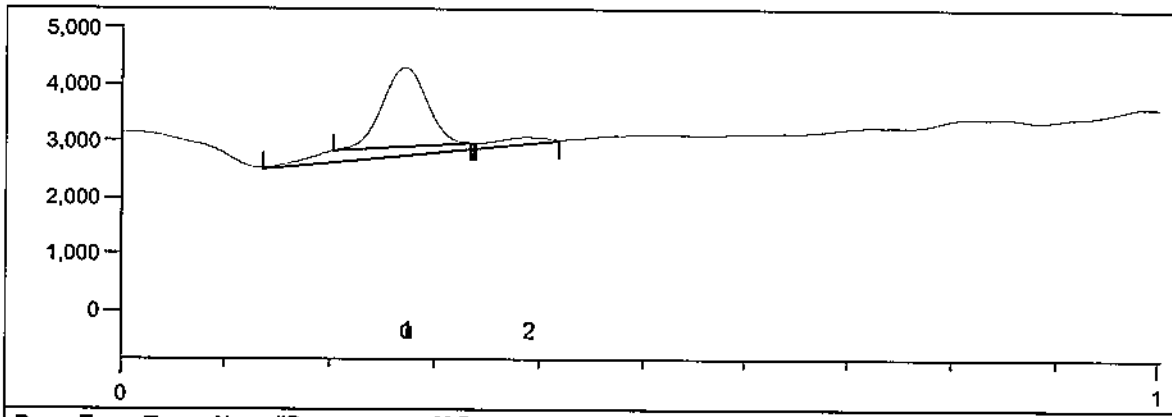


Date: 3/4/14
Time: 11:31 AM

Peak	rt	Area
1	0.28	40,162
2	0.38	6,298
u	0.28	21,591

CMC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
14		S	B140301-BLK3		u	21,591	-0.0801	0.00		< HS	accept
Notes											

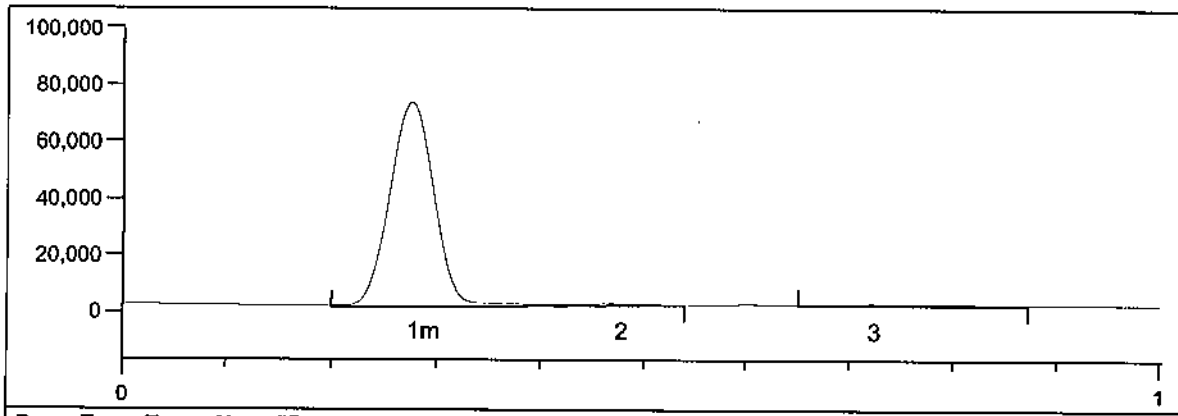


Date: 3/4/14
Time: 11:35 AM

Peak	rt	Area
1	0.27	55,378
2	0.38	3,620
u	0.27	40,886

CMC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
15		S	B140301-BLK4		u	40,886	0.0166	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 11:39 AM

Peak	rt	Area
1m	0.27	2,079,729
2	0.47	26,960
3	0.72	31,174

CMC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16		S	B140301-BS1		1m	2,079,729	10.2	0.00		< HS	accept
Notes											

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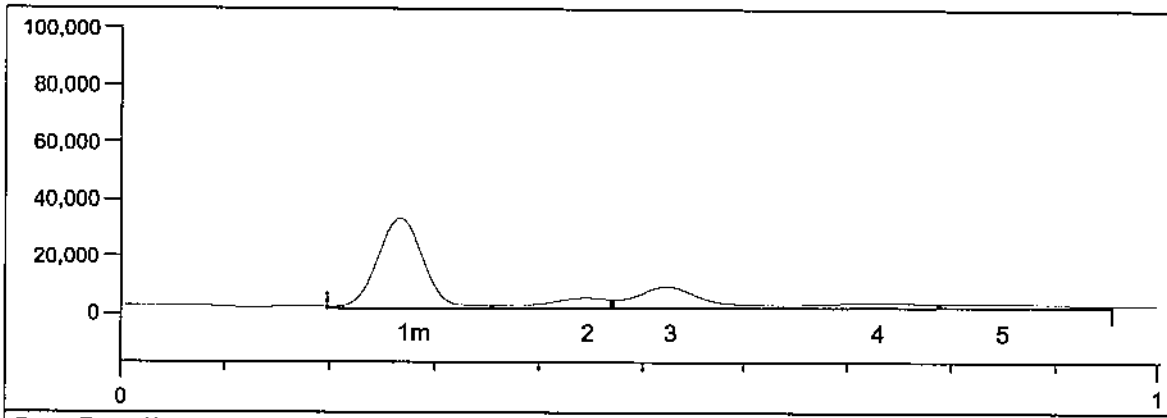
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

Date Analyzed: 3/4/14
Analyst Name: IRJ

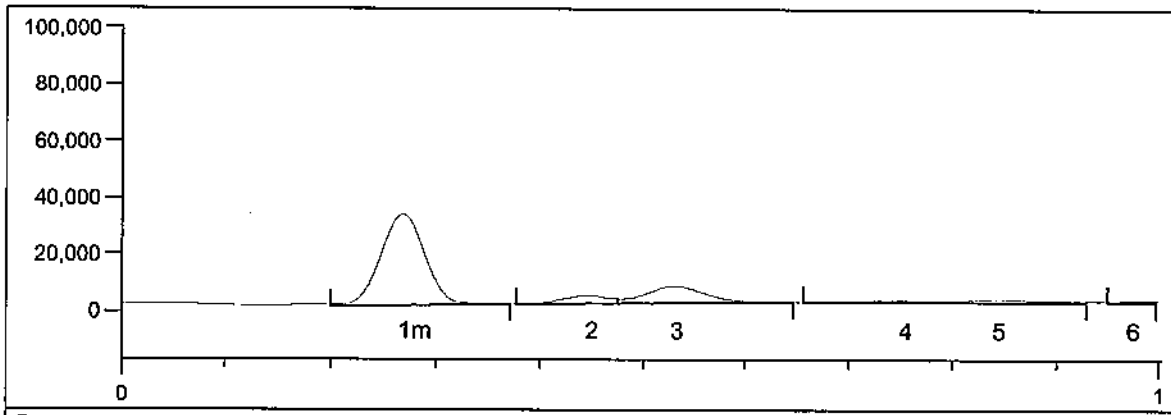


Date: 3/4/14
Time: 11:42 AM

Peak	rt	Area
1m	0.26	904,142
2	0.44	102,230
3	0.52	283,181
4	0.72	74,860
5	0.84	47,512

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17		S	B140301-SRM1		1m	904,142	4.34	0.00		< HS	accept
Notes											

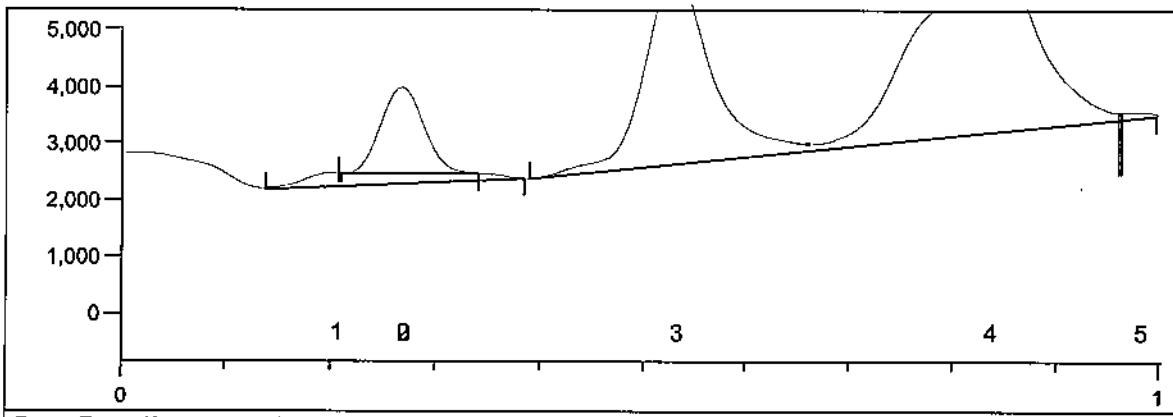


Date: 3/4/14
Time: 11:46 AM

Peak	rt	Area
1m	0.26	908,934
2	0.44	89,592
3	0.53	245,912
4	0.75	32,146
5	0.84	36,680
6	0.97	241

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18		S	B140301-SRM2		1m	908,934	4.36	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 12:46 PM

Peak	rt	Area
1	0.20	5,103
2	0.26	58,443
3	0.53	155,796
4	0.83	264,570
5	0.98	1,672
u	0.26	43,612

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
19		S	1408020-01		u	43,612	0.0302	0.00		< HS	accept
Notes											

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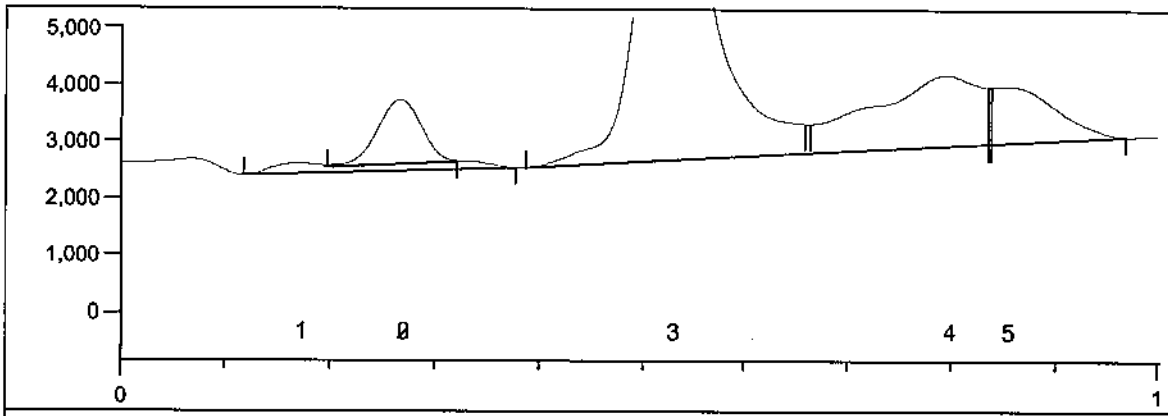
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

Date Analyzed: 3/4/14
Analyst Name: IRJ

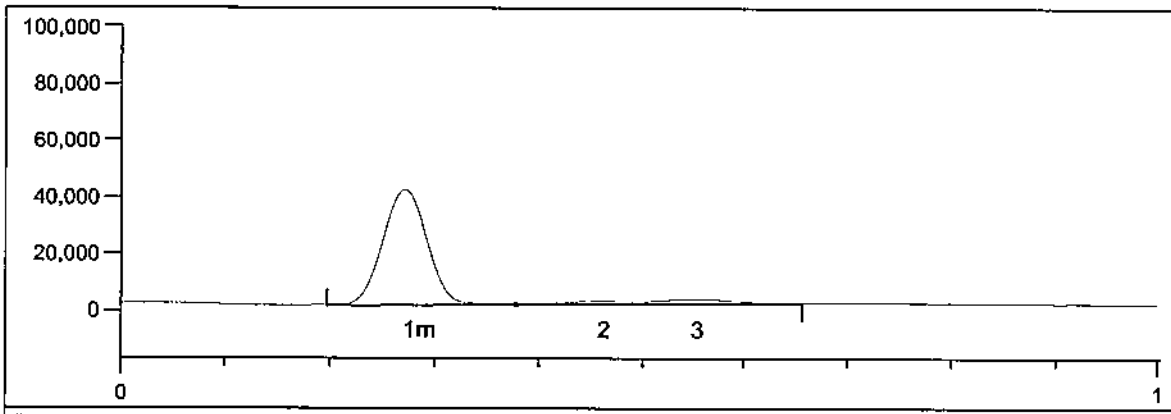


Date: 3/4/14
Time: 1:06 PM

Peak	rt	Area
1	0.16	5,825
2	0.26	44,047
3	0.52	351,004
4	0.79	95,445
5	0.85	40,390
u	0.26	31,459

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24		S	1408020-03		u	31,459	-0.0307	0.00		< HS	accept
Notes											

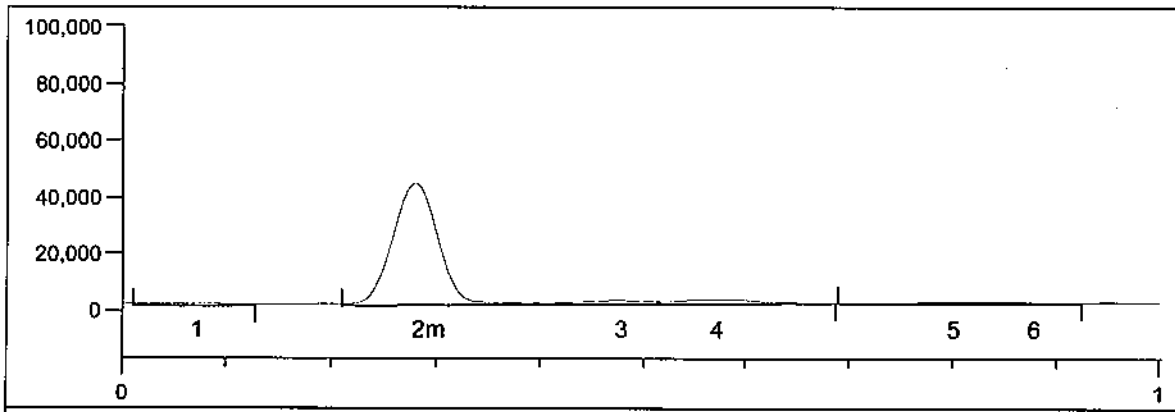


Date: 3/4/14
Time: 1:34 PM

Peak	rt	Area
1m	0.27	1,186,528
2	0.46	41,111
3	0.55	86,598

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31		S	1408020-10		1m	1,186,528	5.76	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 1:37 PM

Peak	rt	Area
1	0.06	15,353
2m	0.28	1,255,520
3	0.47	53,213
4	0.57	82,143
5	0.80	18,591
6	0.87	7,915

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
32		S	B140301-DUP2		2m	1,255,520	6.10	0.00		< HS	accept
Notes											

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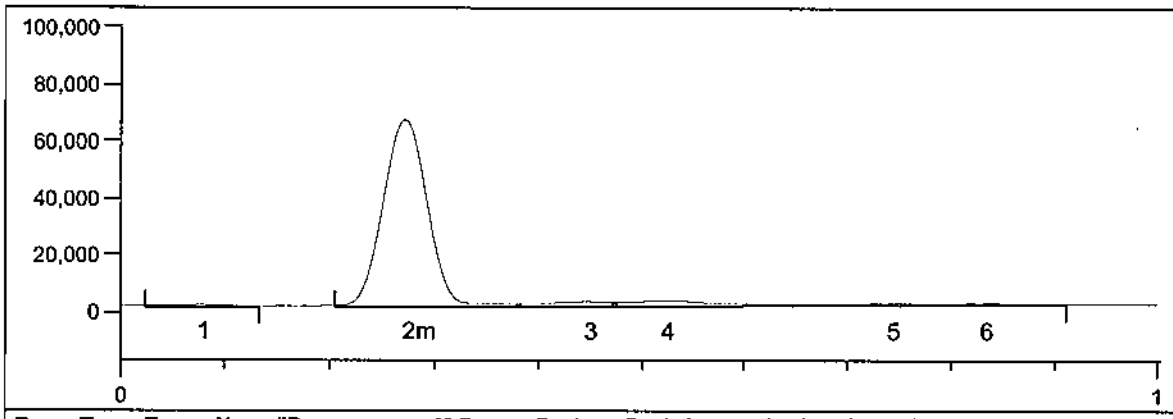
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

Date Analyzed: 3/4/14
Analyst Name: IRJ

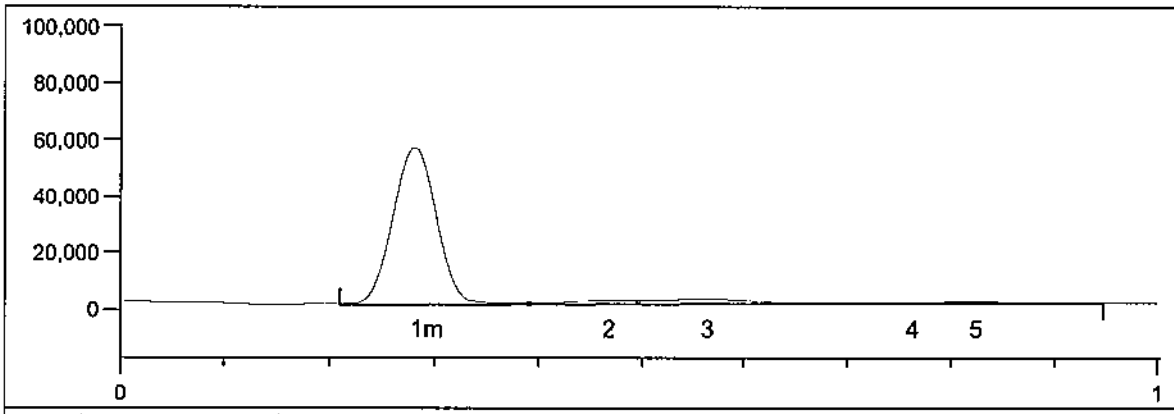


Date: 3/4/14
Time: 1:41 PM

Peak	rt	Area
1	0.07	11,469
2m	0.27	1,890,075
3	0.44	47,109
4	0.52	89,491
5	0.74	27,666
6	0.83	20,005

CuC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
33		S	B140301-MS2		2m	1,890,075	9.28	0.00		< HS	accept
Notes											

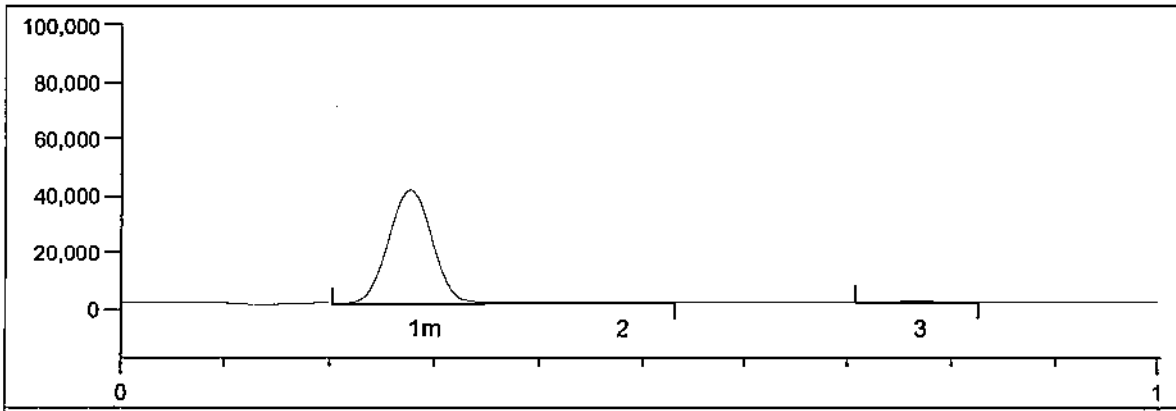


Date: 3/4/14
Time: 1:46 PM

Peak	rt	Area
1m	0.28	1,583,742
2	0.46	42,682
3	0.56	102,120
4	0.76	16,500
5	0.82	36,478

CuC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
34		S	B140301-MSD2		1m	1,583,742	7.75	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 1:49 PM

Peak	rt	Area
1m	0.27	1,144,909
2	0.48	9,560
3	0.76	12,081

CuC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
35		OPR	SEQ-CCV		1m	1,144,909	5.55		111	80-120	accept
Notes											

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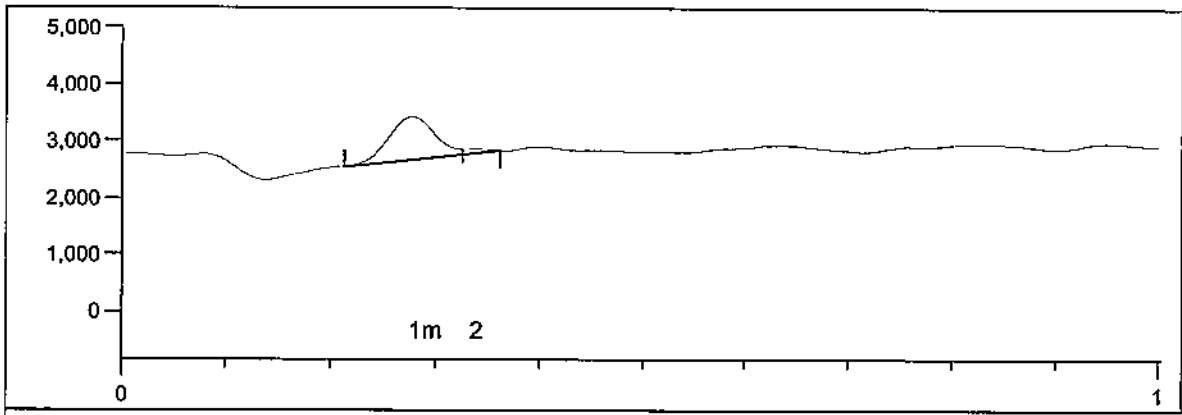
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

Date Analyzed: 3/4/14
Analyst Name: IRJ

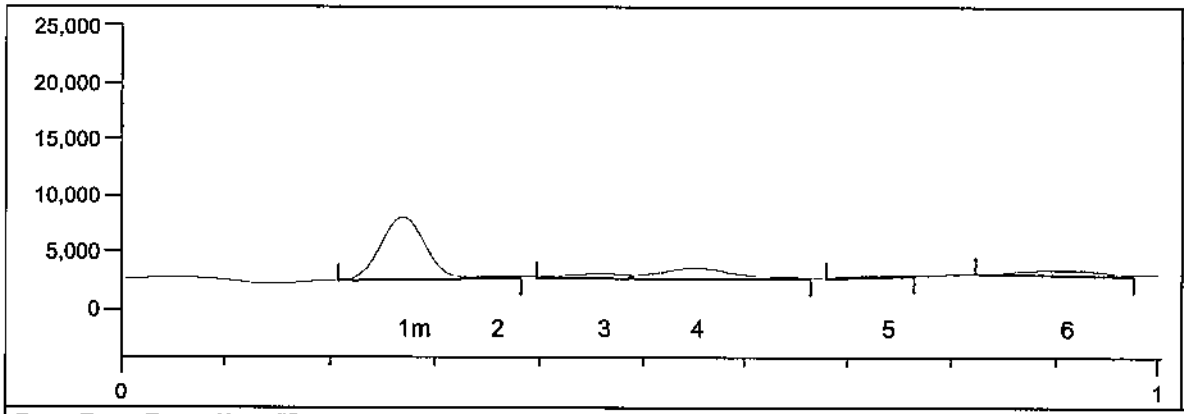


Date: 3/4/14
Time: 1:53 PM

Peak	rt	Area
1m	0.27	22,757
2	0.33	1,138

CMC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
36		CCB	SEQ-CCB		1m	22,757	0.114		0.114	< 0.4	accept
Notes											

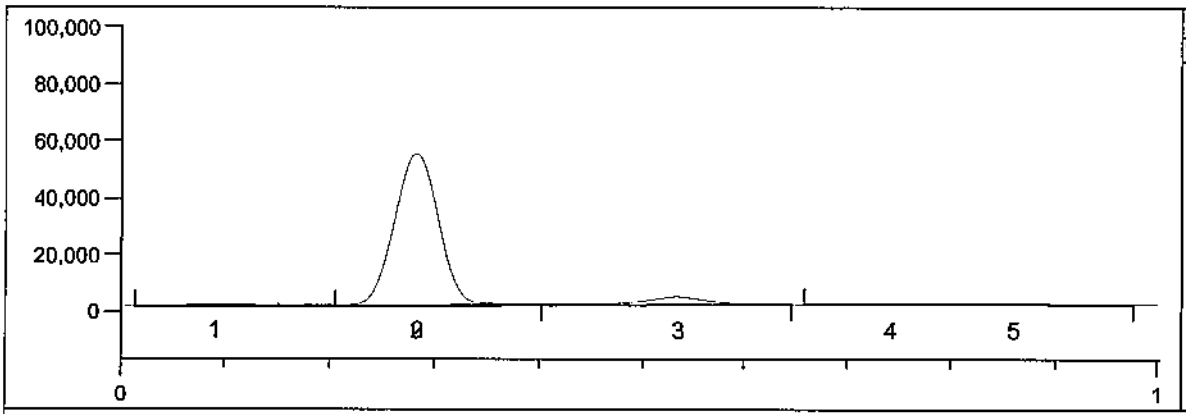


Date: 3/4/14
Time: 2:27 PM

Peak	rt	Area
1m	0.26	153,529
2	0.35	1,352
3	0.46	8,534
4	0.55	33,225
5	0.73	3,273
6	0.91	17,153

CMC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
38		S	1408020-12		1m	153,529	0.581	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 2:32 PM

Peak	rt	Area
1	0.08	25,773
2	0.28	1,598,248
3	0.53	146,890
4	0.74	42,662
5	0.85	19,042
u	0.28	1,547,595

CMC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
39		S	1408020-13		u	1,547,595	7.56	0.00		< HS	accept
Notes											

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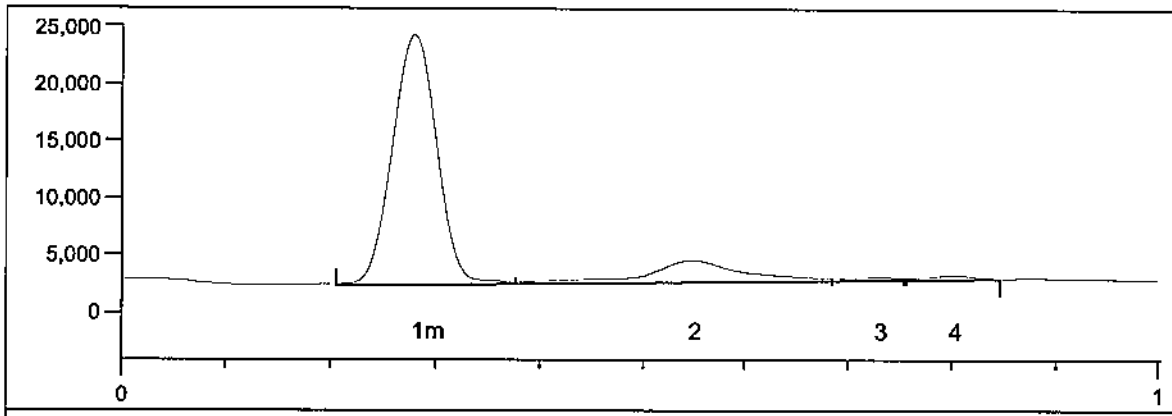
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

Date Analyzed: 3/4/14
Analyst Name: IRJ

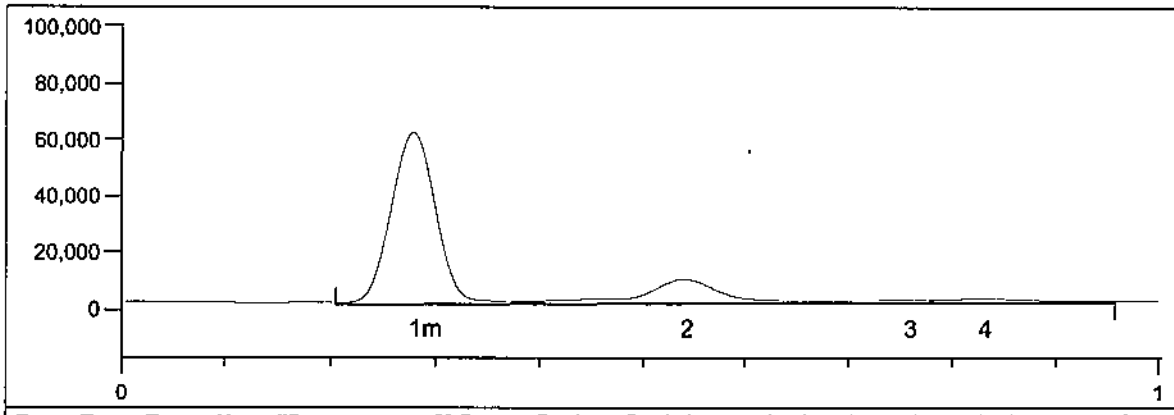


Date: 3/4/14
Time: 2:47 PM

Peak	rt	Area
1m	0.28	639,262
2	0.54	110,067
3	0.73	7,045
4	0.80	9,573

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
43		S	1408020-17		1m	639,262	3.01	0.00		< HS	accept
Notes											

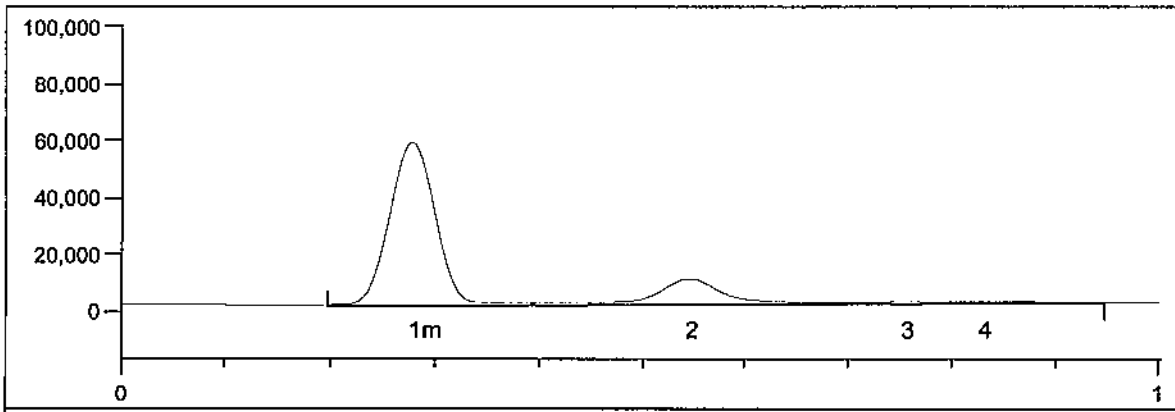


Date: 3/4/14
Time: 2:51 PM

Peak	rt	Area
1m	0.28	1,754,245
2	0.54	379,232
3	0.75	34,338
4	0.83	48,842

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
44		S	1408020-18		1m	1,754,245	8.60	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 2:55 PM

Peak	rt	Area
1m	0.28	1,721,367
2	0.54	401,503
3	0.75	23,063
4	0.83	37,343

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
45		S	1408020-19		1m	1,721,367	8.43	0.00		< HS	accept
Notes											

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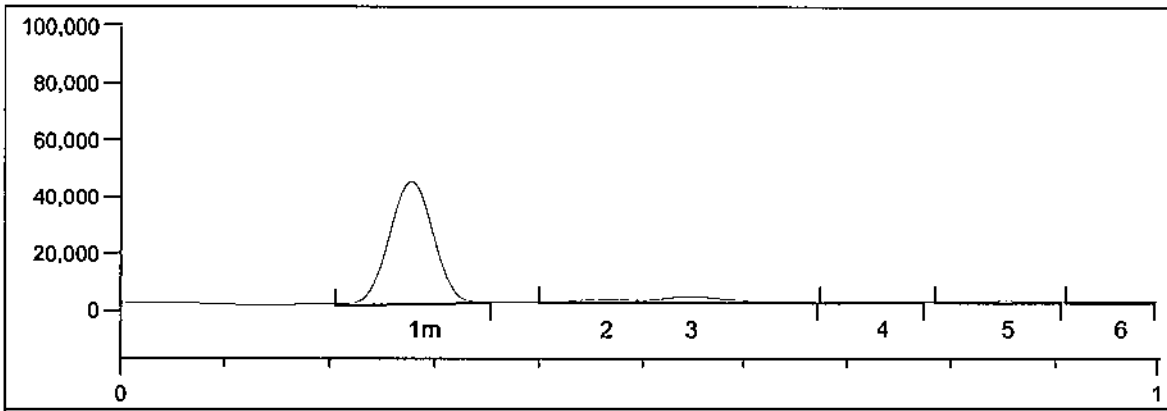
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

Date Analyzed: 3/4/14
Analyst Name: IRJ

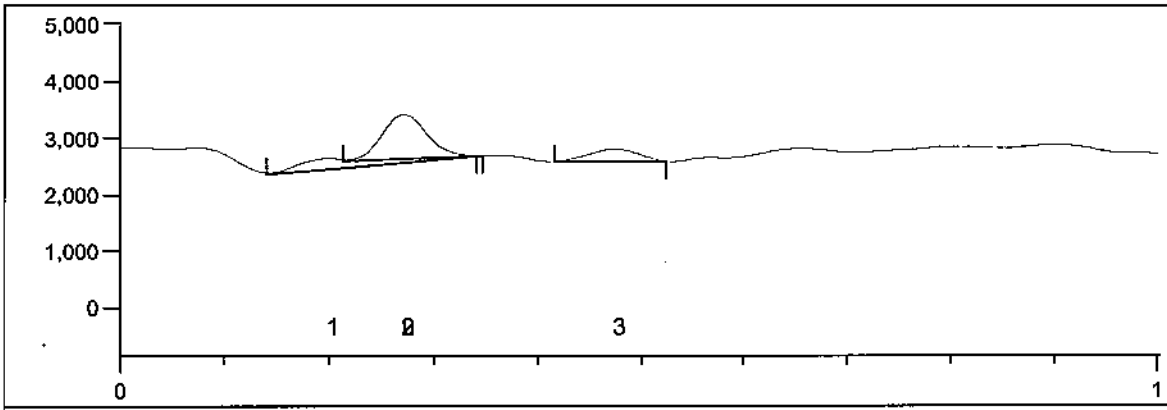


Date: 3/4/14
Time: 3:07 PM

Peak	rt	Area
1m	0.28	1,237,234
2	0.46	40,125
3	0.54	95,827
4	0.73	7,401
5	0.85	14,419
6	0.96	4,832

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
48		S	B140301-MS3		1m	1,237,234	6.01	0.00		< HS	accept
Notes											

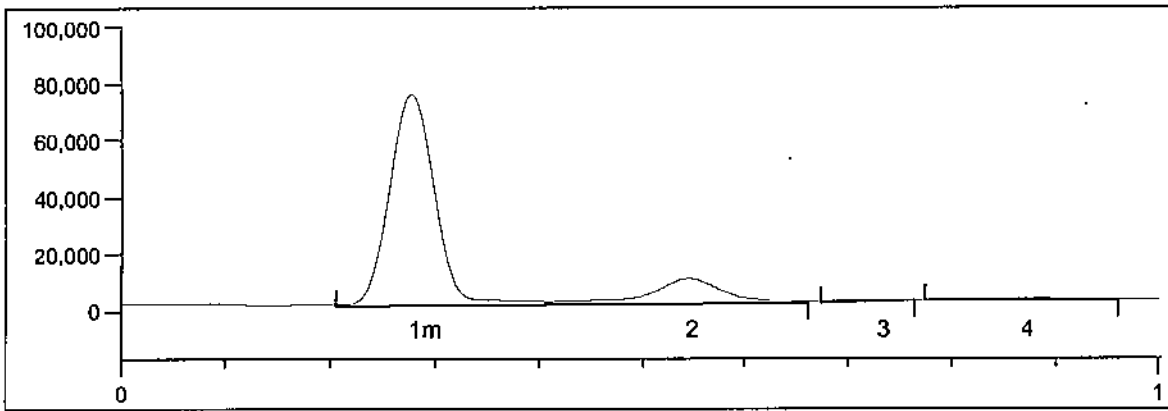


Date: 3/4/14
Time: 3:19 PM

Peak	rt	Area
1	0.20	4,785
2	0.27	27,935
3	0.47	6,863
u	0.27	22,805

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
51		CCB	SEQ-CCB		u	22,805	0.114		0.114	< 0.4	accept
Notes											



Date: 3/4/14
Time: 3:43 PM

Peak	rt	Area
1m	0.27	2,184,258
2	0.54	370,804
3	0.73	4,745
4	0.87	26,318

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
54		S	1408020-23		1m	2,184,258	10.8	0.00		< HS	accept
Notes											

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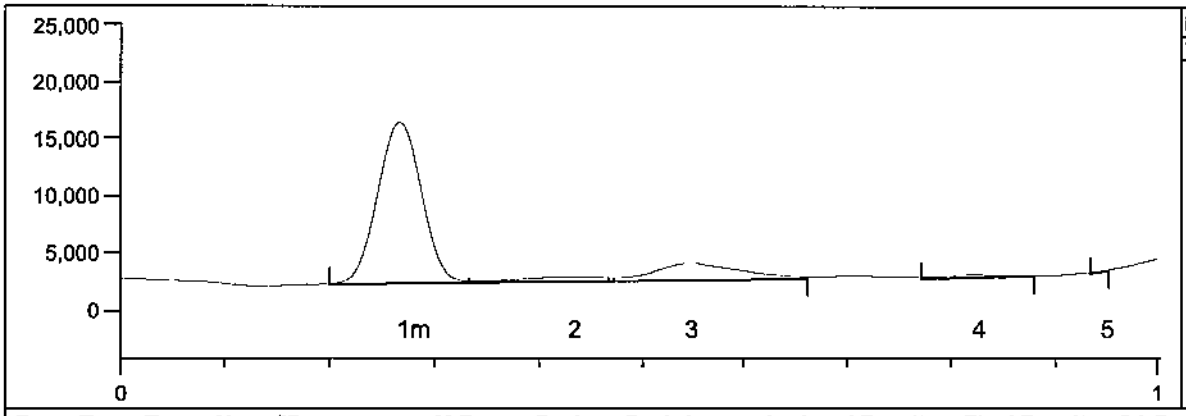
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

Date Analyzed: 3/4/14
Analyst Name: IRJ

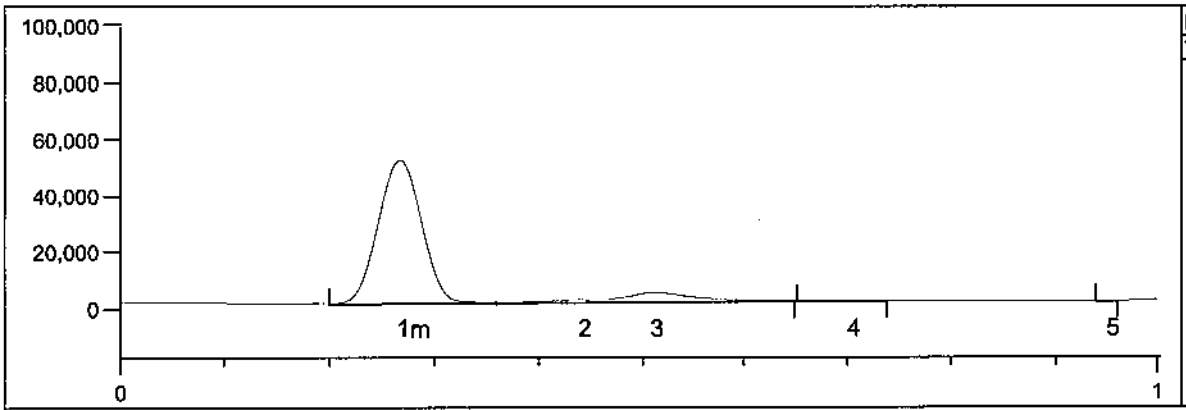


Date: 3/4/14
Time: 3:47 PM

Peak	rt	Area
1m	0.26	403,797
2	0.43	13,907
3	0.54	70,088
4	0.82	5,156
5	0.94	-111

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
55		S	1408020-24		1m	403,797	1.83	0.00		< HS	accept
Notes											

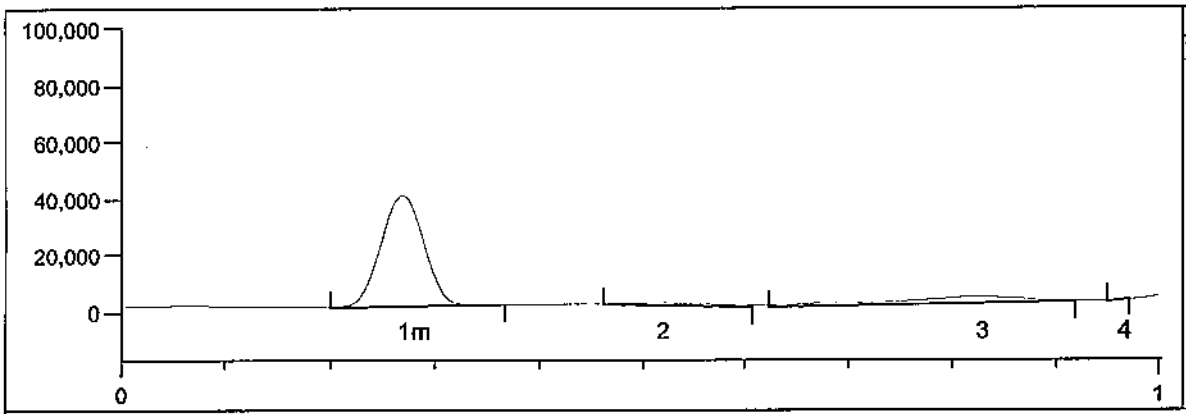


Date: 3/4/14
Time: 4:06 PM

Peak	rt	Area
1m	0.26	1,445,206
2	0.44	21,451
3	0.51	152,924
4	0.70	4,161
5	0.95	-63

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
60		S	1409012-01		1m	1,445,206	7.05	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 4:14 PM

Peak	rt	Area
1m	0.26	1,104,577
2	0.51	21,988
3	0.82	147,870
4	0.96	-330

CmC 3/5/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
62		OPR	SEQ-CCV		1m	1,104,577	5.34		107	80-120	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 0041

As(In) ☑ As(III) ☐ MMA ☐ DMA ☐ Analysis Sheet

Sequence: 1400175	Batch(es): 8140301	Matrix: Biota
Analyst: DRJ	Date: 03-04-14	Pump purge time: 2:30
Cal. blank (average): 0.009 µg/L	Cal. coefficient: 0.00501	RSD: 11.9%
Method blank (average): 0.00 ng/kg	Noise: 1743	Trap(s) #: 51
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
m1	1	SEQ-IBL1	-		
	2	-IBL2	-		
	3	-IBL3	-		
m2	4	-CAL1	0.050		10ng/mL Cal.
	5	-CAL2	0.200		
	6	-CAL3	1.00		
	7	-CAL4	2.00		
	8	-CAL5	3.00		
m2	9	-ICV1	0.050		100ng/mL ICV
	10	-CCV1	0.500		10ng/mL Cal.
m1	11	-CCB1	-		
m2	12	8140301-BLK1	2.00		
m1	13	-BLK2			
	14	-BLK3			
	15	-BLK4			
m2	16	-BS1			
	17	-SRM1			
	18	-SRM2			
m1	19	1408020-01			①
	20	-02			
	21	8140301-DUP1			native: 1408020-01
	22	-MS1			
	23	-MSD1			
m1	24	1408020-03			

Comments: ① 25 µL anti-foam added to bubbler

As(In) ☑ As(III) ☐ MMA ☐ DMA ☐ Analysis Sheet

Page 2 of 3

Sequence: 1400175 Batch: 8140301 Analyst: JRJ Date: 03-04-14

	Run #	Sample ID	Analyzed Volume (mL)	Dilution Factor	Analysis comments / For QC: Source sample, standard ID, and spiked amount
	25	1408020-04	2.00		①
	26	-05			
	27	-06			
	28	-07			
	29	-08			
	30	-09			
m2	31	-10			
	32	8140301-DUP2			native: 1408020-10
	33	-MS2			74% - passes - (undersp.ked)
	34	-MSD2			46% - failed (undersp.ked)
	35	SEQ-CCV2	0.500		10ng/mL Cal.
	36	-CCB2	-		
	37	1408020-11	2.00		①
m2	38	-12			
m1	39	-13			
	40	-14			
	41	-15			
	42	-16			
m2	43	-17	0.200		
	44	-18			
	45	-19			
	46	-20	0.100		
	47	8140301-DUP3			native: 1408020-20
m2	48	-MS3			
	49	-MSD3			
	50	SEQ-CCV3	0.500		10ng/mL Cal.
m1	51	-CCB3	-		
	52	1408020-21	0.200		

Comments:

As(In) ☑ As(III) ☐ MMA ☐ DMA ☐ Analysis Sheet

Page 3 of 3

Sequence: 1409175 Batch: B140301 Analyst: IKJ Date: 03-04-14

	Run #	Sample ID	Analyzed Volume (mL)	Dilution Factor	Analysis comments / For QC: Source sample, standard ID, and spiked amount
	53	1408020-22	0.200		
m2	54	- 23			
	55	- 24			
	56	1408032-01	2.00		
	57	1409004-01			
	58	1409005-01			
	59	1409011-01			
m2	60	1409012-01			
	61	1409034-01			
m2	62	SEQ-CCV4			
	63	- CCB4			

IKJ 03-12-14

Comments:

Total As / Total Se / As Species Inorg, III, MMA/DMA (circle)

Methods BR-0020 Rev _____ (HGAAS) & BR-0021 Rev 004b Mod. of EPA 1632 (HGAAS) - circle

Matrix: Water / Sediment / Biota / Other _____ (circle one)

Batch #(s): B140301, 302, 303, 304 Preparation Start Date/Time*: 03-03-14 / 1550 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
1408020-01 QC1	0.5299	
1408020-02	0.5300	
1408020-03	0.5626	
1408020-04	0.5100	
1408020-05	0.5514	
1408020-06	0.5309	
1408020-07	0.5230	
1408020-08	0.5795	
1408020-09	0.5259	
1408020-10 QC2	0.5247	
1408020-11	0.5473	
1408020-12	0.5426	
1408020-13	0.5336	
1408020-14	0.5094	
1408020-15	0.4972	
1408020-16	0.4941	
1408020-17	0.5270	
1408020-18	0.5231	
1408020-19	0.5241	
1408020-20	0.5710	
1408020-21	0.5967	
1408020-22	0.5039	
1408020-23	0.5763	
1408020-24	0.5255	

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
B140301/302-BS1	-	
B140302-BS2	-	
B140303/304-BS1	-	
~~B140301/302~~-DUP1	0.5479	for all batches
~~B140301/302~~-DUP2	0.5426	
IRJ 03-04-14 ~~B140301/302~~-DUP3	0.5239	
B140301/302-MS1	0.5100	
B140301/302-MS2	0.5075	
B140301/302-MS3	0.5225	
B140301/302-MSD1	0.5459	
B140301/302-MSD2	0.4996	
B140301/302-MSD3	0.5637	
B140303/304-MS1	0.5060	
B140303/304-MS2	0.5343	
B140303/304-MS3	0.5128	
B140303/304-MSD1	0.5531	
B140303/304-MSD2	0.5106	
B140303/304-MSD3	0.5580	
SRM1	0.2071	
SRM2	0.2082	
BLK1	-	
BLK2	-	
BLK3	-	
BLK4	-	(6M HCl)

Batch QC ID	Sample Source	Spike Added (mL)	Spike Concentration (ug/mL)	Spike ID	Spike Witness Initials/Date
B140301/302-BS1	-	0.500	0.10	1410002	3/3/14 CAE
B140302-BS2	-	↓	↓	1410006	
B140301/302-MS/MSD1	1408020-01	0.500	0.10	↓	
B140301/302-MS/MSD2	↓ -10	0.250	↓	↓	
B140301/302-MS/MSD3	↓ -20	0.050	10	1410005	

Reagents Added (ID/Amount Added)
2M HCl (1409005 / 10mL)
or 6M HCl (1409006 / 10mL)

Target Digestion Temperature = 75-85 °C

Measured Temperature*, Time On / Time Off, Date
82 (81) °C 1610 03-03-14
- 16 hour timer

Thermometer ID: BL-10

* Both measured and corrected temperatures must be recorded

Final Volume of Preparation: 10mL

Volume of Prep Subsampled:

Dilution Media: IRJ 03-03-14

Final Dilution Volume:

CRM, Matrix, Certified Values

SRM1: Nist 1568b (Rice Flour): 1337024

Comments: Sample aliquots massed on 02-27-14 by IRJ then stored in the walk-in freezer until prep. date.

Total As / Total Se / As Species I+/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): B140303/304

Page 2 of 2

Prepared By: IRJ

Preparation Start Date/Time*: 03/03/14 - 1550

* Time is when the first reagents are added.

Balance ID: BL-08

Preparation End Date/Time**: 03/03/14 - 1605

** Time is when the last sample is brought upto volume or when last reagent is added if it does not need to be brought upto vlume.

Batch QC ID	Source	MMA Spike Added(mL)/Conc.	DMA Spike Added(mL)/Conc.	Spike ID (MMA/DMA)
BS1	–	0.500 / 0.10 µg/mL	0.500 / 0.10 µg/mL	1410037/1410038
MS/MSD1	1408020-01	0.25 / 0.10 µg/mL	0.250 /	↓
MS/MSD2	↓ -10	↓ / ↓	↓ / ↓	↓
MS/MSD3	↓ -20	0.25 / 0.10 µg/mL	0.250 / 10 µg/mL	1410037/1410035

3/3/14 CLE
Witness/Date

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
(See pg. 1)

Thermometer ID: _____

* Both measured and corrected temperatures must be recorded

Final Volume of Preparation: 10mL
Volume of Prep Subsampled: _____
Dilution Media: _____
Final Dilution Volume: _____

IRJ 03-03-14

CRM, Matrix, Certified Values
Same as pg. 1

Comments:

Sample ID	Sample Mass (g)
1409005-01	0.2012
1409034-01	0.2108 6M HCl
1409004-01	0.2056
1409011-01	0.2019
1409012-01	0.2022
1408032-01	0.2045

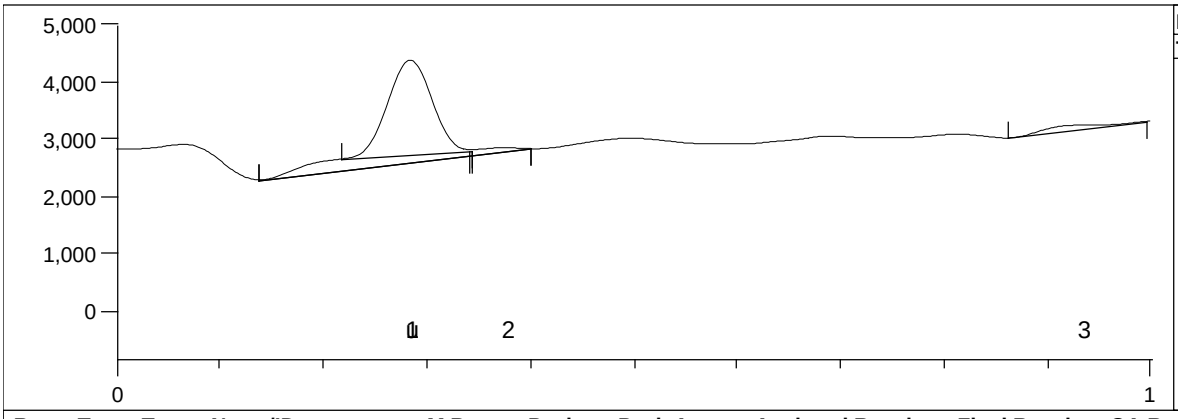
IRJ 03-03-14

Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

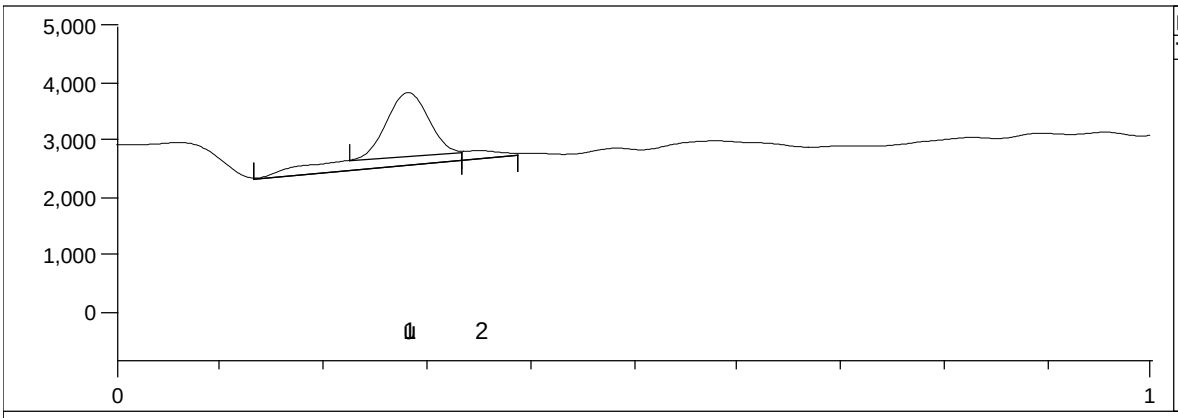
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 10:27 AM

Peak	rt	Area
1	0.28	66,463
2	0.37	2,435
3	0.93	3,400
u	0.28	48,273

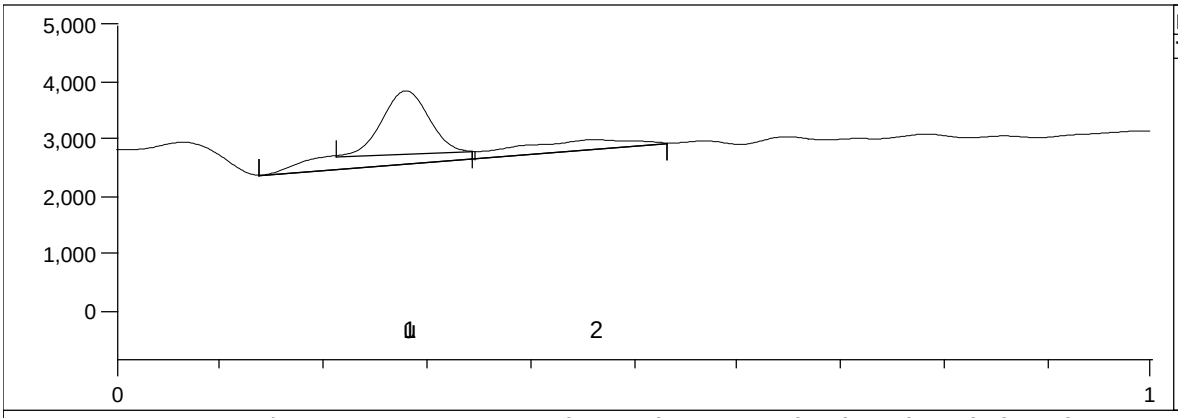
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1		CB	SEQ-IBL1		u	48,273	0.242		0.242	< 0.4	accept
Notes											



Date: 3/4/14
Time: 10:31 AM

Peak	rt	Area
1	0.28	46,476
2	0.35	2,222
u	0.28	30,523

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2		CB	SEQ-IBL2		u	30,523	0.153		0.153	< 0.4	accept
Notes											



Date: 3/4/14
Time: 10:35 AM

Peak	rt	Area
1	0.28	55,197
2	0.46	13,758
u	0.28	33,948

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3		CB	SEQ-IBL3		u	33,948	0.170		0.170	< 0.4	accept
Notes											

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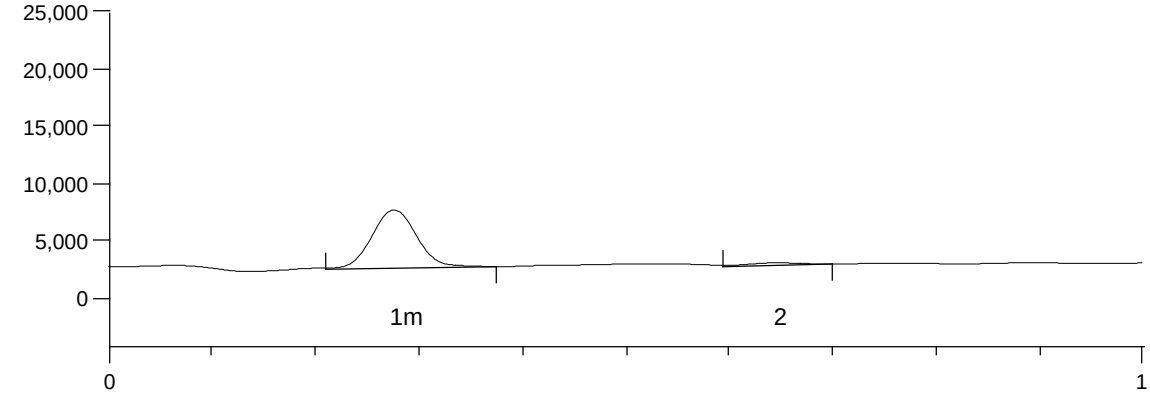
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

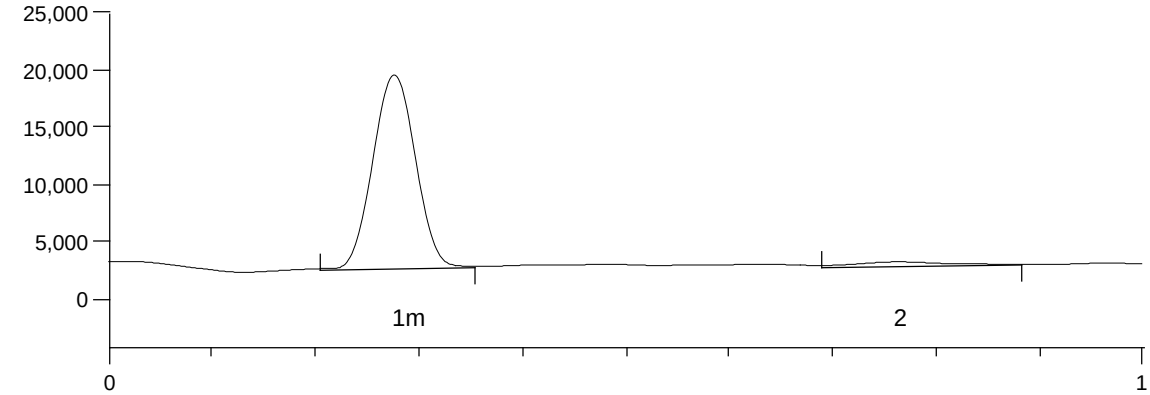
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 10:39 AM

Peak	rt	Area
1m	0.27	148,980
2	0.64	5,323

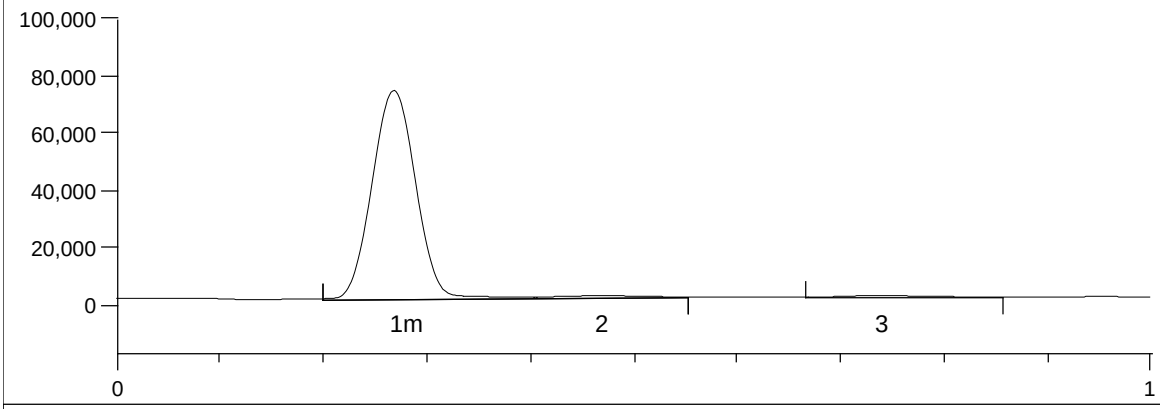
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4		STD	SEQ-CAL1		1m	148,980	0.558		112	80-120	accept
Notes											



Date: 3/4/14
Time: 10:44 AM

Peak	rt	Area
1m	0.27	479,963
2	0.76	15,349

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5		STD	SEQ-CAL2		1m	479,963	2.22		111	80-120	accept
Notes											



Date: 3/4/14
Time: 10:48 AM

Peak	rt	Area
1m	0.26	2,117,176
2	0.46	28,210
3	0.73	21,294

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6		STD	SEQ-CAL3		1m	2,117,176	10.4		104	80-120	accept
Notes											

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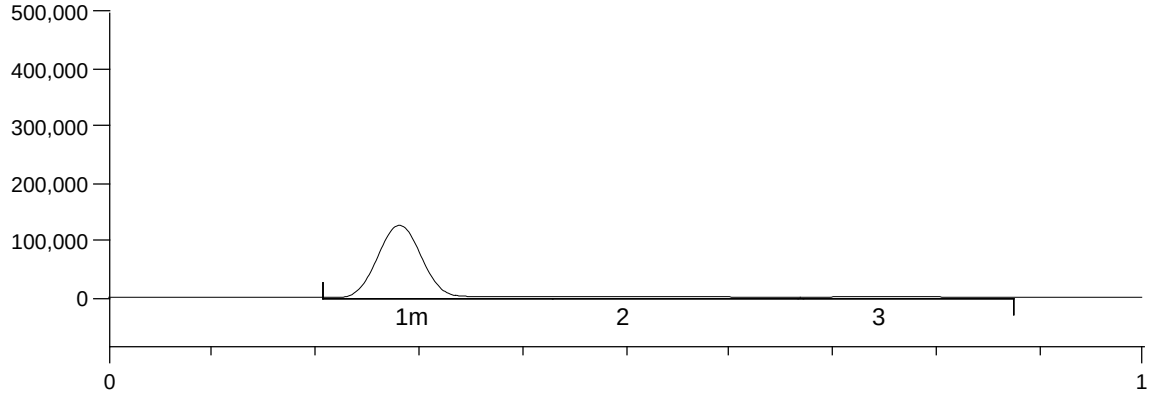
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

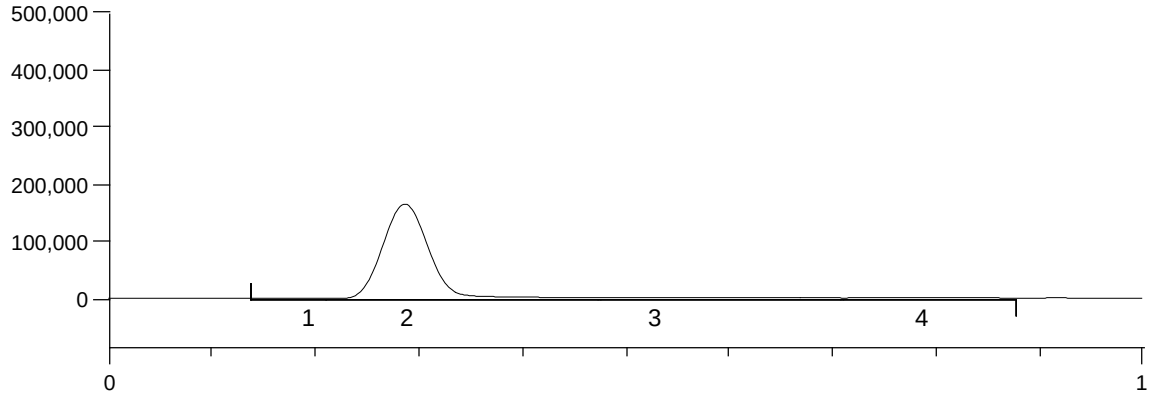
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 10:52 AM

Peak	rt	Area
1m	0.28	3,773,282
2	0.49	105,717
3	0.74	57,705

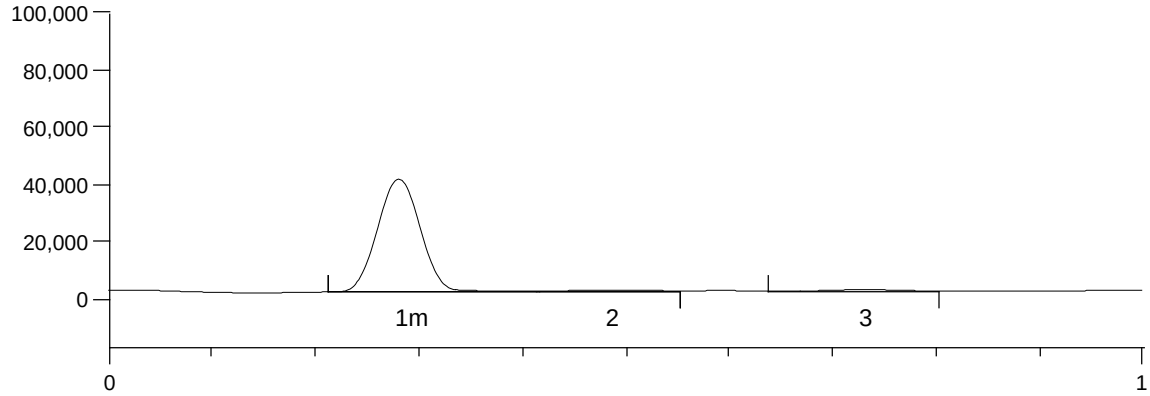
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7		STD	SEQ-CAL4		1m	3,773,282	18.7		93.6	80-120	accept
Notes											



Date: 3/4/14
Time: 10:58 AM

Peak	rt	Area
1	0.19	6,410
2	0.28	5,144,070
3	0.52	118,952
4	0.78	59,411

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8		STD	SEQ-CAL5		2	5,144,070	25.6		85.3	80-120	accept
Notes											



Date: 3/4/14
Time: 11:01 AM

Peak	rt	Area
1m	0.28	1,131,891
2	0.48	14,380
3	0.73	17,103

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9		OPR	SEQ-ICV		1m	1,131,891	5.48		110.	80-120	accept
Notes											

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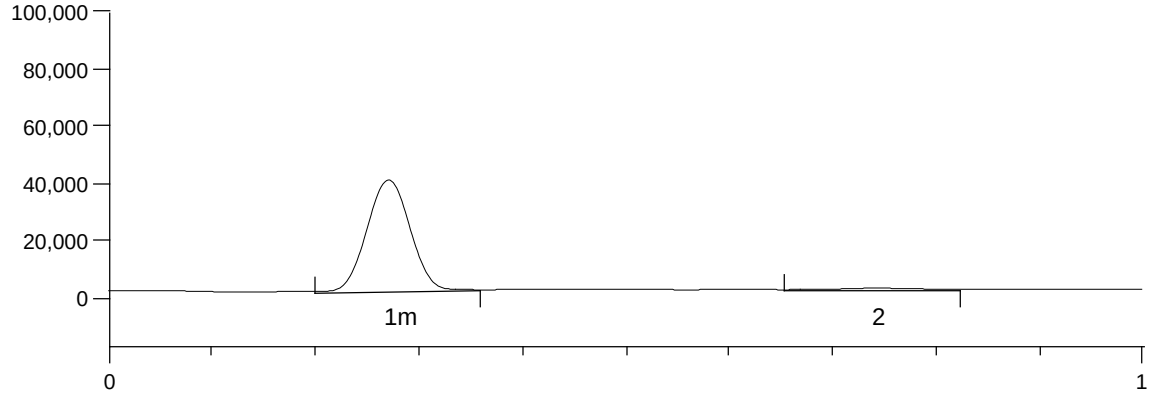
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

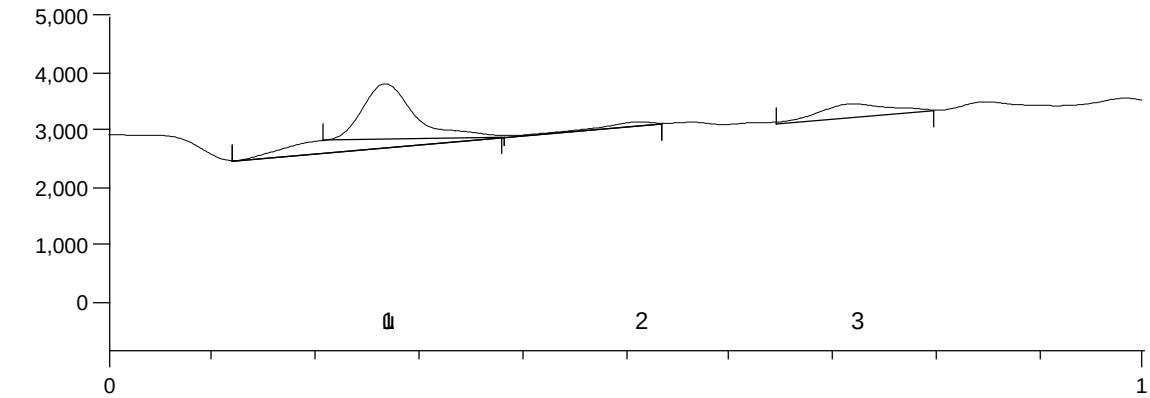
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 11:05 AM

Peak	rt	Area
1m	0.27	1,111,707
2	0.74	17,951

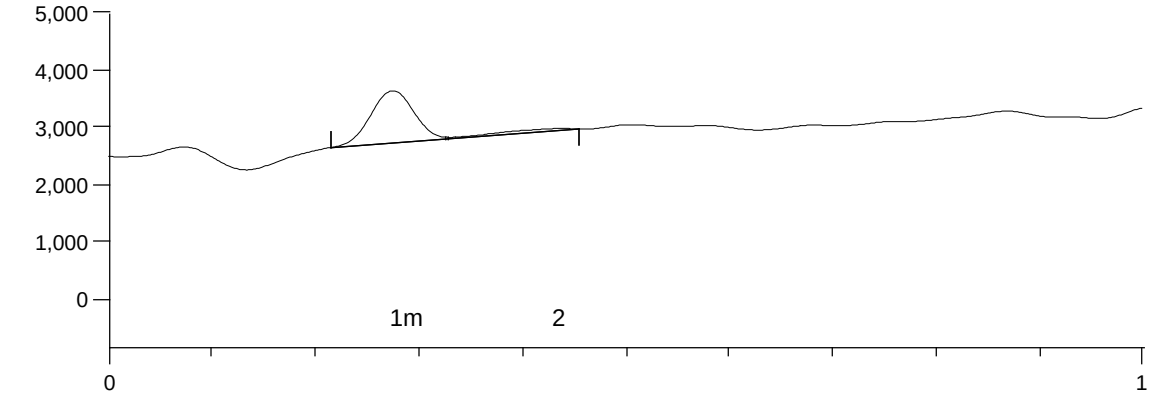
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10		OPR	SEQ-CCV		1m	1,111,707	5.38		108	80-120	accept
Notes											



Date: 3/4/14
Time: 11:10 AM

Peak	rt	Area
1	0.26	52,411
2	0.51	2,640
3	0.72	9,736
u	0.26	32,779

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11		CCB	SEQ-CCB		u	32,779	0.164		0.164	< 0.4	accept
Notes											



Date: 3/4/14
Time: 11:23 AM

Peak	rt	Area
1m	0.27	26,256
2	0.43	2,688

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12		S	B140301-BLK1		1m	26,256	-0.0567	0.00		< HS	accept
Notes											

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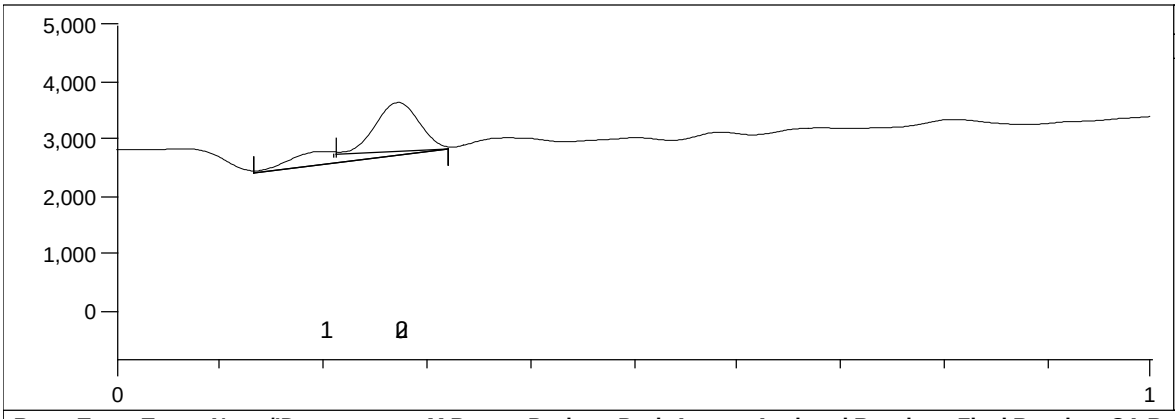
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

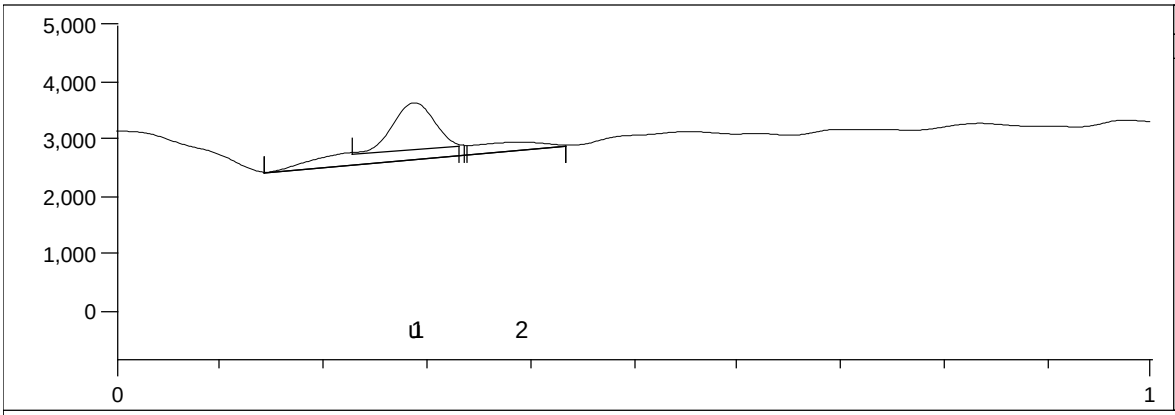
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 11:27 AM

Peak	rt	Area
1	0.20	6,032
2	0.27	28,420
u	0.27	23,227

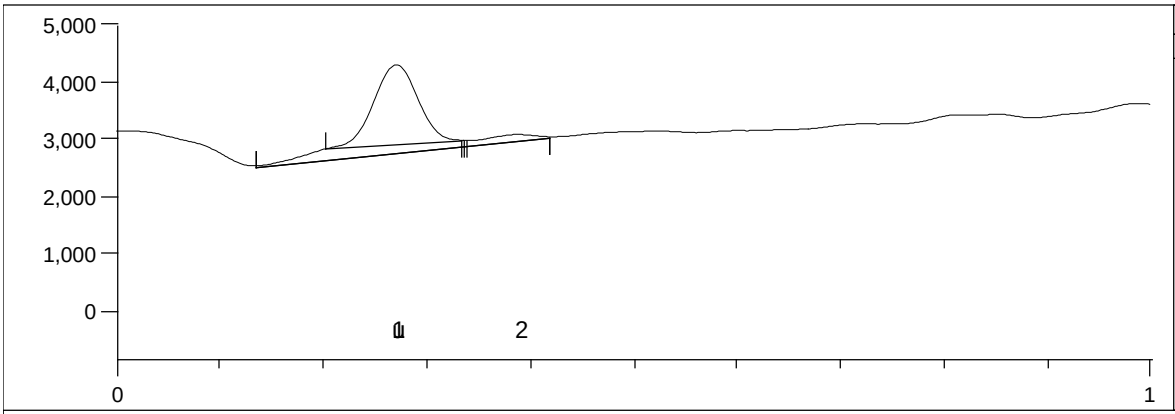
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
13		S	B140301-BLK2		u	23,227	-0.0719	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 11:31 AM

Peak	rt	Area
1	0.28	40,162
2	0.38	6,298
u	0.28	21,591

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
14		S	B140301-BLK3		u	21,591	-0.0801	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 11:35 AM

Peak	rt	Area
1	0.27	55,378
2	0.38	3,620
u	0.27	40,886

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
15		S	B140301-BLK4		u	40,886	0.0166	0.00		< HS	accept
Notes											

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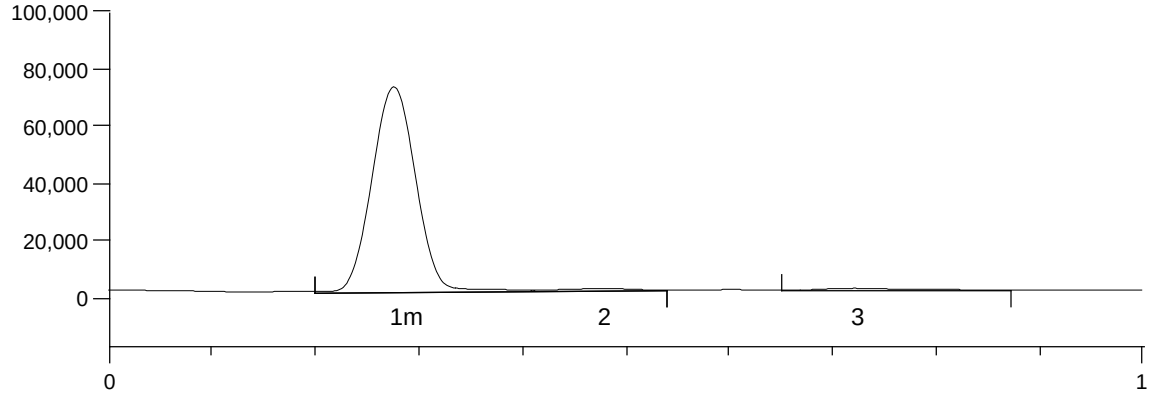
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

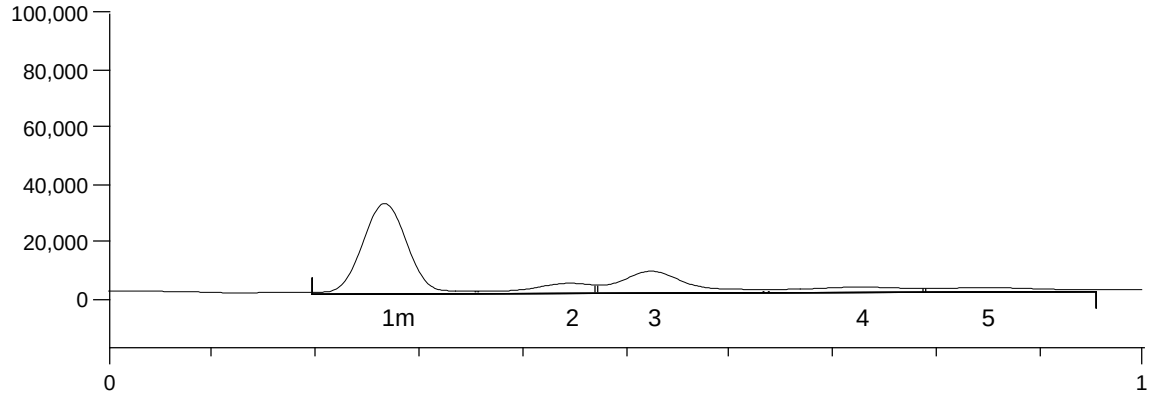
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 11:39 AM

Peak	rt	Area
1m	0.27	2,079,729
2	0.47	26,960
3	0.72	31,174

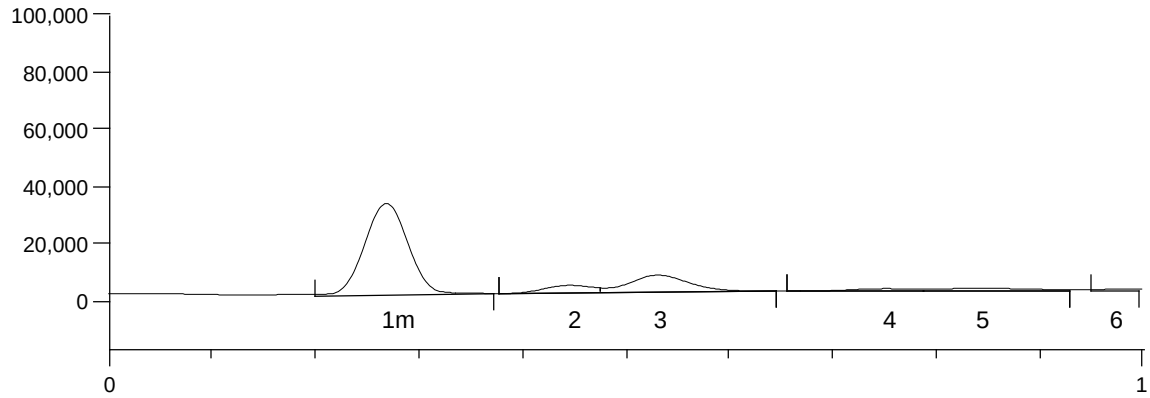
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16		S	B140301-BS1		1m	2,079,729	10.2	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 11:42 AM

Peak	rt	Area
1m	0.26	904,142
2	0.44	102,230
3	0.52	283,181
4	0.72	74,860
5	0.84	47,512

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17		S	B140301-SRM1		1m	904,142	4.34	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 11:46 AM

Peak	rt	Area
1m	0.26	908,934
2	0.44	89,592
3	0.53	245,912
4	0.75	32,146
5	0.84	36,680
6	0.97	241

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18		S	B140301-SRM2		1m	908,934	4.36	0.00		< HS	accept
Notes											

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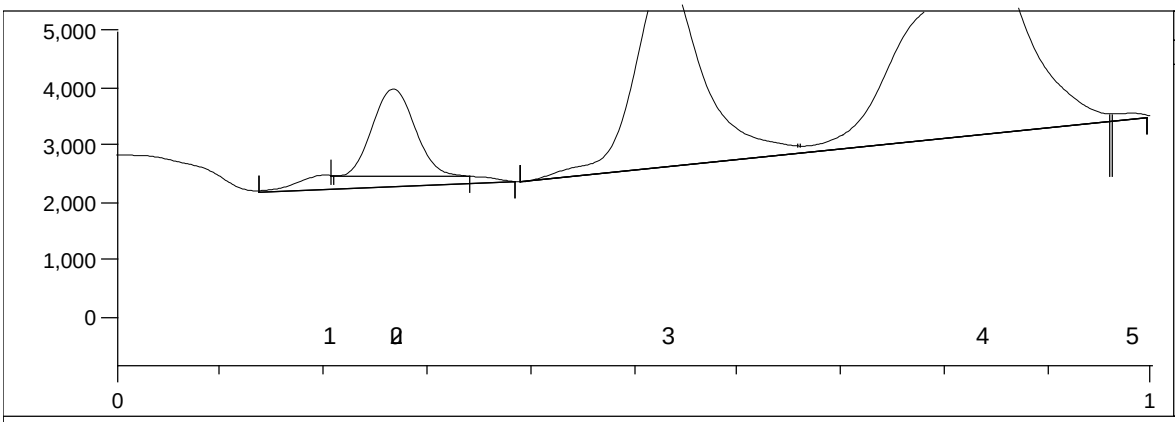
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

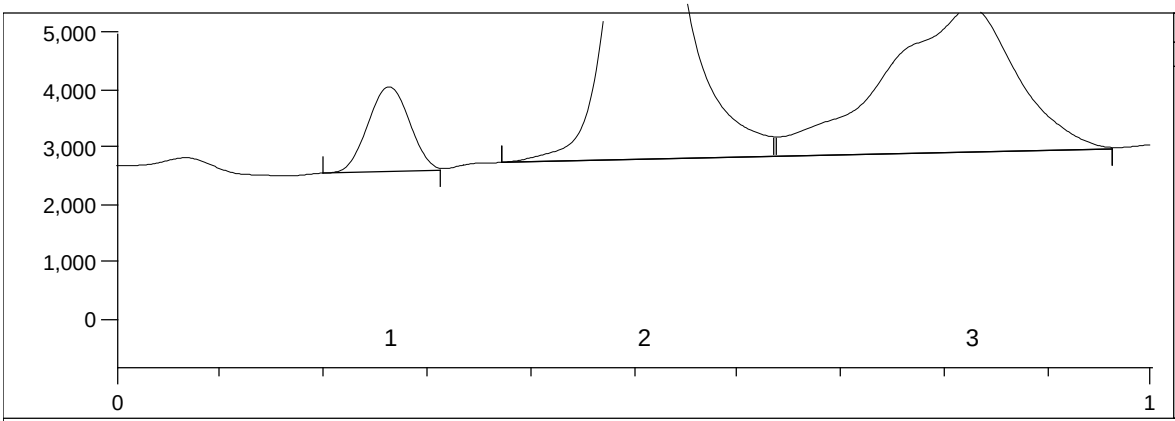
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 12:46 PM

Peak	rt	Area
1	0.20	5,103
2	0.26	58,443
3	0.53	155,796
4	0.83	264,570
5	0.98	1,672
u	0.26	43,612

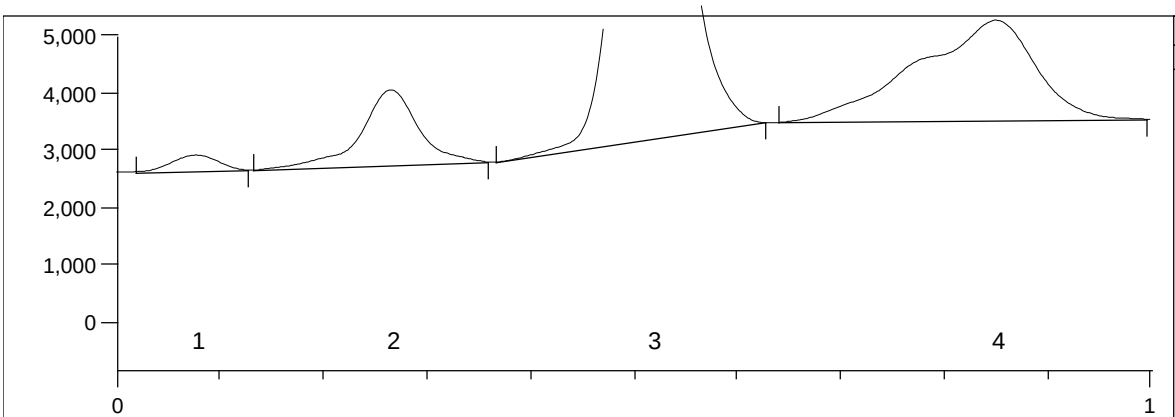
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
19		S	1408020-01		u	43,612	0.0302	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 12:50 PM

Peak	rt	Area
1	0.26	40,698
2	0.50	345,440
3	0.82	219,814

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
20		S	1408020-02		1	40,698	0.0156	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 12:54 PM

Peak	rt	Area
1	0.07	8,295
2	0.26	51,495
3	0.51	454,123
4	0.85	140,061

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
21		S	B140301-DUP1		2	51,495	0.0697	0.00		< HS	accept
Notes											

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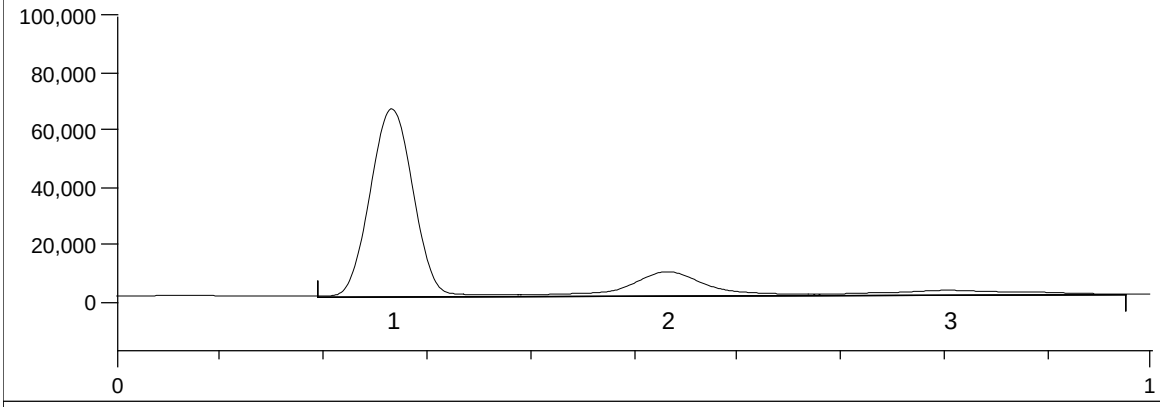
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

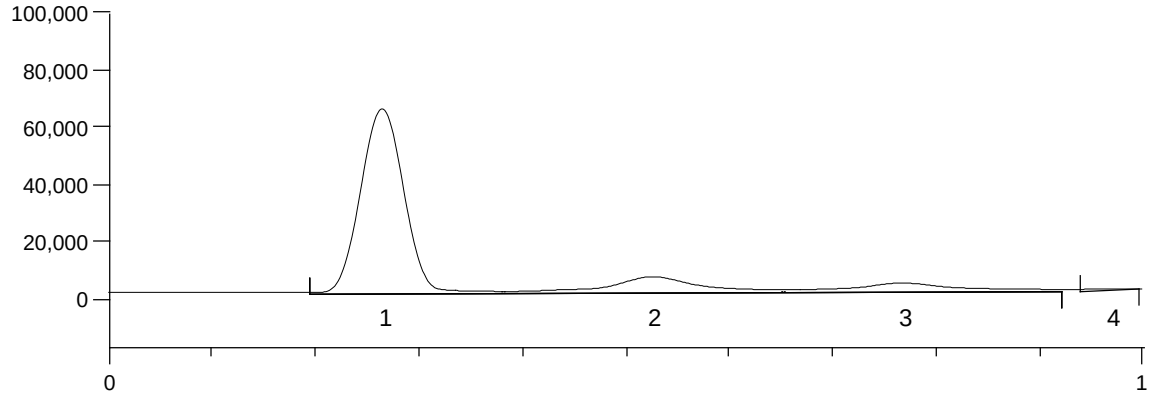
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 12:58 PM

Peak	rt	Area
1	0.26	1,876,972
2	0.53	399,470
3	0.80	123,604

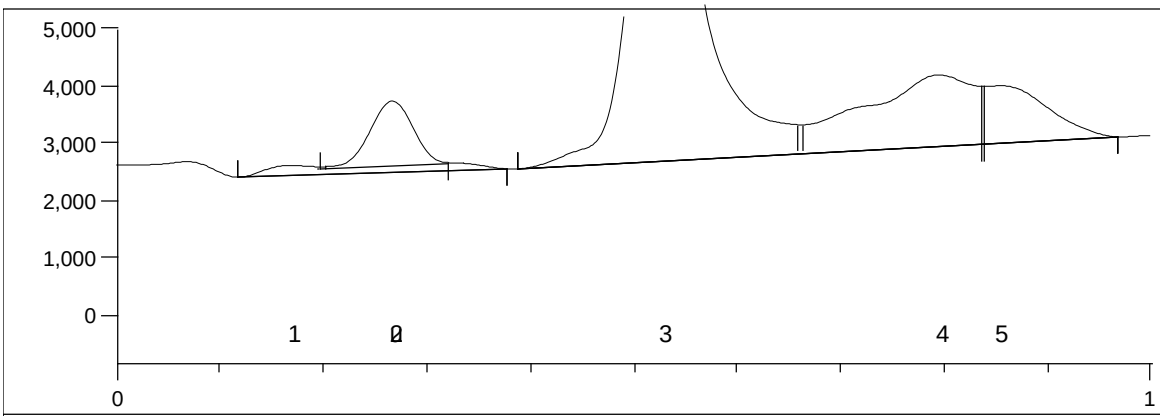
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
22		S	B140301-MS1		1	1,876,972	9.21	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 1:02 PM

Peak	rt	Area
1	0.26	1,836,219
2	0.52	257,622
3	0.76	134,311
4	0.96	775

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
23		S	B140301-MSD1		1	1,836,219	9.01	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 1:06 PM

Peak	rt	Area
1	0.16	5,825
2	0.26	44,047
3	0.52	351,004
4	0.79	95,445
5	0.85	40,390
u	0.26	31,459

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24		S	1408020-03		u	31,459	-0.0307	0.00		< HS	accept
Notes											

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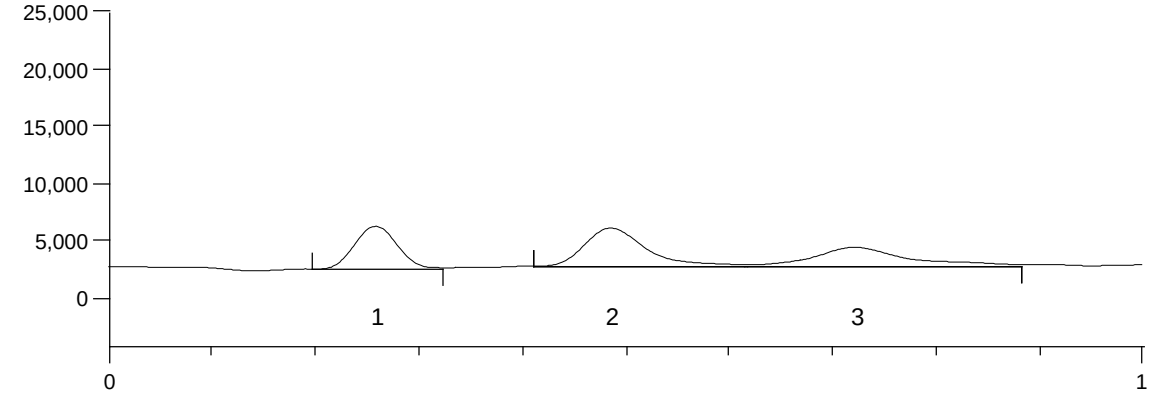
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

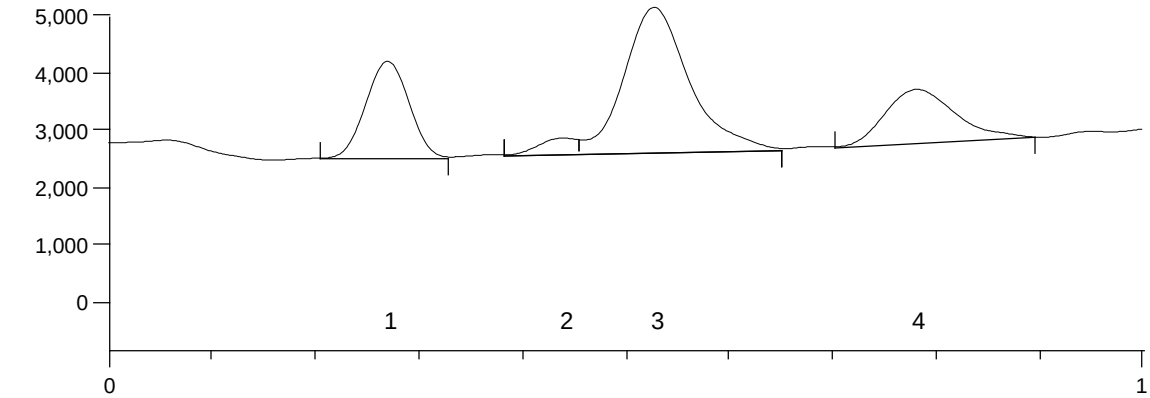
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 1:10 PM

Peak	rt	Area
1	0.26	104,155
2	0.48	132,140
3	0.72	88,935

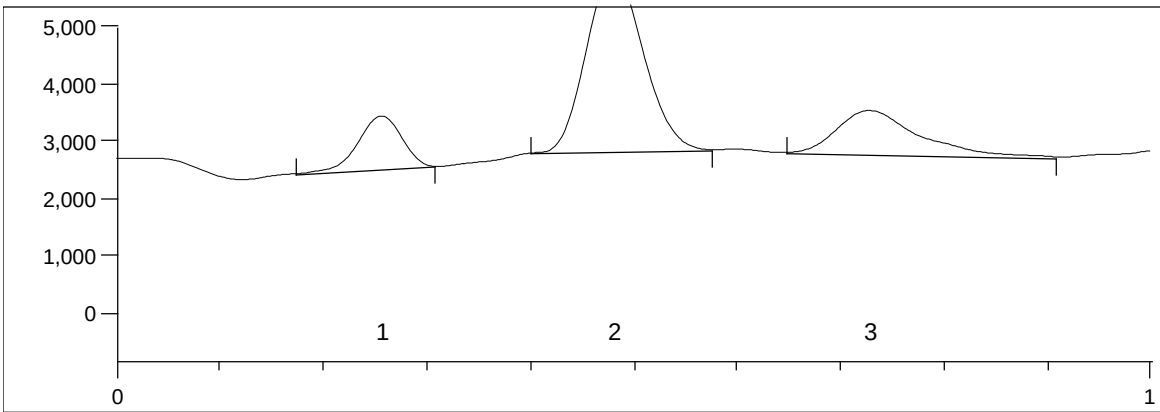
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
25		S	1408020-04		1	104,155	0.333	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 1:14 PM

Peak	rt	Area
1	0.27	48,618
2	0.44	7,236
3	0.52	109,497
4	0.78	44,381

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
26		S	1408020-05		1	48,618	0.0553	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 1:18 PM

Peak	rt	Area
1	0.25	27,304
2	0.48	119,338
3	0.72	40,099

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
27		S	1408020-06		1	27,304	-0.0515	0.00		< HS	accept
Notes											

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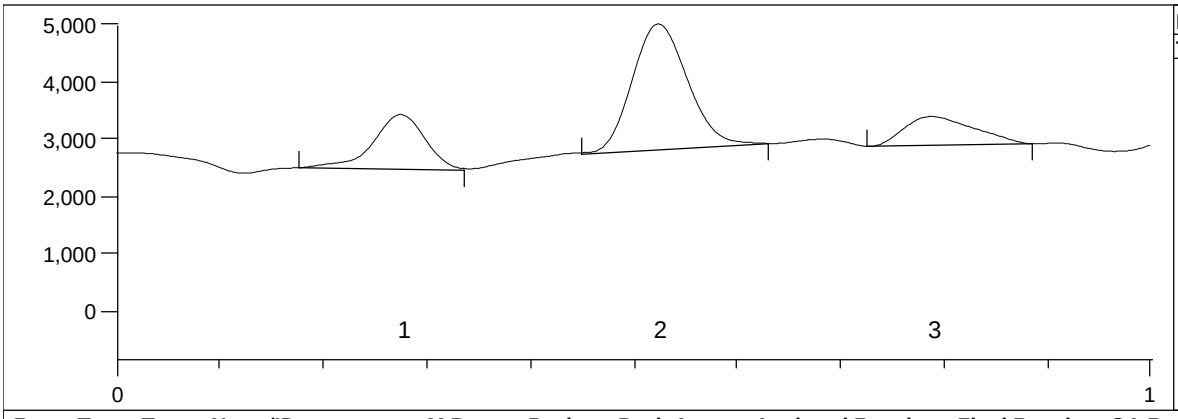
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

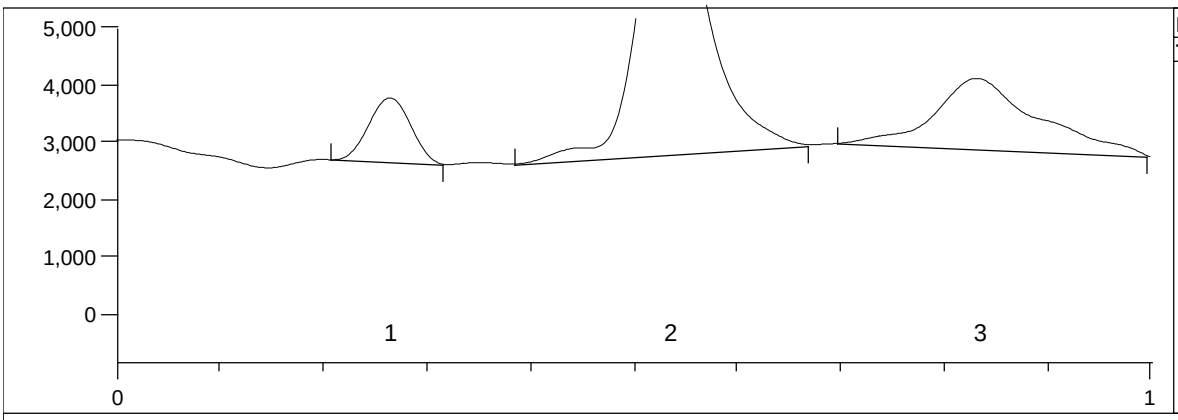
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 1:22 PM

Peak	rt	Area
1	0.27	31,930
2	0.52	80,808
3	0.78	23,977

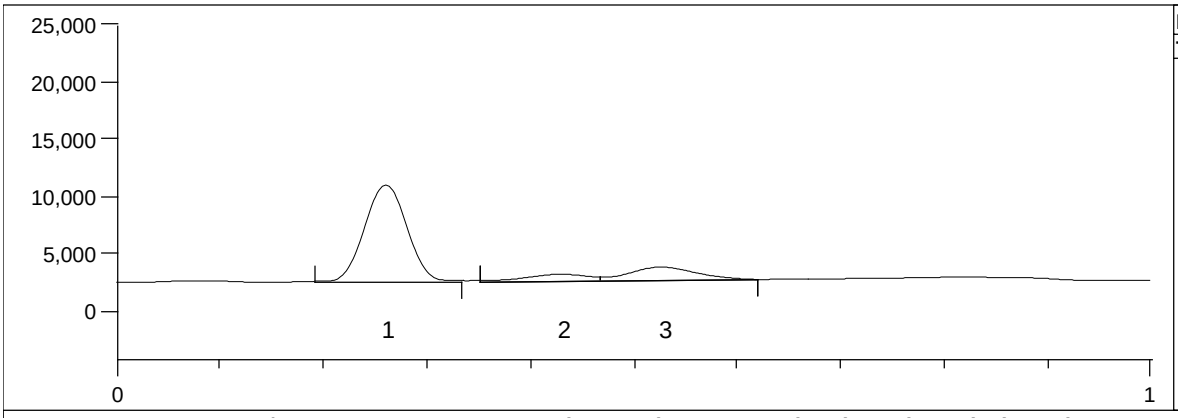
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
28		S	1408020-07		1	31,930	-0.0283	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 1:26 PM

Peak	rt	Area
1	0.26	31,674
2	0.53	242,545
3	0.83	87,349

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29		S	1408020-08		1	31,674	-0.0296	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 1:29 PM

Peak	rt	Area
1	0.26	235,720
2	0.43	20,122
3	0.52	49,025

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
30		S	1408020-09		1	235,720	0.993	0.00		< HS	accept
Notes											

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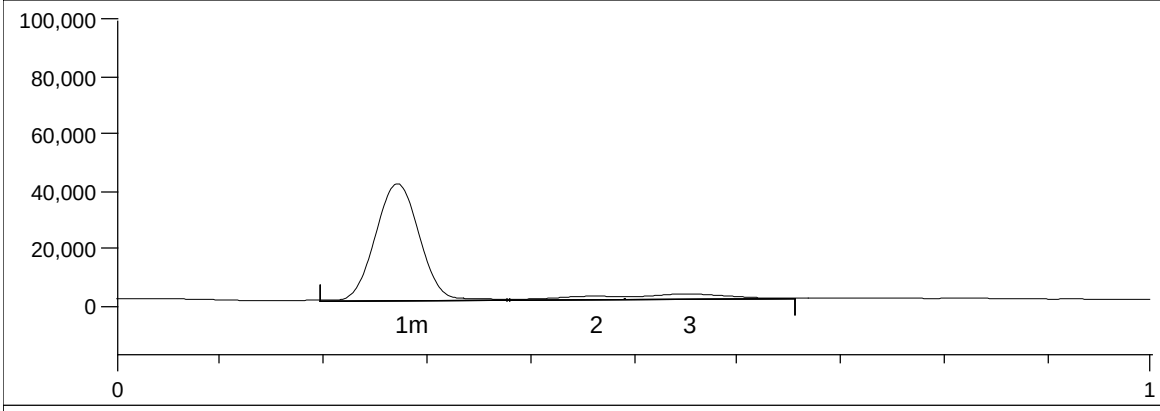
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

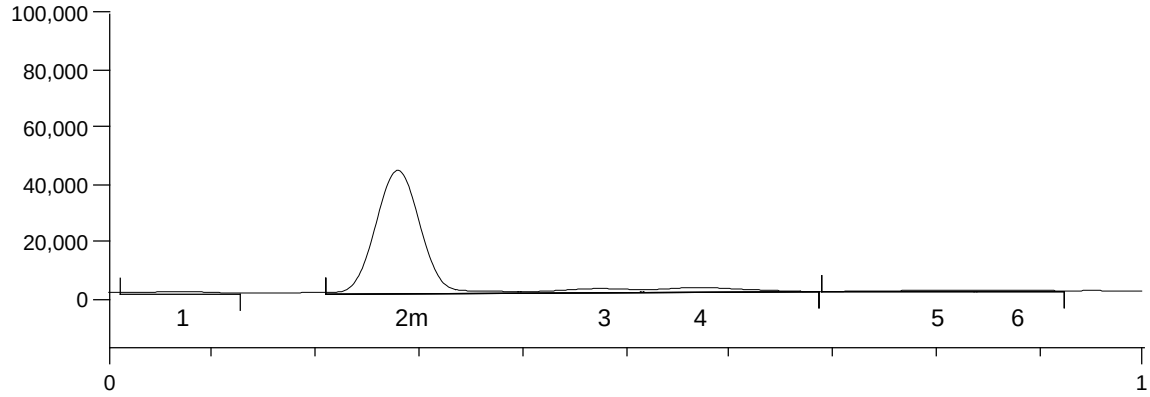
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 1:34 PM

Peak	rt	Area
1m	0.27	1,186,528
2	0.46	41,111
3	0.55	86,598

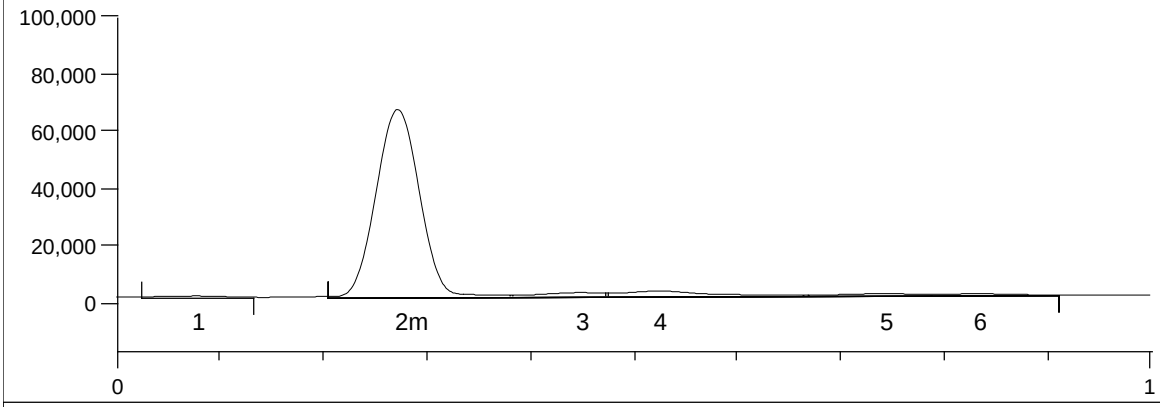
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31		S	1408020-10		1m	1,186,528	5.76	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 1:37 PM

Peak	rt	Area
1	0.06	15,353
2m	0.28	1,255,520
3	0.47	53,213
4	0.57	82,143
5	0.80	18,591
6	0.87	7,915

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
32		S	B140301-DUP2		2m	1,255,520	6.10	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 1:41 PM

Peak	rt	Area
1	0.07	11,469
2m	0.27	1,890,075
3	0.44	47,109
4	0.52	89,491
5	0.74	27,666
6	0.83	20,005

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
33		S	B140301-MS2		2m	1,890,075	9.28	0.00		< HS	accept
Notes											

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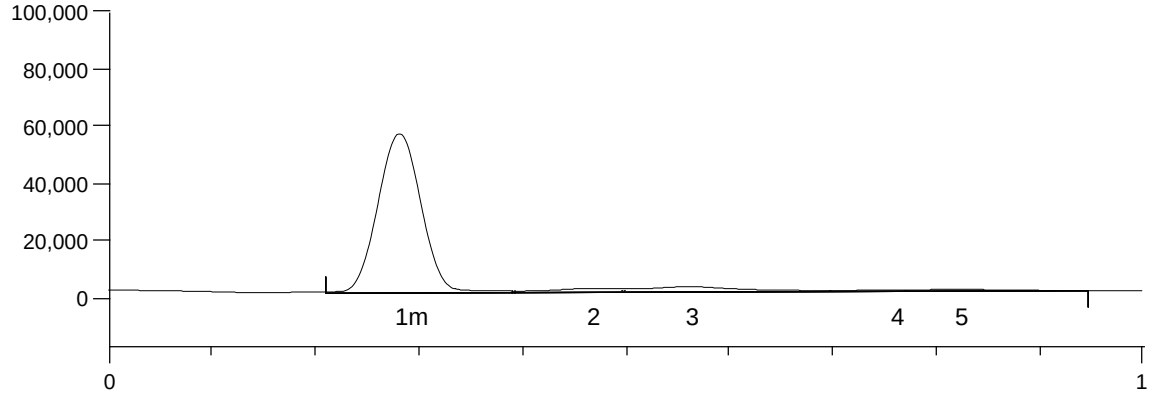
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

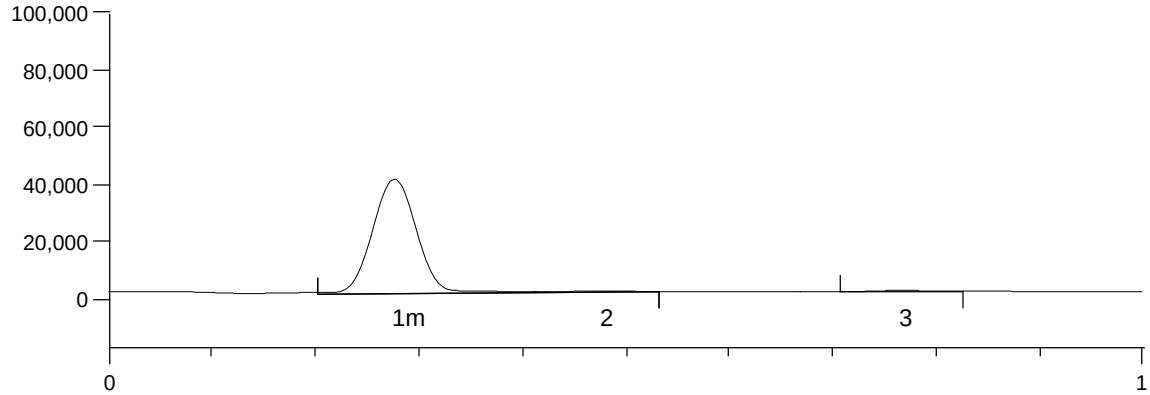
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 1:46 PM

Peak	rt	Area
1m	0.28	1,583,742
2	0.46	42,682
3	0.56	102,120
4	0.76	16,500
5	0.82	36,478

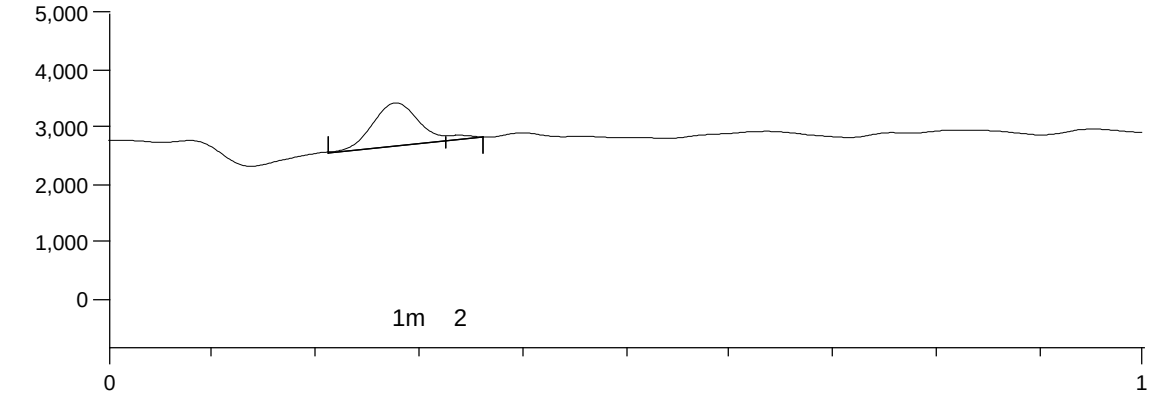
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
34		S	B140301-MSD2		1m	1,583,742	7.75	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 1:49 PM

Peak	rt	Area
1m	0.27	1,144,909
2	0.48	9,560
3	0.76	12,081

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
35		OPR	SEQ-CCV		1m	1,144,909	5.55		111	80-120	accept
Notes											



Date: 3/4/14
Time: 1:53 PM

Peak	rt	Area
1m	0.27	22,757
2	0.33	1,138

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
36		CCB	SEQ-CCB		1m	22,757	0.114		0.114	< 0.4	accept
Notes											

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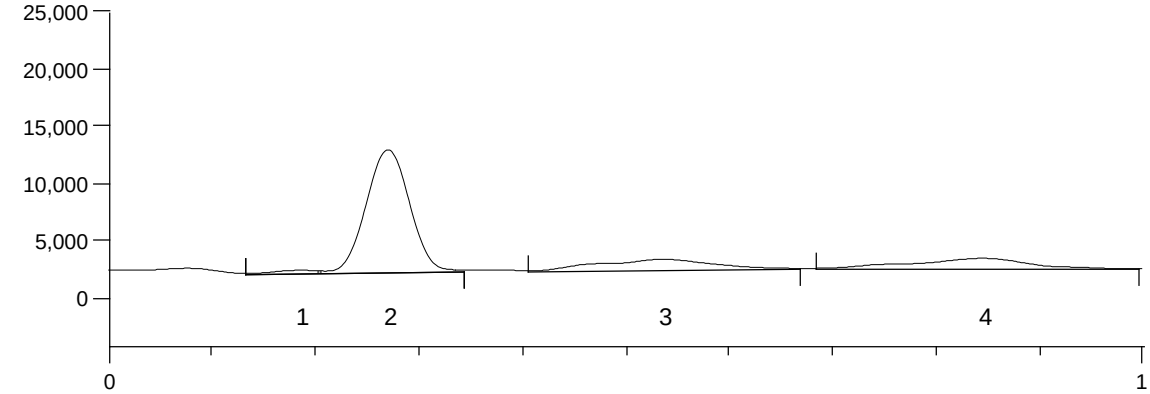
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

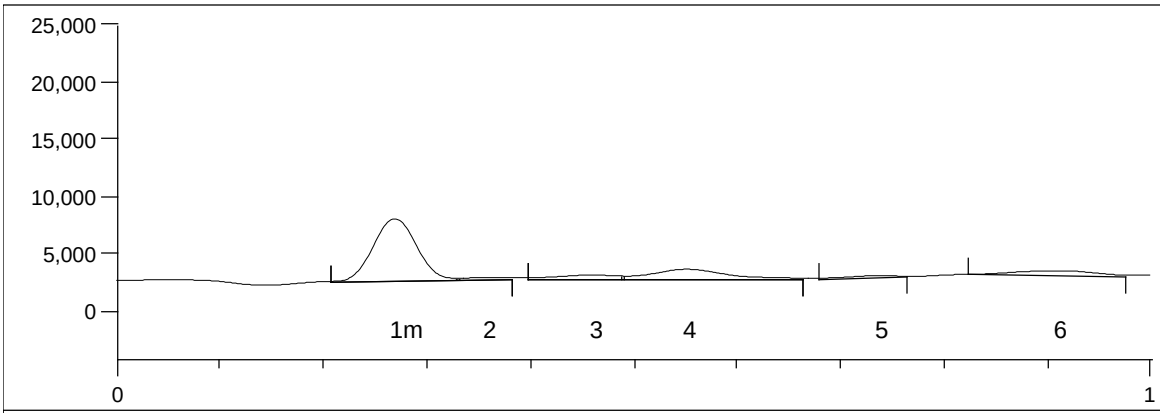
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 2:23 PM

Peak	rt	Area
1	0.18	6,150
2	0.27	306,837
3	0.53	66,586
4	0.84	66,517

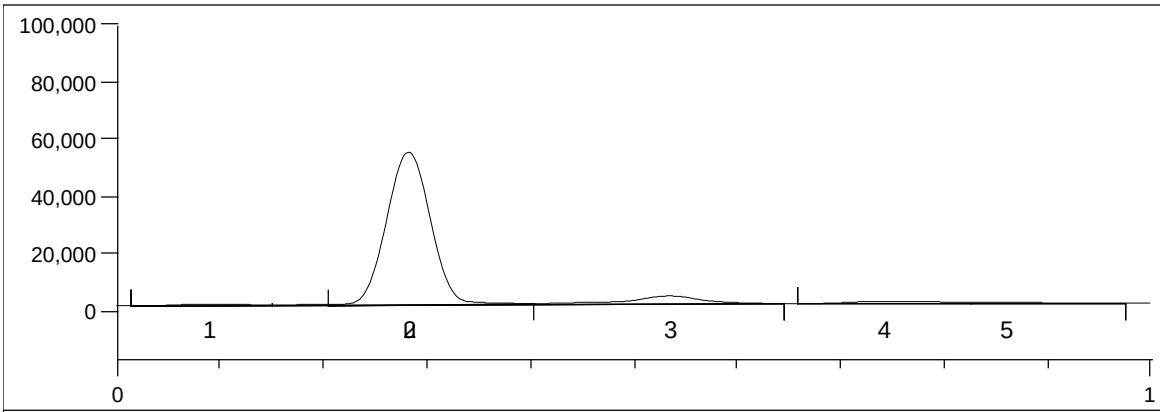
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
37		S	1408020-11		2	306,837	1.35	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 2:27 PM

Peak	rt	Area
1m	0.26	153,529
2	0.35	1,352
3	0.46	8,534
4	0.55	33,225
5	0.73	3,273
6	0.91	17,153

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
38		S	1408020-12		1m	153,529	0.581	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 2:32 PM

Peak	rt	Area
1	0.08	25,773
2	0.28	1,598,248
3	0.53	146,890
4	0.74	42,662
5	0.85	19,042
u	0.28	1,547,595

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
39		S	1408020-13		u	1,547,595	7.56	0.00		< HS	accept
Notes											

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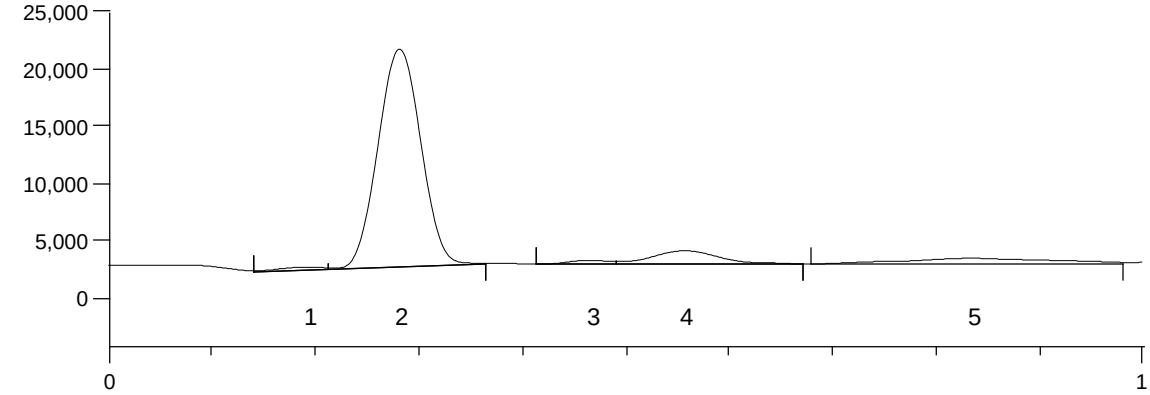
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

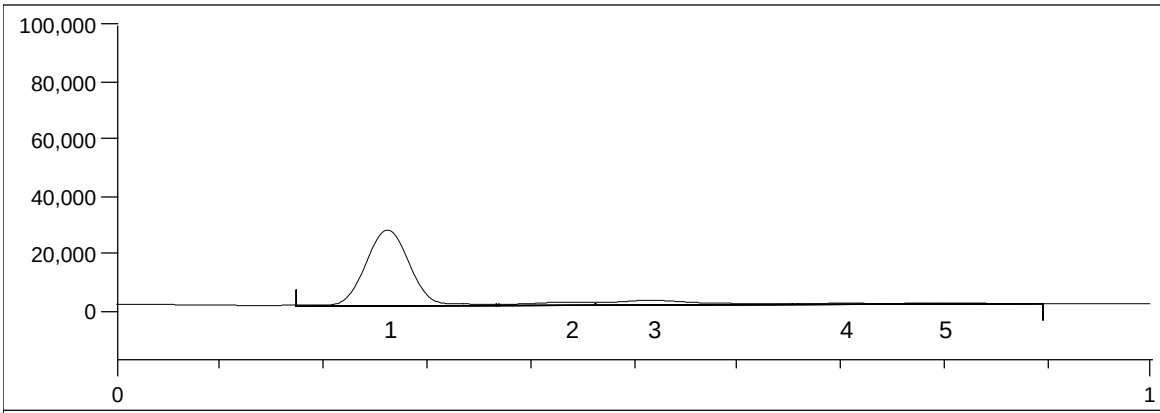
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 2:36 PM

Peak	rt	Area
1	0.19	4,386
2	0.28	545,002
3	0.46	9,681
4	0.55	53,503
5	0.83	39,411

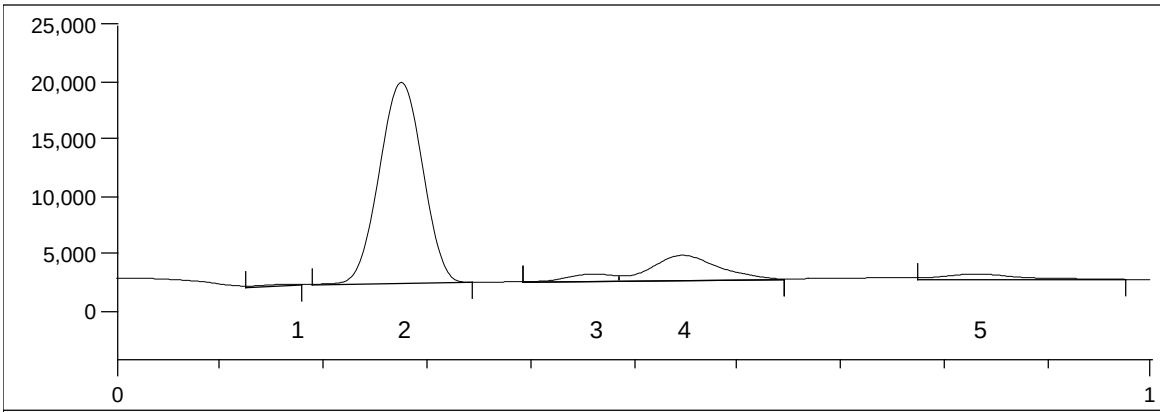
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
40		S	1408020-14		2	545,002	2.54	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 2:39 PM

Peak	rt	Area
1	0.26	761,246
2	0.43	35,887
3	0.51	81,960
4	0.70	12,530
5	0.80	17,636

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
41		S	1408020-15		1	761,246	3.63	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 2:43 PM

Peak	rt	Area
1	0.17	1,060
2	0.27	512,149
3	0.46	18,866
4	0.54	95,172
5	0.83	14,897

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
42		S	1408020-16		2	512,149	2.38	0.00		< HS	accept
Notes											

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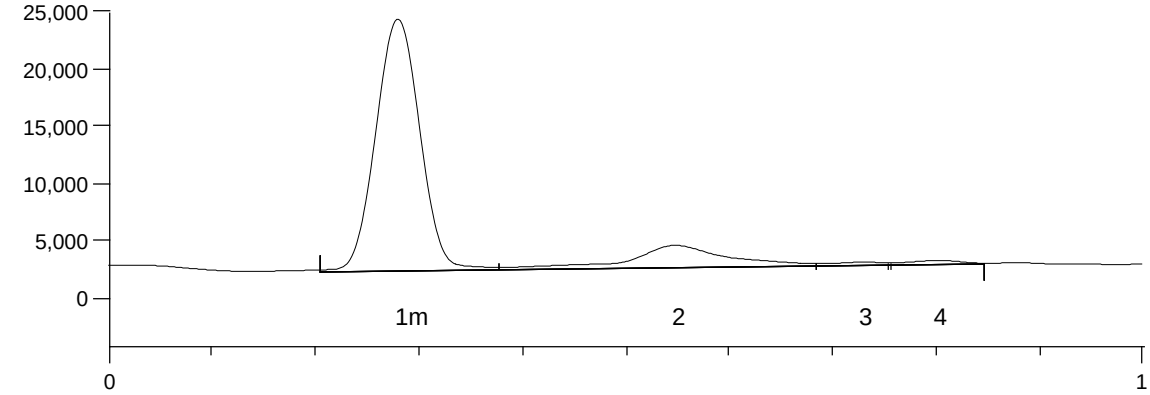
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

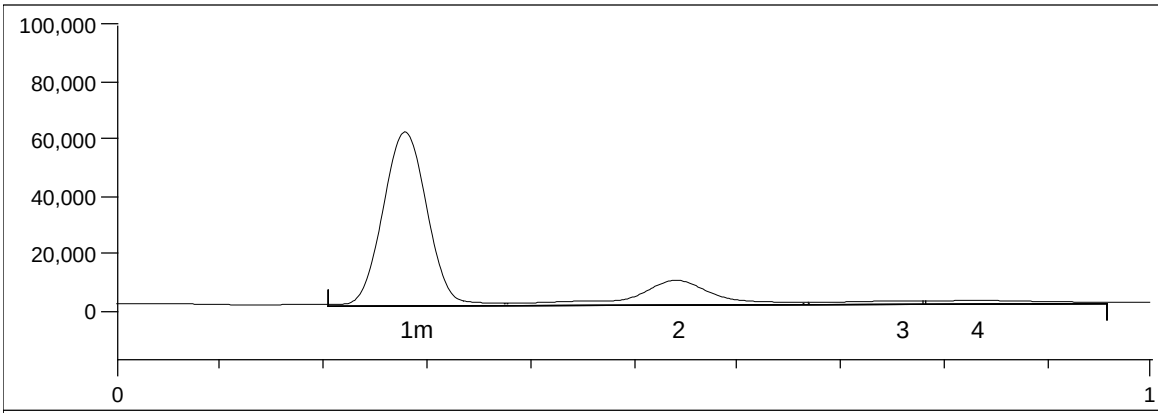
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 2:47 PM

Peak	rt	Area
1m	0.28	639,262
2	0.54	110,067
3	0.73	7,045
4	0.80	9,573

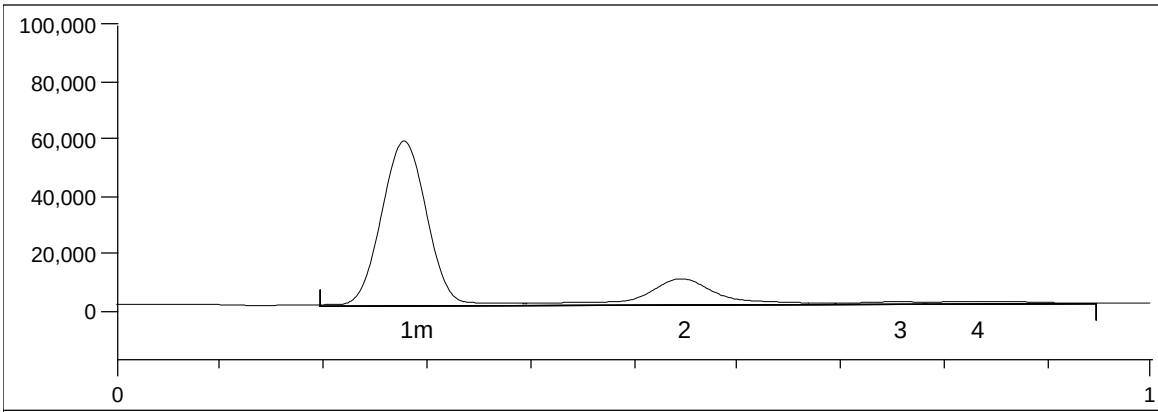
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
43		S	1408020-17		1m	639,262	3.01	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 2:51 PM

Peak	rt	Area
1m	0.28	1,754,245
2	0.54	379,232
3	0.75	34,338
4	0.83	48,842

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
44		S	1408020-18		1m	1,754,245	8.60	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 2:55 PM

Peak	rt	Area
1m	0.28	1,721,367
2	0.54	401,503
3	0.75	23,063
4	0.83	37,343

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
45		S	1408020-19		1m	1,721,367	8.43	0.00		< HS	accept
Notes											

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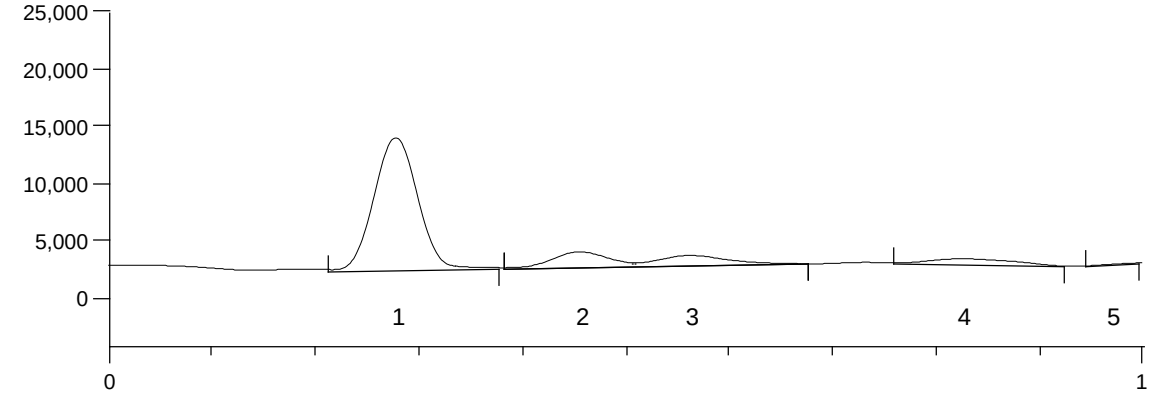
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

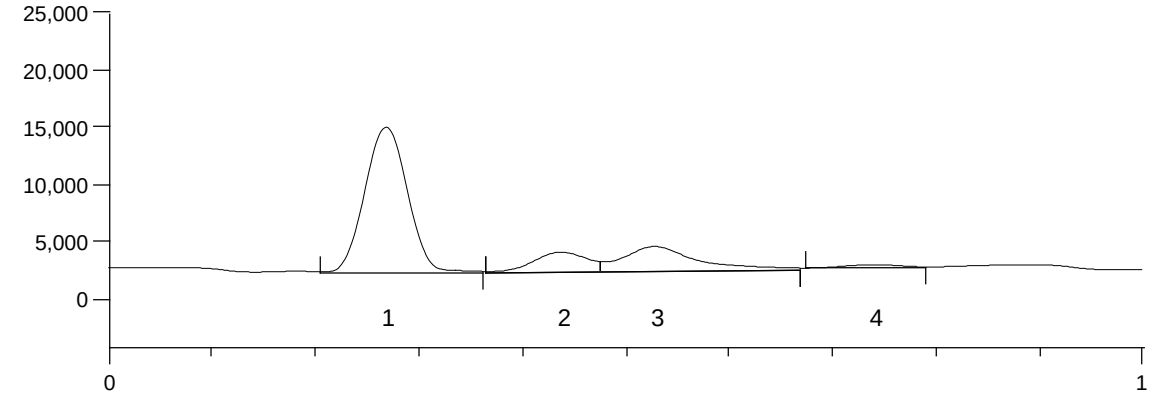
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 2:59 PM

Peak	rt	Area
1	0.27	330,827
2	0.45	47,976
3	0.56	40,935
4	0.82	25,162
5	0.96	231

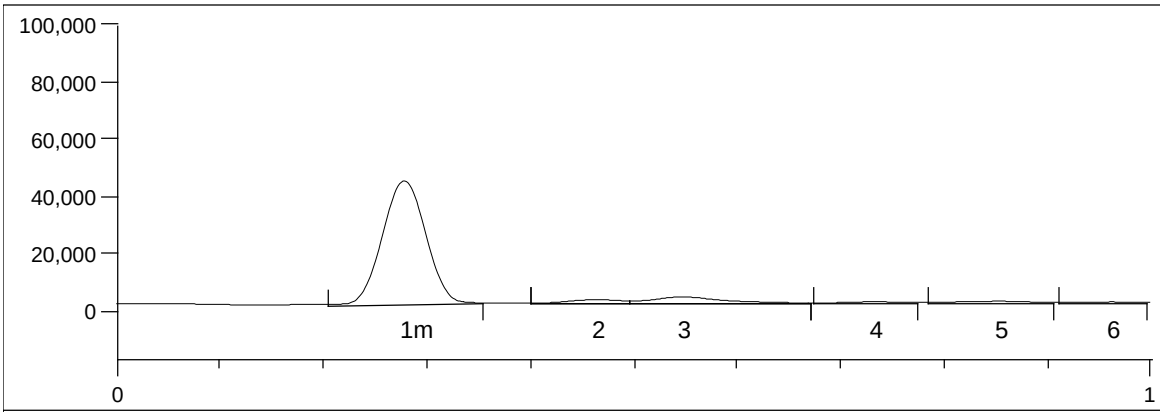
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
46		S	1408020-20		1	330,827	1.47	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 3:03 PM

Peak	rt	Area
1	0.26	357,466
2	0.43	57,194
3	0.52	91,329
4	0.74	7,859

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
47		S	B140301-DUP3		1	357,466	1.60	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 3:07 PM

Peak	rt	Area
1m	0.28	1,237,234
2	0.46	40,125
3	0.54	95,827
4	0.73	7,401
5	0.85	14,419
6	0.96	4,832

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
48		S	B140301-MS3		1m	1,237,234	6.01	0.00		< HS	accept
Notes											

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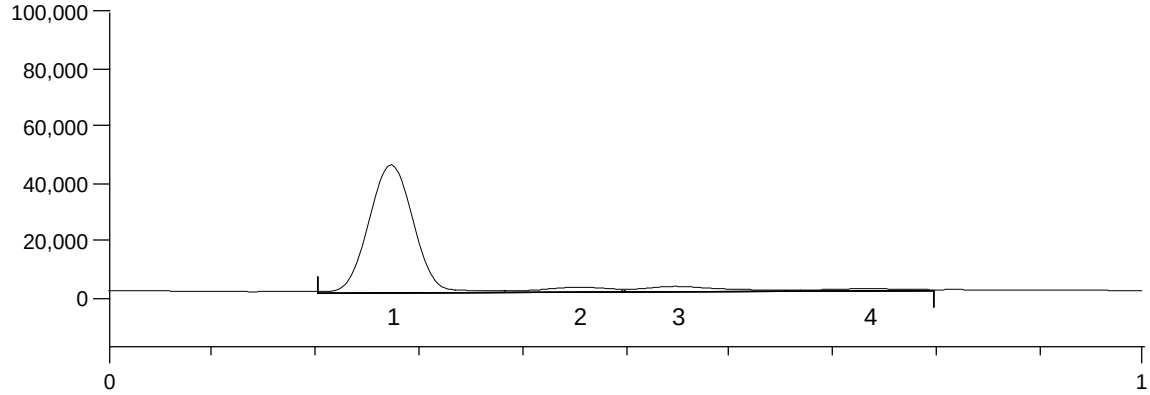
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

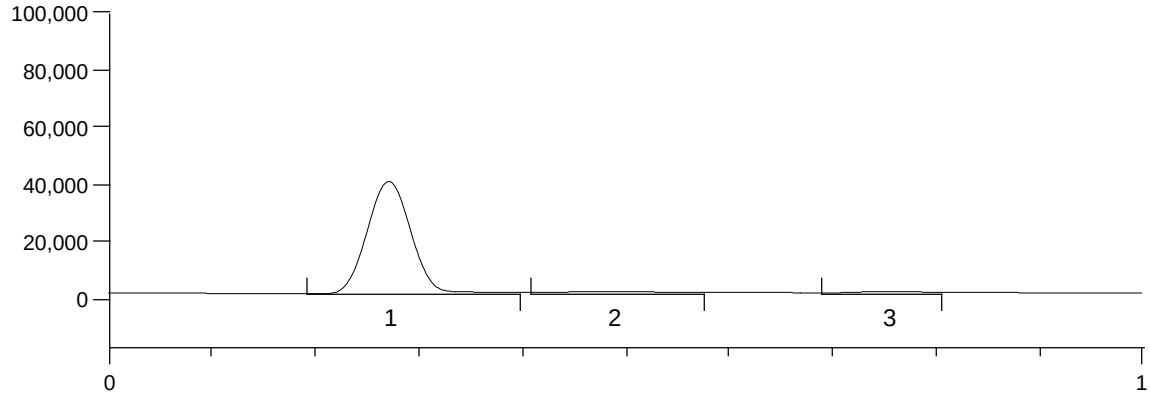
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 3:11 PM

Peak	rt	Area
1	0.27	1,300,116
2	0.45	49,496
3	0.54	62,828
4	0.73	15,845

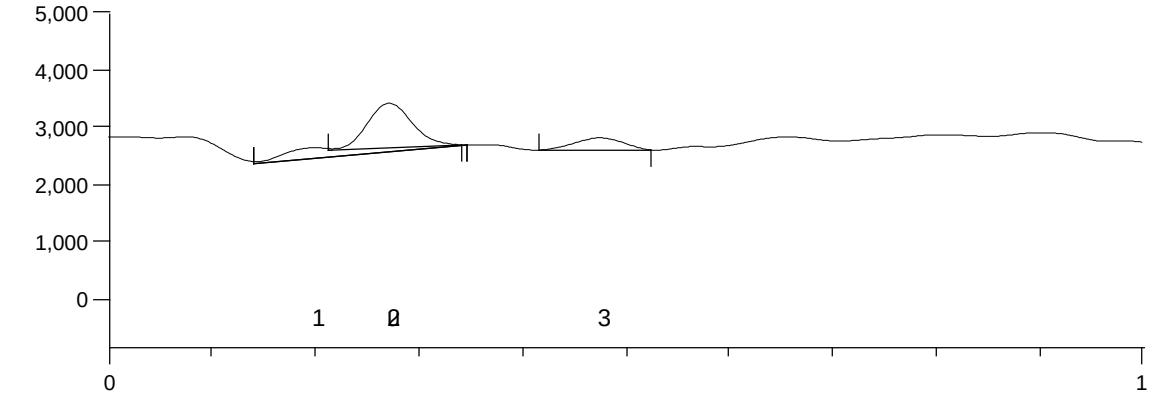
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
49		S	B140301-MSD3		1	1,300,116	6.32	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 3:15 PM

Peak	rt	Area
1	0.27	1,135,451
2	0.48	13,553
3	0.75	11,380

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
50		OPR	SEQ-CCV		1	1,135,451	5.50		110.	80-120	accept
Notes											



Date: 3/4/14
Time: 3:19 PM

Peak	rt	Area
1	0.20	4,785
2	0.27	27,935
3	0.47	6,863
u	0.27	22,805

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
51		CCB	SEQ-CCB		u	22,805	0.114		0.114	< 0.4	accept
Notes											

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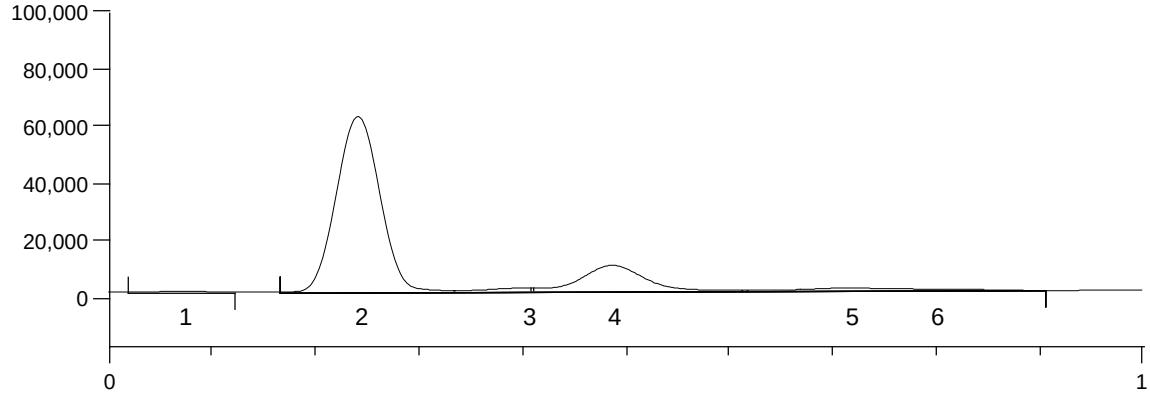
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

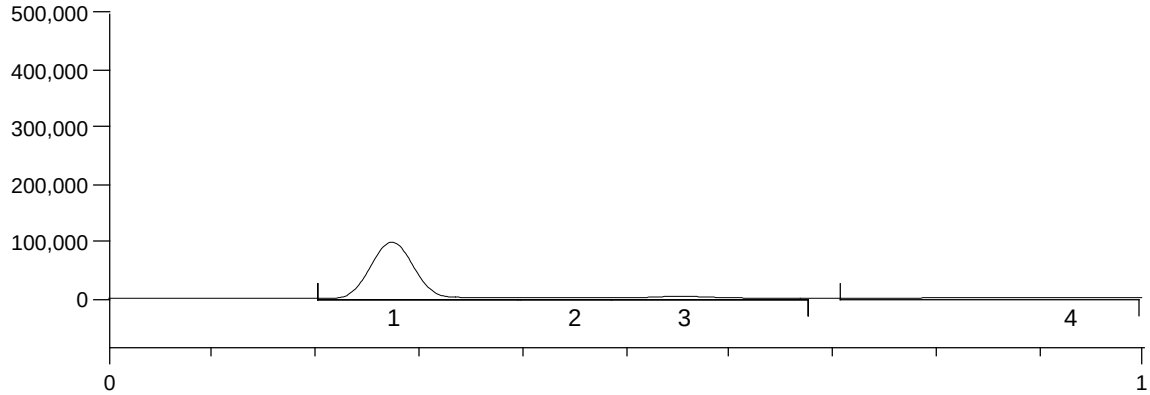
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 3:23 PM

Peak	rt	Area
1	0.07	5,921
2	0.24	1,784,211
3	0.40	35,592
4	0.48	387,590
5	0.71	67,105
6	0.80	24,980

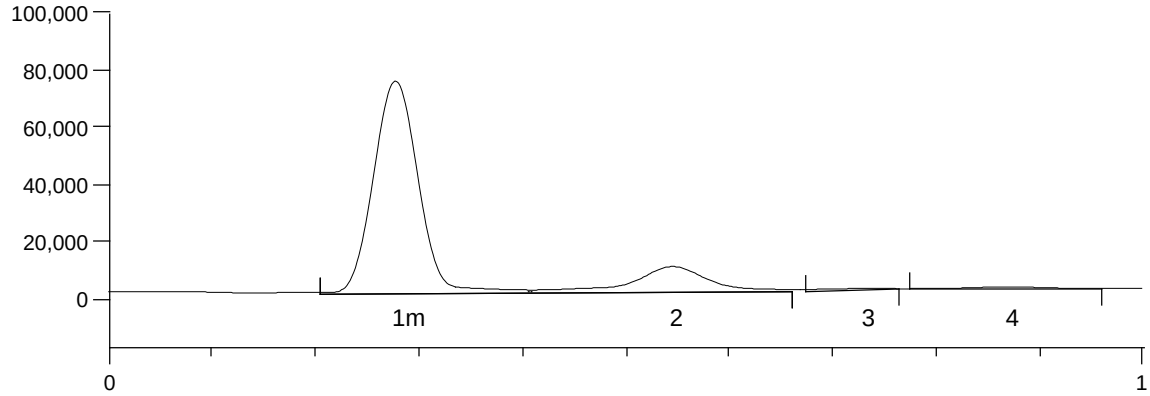
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
52		S	1408020-21		2	1,784,211	8.75	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 3:27 PM

Peak	rt	Area
1	0.27	2,911,709
2	0.44	49,432
3	0.55	150,526
4	0.92	42,622

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
53		S	1408020-22		1	2,911,709	14.4	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 3:43 PM

Peak	rt	Area
1m	0.27	2,184,258
2	0.54	370,804
3	0.73	4,745
4	0.87	26,318

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
54		S	1408020-23		1m	2,184,258	10.8	0.00		< HS	accept
Notes											

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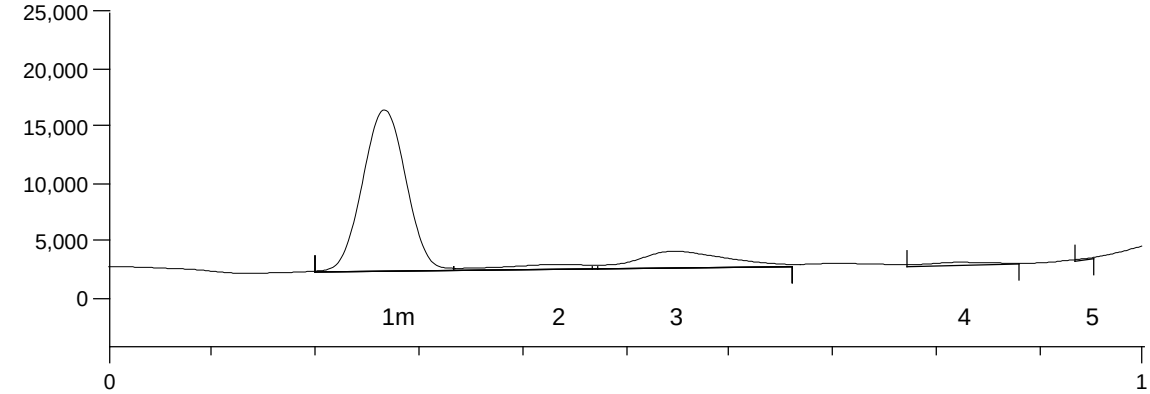
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

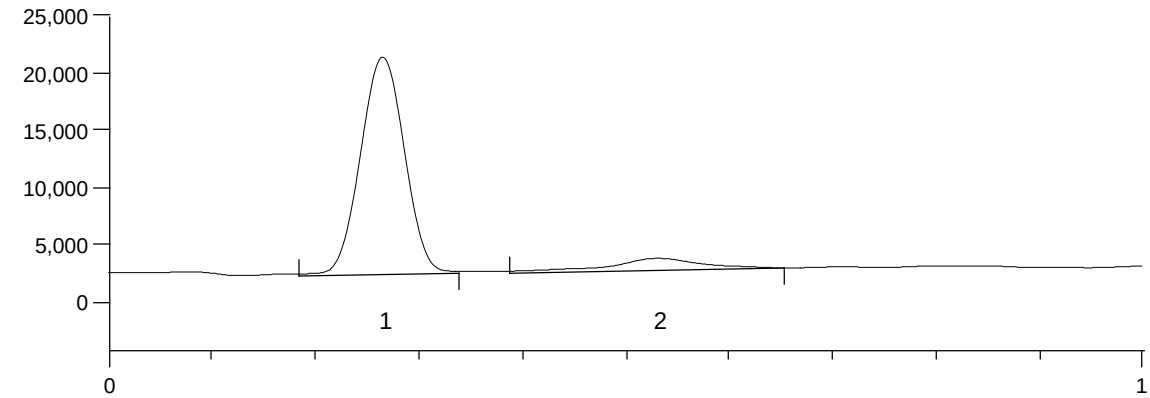
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 3:47 PM

Peak	rt	Area
1m	0.26	403,797
2	0.43	13,907
3	0.54	70,088
4	0.82	5,156
5	0.94	-111

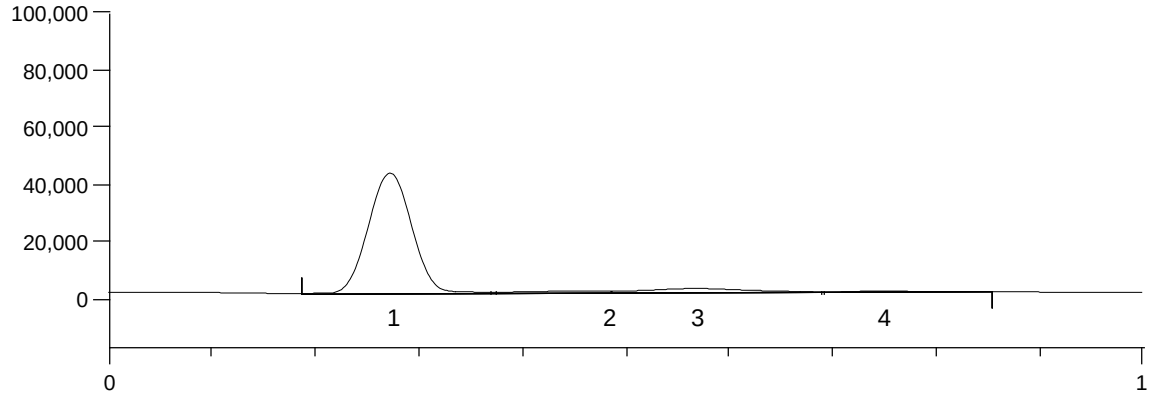
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
55		S	1408020-24		1m	403,797	1.83	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 3:51 PM

Peak	rt	Area
1	0.26	549,361
2	0.53	53,871

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
56		S	1408032-01		1	549,361	2.56	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 3:55 PM

Peak	rt	Area
1	0.27	1,224,006
2	0.48	35,223
3	0.56	98,163
4	0.74	17,955

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
57		S	1409004-01		1	1,224,006	5.94	0.00		< HS	accept
Notes											

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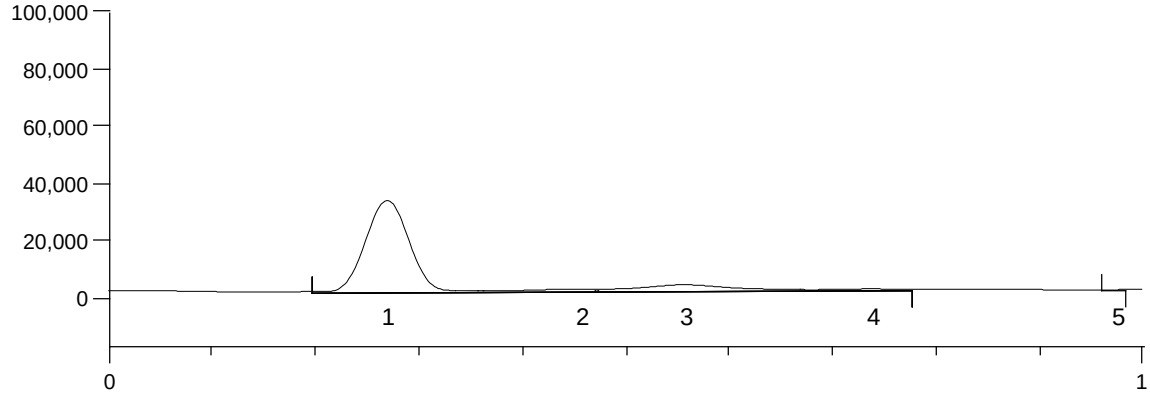
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

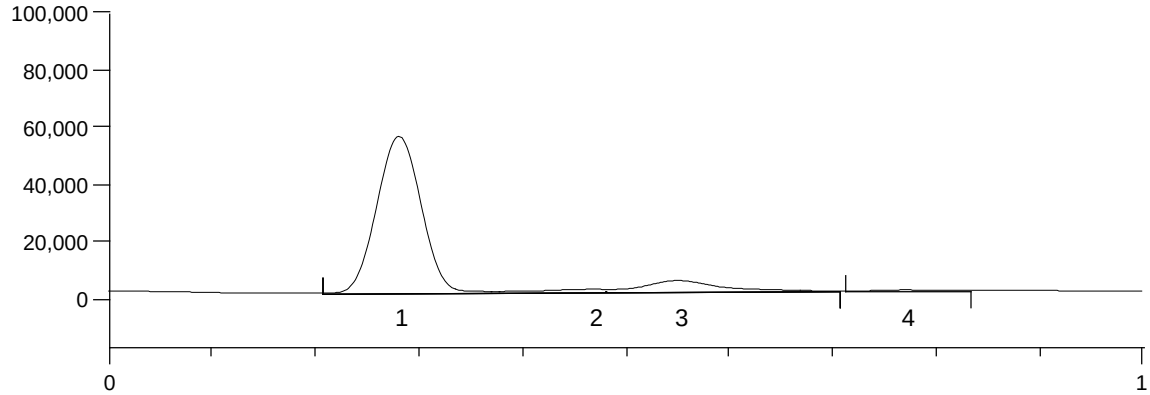
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 3:59 PM

Peak	rt	Area
1	0.26	914,408
2	0.45	20,559
3	0.55	107,061
4	0.73	6,787
5	0.97	-13

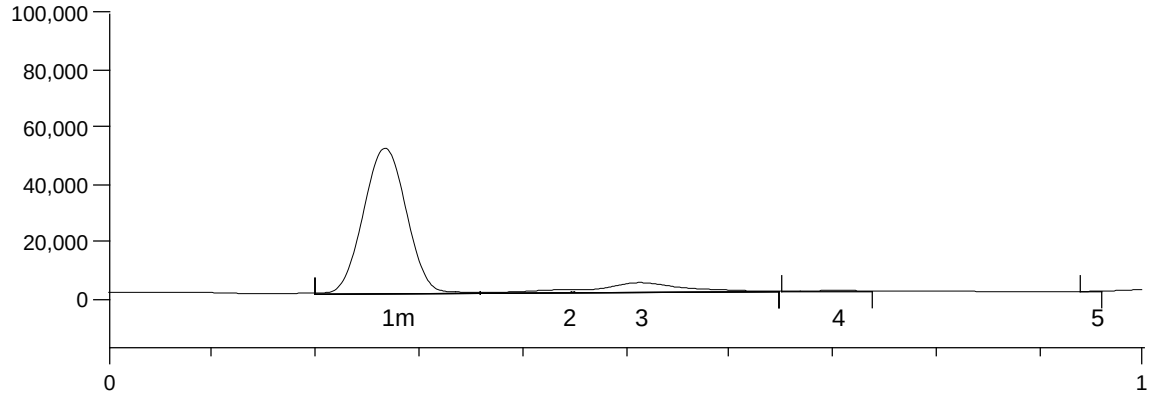
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
58		S	1409005-01		1	914,408	4.39	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 4:03 PM

Peak	rt	Area
1	0.28	1,622,082
2	0.46	39,977
3	0.55	196,296
4	0.77	9,687

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
59		S	1409011-01		1	1,622,082	7.94	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 4:06 PM

Peak	rt	Area
1m	0.26	1,445,206
2	0.44	21,451
3	0.51	152,924
4	0.70	4,161
5	0.95	-63

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
60		S	1409012-01		1m	1,445,206	7.05	0.00		< HS	accept
Notes											

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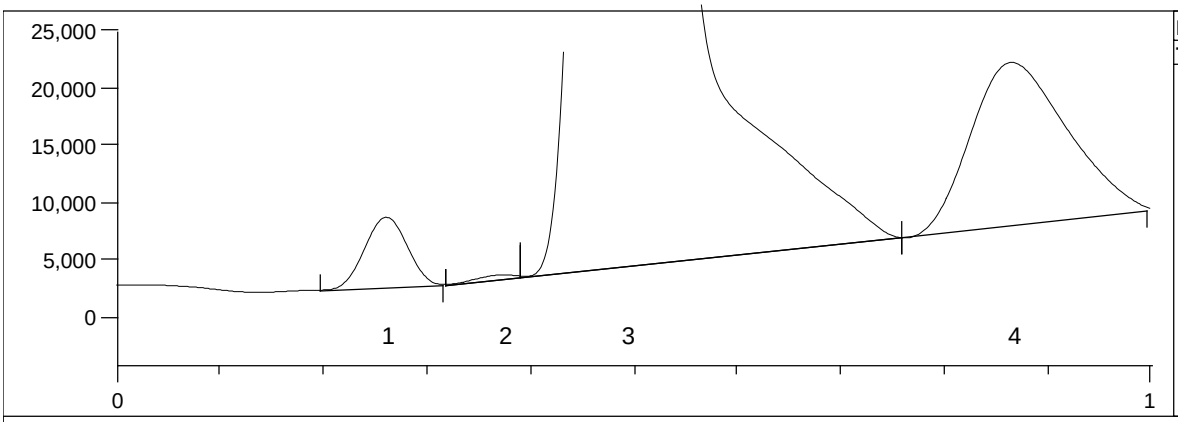
Peak Report

Batch Number: B140301
Method Number: BR-0021

Project Number(s): 1400175
Instrument ID: HGAA2

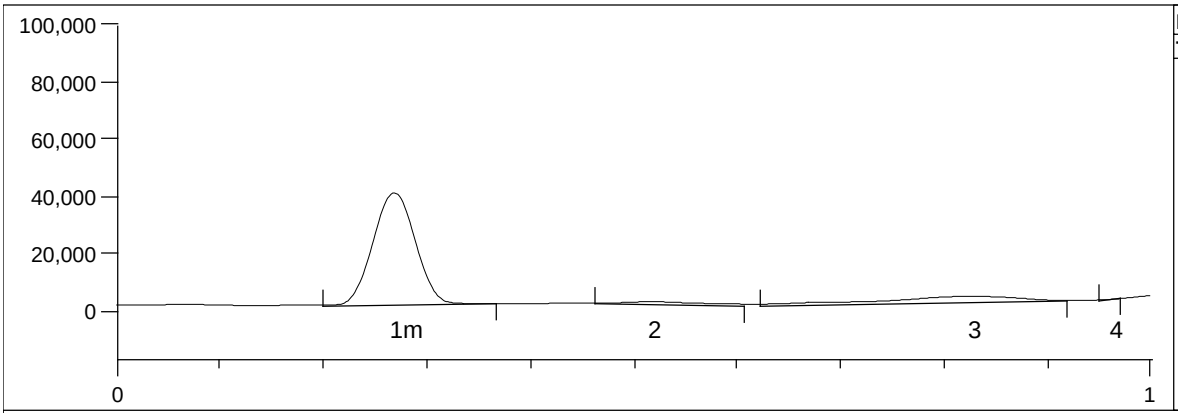
Date Analyzed: 3/4/14
Analyst Name: IRJ



Date: 3/4/14
Time: 4:10 PM

Peak	rt	Area
1	0.26	174,619
2	0.37	9,161
3	0.49	13,554,911
4	0.86	926,166

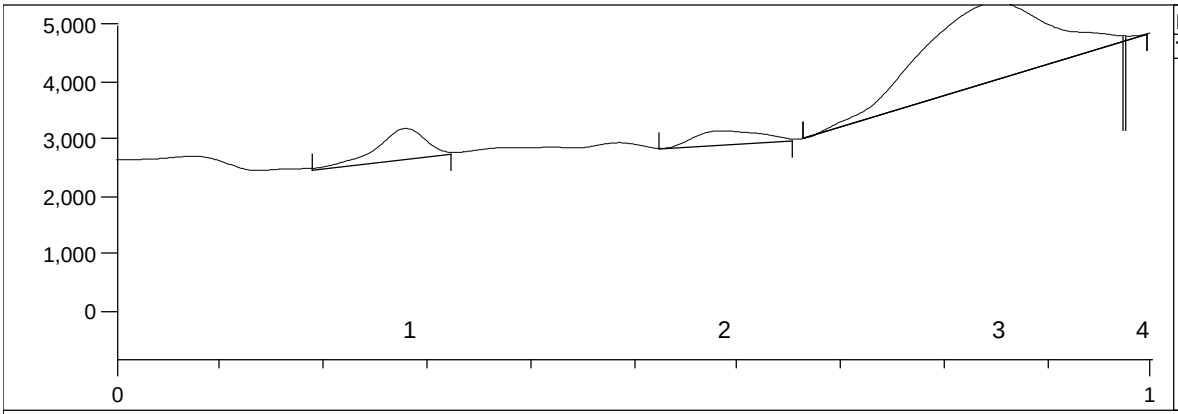
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
61		S	1409034-01		1	174,619	0.686	0.00		< HS	accept
Notes											



Date: 3/4/14
Time: 4:14 PM

Peak	rt	Area
1m	0.26	1,104,577
2	0.51	21,988
3	0.82	147,870
4	0.96	-330

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
62		OPR	SEQ-CCV		1m	1,104,577	5.34		107	80-120	accept
Notes											



Date: 3/4/14
Time: 4:18 PM

Peak	rt	Area
1	0.28	15,973
2	0.58	10,281
3	0.85	120,909
4	0.99	285

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
63		CCB	SEQ-CCB		1	15,973	0.0800		0.0800	< 0.4	accept
Notes											

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ANALYSIS SEQUENCE

1400179

Brooks Rand Labs

Instrument: THG-11

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400179-IBL1	1400179	QC	1		-			
1400179-IBL2	1400179	QC	2		-			
1400179-IBL3	1400179	QC	3		-			
1400179-IBL4	1400179	QC	4		-			
1400179-CAL1	1400179	QC	5	1407002	-			
1400179-CAL2	1400179	QC	6	1407003	-			
1400179-CAL3	1400179	QC	7	1407004	-			
1400179-CAL4	1400179	QC	8	1407005	-			
1400179-CAL5	1400179	QC	9	1407006	-			
1400179-CAL6	1400179	QC	10	1407007	-			
1400179-ICV1	1400179	QC	11	1407008	-			
1400179-CCB1	1400179	QC	12		-			
1400179-CCV1	1400179	QC	13	1407009	-			
1400179-CCB2	1400179	QC	14		-			
1400179-CCB3	1400179	QC	15		-			
1400179-CCB4	1400179	QC	16		-			
B140299-BLK1	B140299	QC	17		-			
B140299-BLK2	B140299	QC	18		-			
B140299-BLK3	B140299	QC	19		-			
B140299-BLK4	B140299	QC	20		-			
B140299-SRM1	B140299	QC	21		-			
B140299-SRM2	B140299	QC	22		-			
1408020-01	B140299	Hg-B-70:30-MERX-CVAFS	23			ARD-MV1302	3/14/2014	
B140299-MS1	B140299	QC	24		1408020-01			
B140299-MSD1	B140299	QC	25		1408020-01			
1408020-02	B140299	Hg-B-70:30-MERX-CVAFS	26			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400179

Brooks Rand Labs

Instrument: THG-11

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400179-CCV2	1400179	QC	27	1407009	-			
1400179-CCB5	1400179	QC	28		-			
1408020-03	B140299	Hg-B-70:30-MERX-CVAFS	29			ARD-MV1302	3/14/2014	
1408020-04	B140299	Hg-B-70:30-MERX-CVAFS	30			ARD-MV1302	3/14/2014	
1408020-05	B140299	Hg-B-70:30-MERX-CVAFS	31			ARD-MV1302	3/14/2014	
1408020-06	B140299	Hg-B-70:30-MERX-CVAFS	32			ARD-MV1302	3/14/2014	
1408020-07	B140299	Hg-B-70:30-MERX-CVAFS	33			ARD-MV1302	3/14/2014	
1408020-08	B140299	Hg-B-70:30-MERX-CVAFS	34			ARD-MV1302	3/14/2014	
1408020-09	B140299	Hg-B-70:30-MERX-CVAFS	35			ARD-MV1302	3/14/2014	
1408020-10	B140299	Hg-B-70:30-MERX-CVAFS	36			ARD-MV1302	3/14/2014	
B140299-DUP2	B140299	QC	37		1408020-10			
B140299-MS2	B140299	QC	38		1408020-10			
1400179-CCV3	1400179	QC	39	1407009	-			
1400179-CCB6	1400179	QC	40		-			
B140299-MSD2	B140299	QC	41		1408020-10			
1408020-11	B140299	Hg-B-70:30-MERX-CVAFS	42			ARD-MV1302	3/14/2014	
1408020-12	B140299	Hg-B-70:30-MERX-CVAFS	43			ARD-MV1302	3/14/2014	
1408020-13	B140299	Hg-B-70:30-MERX-CVAFS	44			ARD-MV1302	3/14/2014	
1408020-14	B140299	Hg-B-70:30-MERX-CVAFS	45			ARD-MV1302	3/14/2014	
1408020-15	B140299	Hg-B-70:30-MERX-CVAFS	46			ARD-MV1302	3/14/2014	
1408020-16	B140299	Hg-B-70:30-MERX-CVAFS	47			ARD-MV1302	3/14/2014	
1408020-17	B140299	Hg-B-70:30-MERX-CVAFS	48			ARD-MV1302	3/14/2014	
1408020-18	B140299	Hg-B-70:30-MERX-CVAFS	49			ARD-MV1302	3/14/2014	
1408020-19	B140299	Hg-B-70:30-MERX-CVAFS	50			ARD-MV1302	3/14/2014	
1400179-CCV4	1400179	QC	51	1407009	-			
1400179-CCB7	1400179	QC	52		-			

ANALYSIS SEQUENCE

1400179

Brooks Rand Labs

Instrument: THG-11

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-20	B140299	Hg-B-70:30-MERX-CVAFS	53			ARD-MV1302	3/14/2014	
B140299-DUP3	B140299	QC	54		1408020-20			
B140299-MS3	B140299	QC	55		1408020-20			
B140299-MSD3	B140299	QC	56		1408020-20			
1408020-21	B140299	Hg-B-70:30-MERX-CVAFS	57			ARD-MV1302	3/14/2014	
1408020-22	B140299	Hg-B-70:30-MERX-CVAFS	58			ARD-MV1302	3/14/2014	
1408020-23	B140299	Hg-B-70:30-MERX-CVAFS	59			ARD-MV1302	3/14/2014	
1408020-24	B140299	Hg-B-70:30-MERX-CVAFS	60			ARD-MV1302	3/14/2014	
1400179-CCV5	1400179	QC	61	1407009	-			
1400179-CCB8	1400179	QC	62		-			
B140196-BLK1	B140196	QC	63		-			
B140196-BLK2	B140196	QC	64		-			
B140196-BLK3	B140196	QC	65		-			
B140196-BLK4	B140196	QC	66		-			
B140196-SRM1	B140196	QC	67		-			
1406028-01	B140196	Hg-S-CoalAR-MERX-CVAFS	68			REC-RT1401	2/28/2014	
B140196-DUP1	B140196	QC	69		1406028-01			
B140196-MS1	B140196	QC	70		1406028-01			
B140196-MSD1	B140196	QC	71		1406028-01			
1406028-02	B140196	Hg-S-CoalAR-MERX-CVAFS	72			REC-RT1401	2/28/2014	
1400179-CCV6	1400179	QC	73	1407009	-			
1400179-CCB9	1400179	QC	74		-			
1406028-03	B140196	Hg-S-CoalAR-MERX-CVAFS	75			REC-RT1401	2/28/2014	
1406028-04	B140196	Hg-S-CoalAR-MERX-CVAFS	76			REC-RT1401	2/28/2014	
1406028-05	B140196	Hg-S-CoalAR-MERX-CVAFS	77			REC-RT1401	2/28/2014	
1400179-CCV7	1400179	QC	78	1407009	-			

ANALYSIS SEQUENCE

1400179

Brooks Rand Labs

Instrument: THG-11

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400179-CCBA	1400179	QC	79		-			

SOP(s)/Rev#(s):BR-002 Rev 10e

THg Analysis Benchsheet: THg MERX-T

Sequence: 1400179 Batches: B140299, 196

Analyst: BJ Date: 3/5/14 Instrument ID: TH911

10 ng/mL std ID: 1406030 $SnCl_2$ ID: 1405026

1 ng/mL std ID: 1406031 NH_2OH-HCl ID: 1406026

ICV std ID: 1406032 Balance ID: —

* 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 spike volume
	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	B140299-BLK1	1		
	20	B140299-BLK2	1		
	21	B140299-BLK3	1		
	22	B140299-BLK4	1		
	23	B140299-SRM1	1		
	24	B140299-SRM2	1		

	25	1408020-01 3/5/14	1		
	26	B140299-MS2	1		
	27	B140299-MSD2	1		
	28	1408020-02	1		
	29	SEQ-CCV	0.05		10 ng/mL
	30	SEQ-CCB	--		
	31	1408020-03	1		
	32	1408020-04	1		
	33	1408020-05	1		
	34	1408020-06	1		
	35	1408020-07	1		
	36	1408020-08	1		
	37	1408020-09	1		
	38	1408020-10	1		
	39	B140299-DUP2	1		
	40	B140299-MS2	1		
	41	SEQ-CCV	0.05		10 ng/mL
	42	SEQ-CCB	--		
	43	B140299-MSD2	1		
	44	1408020-11	1		
	45	1408020-12	1		
	46	1408020-13	1		
	47	1408020-14	1		
	48	1408020-15	1		

	49	1408020-16	1		
	50	1408020-17	1		
	51	1408020-18	1		
	52	1408020-19	1		
	53	SEQ-CCV	0.05		10 ng/mL
	54	SEQ-CCB	--		
	55	1408020-20	1		
	56	B140299-DUP3	1		
	57	B140299-MS3	1		
	58	B140299-MSD3	1		
	59	1408020-21	1		
	60	1408020-22	1		
	61	1408020-23	1		
	62	1408020-24	1		
	63	SEQ-CCV	0.05		10 ng/mL
	64	SEQ-CCB	--		
	65	B140196-BLK1	1		
	66	B140196-BLK2	1		
	67	B140196-BLK3	1		
	68	B140196-BLK4	1		
	69	140196-SRM1	1		
	70	1406028-01	0.1		
	71	B140196-DUP1	0.1		
	72	B140196-MS1	0.1		

	73	B140196-MSD1	0.1		
	74	1406028-02	0.1		
	75	SEQ-CCV	0.05		10 ng/mL
	76	SEQ-CCB	--		
	77	1406028-03	0.1		
	78	1406028-04	0.1		
	79	1406028-05	0.1		
	80	SEQ-CCV	0.05		10 ng/mL
	81	SEQ-CCB	--		
	82	RINSE	--		
	83	RINSE	--		
	84	RINSE	--		
	85	RINSE	--		
	86	RINSE	--		
	87	RINSE	--		
	88	1	25		250mL FLDE Lot#14-0034*
	89	2			
	90	3			
	91	4			
	92	5			
	93	6			
	94	7			
	95	8			
	96	9			

*1% BRL1349013

	97	10	25		Same as pg 4
	98	11			
	99	12			
	100	13			
	101	14			
	102	15			
	103	16			
	104	17			
	105	18			
	106	19			
	107	20			
	108	21			
	109	22			
	110	23			
	111	24			
	112	25			
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3/6/14
BJT

Brooks Rand Labs

THg Biota Prep Benchsheet

SOP / Revision #: BR-0002 Rev _____

Prepped By: MR

Batch: B140299

Preparation Start Date/Time*: 3/3/14 / 1235

* Time is when the first reagents are added.

Preparation End Date/Time**: 3/4/14 @ 0845

** Time is when the last sample is brought upto volume

Sample ID	Sample Mass (g)
1408020-01 QC1	1.0991
1408020-02	0.9951
1408020-03	0.9436
1408020-04	0.9959
1408020-05	0.9314
1408020-06	0.9435
1408020-07	0.9600
1408020-08	1.0177
1408020-09	0.9328
1408020-10 QC2	0.9247
1408020-11	1.0689
1408020-12	0.9377
1408020-13	0.9863
1408020-14	0.9652
1408020-15	1.0016
1408020-16	0.9117
1408020-17	0.9518
1408020-18	1.0103
1408020-19	0.9892
1408020-20 QC3	0.9828

Sample ID	Sample Mass (g)
1408020-21	0.9871
1408020-22	0.9241
1408020-23	0.9306
1408020-24	0.9412
B140299-BLK1	–
B140299-BLK2	–
B140299-BLK3	–
B140299-BLK4	–
B140299-DUP1 *	0.9494
B140299-~~DUP2~~ MSD2	0.9993
B140299-DUP3	0.9537
B140299-MS1	0.9959
B140299-MS2	1.0207
B140299-MS3	0.9875
B140299-MSD1	1.0387
B140299-~~MSD2~~ DUP2	0.9709
B140299-MSD3	0.9480
B140299-SRM1	0.2063
B140299-SRM2	0.1949
MR 3/3/14	

Sample ID	Sample Mass (g)

MR 3/3/14

Batch QC ID	Sample Source	Spike vol (uL)	Spike conc (ng/mL)	Spike/CRM ID	Spike Witness
DUP/MS/MSD1	1408021-01	1000	10	1406030	3/3/14
DUP/MS/MSD2	-10				
DUP/MS/MSD3	-20				
	MR 3/3/14				
SRM1, 2	DORM-4	–	–	1329003	–

Target Temp/Time 1: 70 C/1 hour

Target Temp/Time 2: 90-100 C/3 hrs

Temp/Time 1 (measured / corrected): 69 / 68.5

Temp/Time 2 (measured / corrected): 90 / 89.5

Balance ID: BL-08

Thermometer ID: 009509

Final Dilution Vol: 40mL

These are correct for all other samples not marked •. FKM 3/7/14

Reagent	ID
7 mL HNO_3	~~1344029~~ MR 3/3/14
3 mL H_2SO_4	~~1350078~~
0.5 mL BrCl	1349013

7mL HNO_3 1350078

3mL H_2SO_4 1344029

Comments: Sample aliquots raised on 02-27-14 by IRJ then stored in walk-in freezer until prep date.

* Accidentally spiked. Will not analyze! OK by PM.

• 7mL of H_2SO_4 and 3 mL HNO_3 was added to the sample

Sample Characteristics Log (Biota)

(BR-0106 Rev 004)

Prep Technician: IRJ **Date:** 02-27-14

Batch(es): B140299 → 304

Sample ID	Matrix/Submatrix	Physical Characteristics
1408020-01	Biota/ Octopus	slimy white/pink tissue ; small black sinew/specks
-02		; more black sinew/specks
-03		
-04		
-05		black sinew pieces
-06		
-07		
-08		
-09	/Sea Cucumber	white/black lumpy tissue (like cheese curds)
-10		
-11		
-12		
-13		
-14		
-15		
-16		
-17	/Limu (Seaweed)	① red/brown stringy wet plants
-18		② brown strands ; sand bits, rocks/shells
-19		①
-20		
-21		②
-22		
-23		
-24		①

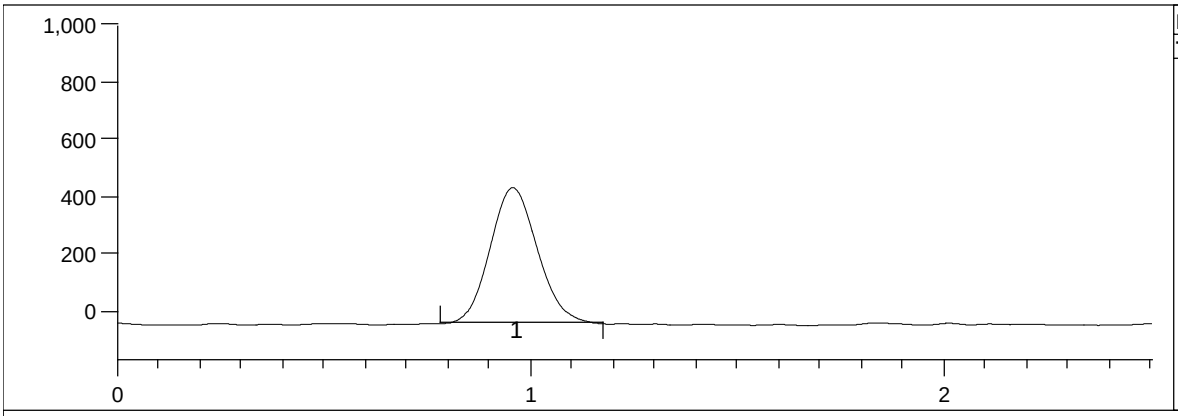
Additional Notes:

Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

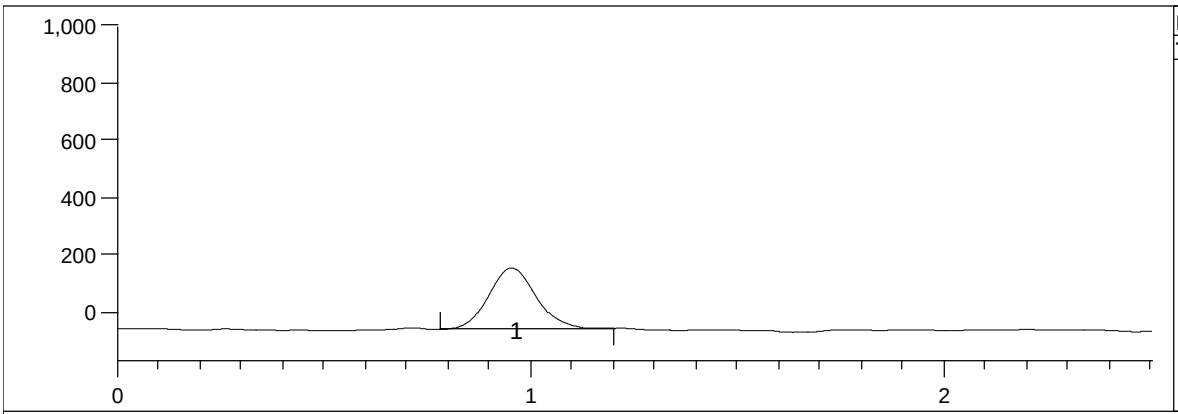


Date: 3/5/14
Time: 10:04 AM

Peak	rt	Area
1	0.95	38,655

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1	X	S	RINSE		1	38,655	2.04	0.00		< HS	accept

Notes

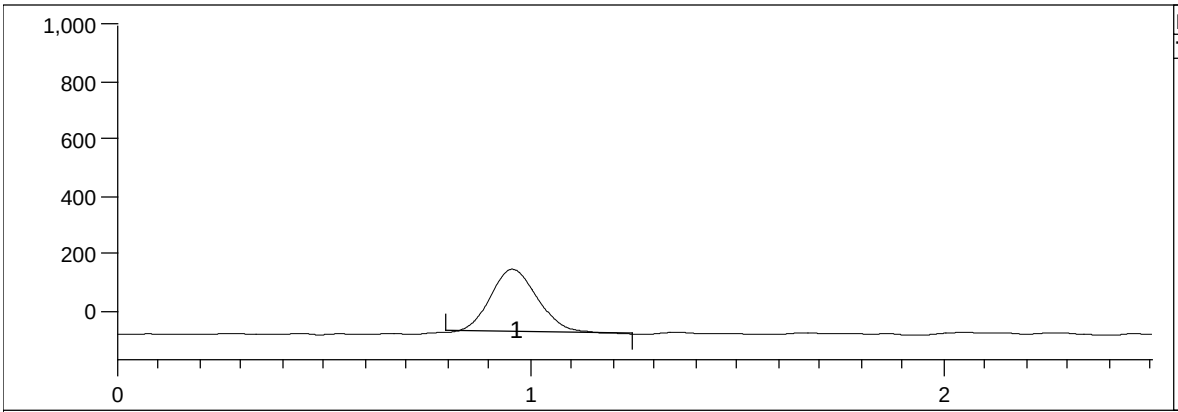


Date: 3/5/14
Time: 10:11 AM

Peak	rt	Area
1	0.95	17,497

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2	Y	S	RINSE		1	17,497	0.0570	0.00		< HS	accept

Notes



Date: 3/5/14
Time: 10:18 AM

Peak	rt	Area
1	0.95	18,526

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3	X	IBL	SEQ-IBL1		1	18,526	1.74		1.74	< 10	accept

Notes

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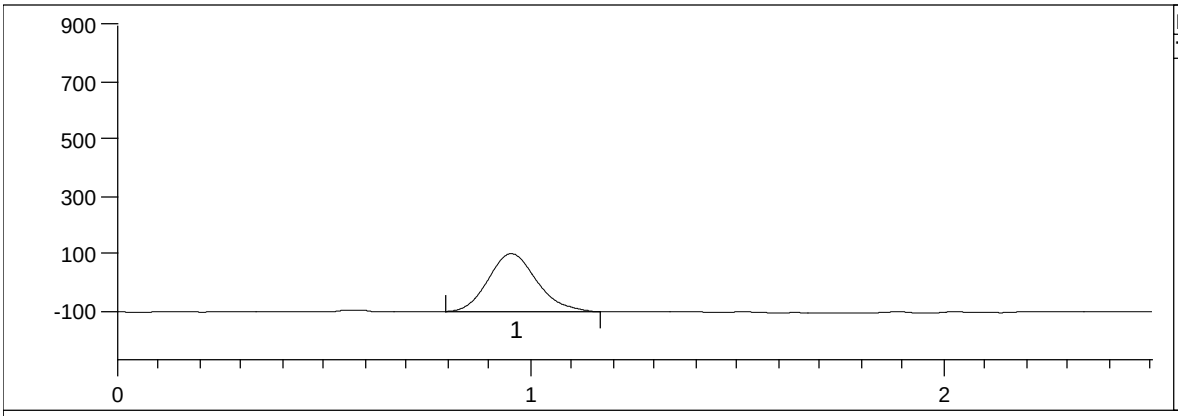
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

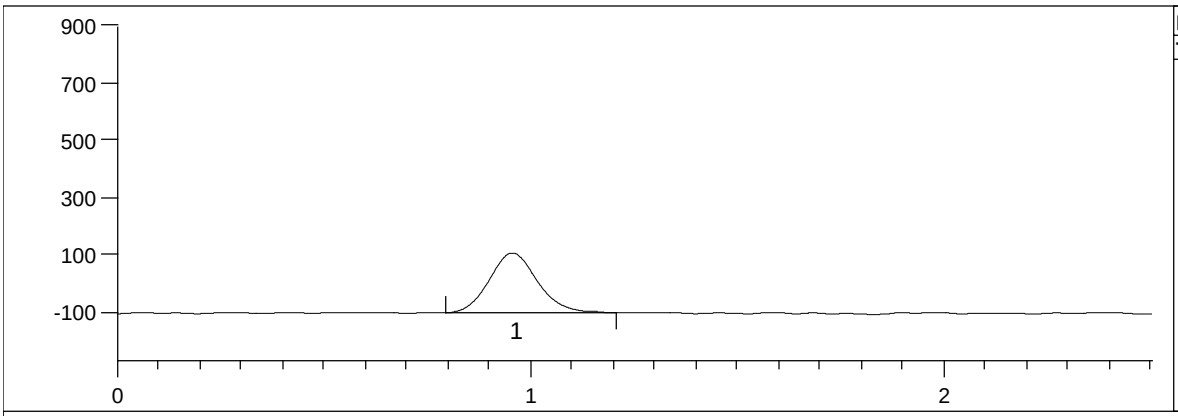


Date: 3/5/14
Time: 10:25 AM

Peak	rt	Area
1	0.95	16,547

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4	Y	IBL	SEQ-IBL2		1	16,547	1.55		1.55	< 10	accept

Notes

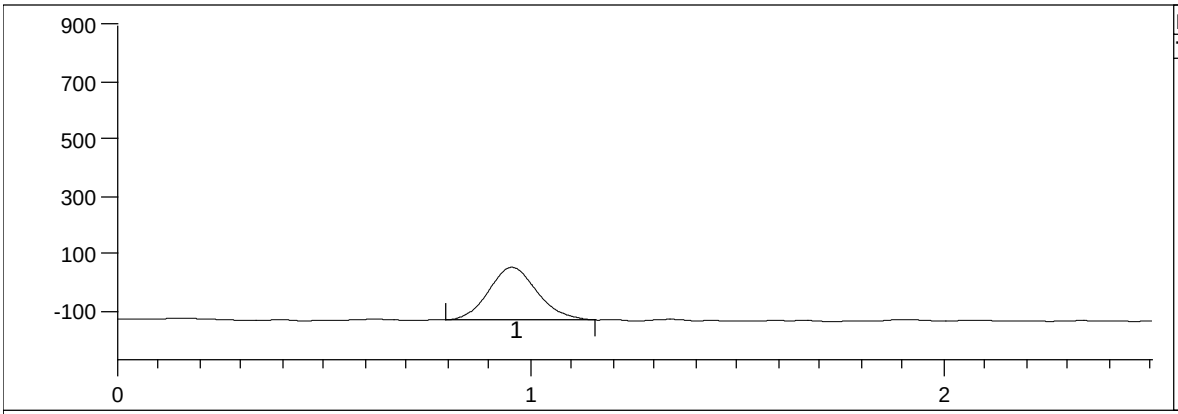


Date: 3/5/14
Time: 10:32 AM

Peak	rt	Area
1	0.95	17,168

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5	X	IBL	SEQ-IBL3		1	17,168	1.61		1.61	< 10	accept

Notes



Date: 3/5/14
Time: 10:39 AM

Peak	rt	Area
1	0.95	15,315

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6	Y	IBL	SEQ-IBL4		1	15,315	1.44		1.44	< 10	accept

Notes

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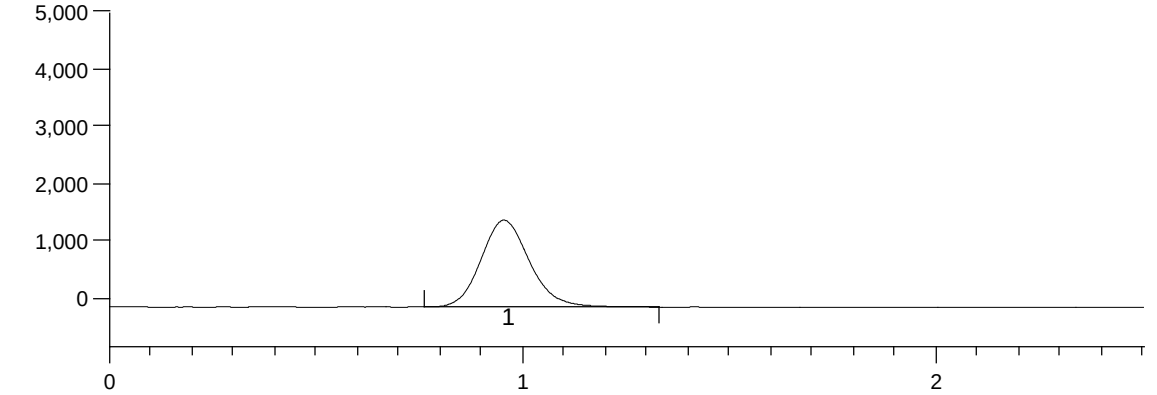
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

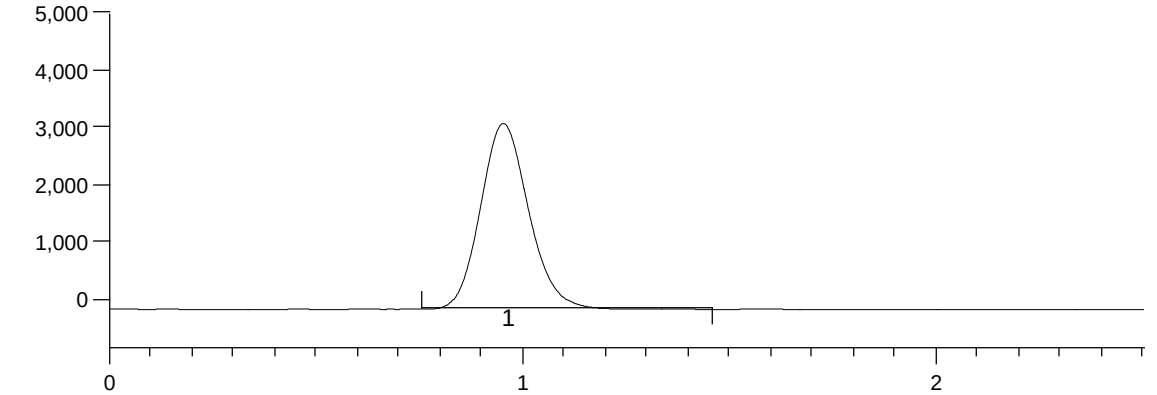


Date: 3/5/14
Time: 10:46 AM

Peak	rt	Area
1	0.95	126,576

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7	X	STD	SEQ-CAL1		1	126,576	10.3		103	75-125	accept

Notes

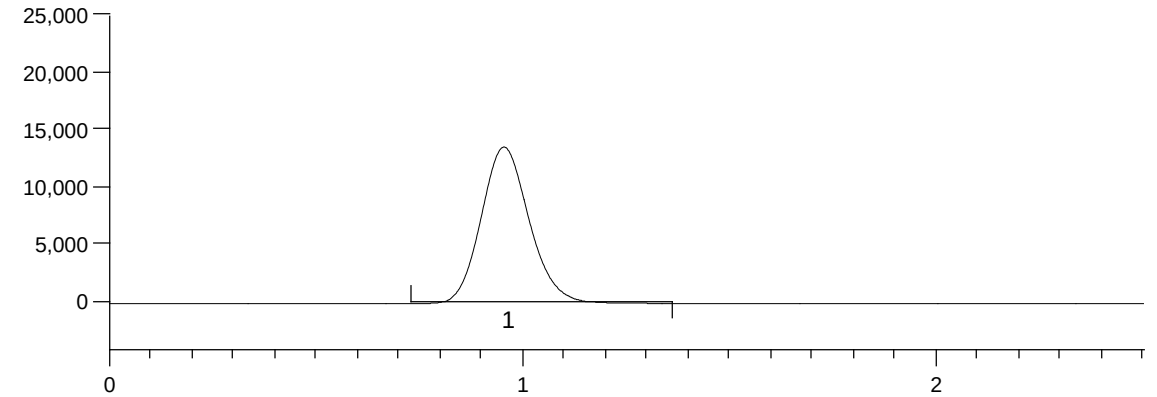


Date: 3/5/14
Time: 10:53 AM

Peak	rt	Area
1	0.95	266,299

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8	Y	STD	SEQ-CAL2		1	266,299	23.4		93.5	75-125	accept

Notes



Date: 3/5/14
Time: 11:00 AM

Peak	rt	Area
1	0.95	1,124,068

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9	X	STD	SEQ-CAL3		1	1,124,068	104		104	75-125	accept

Notes

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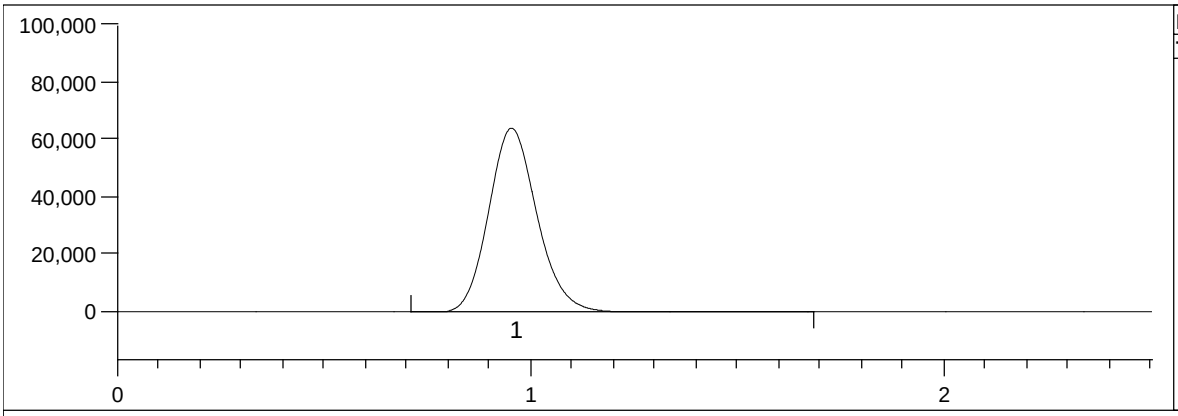
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

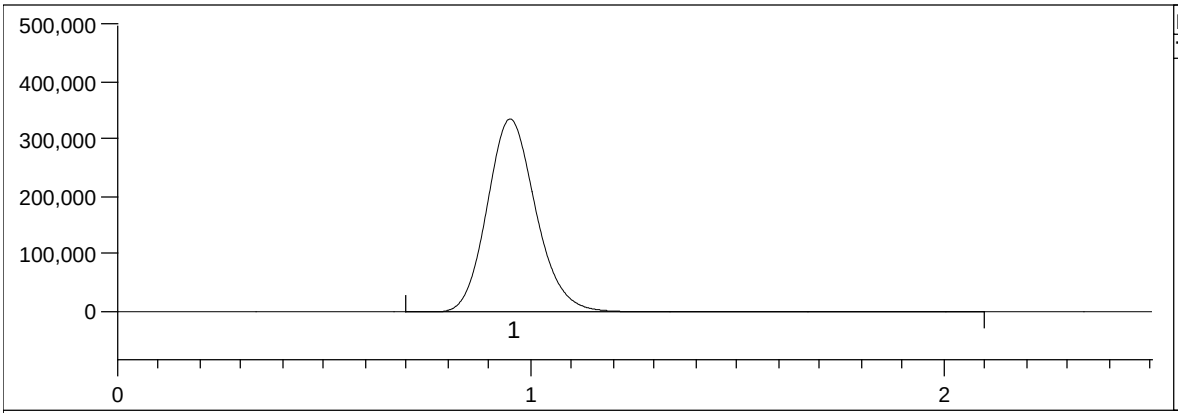


Date: 3/5/14
Time: 11:07 AM

Peak	rt	Area
1	0.95	5,284,681

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10	Y	STD	SEQ-CAL4		1	5,284,681	494		98.7	75-125	accept

Notes

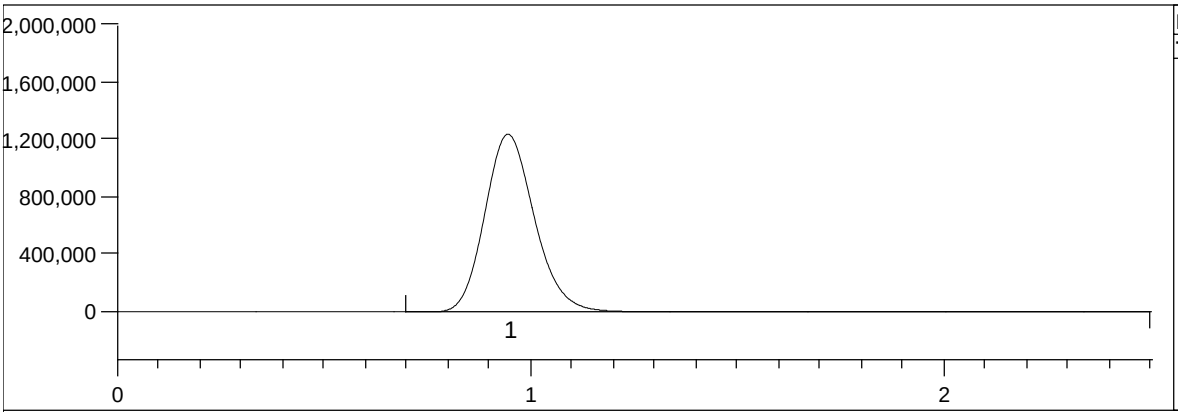


Date: 3/5/14
Time: 11:14 AM

Peak	rt	Area
1	0.94	27,805,321

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11	X	STD	SEQ-CAL5		1	27,805,321	2,600		104	75-125	accept

Notes



Date: 3/5/14
Time: 11:21 AM

Peak	rt	Area
1	0.94	104,501,654

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12	Y	STD	SEQ-CAL6		1	104,501,654	9,790		97.9	75-125	accept

Notes

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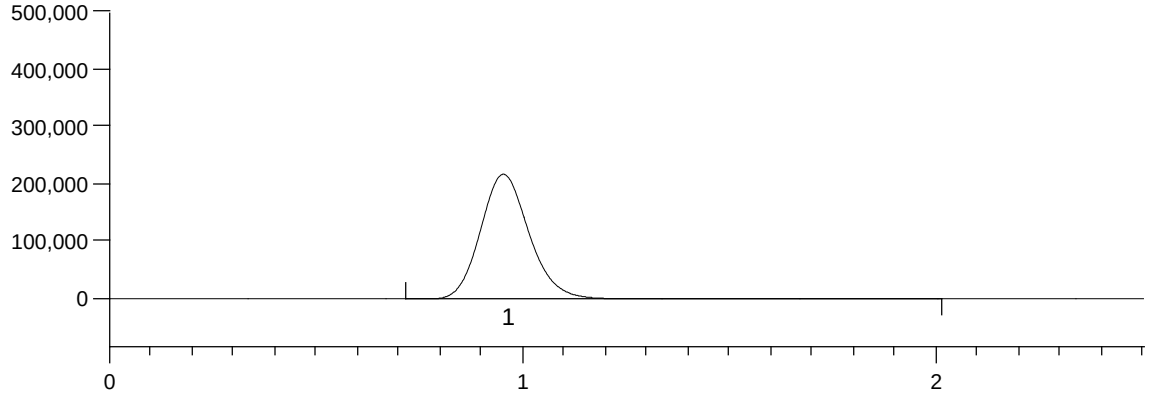
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

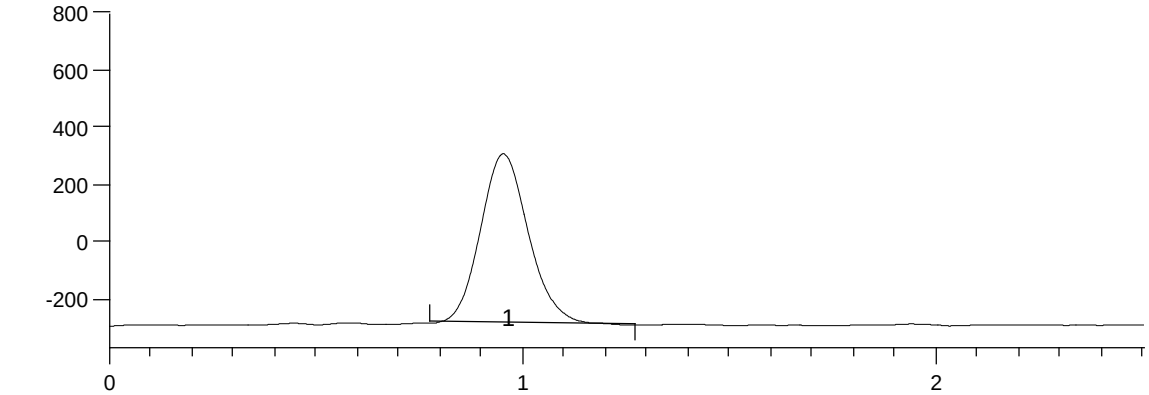
Project Number(s): 1400179 **Date Analyzed:** 3/5/14
Instrument ID: THG-11 **Analyst Name:** BJT



Date: 3/5/14
Time: 11:28 AM

Peak	rt	Area
1	0.95	17,989,009

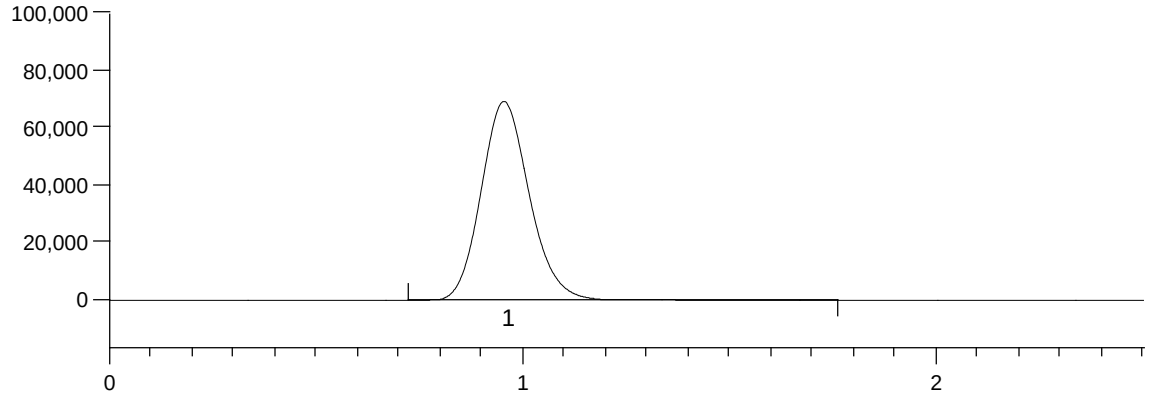
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
13	X	ICV	SEQ-ICV1		1	17,989,009	1,680		107	85-115	accept
Notes											



Date: 3/5/14
Time: 11:35 AM

Peak	rt	Area
1	0.95	48,712

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
14	Y	CCB	SEQ-CCB		1	48,712	4.57		4.57	< 10	accept
Notes											



Date: 3/5/14
Time: 11:42 AM

Peak	rt	Area
1	0.95	5,715,813

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
15	X	CCV	SEQ-CCV		1	5,715,813	534		107	77-123	accept
Notes											

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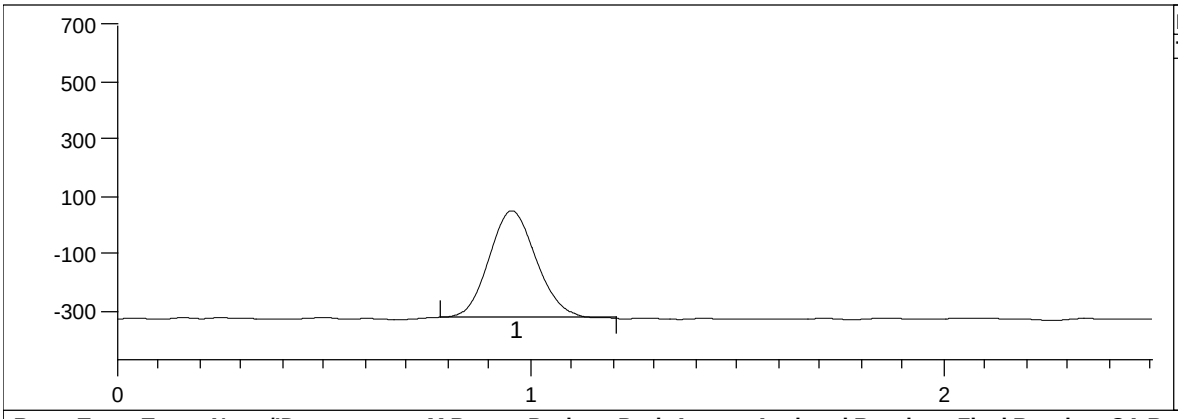
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

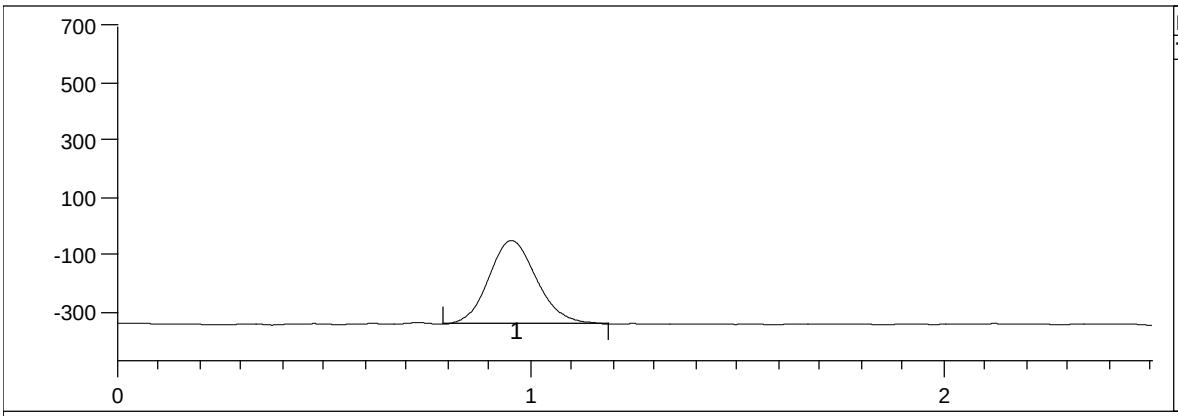


Date: 3/5/14
Time: 11:49 AM

Peak	rt	Area
1	0.95	30,288

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16	Y	CCB	SEQ-CCB		1	30,288	2.84		2.84	< 10	accept

Notes

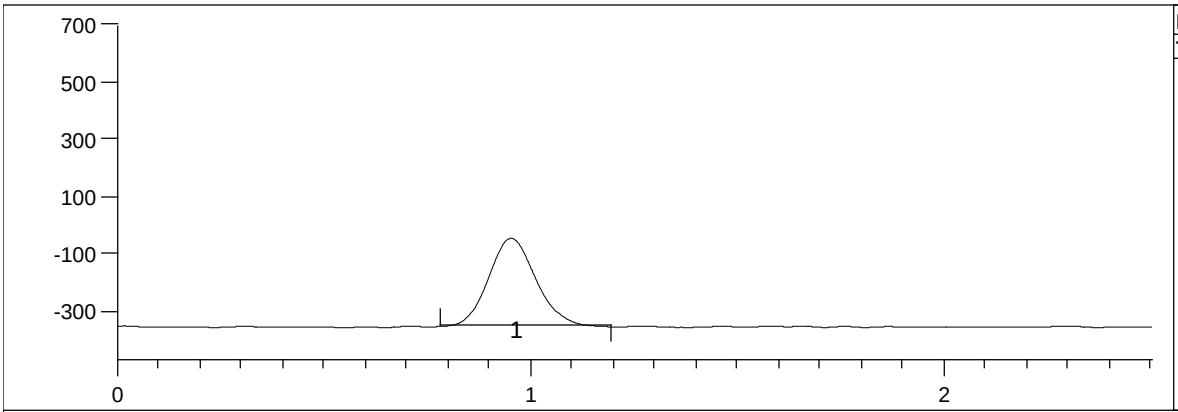


Date: 3/5/14
Time: 11:56 AM

Peak	rt	Area
1	0.95	23,963

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17	X	CCB	SEQ-CCB		1	23,963	2.25		2.25	< 10	accept

Notes



Date: 3/5/14
Time: 12:03 PM

Peak	rt	Area
1	0.95	25,036

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18	Y	CCB	SEQ-CCB		1	25,036	2.35		2.35	< 10	accept

Notes

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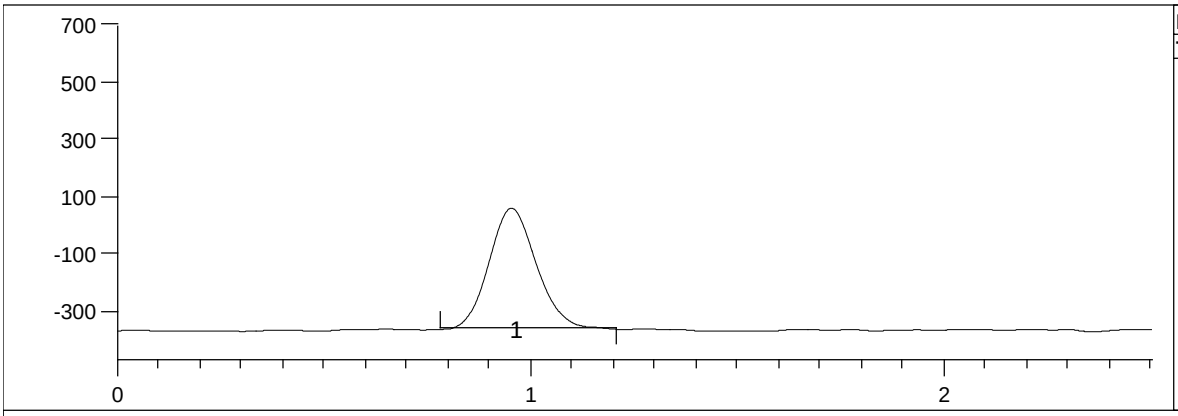
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

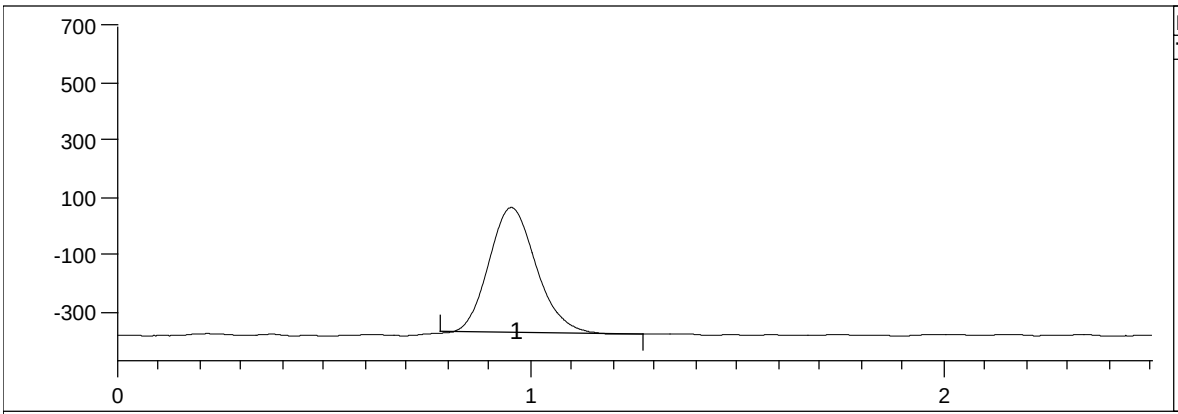
Date Analyzed: 3/5/14
Analyst Name: BJT



Date: 3/5/14
Time: 12:10 PM

Peak	rt	Area
1	0.95	34,562

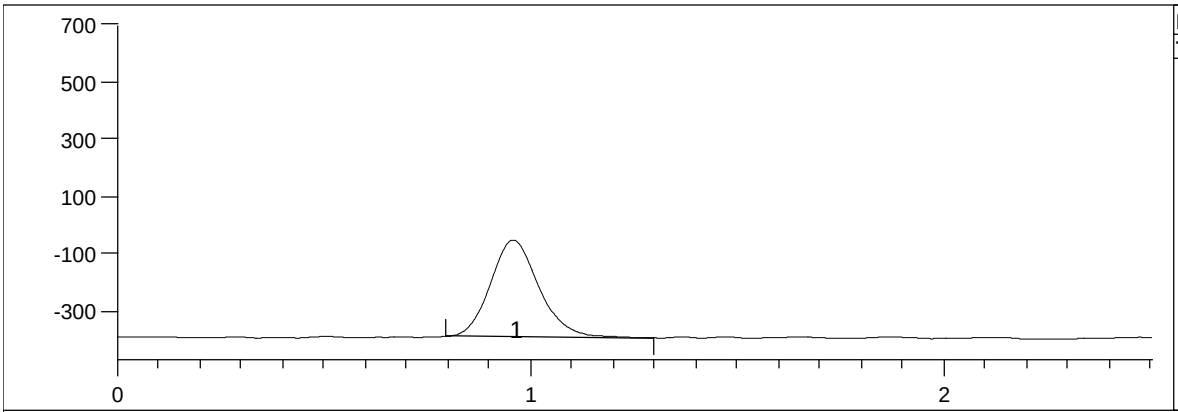
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
19	X	S	B140299-BLK1		1	34,562	1.66	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 12:17 PM

Peak	rt	Area
1	0.95	35,638

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
20	Y	S	B140299-BLK2		1	35,638	1.76	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 12:24 PM

Peak	rt	Area
1	0.95	27,919

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
21	X	S	B140299-BLK3		1	27,919	1.03	0.00		< HS	accept
Notes											

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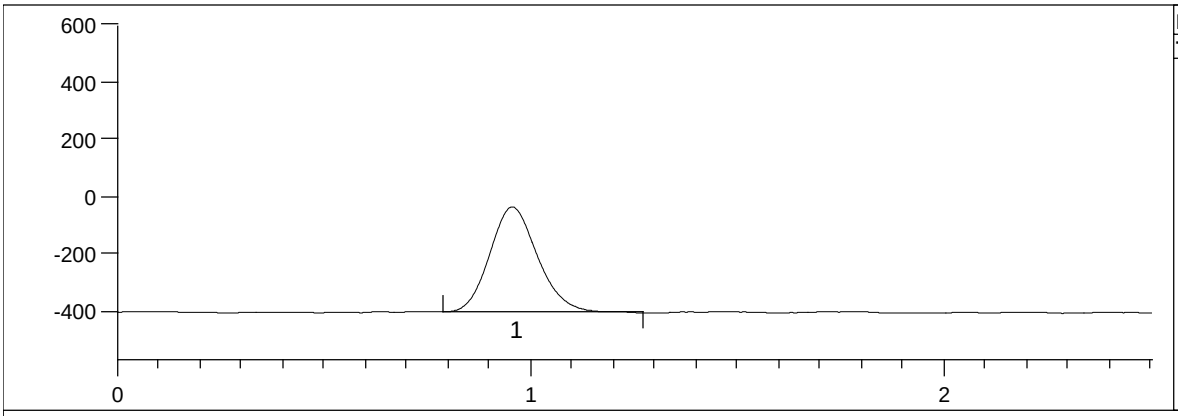
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

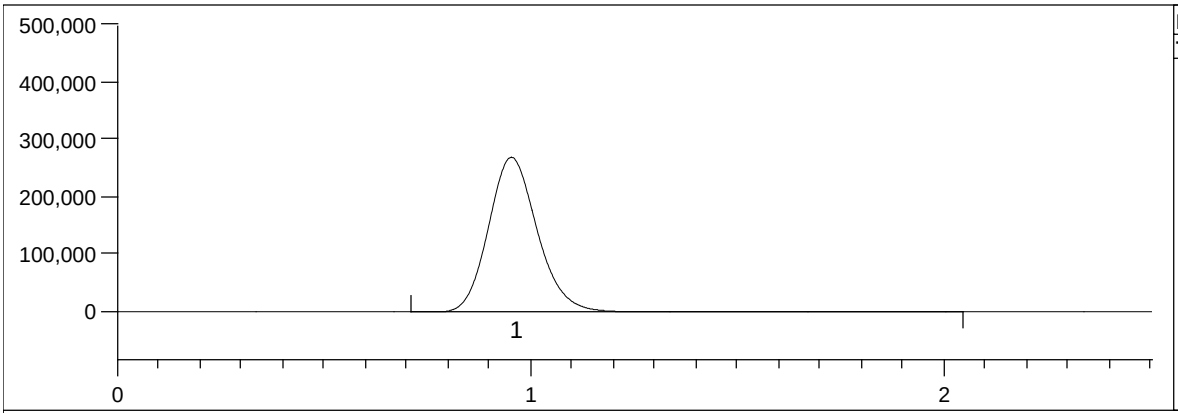
Date Analyzed: 3/5/14
Analyst Name: BJT



Date: 3/5/14
Time: 12:31 PM

Peak	rt	Area
1	0.95	30,109

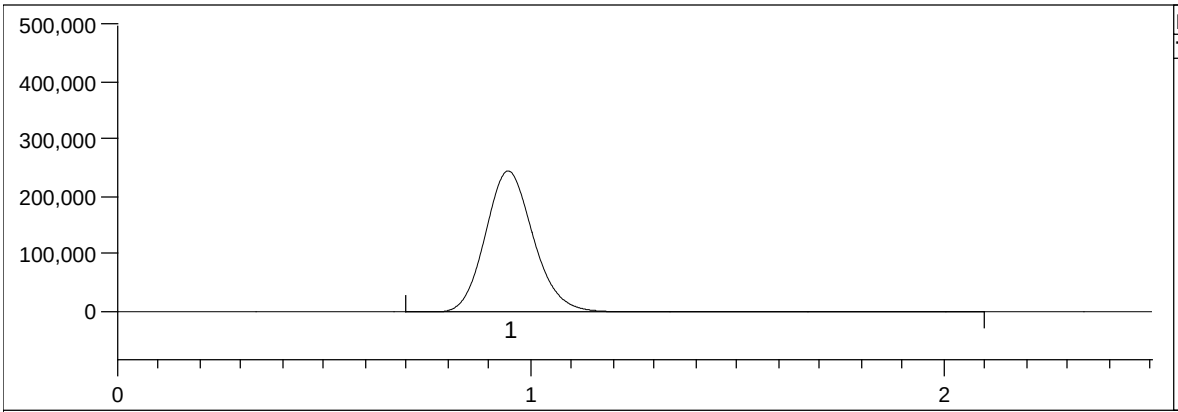
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
22	Y	S	B140299-BLK4		1	30,109	1.24	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 12:38 PM

Peak	rt	Area
1	0.95	22,358,792

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
23	X	S	B140299-SRM1		1	22,358,792	2,090	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 12:45 PM

Peak	rt	Area
1	0.94	20,080,745

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24	Y	S	B140299-SRM2		1	20,080,745	1,880	0.00		< HS	accept
Notes											

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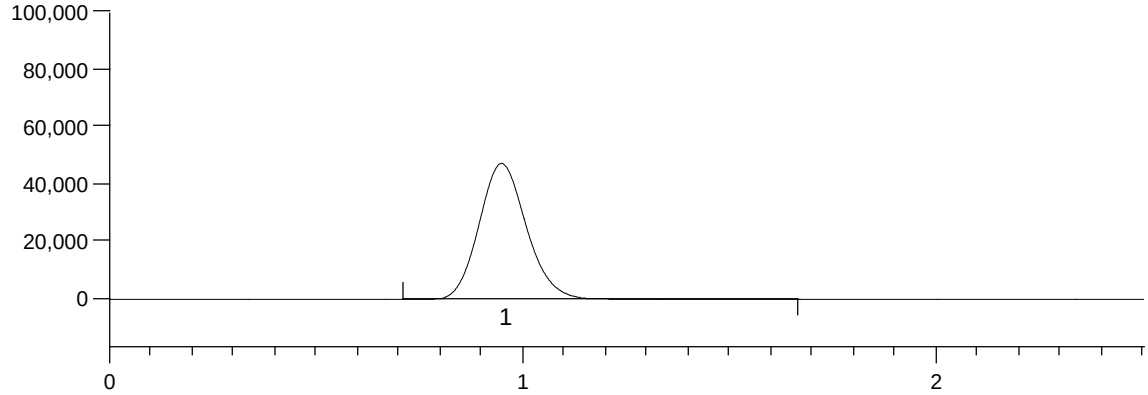
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

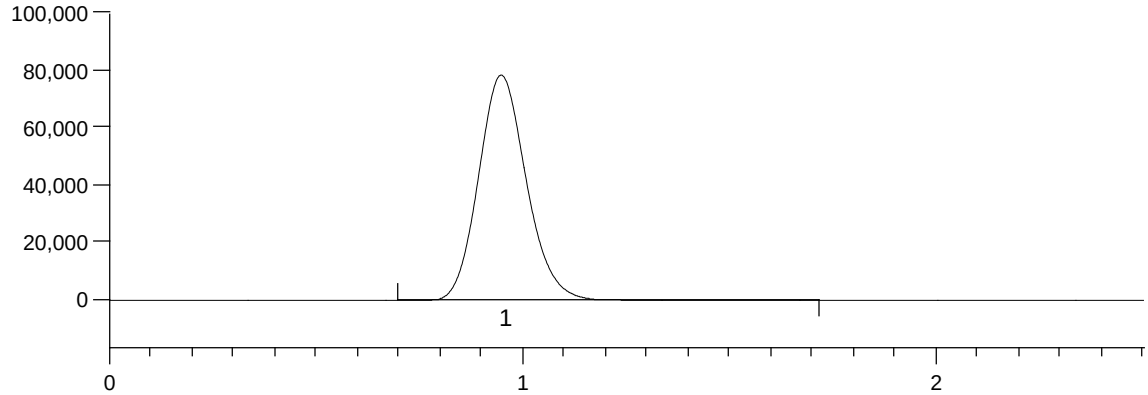
Date Analyzed: 3/5/14
Analyst Name: BJT



Date: 3/5/14
Time: 12:52 PM

Peak	rt	Area
1	0.94	3,874,248

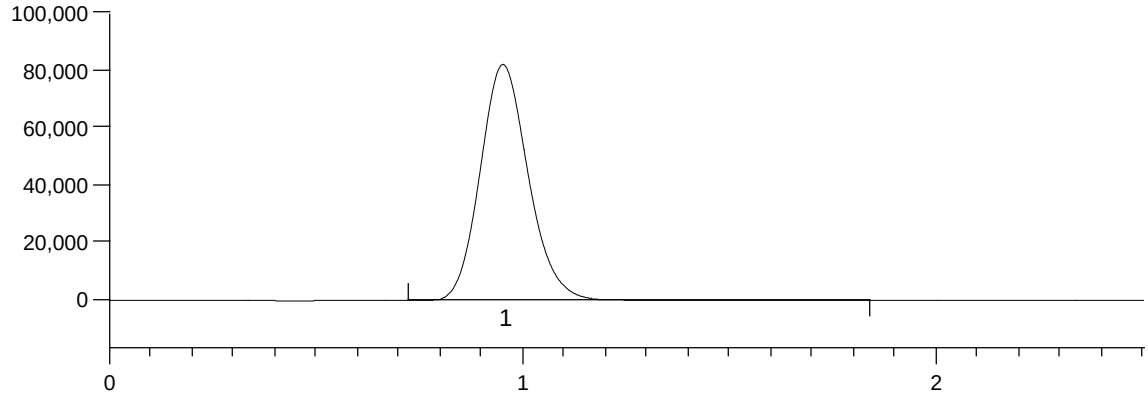
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
25	X	S	1408020-01		1	3,874,248	362	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 12:59 PM

Peak	rt	Area
1	0.94	6,439,470

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
26	Y	S	B140299-MS1		1	6,439,470	602	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 1:06 PM

Peak	rt	Area
1	0.95	6,781,809

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
27	X	S	B140299-MSD1		1	6,781,809	634	0.00		< HS	accept
Notes											

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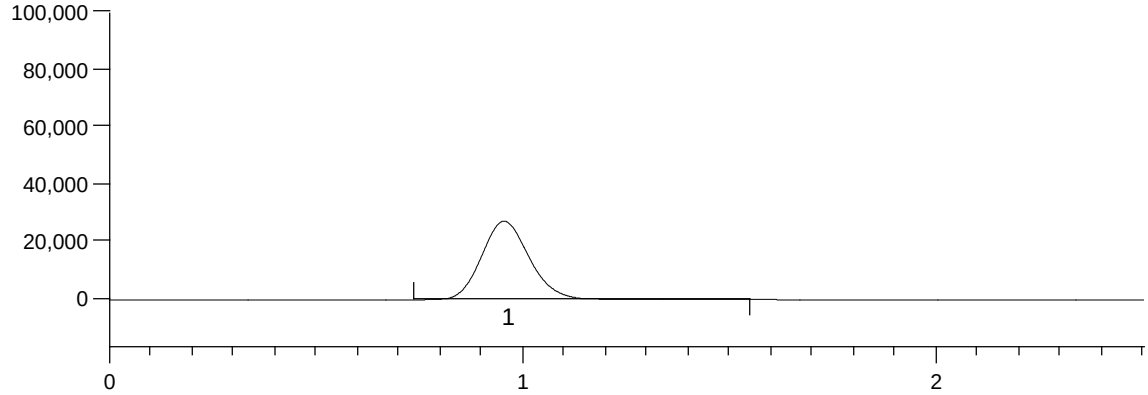
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

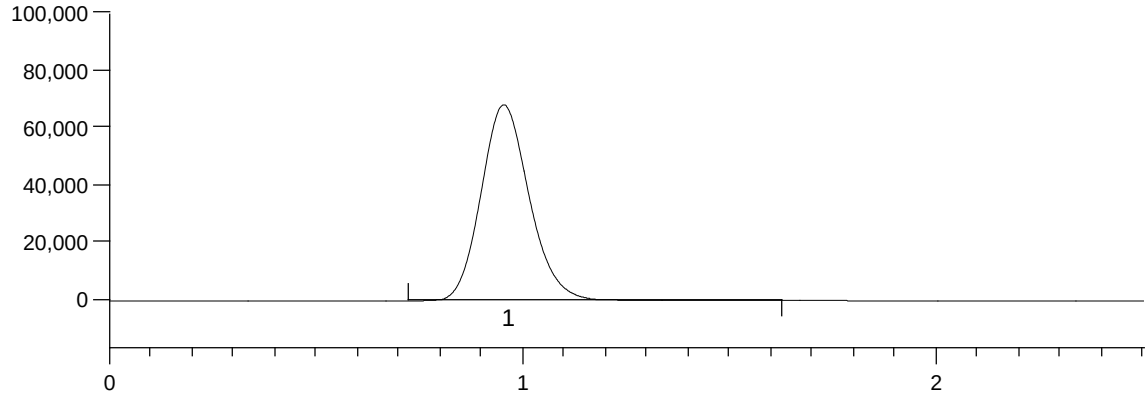
Project Number(s): 1400179 **Date Analyzed:** 3/5/14
Instrument ID: THG-11 **Analyst Name:** BJT



Date: 3/5/14
Time: 1:13 PM

Peak	rt	Area
1	0.95	2,265,541

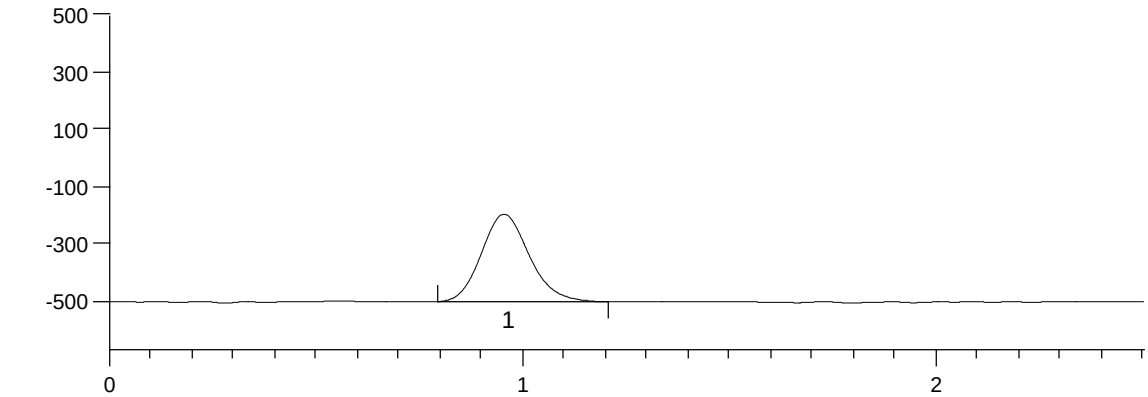
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
28	Y	S	1408020-02		1	2,265,541	211	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 1:20 PM

Peak	rt	Area
1	0.95	5,641,215

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29	X	CCV	SEQ-CCV		1	5,641,215	527		105	77-123	accept
Notes											



Date: 3/5/14
Time: 1:27 PM

Peak	rt	Area
1	0.95	24,678

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
30	Y	CCB	SEQ-CCB		1	24,678	2.31		2.31	< 10	accept
Notes											

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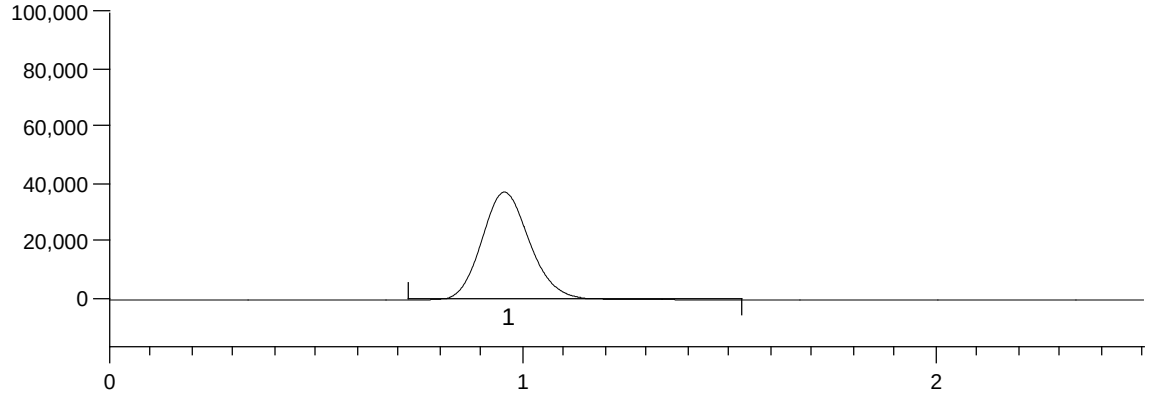
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

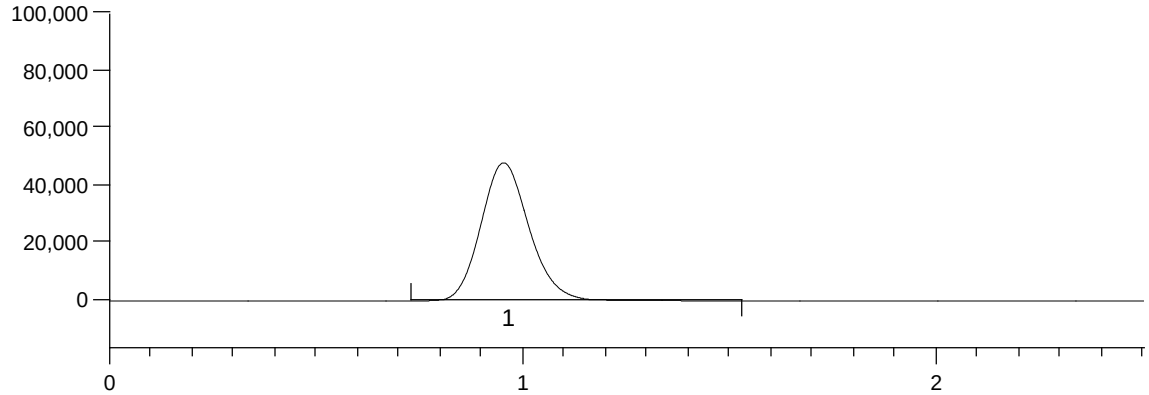


Date: 3/5/14
Time: 1:34 PM

Peak	rt	Area
1	0.95	3,109,063

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31	X	S	1408020-03		1	3,109,063	290.	0.00		< HS	accept

Notes

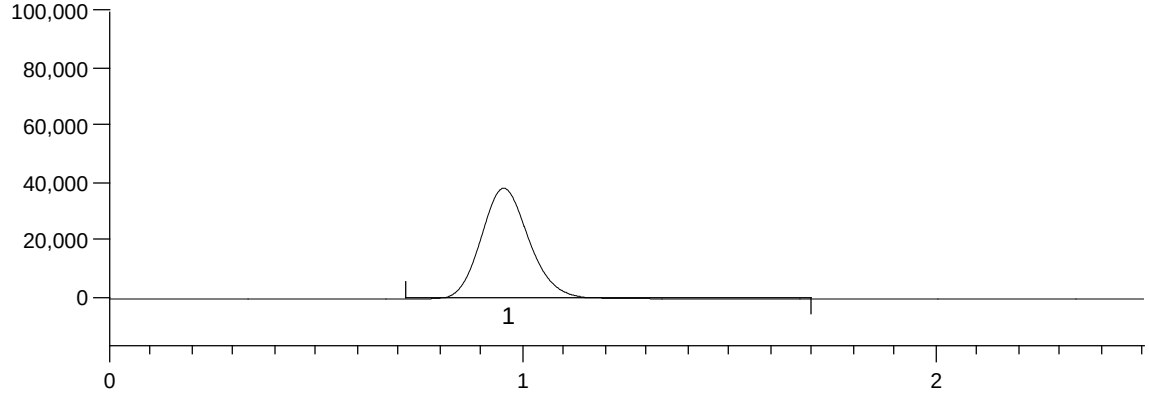


Date: 3/5/14
Time: 1:41 PM

Peak	rt	Area
1	0.95	3,981,928

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
32	Y	S	1408020-04		1	3,981,928	372	0.00		< HS	accept

Notes



Date: 3/5/14
Time: 1:48 PM

Peak	rt	Area
1	0.95	3,190,039

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
33	X	S	1408020-05		1	3,190,039	297	0.00		< HS	accept

Notes

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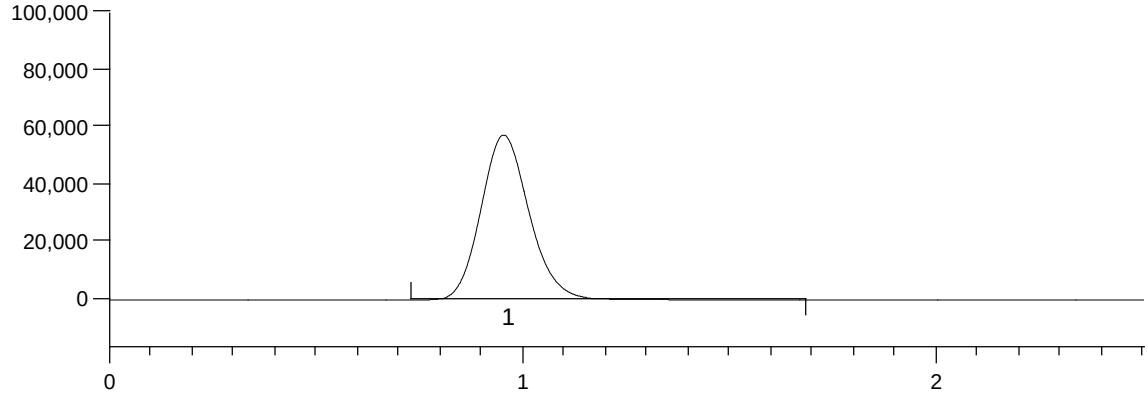
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

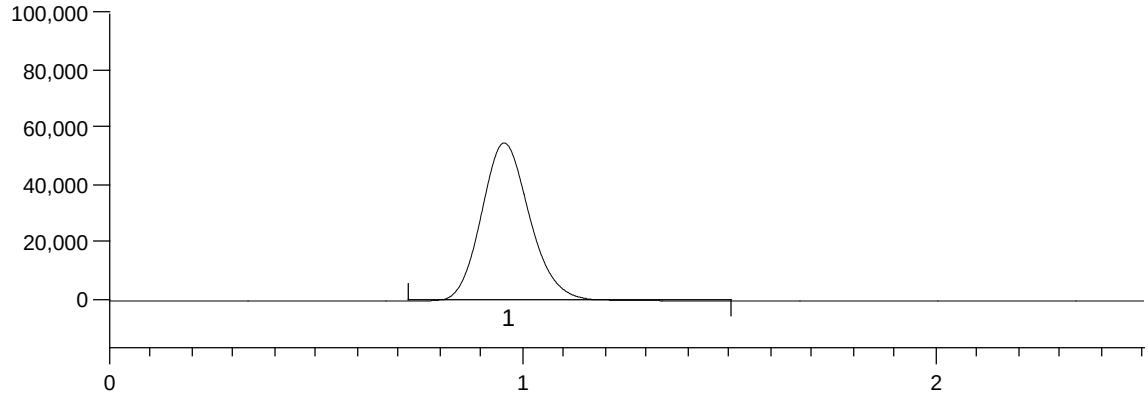


Date: 3/5/14
Time: 1:55 PM

Peak	rt	Area
1	0.95	4,742,868

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
34	Y	S	1408020-06		1	4,742,868	443	0.00		< HS	accept

Notes

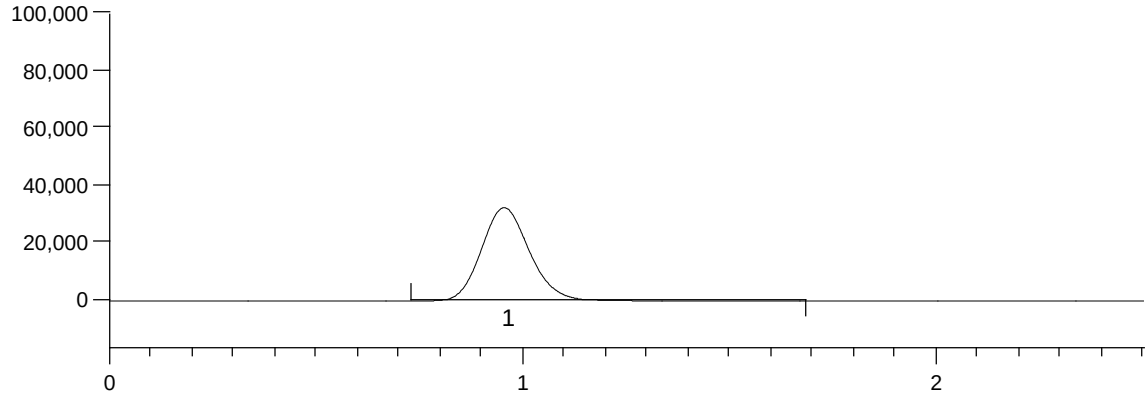


Date: 3/5/14
Time: 2:02 PM

Peak	rt	Area
1	0.95	4,555,673

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
35	X	S	1408020-07		1	4,555,673	425	0.00		< HS	accept

Notes



Date: 3/5/14
Time: 2:09 PM

Peak	rt	Area
1	0.95	2,698,156

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
36	Y	S	1408020-08		1	2,698,156	251	0.00		< HS	accept

Notes

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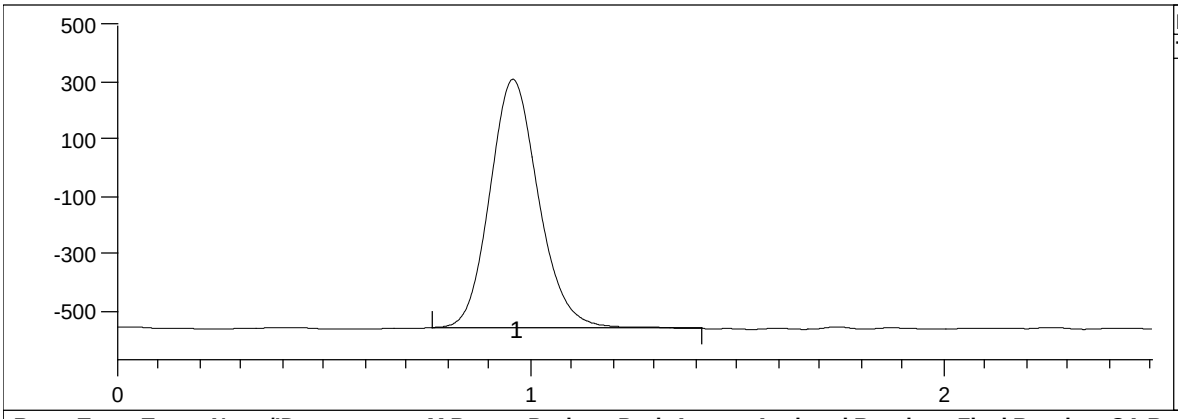
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

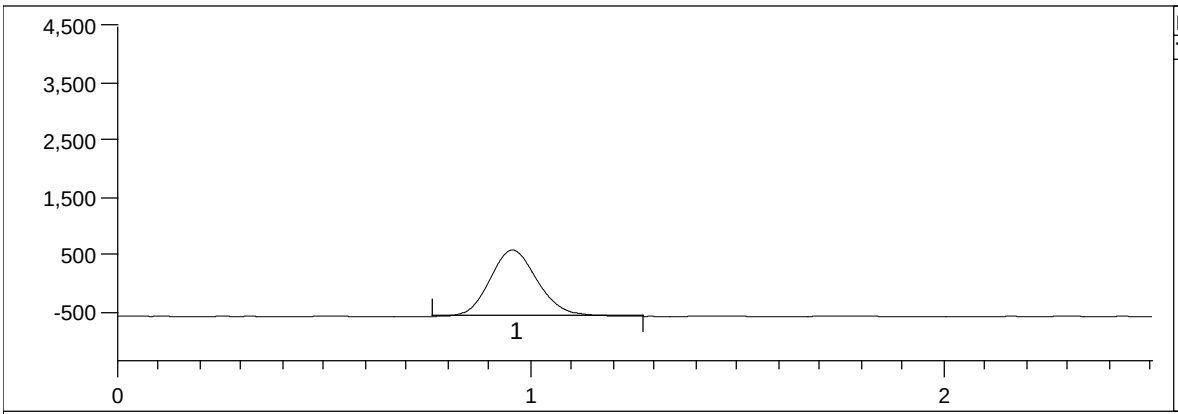


Date: 3/5/14
Time: 2:16 PM

Peak	rt	Area
1	0.95	71,689

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
37	X	S	1408020-09		1	71,689	5.14	0.00		< HS	accept

Notes

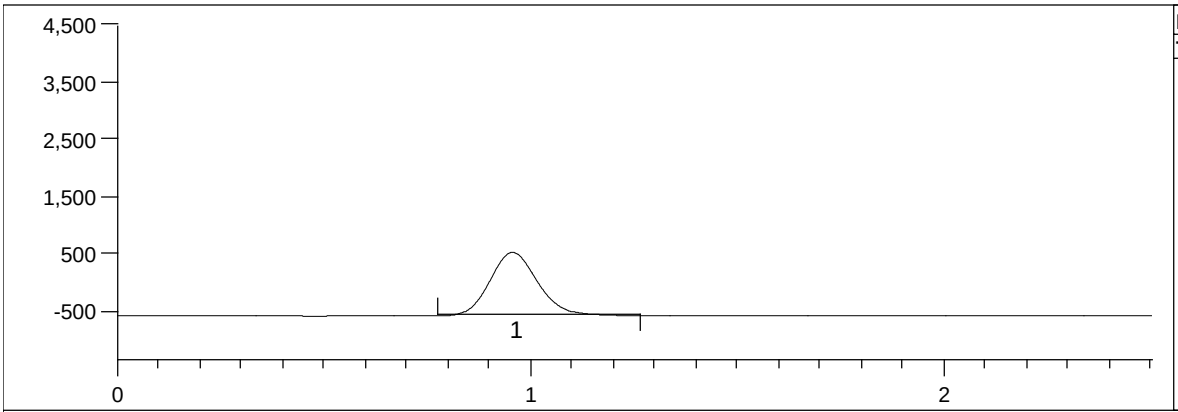


Date: 3/5/14
Time: 2:23 PM

Peak	rt	Area
1	0.95	95,962

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
38	Y	S	1408020-10		1	95,962	7.41	0.00		< HS	accept

Notes



Date: 3/5/14
Time: 2:30 PM

Peak	rt	Area
1	0.95	92,132

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
39	X	S	B140299-DUP2		1	92,132	7.05	0.00		< HS	accept

Notes

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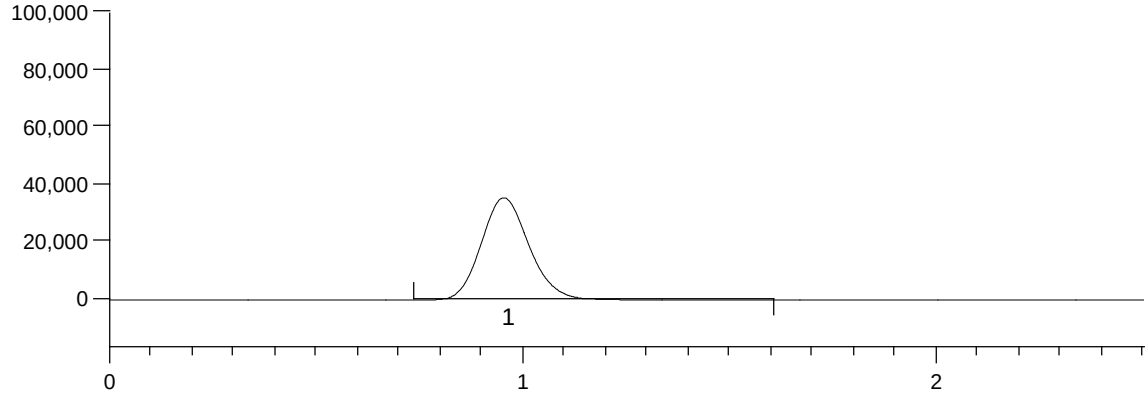
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

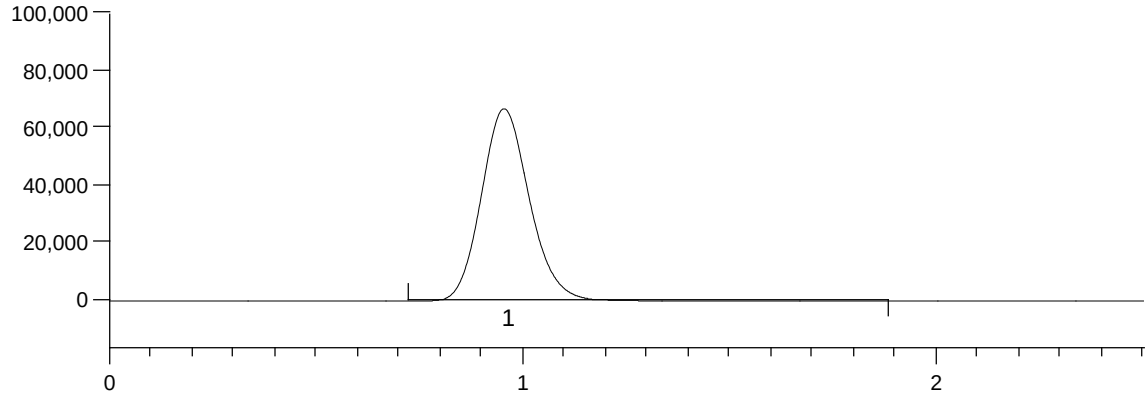


Date: 3/5/14
Time: 2:37 PM

Peak	rt	Area
1	0.95	2,940,094

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
40	Y	S	B140299-MS2		1	2,940,094	274	0.00		< HS	accept

Notes

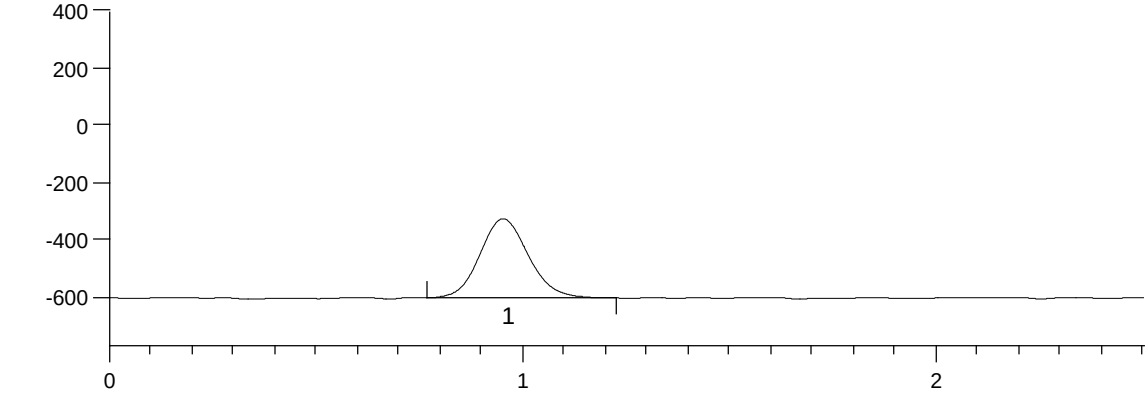


Date: 3/5/14
Time: 2:44 PM

Peak	rt	Area
1	0.95	5,515,181

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
41	X	CCV	SEQ-CCV		1	5,515,181	515		103	77-123	accept

Notes



Date: 3/5/14
Time: 2:51 PM

Peak	rt	Area
1	0.95	22,974

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
42	Y	CCB	SEQ-CCB		1	22,974	2.15		2.15	< 10	accept

Notes

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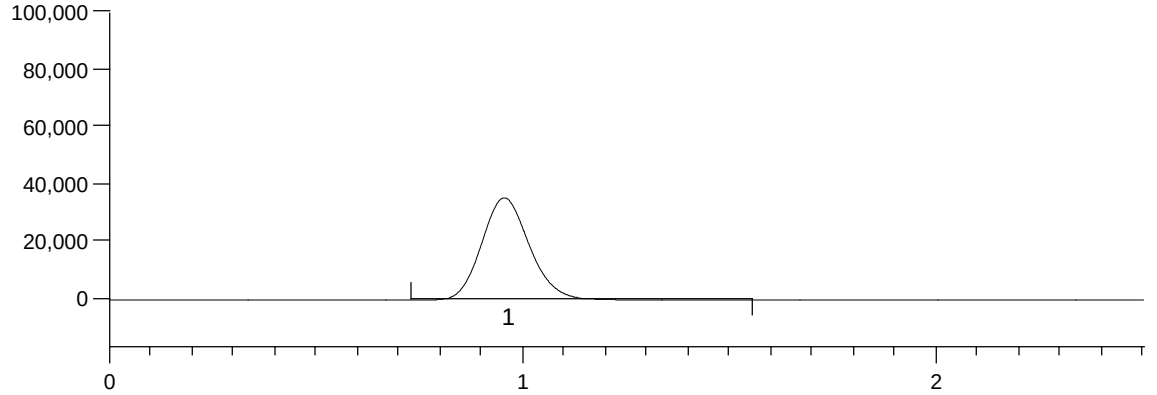
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

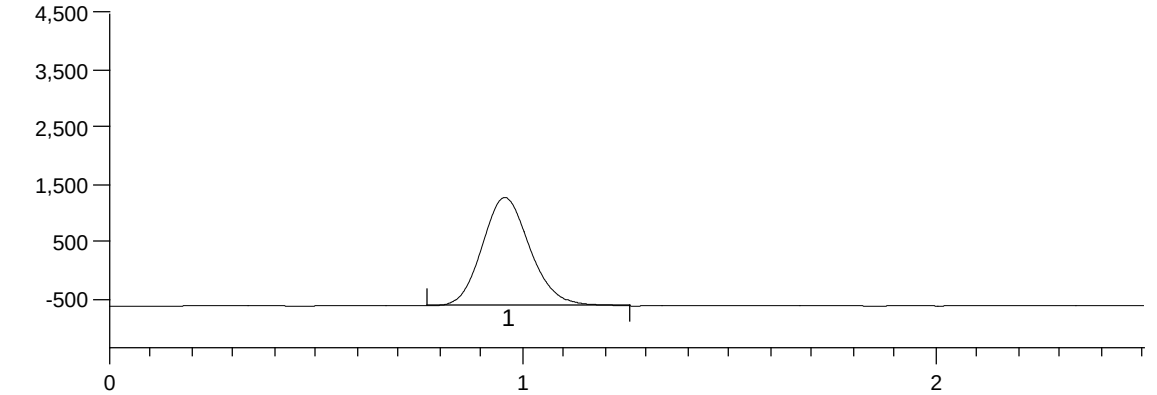


Date: 3/5/14
Time: 2:58 PM

Peak	rt	Area
1	0.95	2,939,666

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
43	X	S	B140299-MSD2		1	2,939,666	274	0.00		< HS	accept

Notes

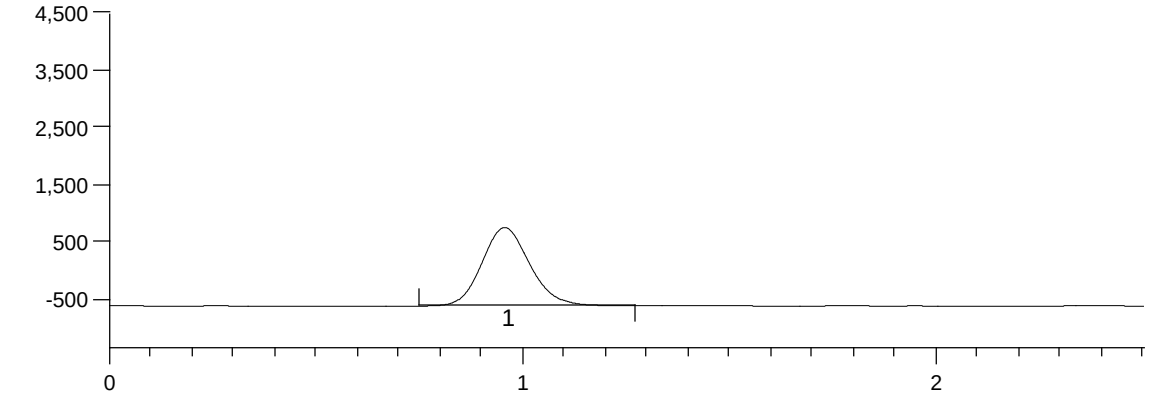


Date: 3/5/14
Time: 3:05 PM

Peak	rt	Area
1	0.95	155,388

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
44	Y	S	1408020-11		1	155,388	13.0	0.00		< HS	accept

Notes



Date: 3/5/14
Time: 3:12 PM

Peak	rt	Area
1	0.95	113,288

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
45	X	S	1408020-12		1	113,288	9.03	0.00		< HS	accept

Notes

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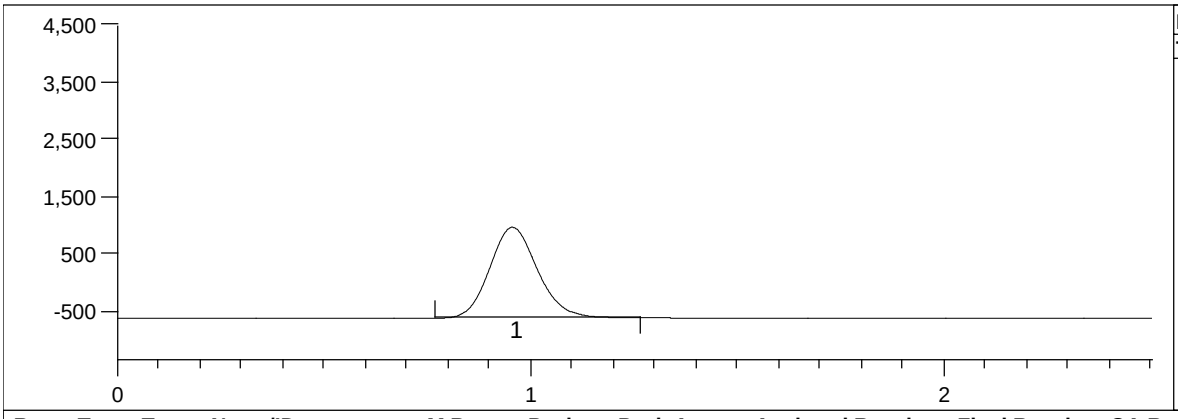
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

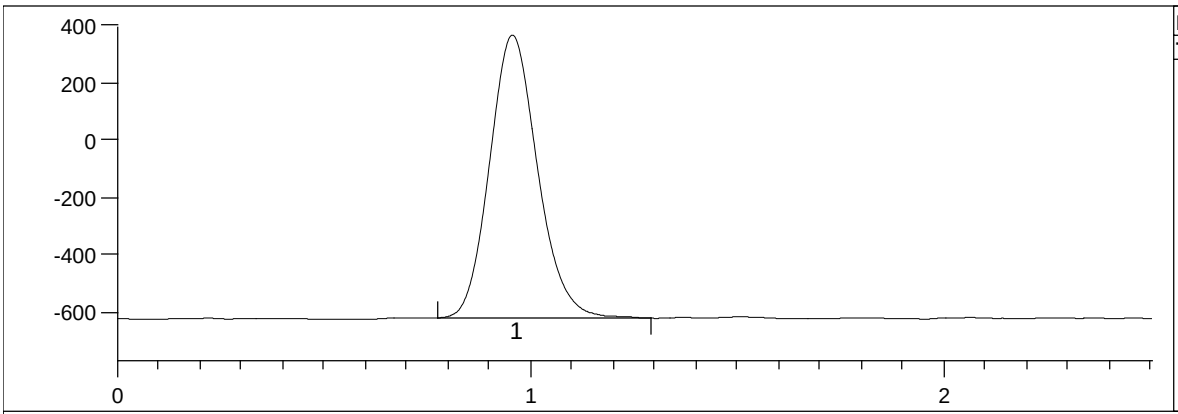
Project Number(s): 1400179 **Date Analyzed:** 3/5/14
Instrument ID: THG-11 **Analyst Name:** BJT



Date: 3/5/14
Time: 3:19 PM

Peak	rt	Area
1	0.95	130,040

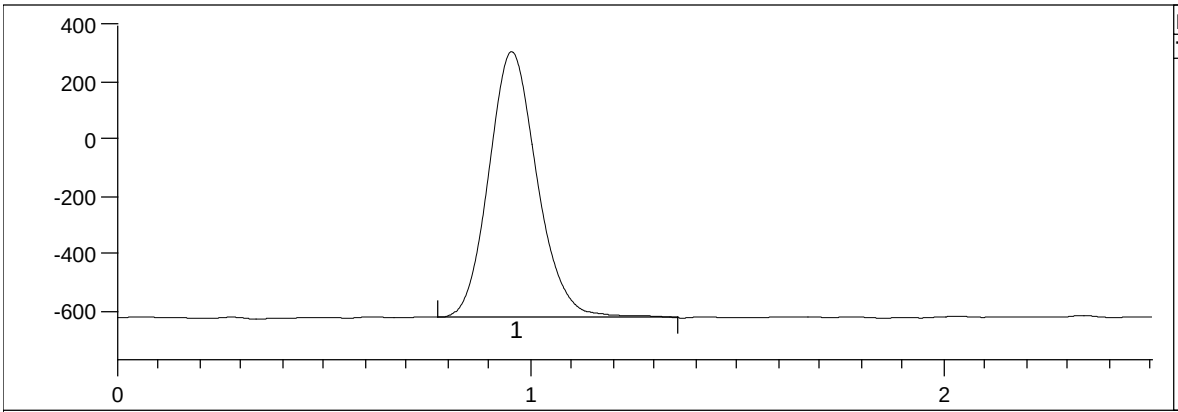
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
46	Y	S	1408020-13		1	130,040	10.6	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 3:26 PM

Peak	rt	Area
1	0.95	80,483

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
47	X	S	1408020-14		1	80,483	5.96	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 3:33 PM

Peak	rt	Area
1	0.95	76,237

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
48	Y	S	1408020-15		1	76,237	5.56	0.00		< HS	accept
Notes											

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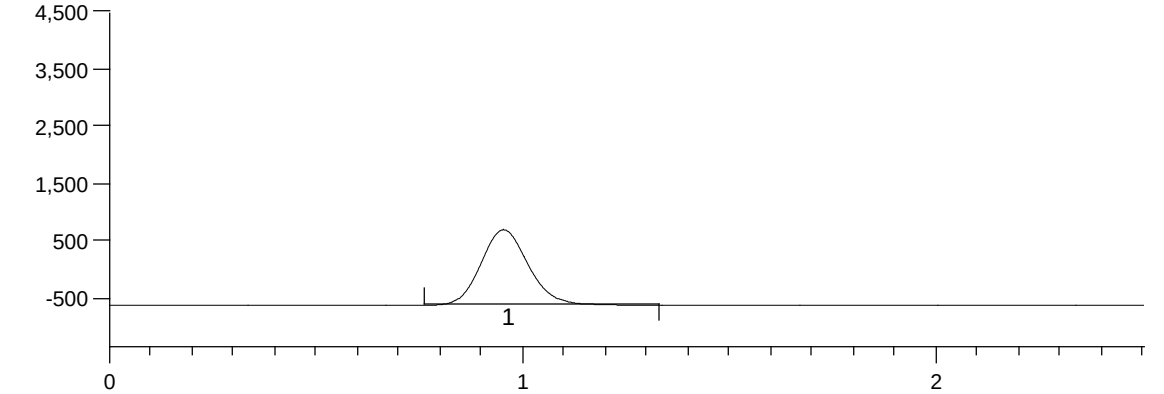
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179 **Date Analyzed:** 3/5/14
Instrument ID: THG-11 **Analyst Name:** BJT

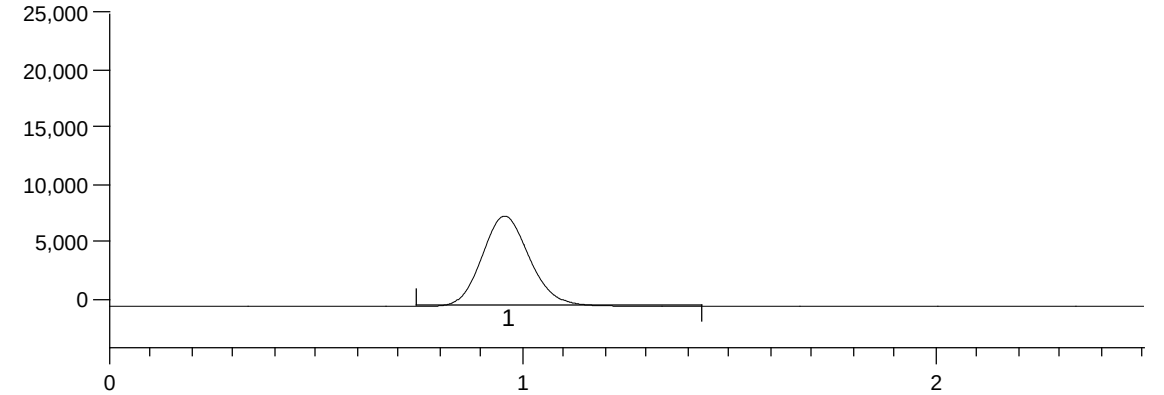


Date: 3/5/14
Time: 3:40 PM

Peak	rt	Area
1	0.95	108,413

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
49	X	S	1408020-16		1	108,413	8.58	0.00		< HS	accept

Notes

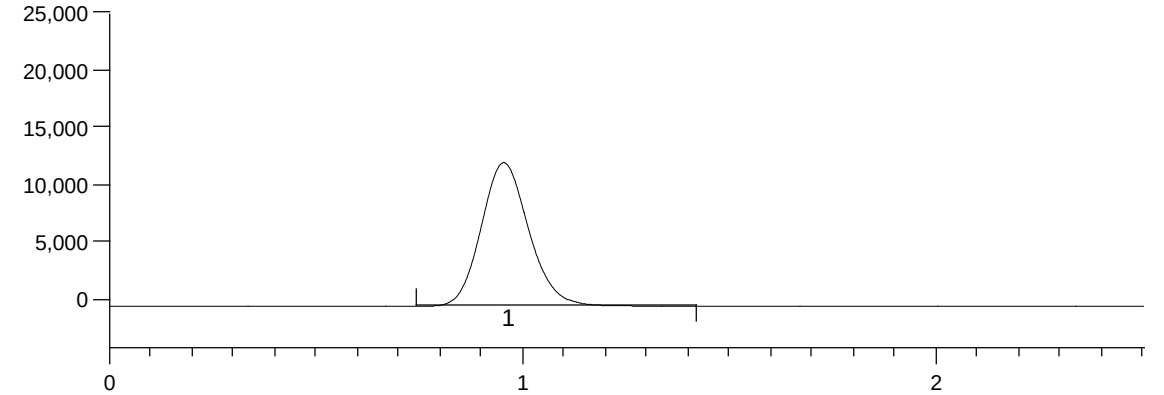


Date: 3/5/14
Time: 3:47 PM

Peak	rt	Area
1	0.95	648,097

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
50	Y	S	1408020-17		1	648,097	59.2	0.00		< HS	accept

Notes



Date: 3/5/14
Time: 3:54 PM

Peak	rt	Area
1	0.95	1,022,096

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
51	X	S	1408020-18		1	1,022,096	94.2	0.00		< HS	accept

Notes

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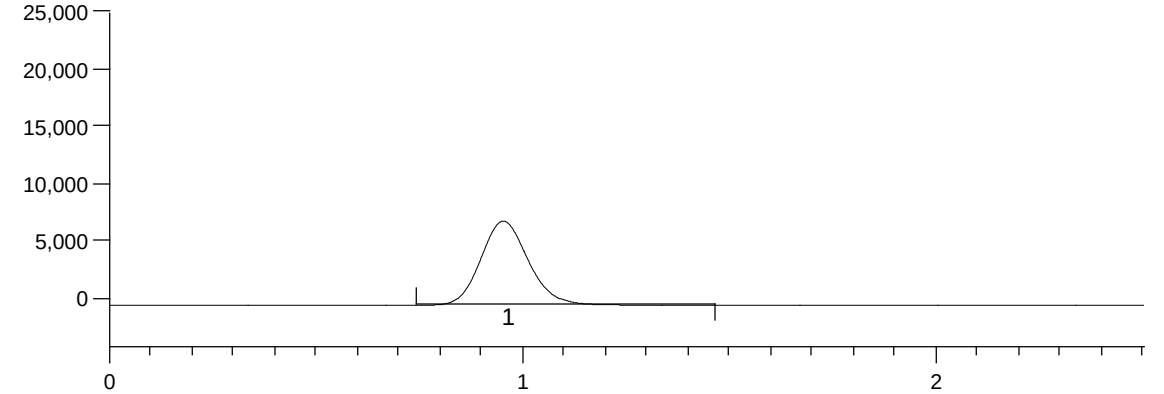
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

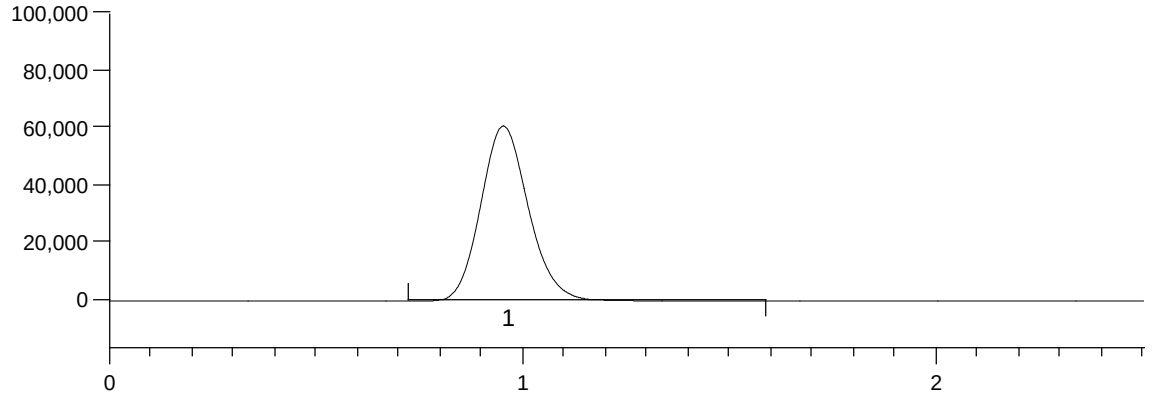


Date: 3/5/14
Time: 4:01 PM

Peak	rt	Area
1	0.95	600,976

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
52	Y	S	1408020-19		1	600,976	54.7	0.00		< HS	accept

Notes

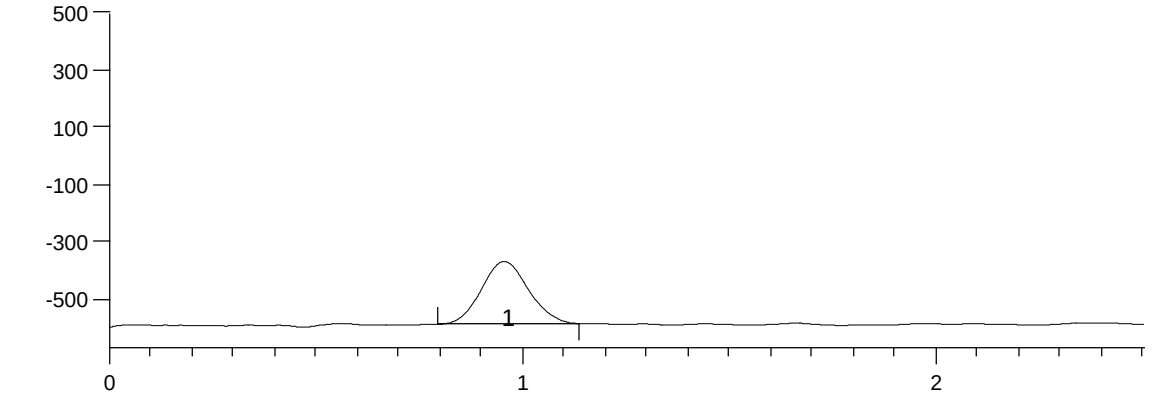


Date: 3/5/14
Time: 4:08 PM

Peak	rt	Area
1	0.95	4,988,470

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
53	X	CCV	SEQ-CCV		1	4,988,470	466		93.2	77-123	accept

Notes



Date: 3/5/14
Time: 4:15 PM

Peak	rt	Area
1	0.95	17,685

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
54	Y	CCB	SEQ-CCB		1	17,685	1.66		1.66	< 10	accept

Notes

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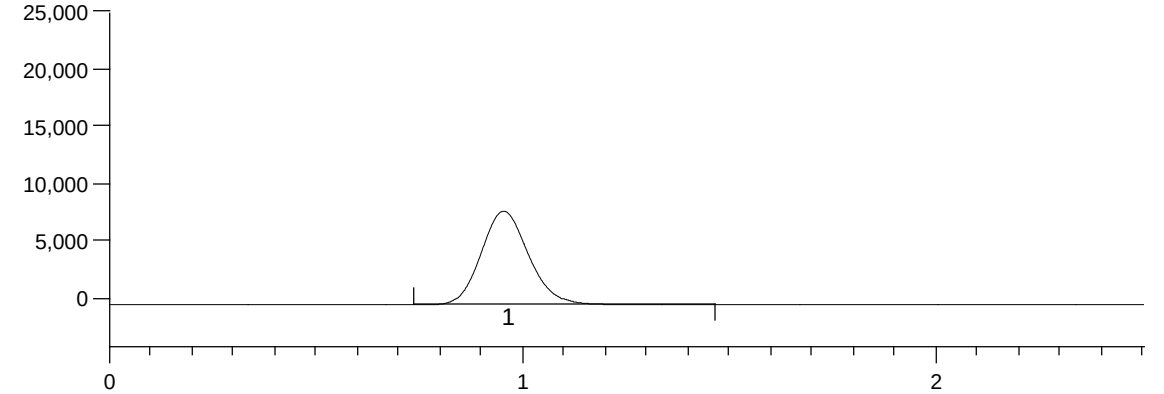
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

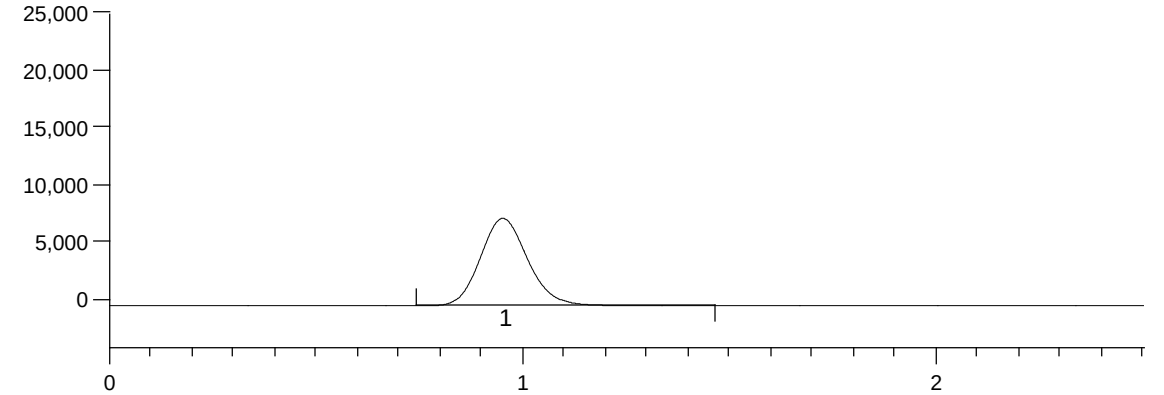


Date: 3/5/14
Time: 4:22 PM

Peak	rt	Area
1	0.95	669,515

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
55	X	S	1408020-20		1	669,515	61.2	0.00		< HS	accept

Notes

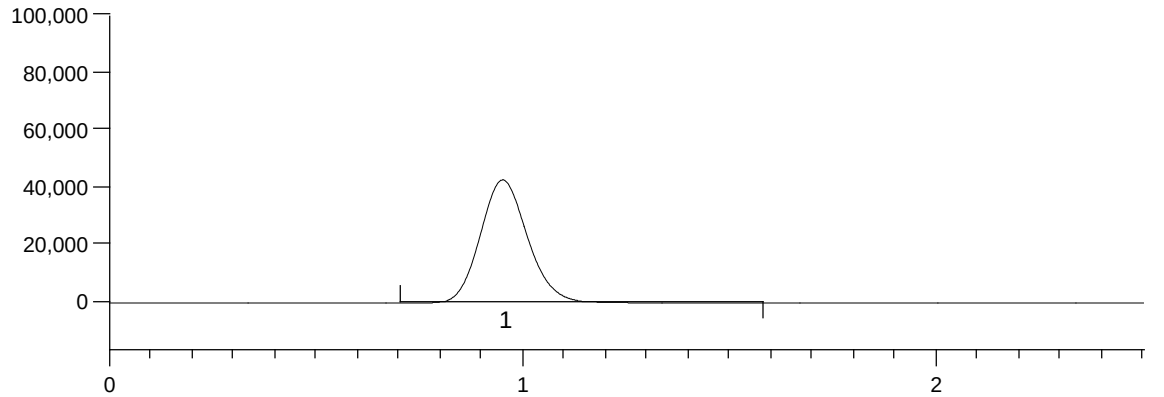


Date: 3/5/14
Time: 4:29 PM

Peak	rt	Area
1	0.95	622,886

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
56	Y	S	B140299-DUP3		1	622,886	56.8	0.00		< HS	accept

Notes



Date: 3/5/14
Time: 4:36 PM

Peak	rt	Area
1	0.95	3,487,092

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
57	X	S	B140299-MS3		1	3,487,092	325	0.00		< HS	accept

Notes

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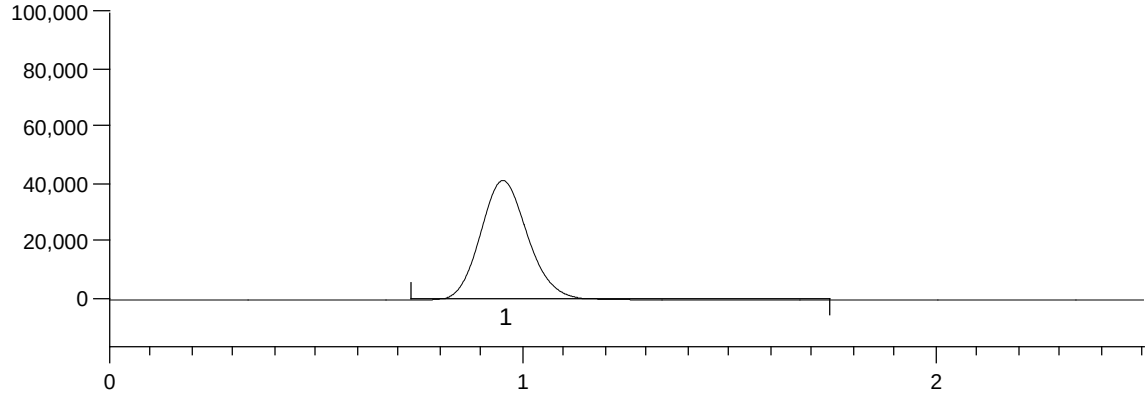
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

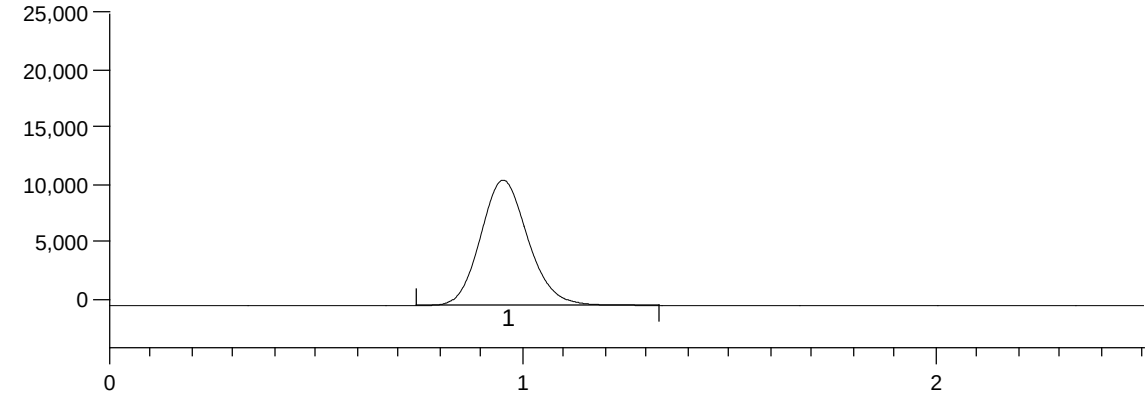


Date: 3/5/14
Time: 4:43 PM

Peak	rt	Area
1	0.95	3,400,259

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
58	Y	S	B140299-MSD3		1	3,400,259	317	0.00		< HS	accept

Notes

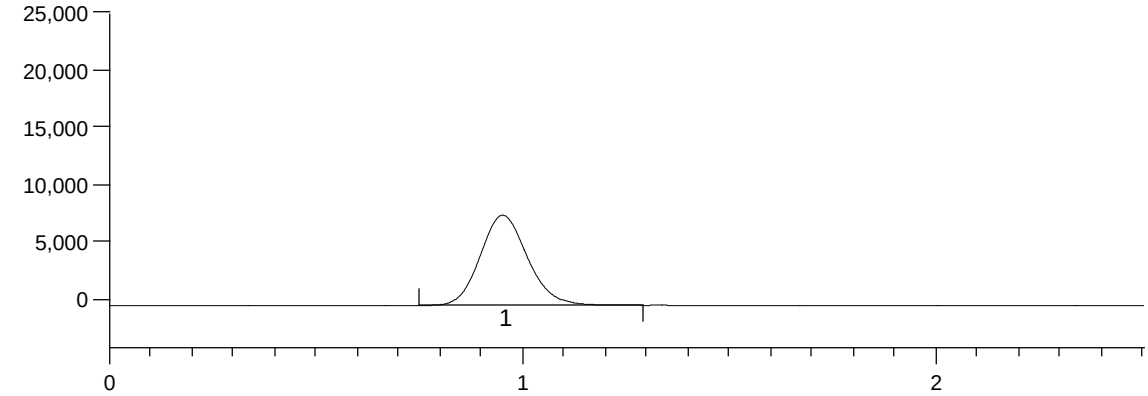


Date: 3/5/14
Time: 4:50 PM

Peak	rt	Area
1	0.95	888,598

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
59	X	S	1408020-21		1	888,598	81.7	0.00		< HS	accept

Notes



Date: 3/5/14
Time: 4:57 PM

Peak	rt	Area
1	0.95	638,718

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
60	Y	S	1408020-22		1	638,718	58.3	0.00		< HS	accept

Notes

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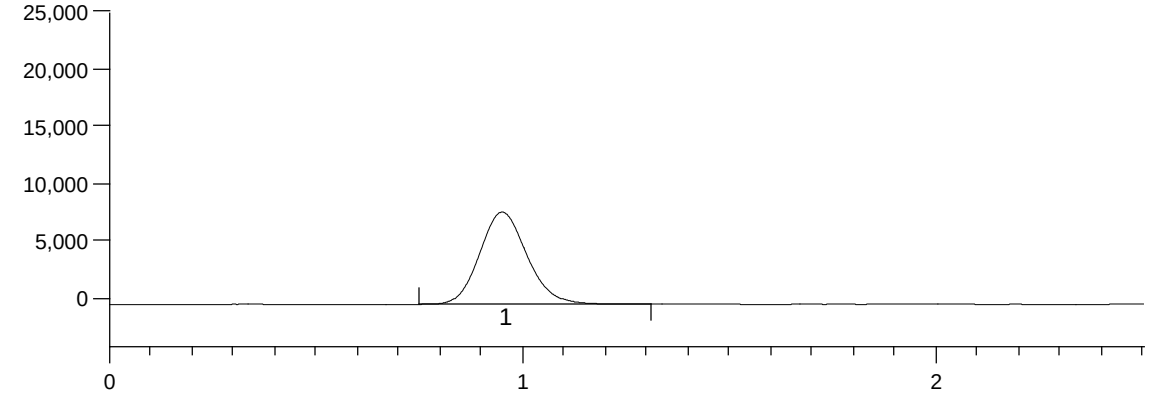
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179 **Date Analyzed:** 3/5/14
Instrument ID: THG-11 **Analyst Name:** BJT

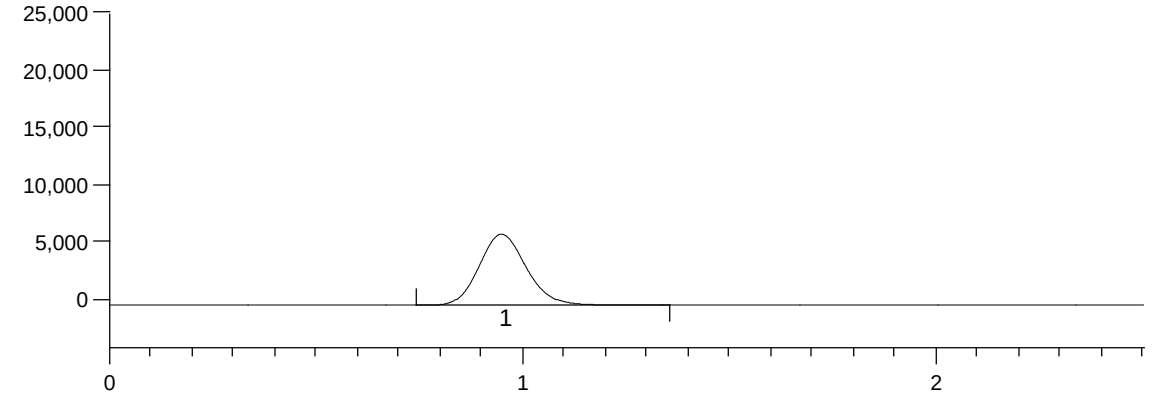


Date: 3/5/14
Time: 5:04 PM

Peak	rt	Area
1	0.94	653,567

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
61	X	S	1408020-23		1	653,567	59.7	0.00		< HS	accept

Notes

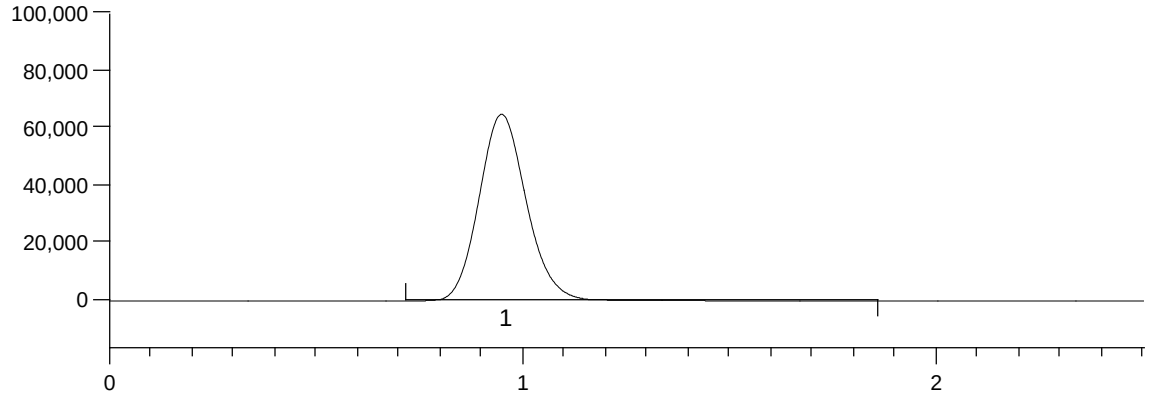


Date: 3/5/14
Time: 5:11 PM

Peak	rt	Area
1	0.94	503,329

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
62	Y	S	1408020-24		1	503,329	45.6	0.00		< HS	accept

Notes



Date: 3/5/14
Time: 5:18 PM

Peak	rt	Area
1	0.94	5,266,558

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
63	X	CCV	SEQ-CCV		1	5,266,558	492		98.4	77-123	accept

Notes

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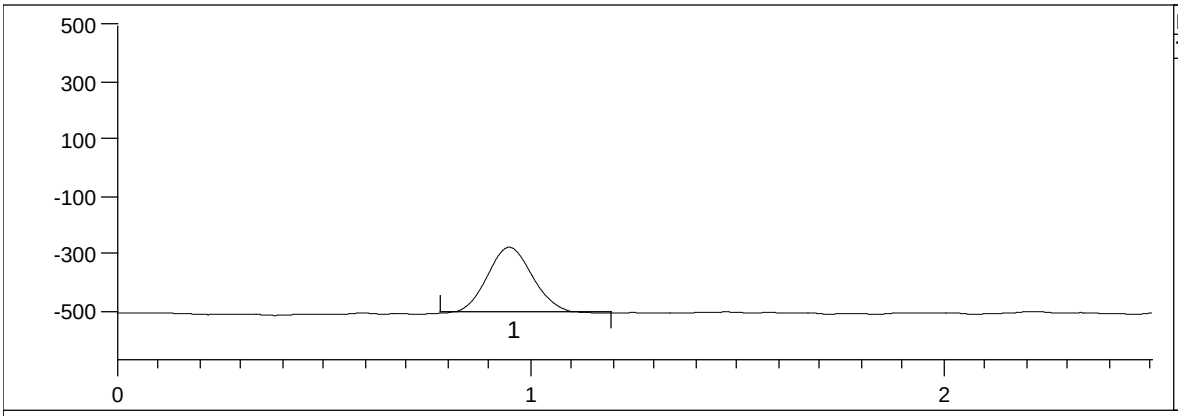
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

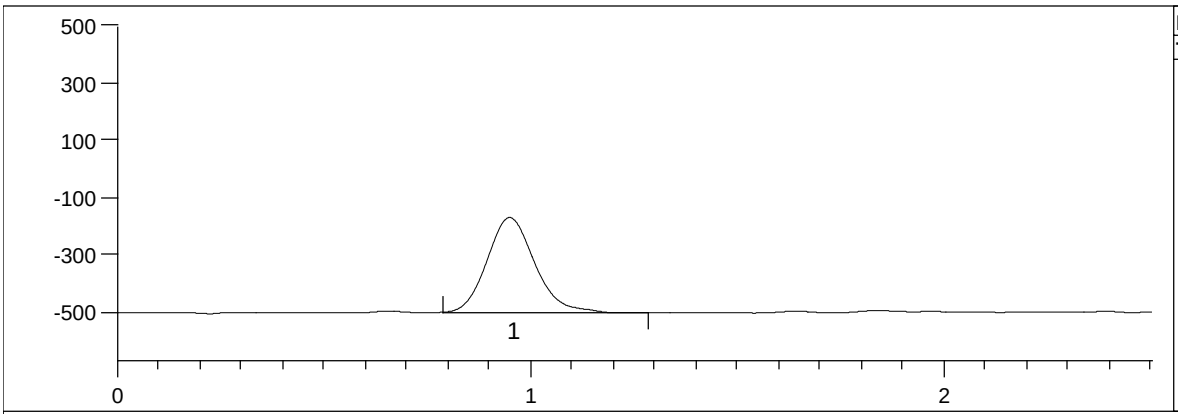


Date: 3/5/14
Time: 5:25 PM

Peak	rt	Area
1	0.94	18,459

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
64	Y	CCB	SEQ-CCB		1	18,459	1.73		1.73	< 10	accept

Notes

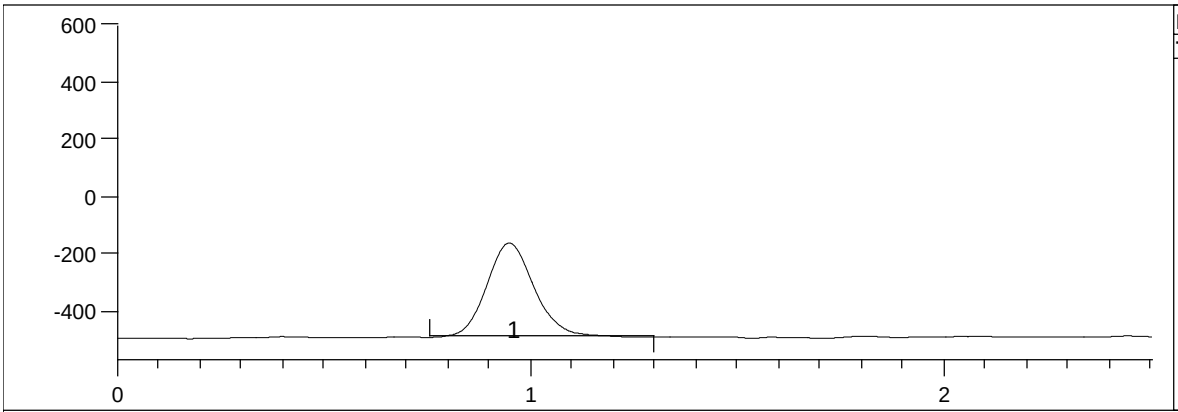


Date: 3/5/14
Time: 5:32 PM

Peak	rt	Area
1	0.94	26,648

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
65	X	S	B140196-BLK1		1	26,648	0.915	0.00		< HS	accept

Notes



Date: 3/5/14
Time: 5:39 PM

Peak	rt	Area
1	0.94	27,031

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
66	Y	S	B140196-BLK2		1	27,031	0.950	0.00		< HS	accept

Notes

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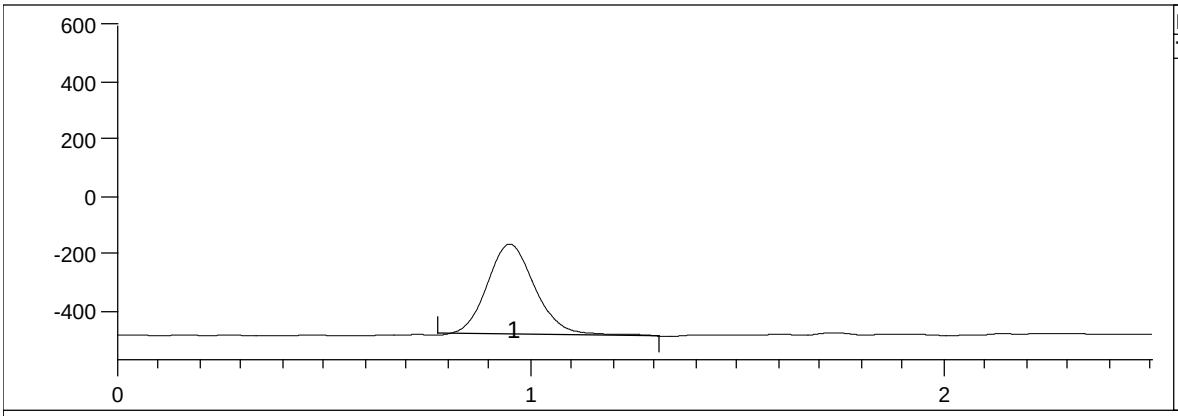
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

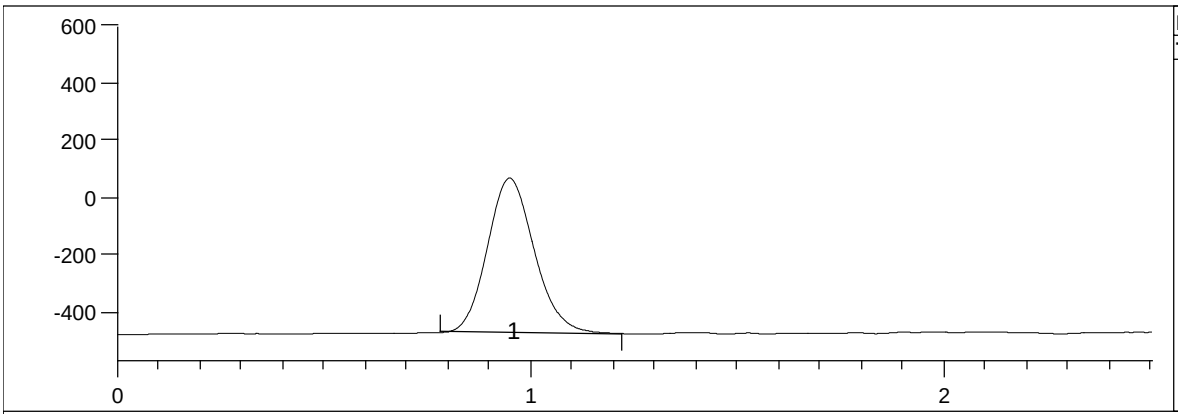
Date Analyzed: 3/5/14
Analyst Name: BJT



Date: 3/5/14
Time: 5:46 PM

Peak	rt	Area
1	0.94	26,620

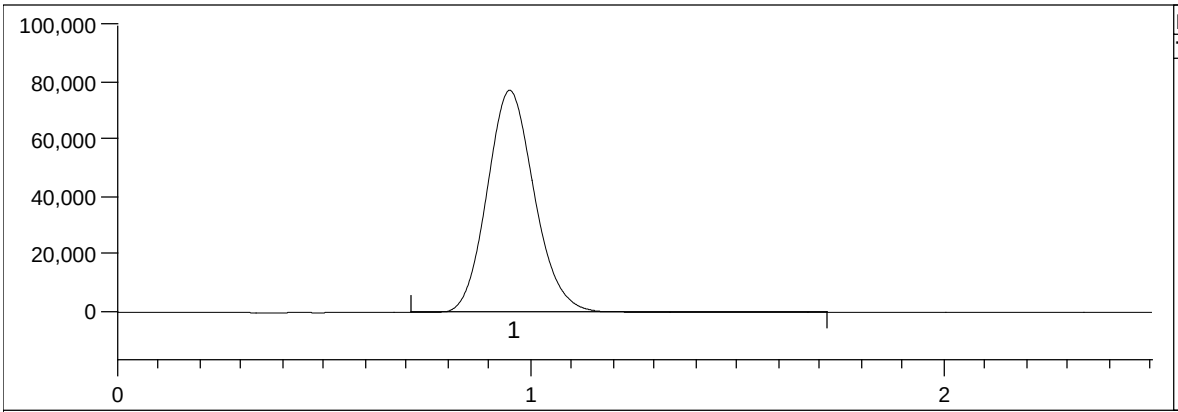
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
67	X	S	B140196-BLK3		1	26,620	0.912	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 5:53 PM

Peak	rt	Area
1	0.94	43,090

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
68	Y	S	B140196-BLK4		1	43,090	2.46	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 6:00 PM

Peak	rt	Area
1	0.94	6,263,819

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
69	X	S	B140196-SRM1		1	6,263,819	585	0.00		< HS	accept
Notes											

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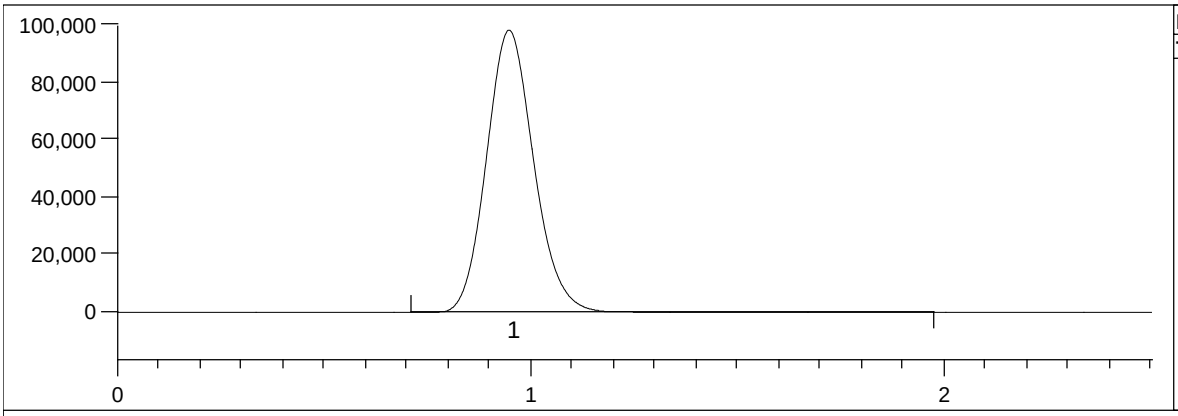
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

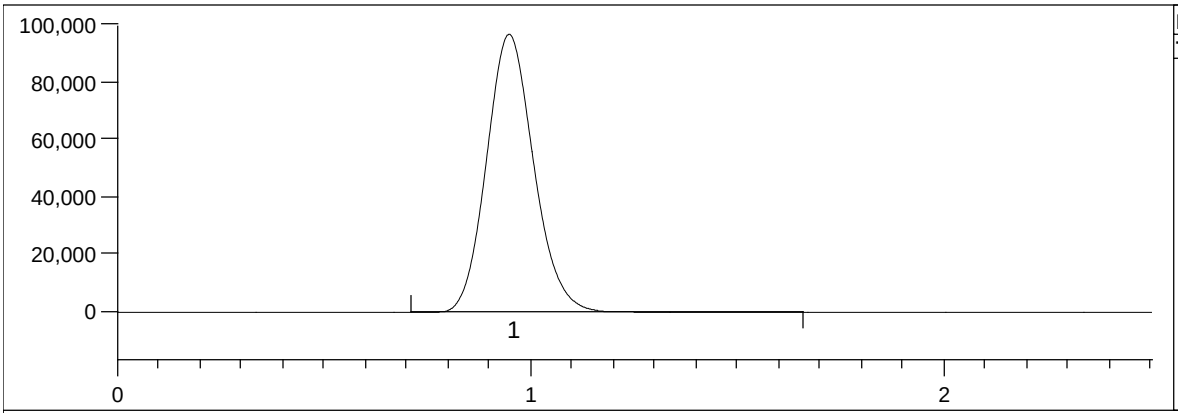
Date Analyzed: 3/5/14
Analyst Name: BJT



Date: 3/5/14
Time: 6:07 PM

Peak	rt	Area
1	0.94	7,959,181

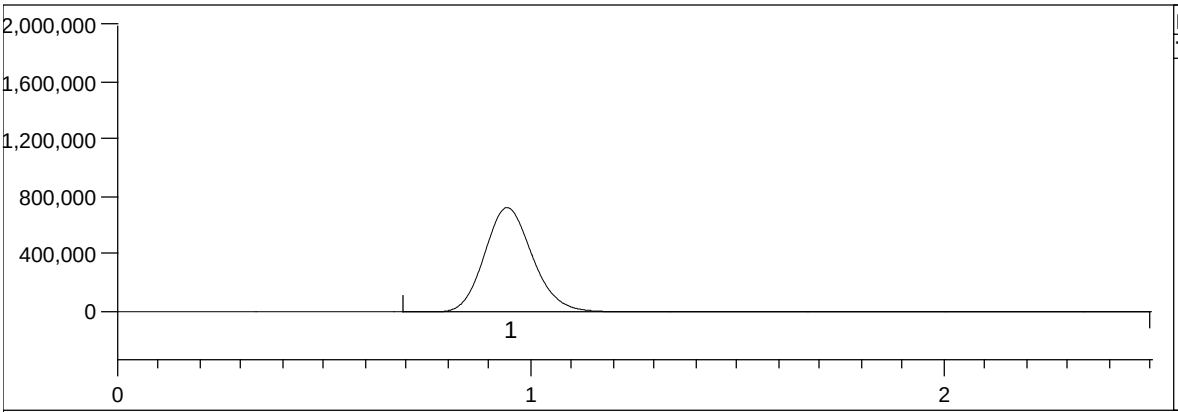
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
70	Y	S	1406028-01		1	7,959,181	744	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 6:14 PM

Peak	rt	Area
1	0.94	7,825,329

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
71	X	S	B140196-DUP1		1	7,825,329	732	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 6:21 PM

Peak	rt	Area
1	0.94	59,446,950

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
72	Y	S	B140196-MS1		1	59,446,950	5,570	0.00		< HS	accept
Notes											

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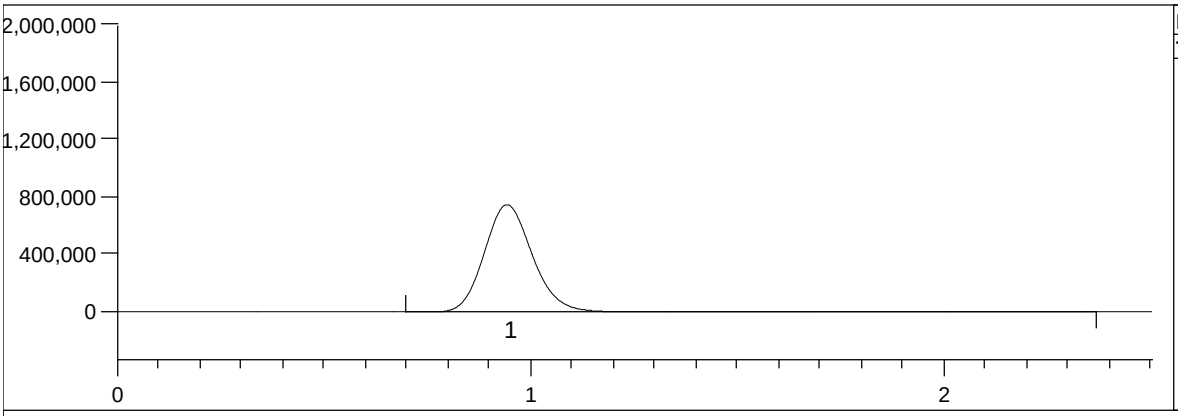
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179 **Date Analyzed:** 3/5/14
Instrument ID: THG-11 **Analyst Name:** BJT

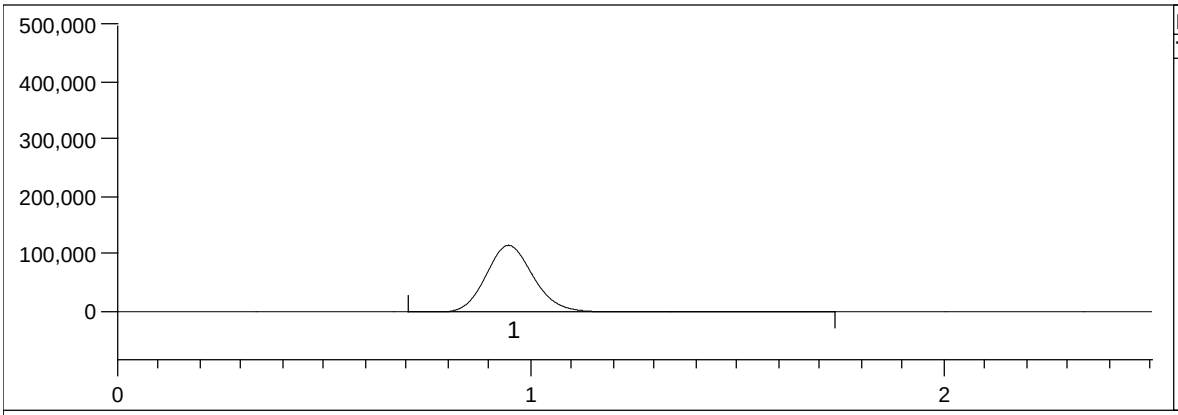


Date: 3/5/14
Time: 6:28 PM

Peak	rt	Area
1	0.94	61,018,356

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
73	X	S	B140196-MSD1		1	61,018,356	5,720	0.00		< HS	accept

Notes

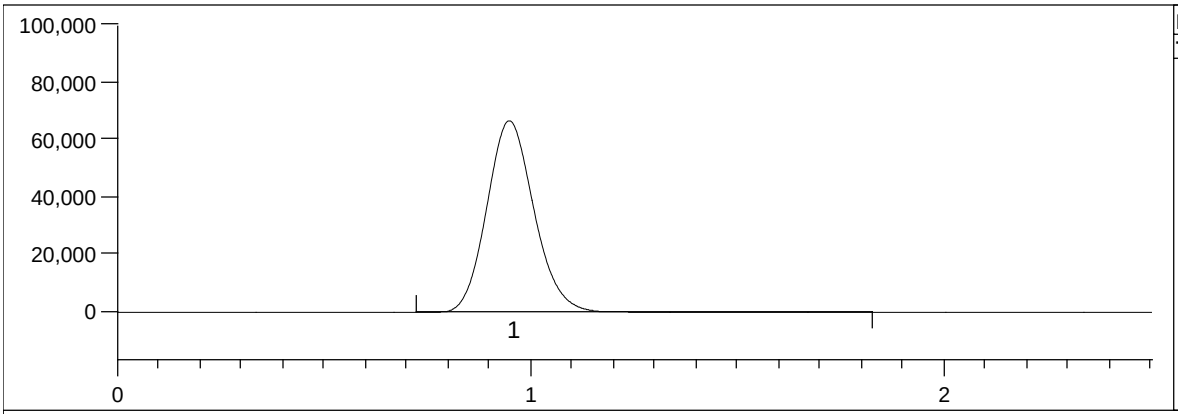


Date: 3/5/14
Time: 6:35 PM

Peak	rt	Area
1	0.94	9,381,798

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
74	Y	S	1406028-02		1	9,381,798	878	0.00		< HS	accept

Notes



Date: 3/5/14
Time: 6:42 PM

Peak	rt	Area
1	0.94	5,405,229

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
75	X	CCV	SEQ-CCV		1	5,405,229	505		101	77-123	accept

Notes

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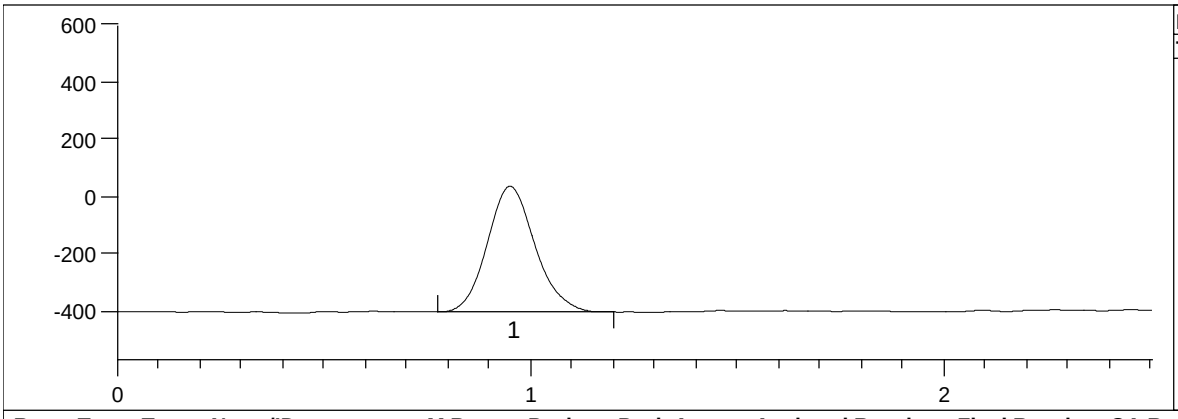
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

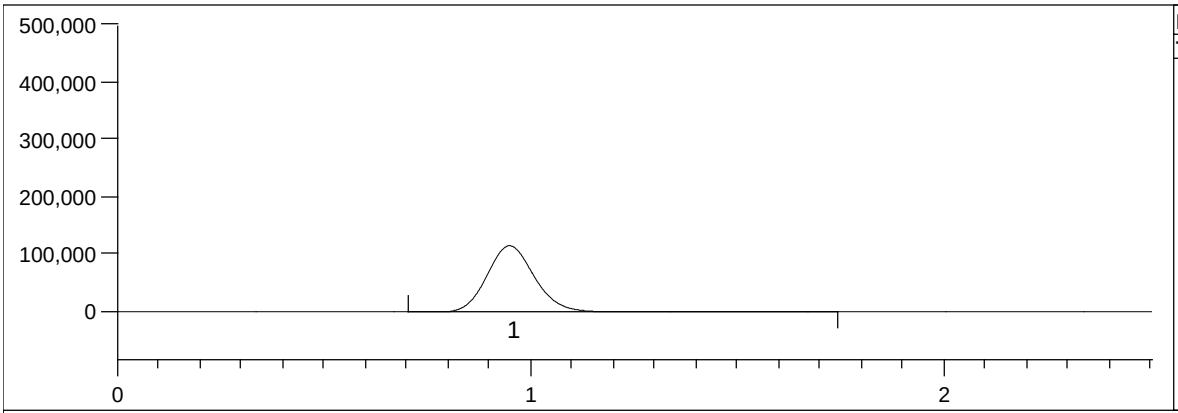
Project Number(s): 1400179 **Date Analyzed:** 3/5/14
Instrument ID: THG-11 **Analyst Name:** BJT



Date: 3/5/14
Time: 6:49 PM

Peak	rt	Area
1	0.94	35,622

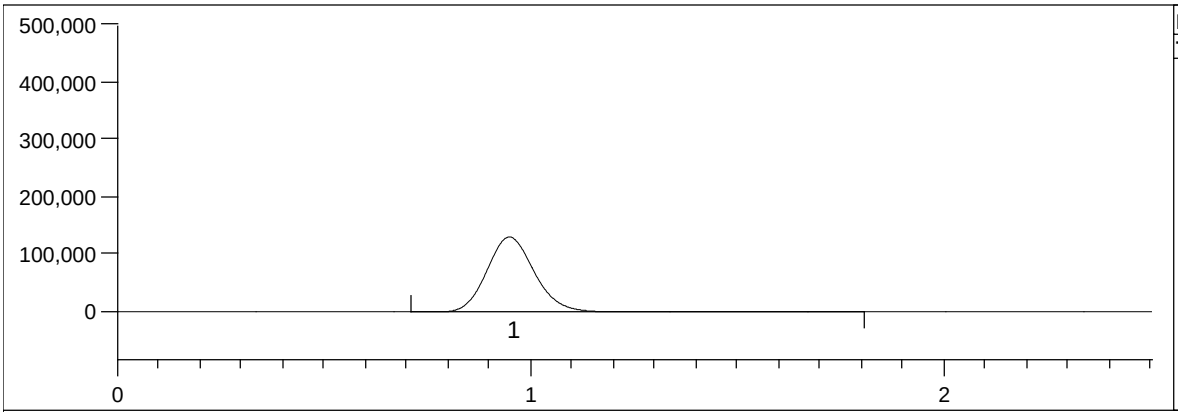
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
76	Y	CCB	SEQ-CCB		1	35,622	3.34		3.34	< 10	accept
Notes											



Date: 3/5/14
Time: 6:56 PM

Peak	rt	Area
1	0.94	9,350,584

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
77	X	S	1406028-03		1	9,350,584	875	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 7:03 PM

Peak	rt	Area
1	0.94	10,593,636

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
78	Y	S	1406028-04		1	10,593,636	991	0.00		< HS	accept
Notes											

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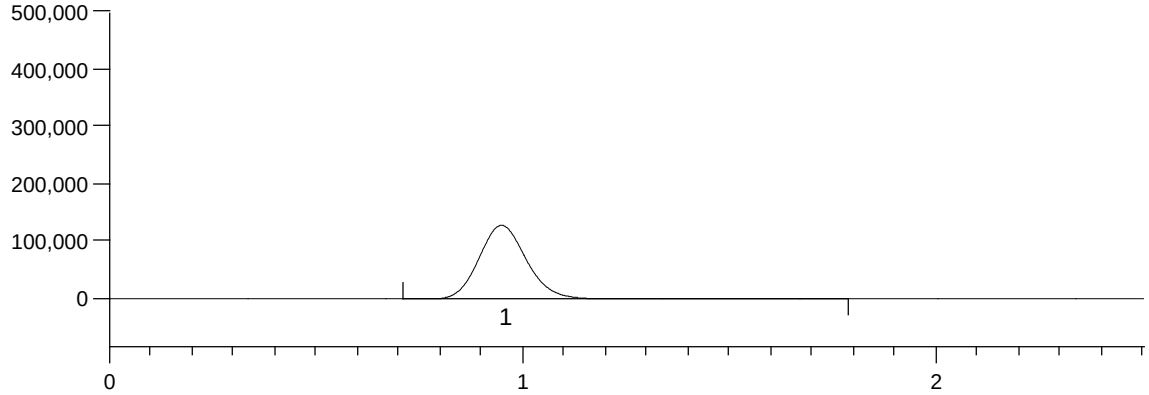
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179 **Date Analyzed:** 3/5/14
Instrument ID: THG-11 **Analyst Name:** BJT

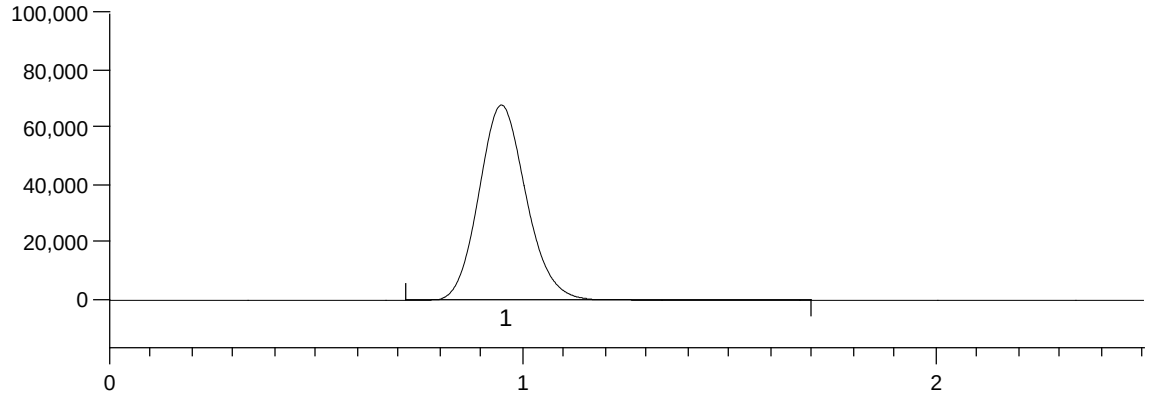


Date: 3/5/14
Time: 7:10 PM

Peak	rt	Area
1	0.94	10,399,928

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
79	X	S	1406028-05		1	10,399,928	973	0.00		< HS	accept

Notes

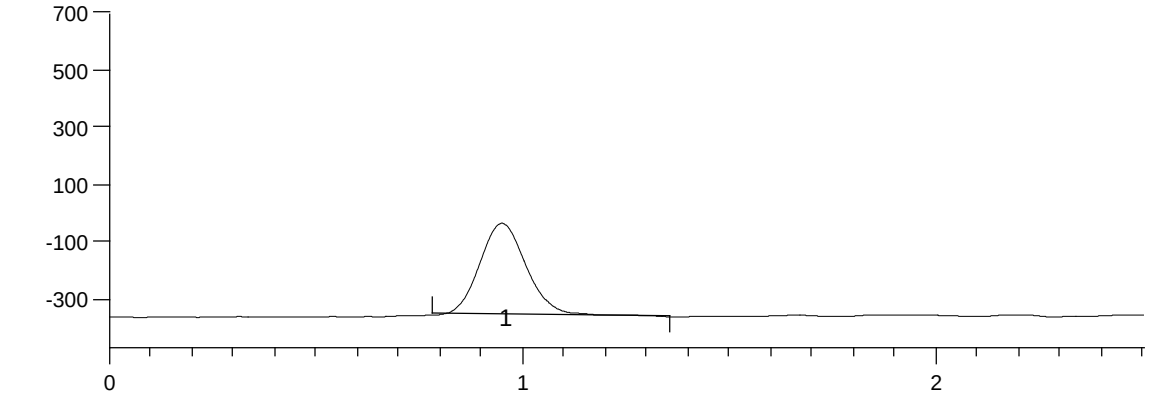


Date: 3/5/14
Time: 7:17 PM

Peak	rt	Area
1	0.94	5,507,555

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
80	Y	CCV	SEQ-CCV		1	5,507,555	515		103	77-123	accept

Notes



Date: 3/5/14
Time: 7:24 PM

Peak	rt	Area
1	0.94	26,414

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
81	X	CCB	SEQ-CCB		1	26,414	2.48		2.48	< 10	accept

Notes

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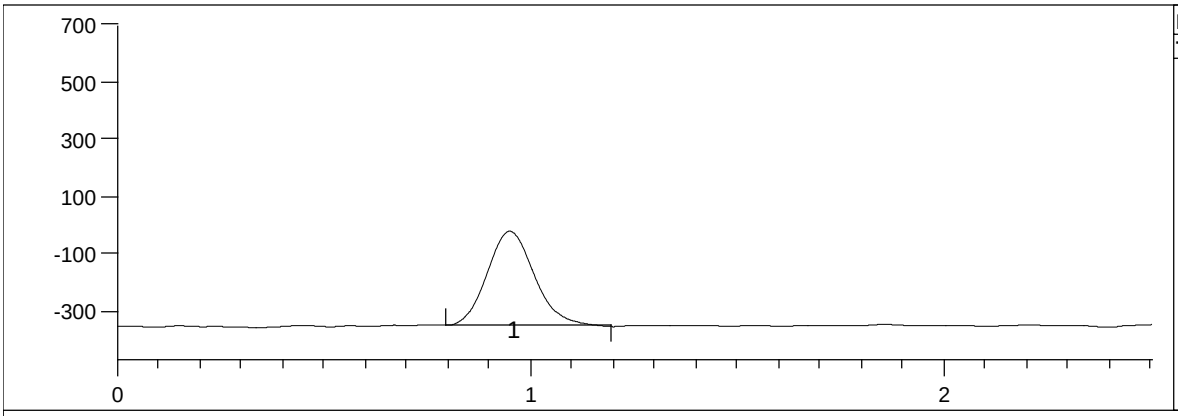
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

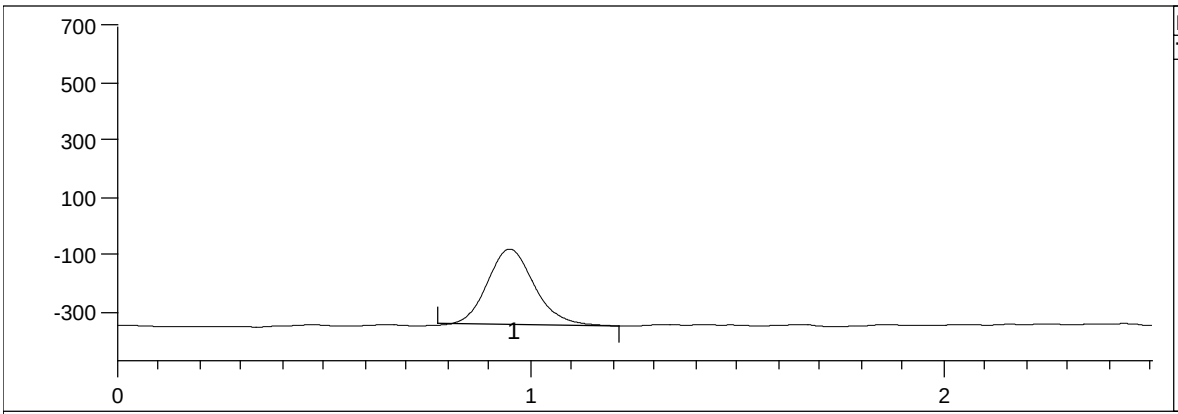


Date: 3/5/14
Time: 7:31 PM

Peak	rt	Area
1	0.94	26,735

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
82	Y	S	RINSE		1	26,735	0.923	0.00		< HS	accept

Notes

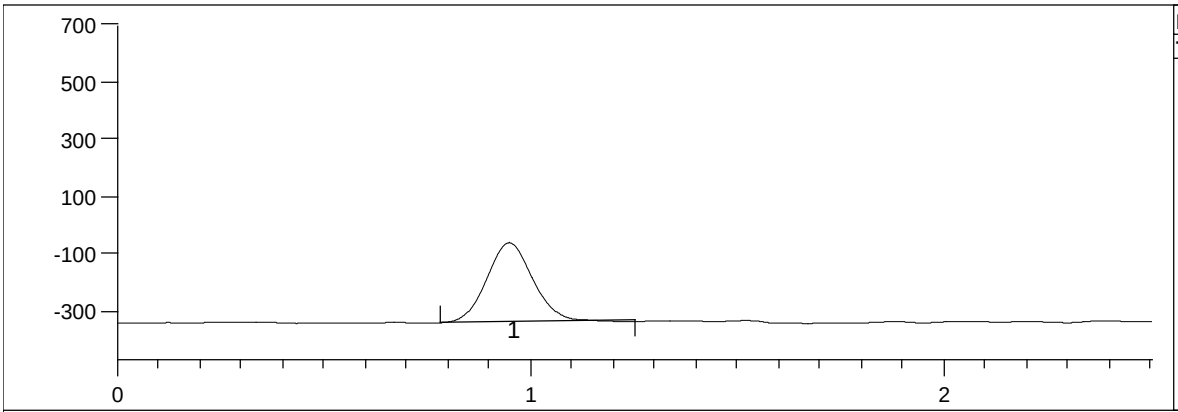


Date: 3/5/14
Time: 7:38 PM

Peak	rt	Area
1	0.94	21,769

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
83	X	S	RINSE		1	21,769	0.457	0.00		< HS	accept

Notes



Date: 3/5/14
Time: 7:45 PM

Peak	rt	Area
1	0.94	22,425

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
84	Y	S	RINSE		1	22,425	0.519	0.00		< HS	accept

Notes

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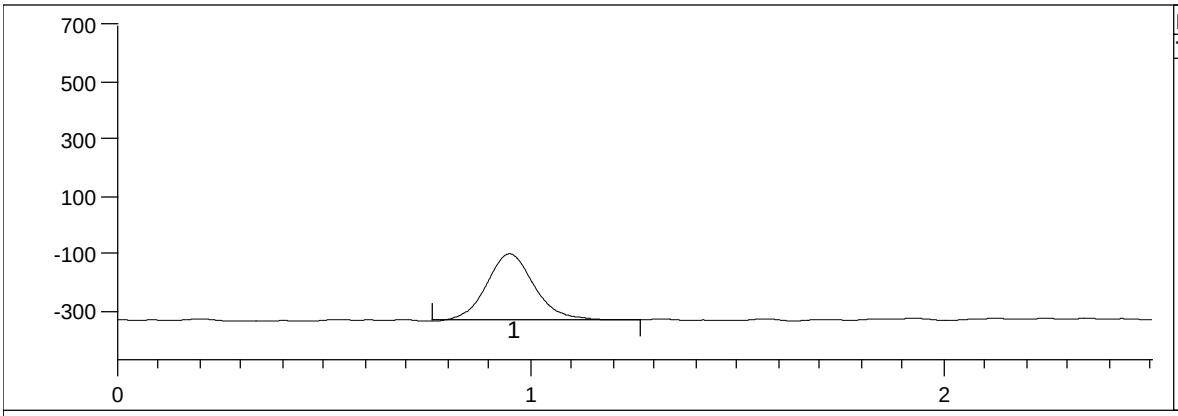
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

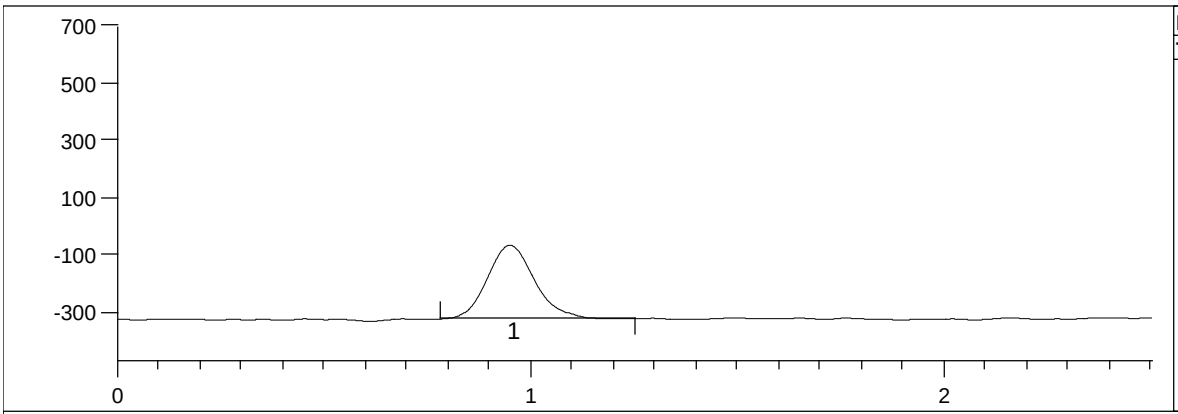
Date Analyzed: 3/5/14
Analyst Name: BJT



Date: 3/5/14
Time: 7:52 PM

Peak	rt	Area
1	0.94	19,437

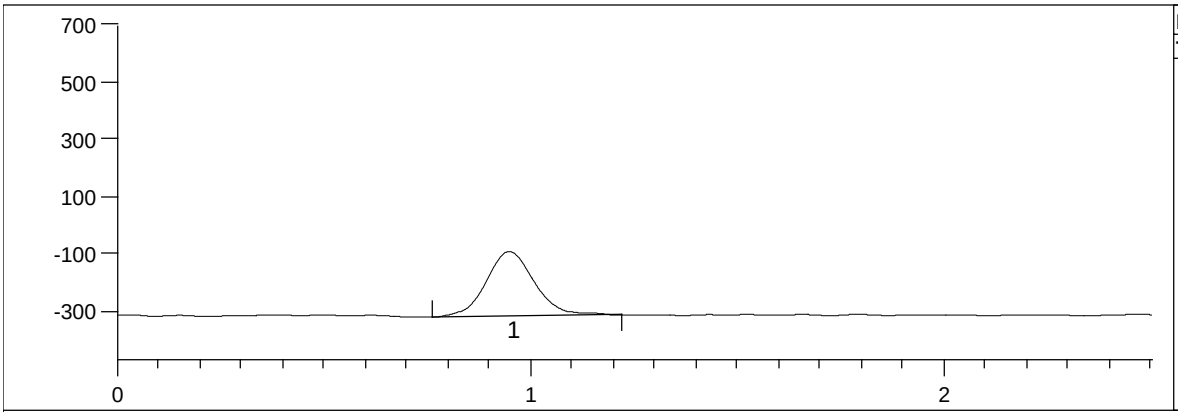
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
85	X	S	RINSE		1	19,437	0.239	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 7:59 PM

Peak	rt	Area
1	0.94	20,853

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
86	Y	S	RINSE		1	20,853	0.372	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 8:06 PM

Peak	rt	Area
1	0.94	19,052

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
87	X	S	RINSE		1	19,052	0.203	0.00		< HS	accept
Notes											

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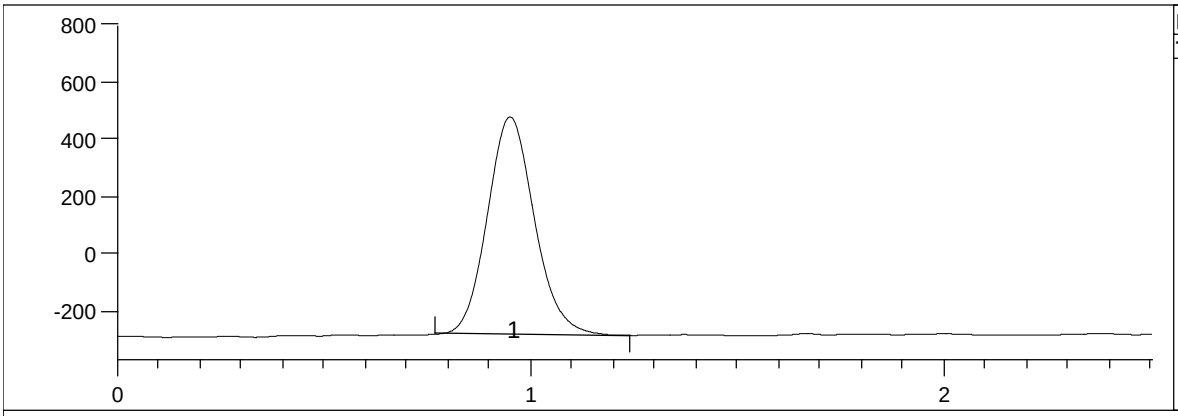
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

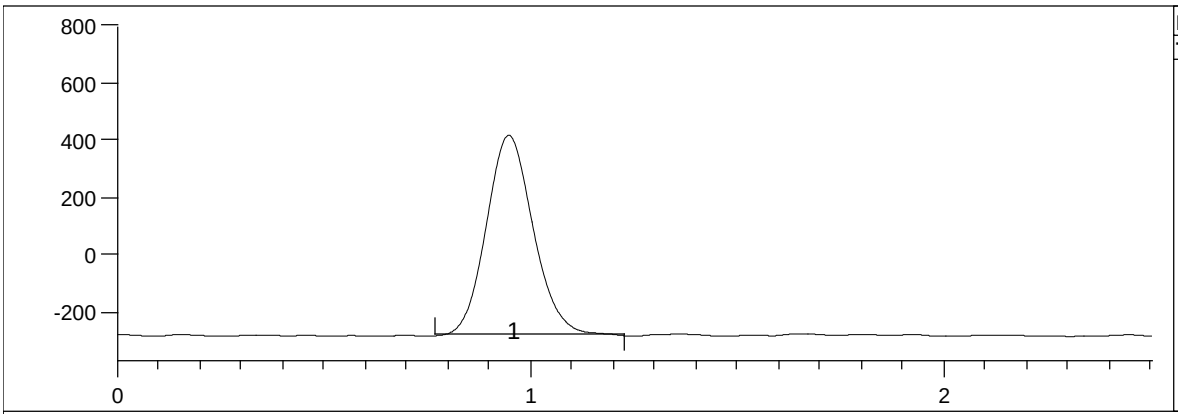


Date: 3/5/14
Time: 8:13 PM

Peak	rt	Area
1	0.94	60,729

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
88	Y	S	1		1	60,729	4.11	0.00		< HS	accept

Notes

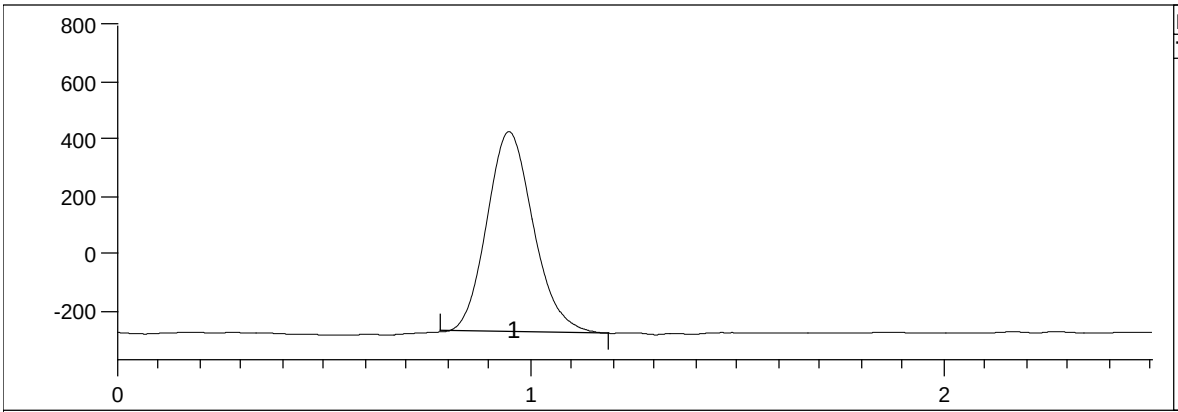


Date: 3/5/14
Time: 8:20 PM

Peak	rt	Area
1	0.94	56,004

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
89	X	S	2		1	56,004	3.67	0.00		< HS	accept

Notes



Date: 3/5/14
Time: 8:27 PM

Peak	rt	Area
1	0.94	55,458

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
90	Y	S	3		1	55,458	3.61	0.00		< HS	accept

Notes

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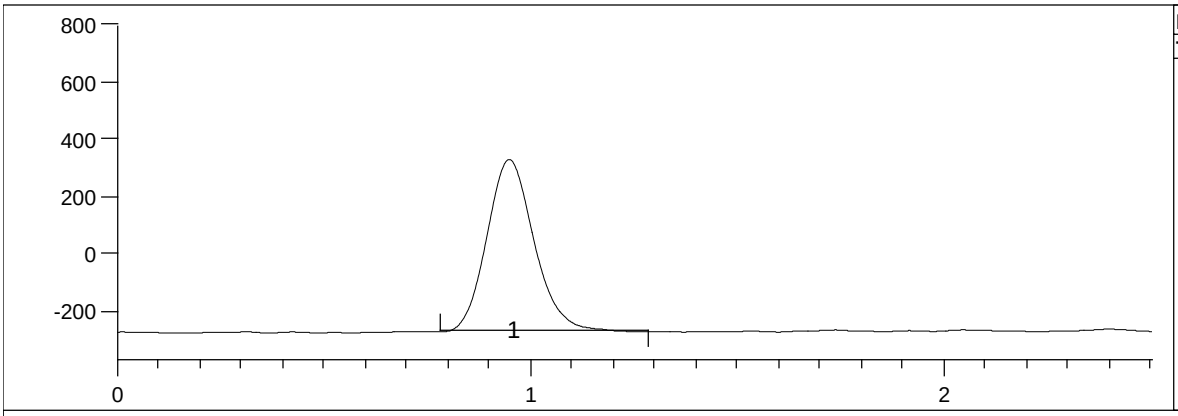
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

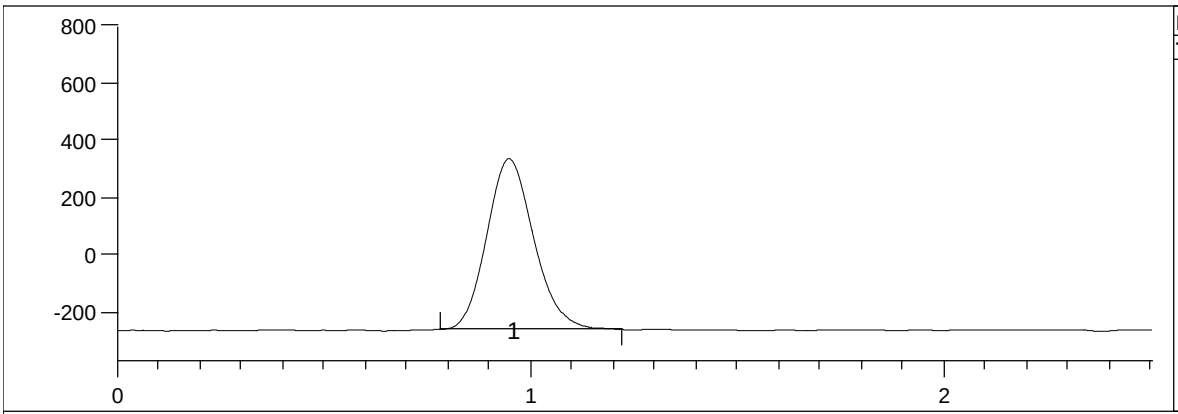


Date: 3/5/14
Time: 8:34 PM

Peak	rt	Area
1	0.94	48,533

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
91	X	S	4		1	48,533	2.97	0.00		< HS	accept

Notes

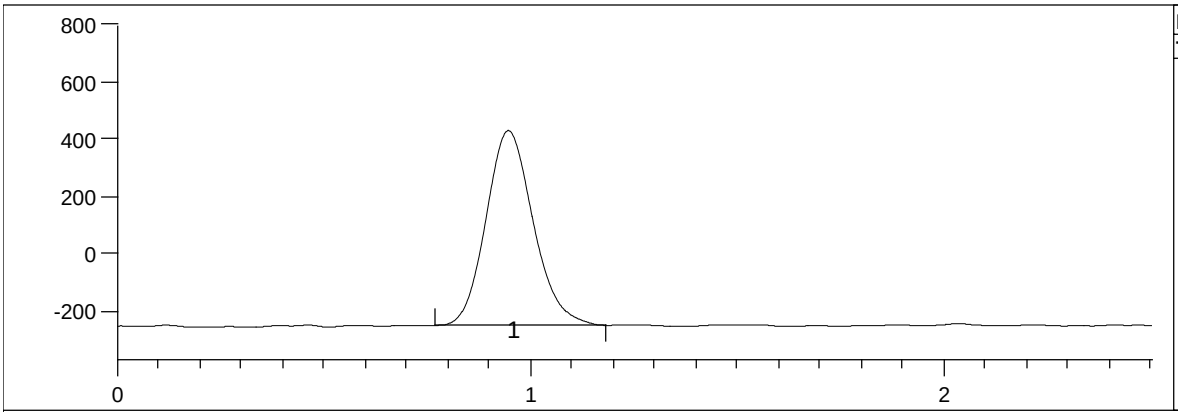


Date: 3/5/14
Time: 8:41 PM

Peak	rt	Area
1	0.94	47,638

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
92	Y	S	5		1	47,638	2.88	0.00		< HS	accept

Notes



Date: 3/5/14
Time: 8:48 PM

Peak	rt	Area
1	0.94	54,631

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
93	X	S	6		1	54,631	3.54	0.00		< HS	accept

Notes

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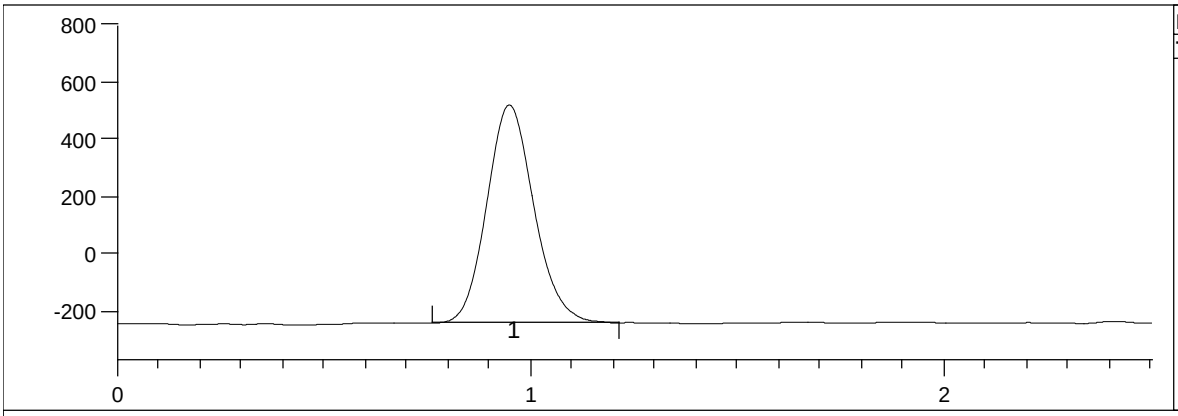
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

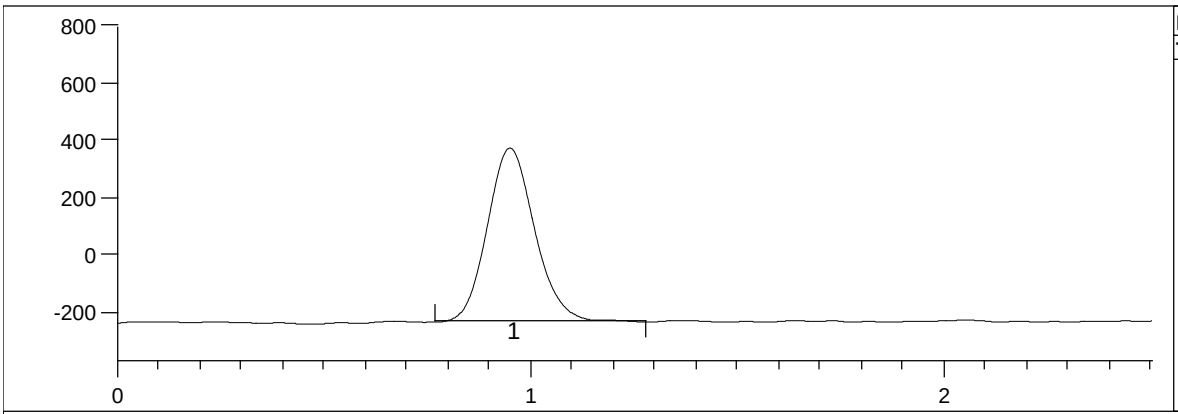


Date: 3/5/14
Time: 8:55 PM

Peak	rt	Area
1	0.94	61,018

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
94	Y	S	7		1	61,018	4.14	0.00		< HS	accept

Notes

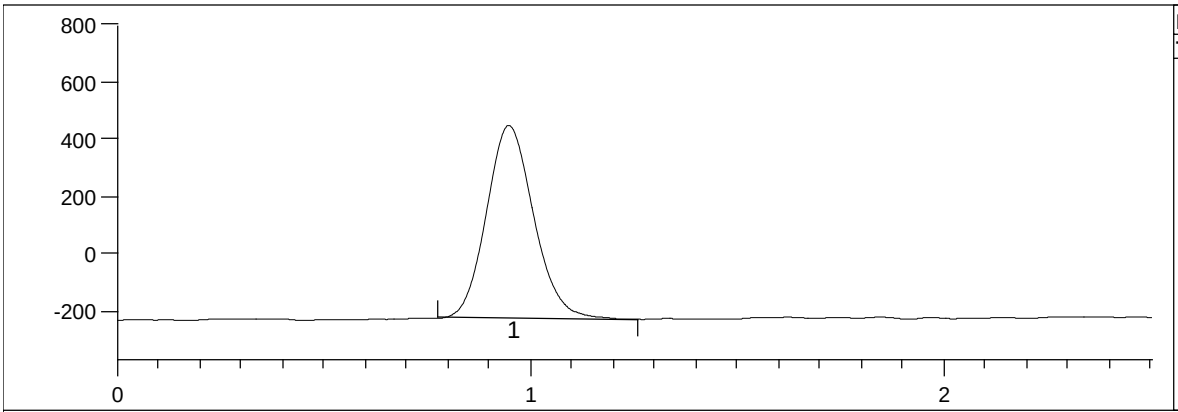


Date: 3/5/14
Time: 9:02 PM

Peak	rt	Area
1	0.94	49,198

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
95	X	S	8		1	49,198	3.03	0.00		< HS	accept

Notes



Date: 3/5/14
Time: 9:09 PM

Peak	rt	Area
1	0.94	54,346

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
96	Y	S	9		1	54,346	3.51	0.00		< HS	accept

Notes

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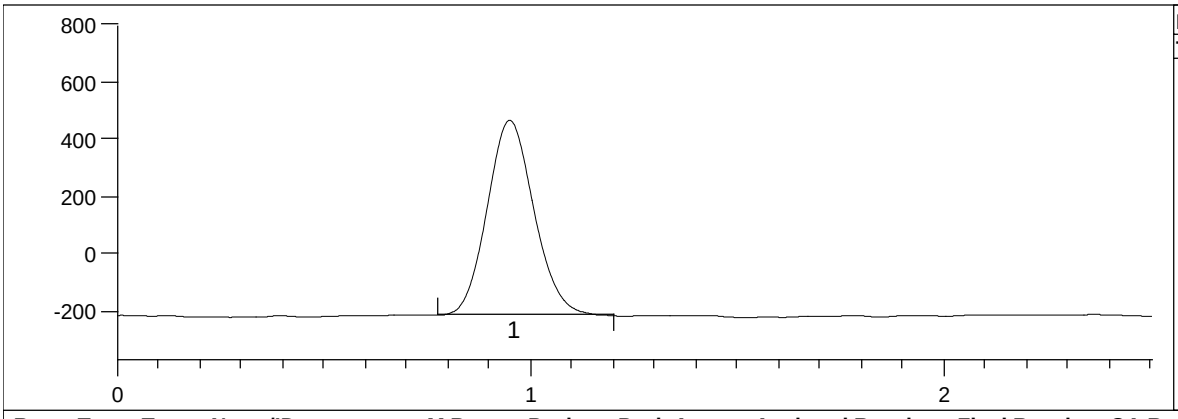
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

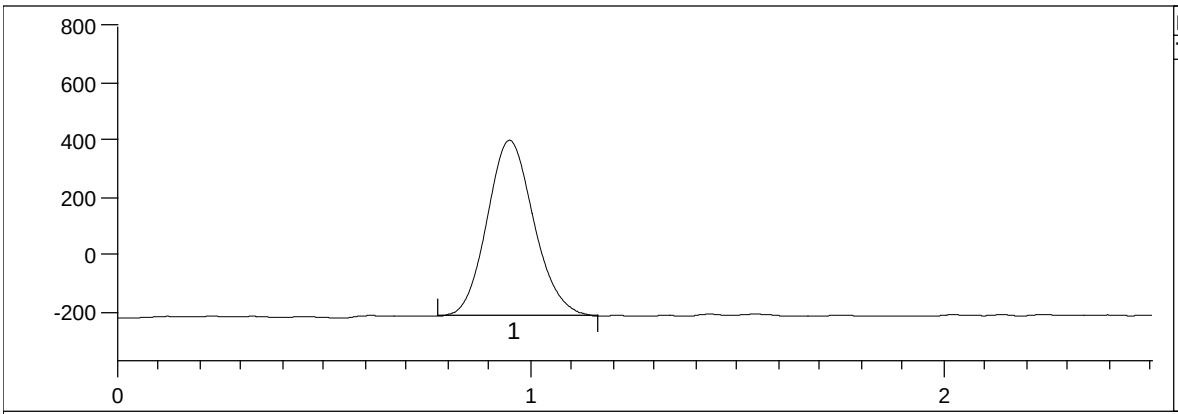


Date: 3/5/14
Time: 9:16 PM

Peak	rt	Area
1	0.94	54,357

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
97	X	S	10		1	54,357	3.51	0.00		< HS	accept

Notes

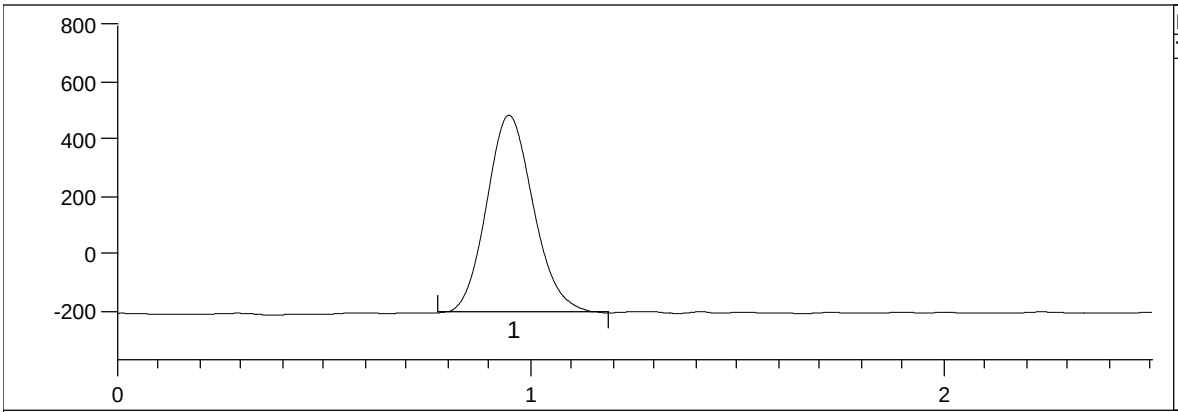


Date: 3/5/14
Time: 9:23 PM

Peak	rt	Area
1	0.94	48,906

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
98	Y	S	11		1	48,906	3.00	0.00		< HS	accept

Notes



Date: 3/5/14
Time: 9:30 PM

Peak	rt	Area
1	0.94	55,058

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
99	X	S	12		1	55,058	3.58	0.00		< HS	accept

Notes

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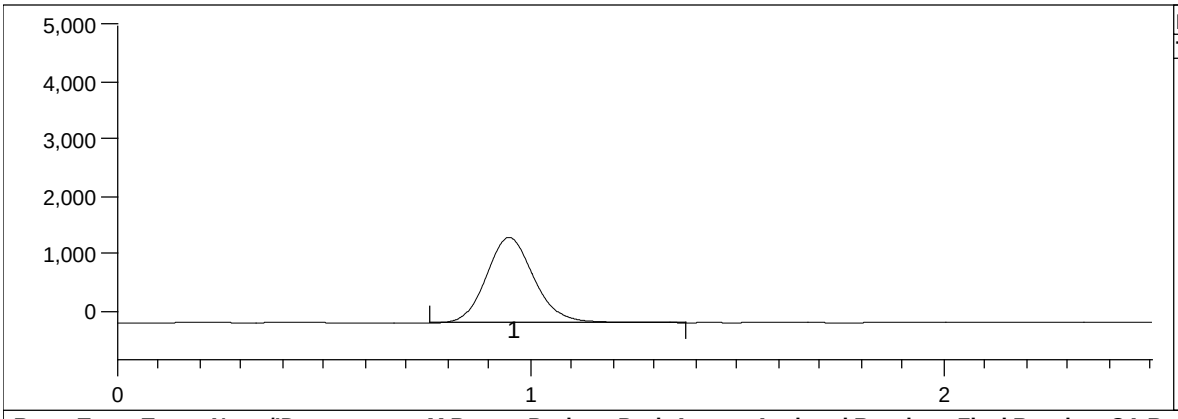
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

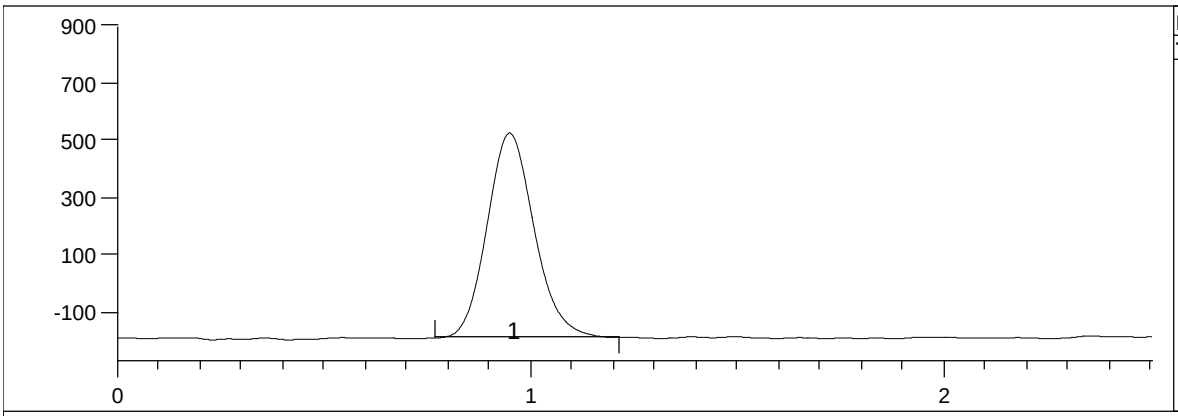
Date Analyzed: 3/5/14
Analyst Name: BJT



Date: 3/5/14
Time: 9:37 PM

Peak	rt	Area
1	0.94	122,037

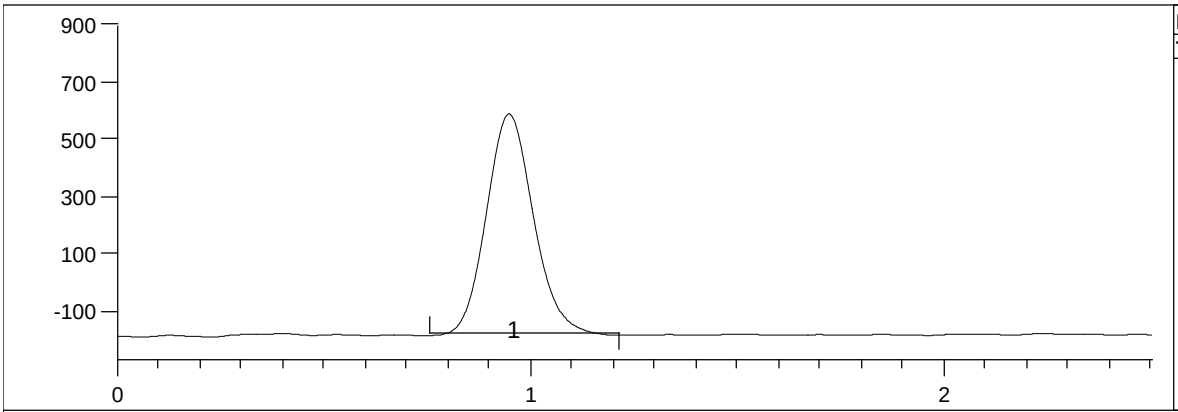
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
100	Y	S	13		1	122,037	9.85	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 9:44 PM

Peak	rt	Area
1	0.94	57,380

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
101	X	S	14		1	57,380	3.79	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 9:51 PM

Peak	rt	Area
1	0.94	62,210

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
102	Y	S	15		1	62,210	4.25	0.00		< HS	accept
Notes											

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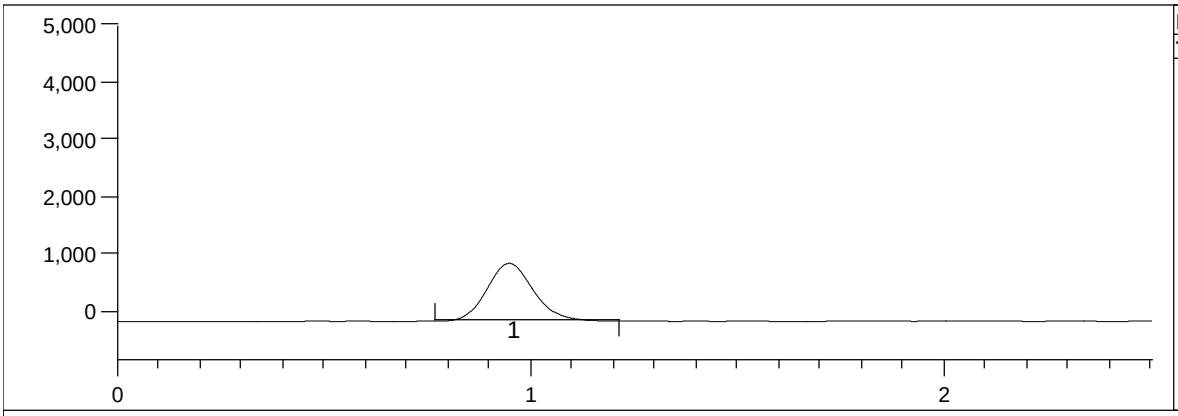
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

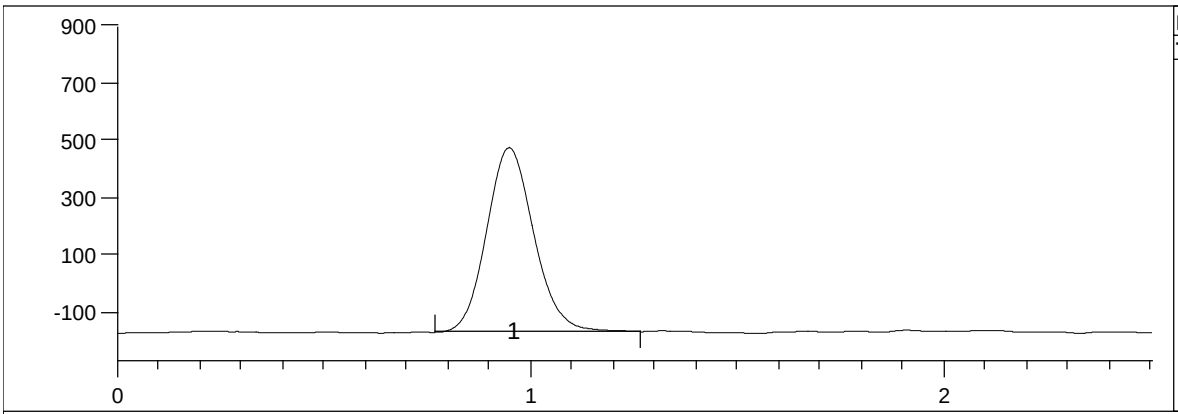
Date Analyzed: 3/5/14
Analyst Name: BJT



Date: 3/5/14
Time: 9:58 PM

Peak	rt	Area
1	0.94	81,462

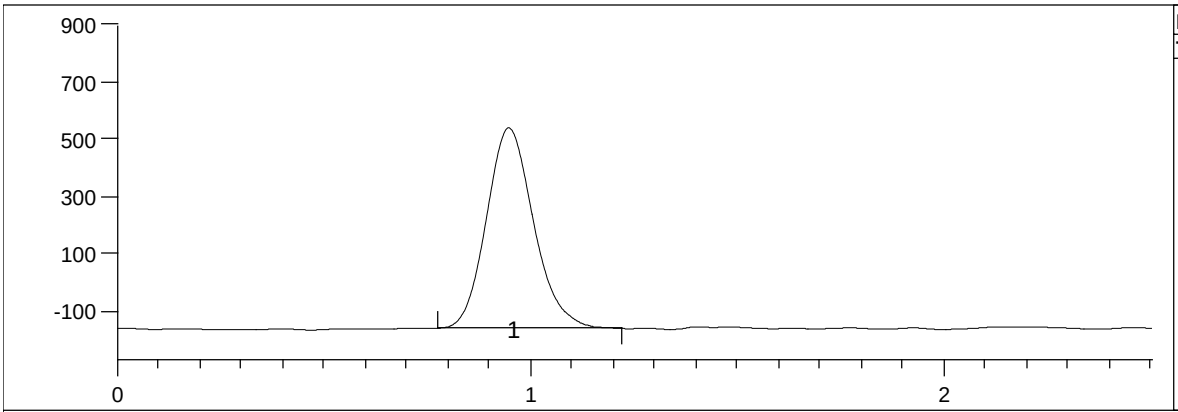
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
103	X	S	16		1	81,462	6.05	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 10:05 PM

Peak	rt	Area
1	0.94	51,907

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
104	Y	S	17		1	51,907	3.28	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 10:12 PM

Peak	rt	Area
1	0.94	55,989

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
105	X	S	18		1	55,989	3.66	0.00		< HS	accept
Notes											

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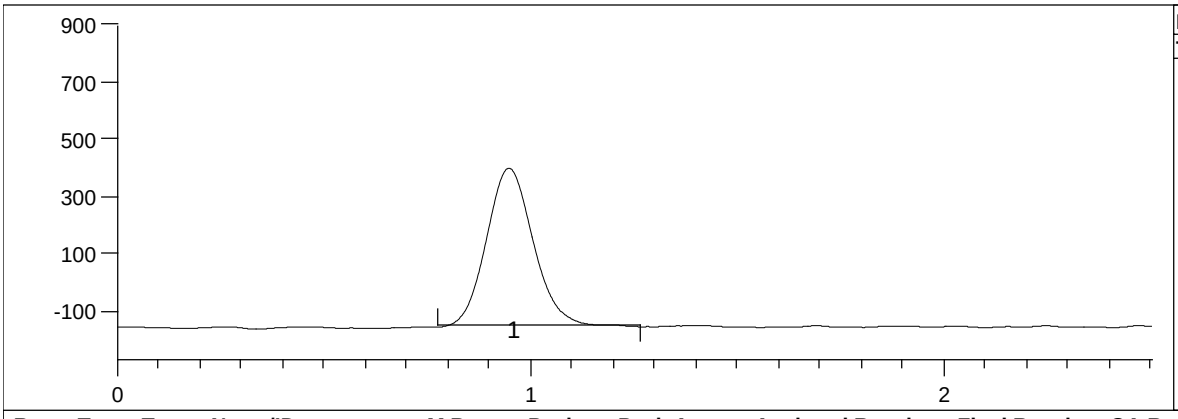
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT

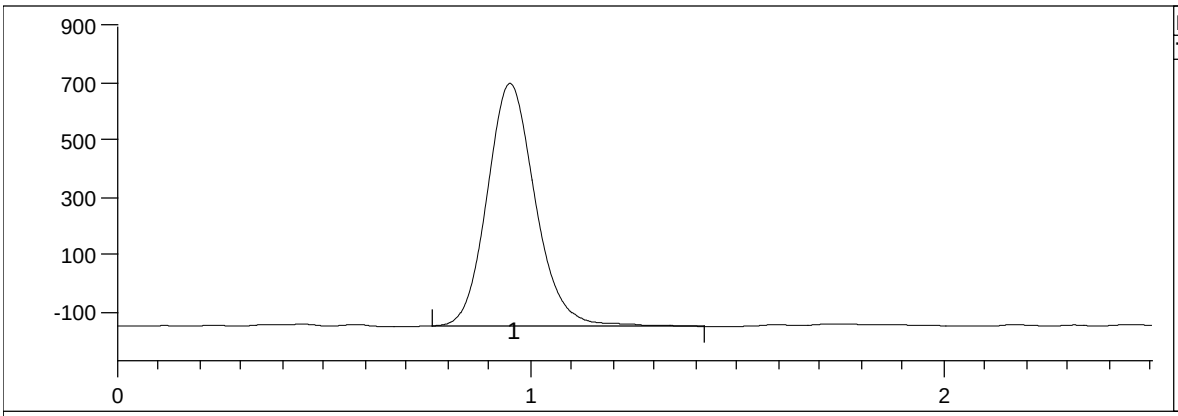


Date: 3/5/14
Time: 10:19 PM

Peak	rt	Area
1	0.94	44,488

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
106	Y	S	19		1	44,488	2.59	0.00		< HS	accept

Notes

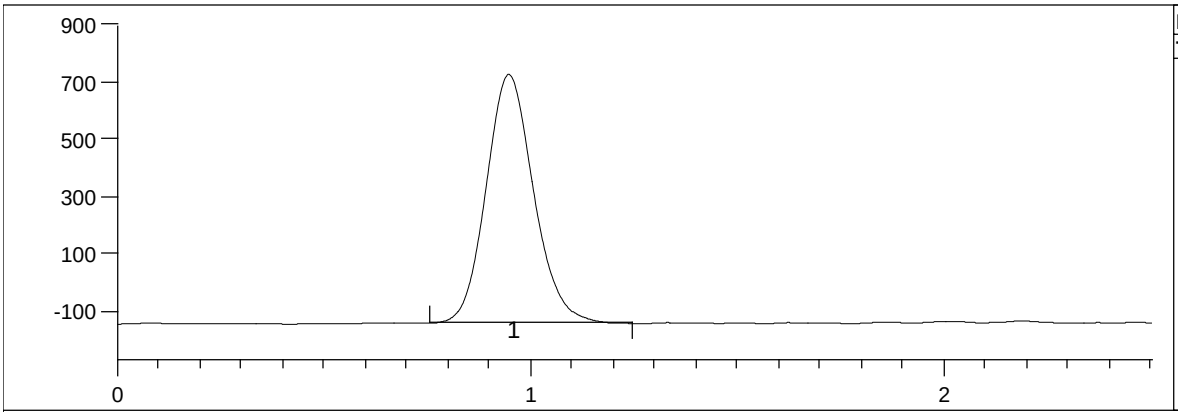


Date: 3/5/14
Time: 10:26 PM

Peak	rt	Area
1	0.94	69,124

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
107	X	S	20		1	69,124	4.90	0.00		< HS	accept

Notes



Date: 3/5/14
Time: 10:33 PM

Peak	rt	Area
1	0.94	70,097

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
108	Y	S	21		1	70,097	4.99	0.00		< HS	accept

Notes

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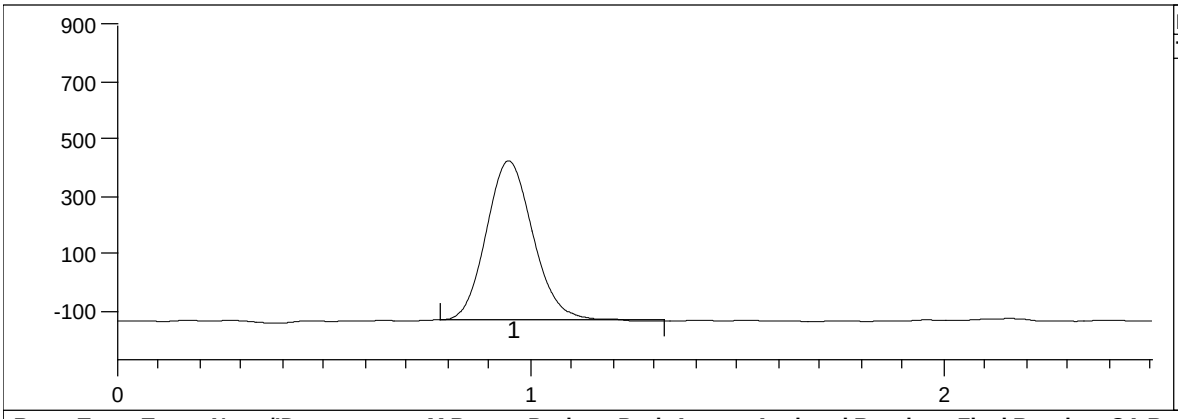
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

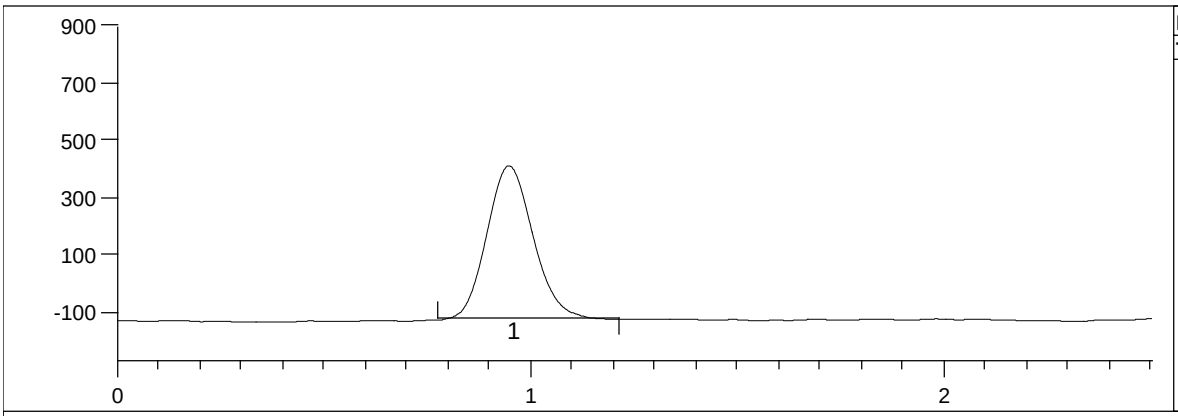
Date Analyzed: 3/5/14
Analyst Name: BJT



Date: 3/5/14
Time: 10:40 PM

Peak	rt	Area
1	0.94	44,416

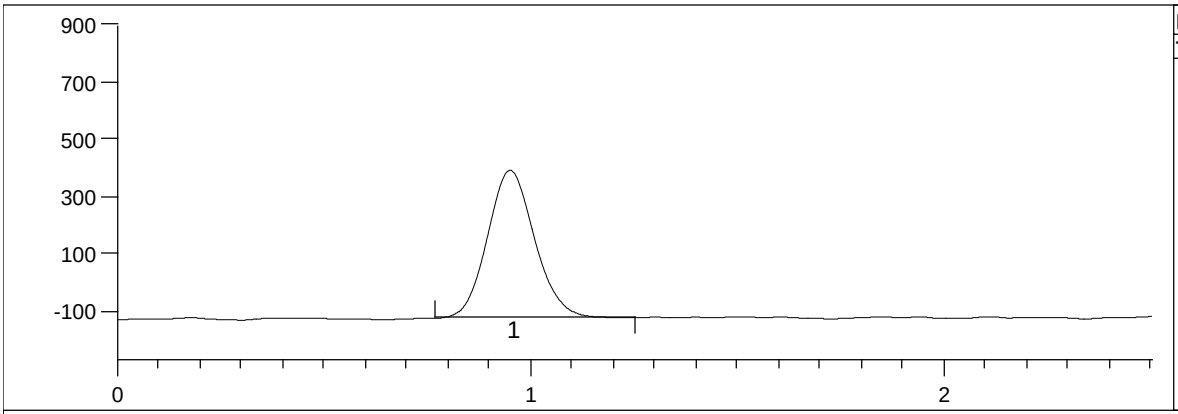
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
109	X	S	22		1	44,416	2.58	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 10:47 PM

Peak	rt	Area
1	0.94	42,956

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
110	Y	S	23		1	42,956	2.44	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 10:54 PM

Peak	rt	Area
1	0.94	41,831

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
111	X	S	24		1	41,831	2.34	0.00		< HS	accept
Notes											

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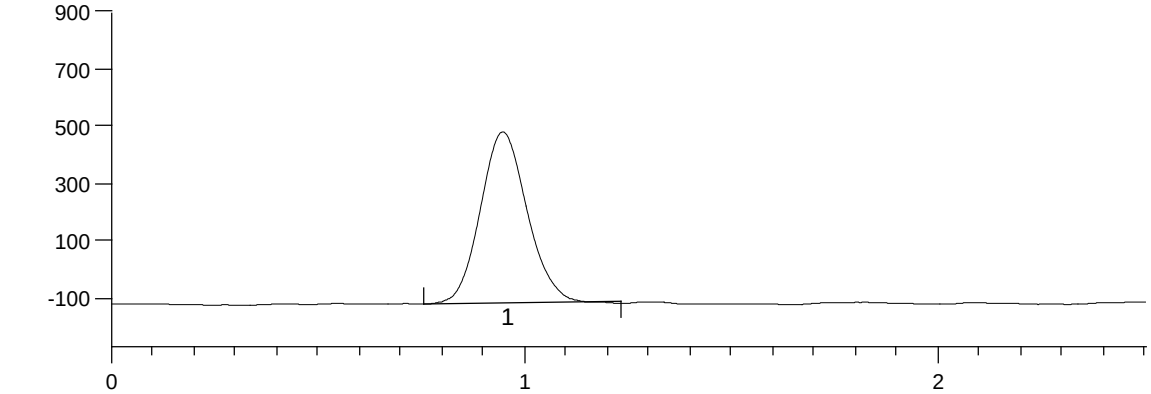
Peak Report

Batch Number: B140299, 196
Method Number: CVAFS BR-0006

Project Number(s): 1400179
Instrument ID: THG-11

Date Analyzed: 3/5/14
Analyst Name: BJT



Date: 3/5/14
Time: 11:01 PM

Peak	rt	Area
1	0.94	48,464

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
112	Y	S	25		1	48,464	2.96	0.00		< HS	accept
Notes											

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ANALYSIS SEQUENCE

1400181

Brooks Rand Labs

Instrument: HGAAS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400181-IBL1	1400181	QC	1		-			
1400181-IBL2	1400181	QC	2		-			
1400181-IBL3	1400181	QC	3		-			
1400181-CAL1	1400181	QC	4	1410027	-			
1400181-CAL2	1400181	QC	5	1410028	-			
1400181-CAL3	1400181	QC	6	1410029	-			
1400181-CAL4	1400181	QC	7	1410030	-			
1400181-CAL5	1400181	QC	8	1410031	-			
1400181-ICV1	1400181	QC	9	1410008	-			
1400181-CCV1	1400181	QC	10	1410007	-			
1400181-CCB1	1400181	QC	11		-			
B140302-BLK1	B140302	QC	12		-			
B140302-BLK2	B140302	QC	13		-			
B140302-BLK3	B140302	QC	14		-			
B140302-BS1	B140302	QC	15		-			
B140302-BS2	B140302	QC	16		-			
1408020-01	B140302	As(III)-B-HClExt-HGAAS	17			ARD-MV1302	3/14/2014	
B140302-DUP1	B140302	QC	18		1408020-01			
B140302-MS1	B140302	QC	19		1408020-01			
B140302-MSD1	B140302	QC	20		1408020-01			
1408020-02	B140302	As(III)-B-HClExt-HGAAS	21			ARD-MV1302	3/14/2014	
1408020-03	B140302	As(III)-B-HClExt-HGAAS	22			ARD-MV1302	3/14/2014	
1408020-04	B140302	As(III)-B-HClExt-HGAAS	23			ARD-MV1302	3/14/2014	
1408020-05	B140302	As(III)-B-HClExt-HGAAS	24			ARD-MV1302	3/14/2014	
1408020-06	B140302	As(III)-B-HClExt-HGAAS	25			ARD-MV1302	3/14/2014	
1408020-07	B140302	As(III)-B-HClExt-HGAAS	26			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400181

Brooks Rand Labs

Instrument: HGAAS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-08	B140302	As(III)-B-HClExt-HGAAS	27			ARD-MV1302	3/14/2014	
1400181-CCV2	1400181	QC	28	1410007	-			
1400181-CCB2	1400181	QC	29		-			
1408020-09	B140302	As(III)-B-HClExt-HGAAS	30			ARD-MV1302	3/14/2014	
1408020-10	B140302	As(III)-B-HClExt-HGAAS	31			ARD-MV1302	3/14/2014	
B140302-DUP2	B140302	QC	32		1408020-10			
B140302-MS2	B140302	QC	33		1408020-10			
B140302-MSD2	B140302	QC	34		1408020-10			
1408020-11	B140302	As(III)-B-HClExt-HGAAS	35			ARD-MV1302	3/14/2014	
1408020-12	B140302	As(III)-B-HClExt-HGAAS	36			ARD-MV1302	3/14/2014	
1408020-13	B140302	As(III)-B-HClExt-HGAAS	37			ARD-MV1302	3/14/2014	
1408020-14	B140302	As(III)-B-HClExt-HGAAS	38			ARD-MV1302	3/14/2014	
1408020-15	B140302	As(III)-B-HClExt-HGAAS	39			ARD-MV1302	3/14/2014	
1408020-16	B140302	As(III)-B-HClExt-HGAAS	40			ARD-MV1302	3/14/2014	
1400181-CCV3	1400181	QC	41	1410007	-			
1400181-CCB3	1400181	QC	42		-			
1408020-17	B140302	As(III)-B-HClExt-HGAAS	43			ARD-MV1302	3/14/2014	
1408020-18	B140302	As(III)-B-HClExt-HGAAS	44			ARD-MV1302	3/14/2014	
1408020-19	B140302	As(III)-B-HClExt-HGAAS	45			ARD-MV1302	3/14/2014	
1408020-20	B140302	As(III)-B-HClExt-HGAAS	46			ARD-MV1302	3/14/2014	
B140302-DUP3	B140302	QC	47		1408020-20			
B140302-MS3	B140302	QC	48		1408020-20			
B140302-MSD3	B140302	QC	49		1408020-20			
1408020-21	B140302	As(III)-B-HClExt-HGAAS	50			ARD-MV1302	3/14/2014	
1408020-22	B140302	As(III)-B-HClExt-HGAAS	51			ARD-MV1302	3/14/2014	
1408020-23	B140302	As(III)-B-HClExt-HGAAS	52			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400181

Brooks Rand Labs

Instrument: HGAAS-2

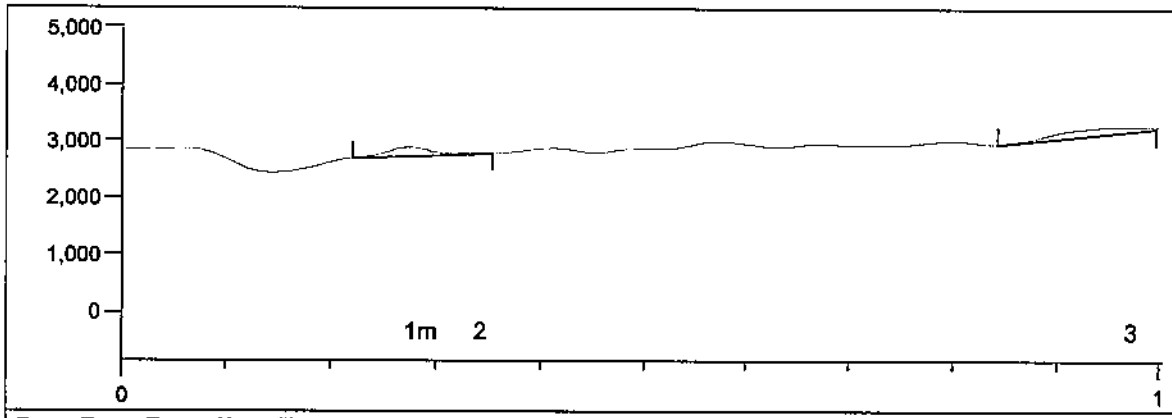
Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-24	B140302	As(III)-B-HClExt-HGAAS	53			ARD-MV1302	3/14/2014	
1400181-CCV4	1400181	QC	54	1410007	-			
1400181-CCB4	1400181	QC	55		-			

Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

Date Analyzed: 3/5/14
Analyst Name: IRJ

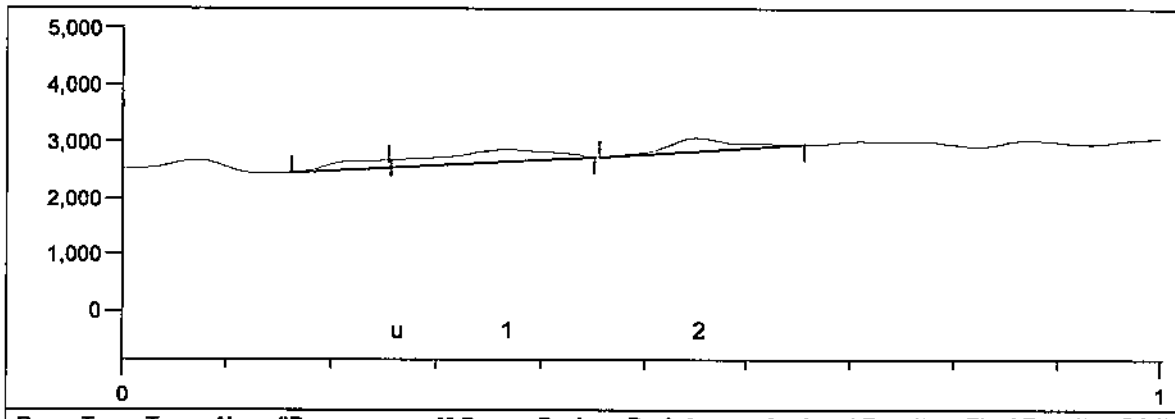


Date: 3/5/14
Time: 9:10 AM

Peak	rt	Area
1m	0.27	3,921
2	0.34	325
3	0.96	5,713

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1		CB	SEQ-IBL1		1m	3,921	0.0195		0.0195	< 0.40	accept
Notes											

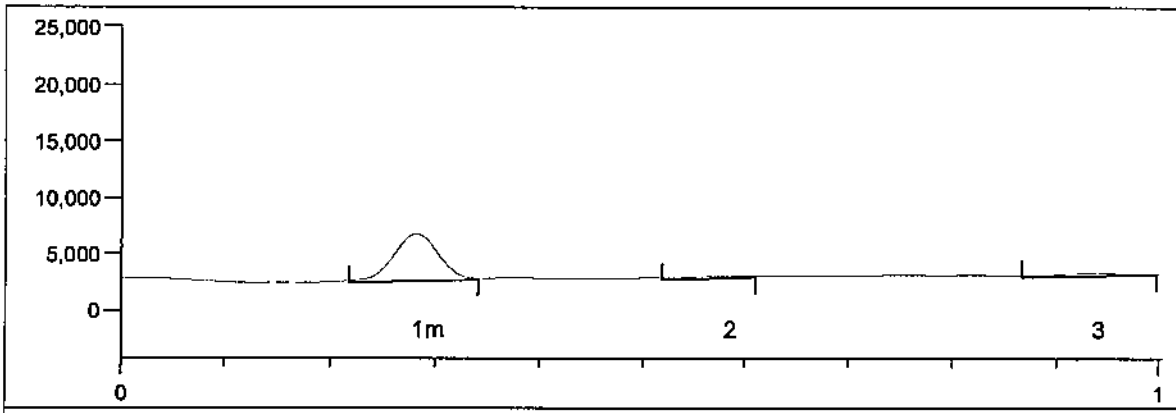


Date: 3/5/14
Time: 9:14 AM

Peak	rt	Area
1	0.36	22,800
2	0.55	10,974
u	0.26	0

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2		CB	SEQ-IBL2		u	0	0.00		0.00	< 0.40	accept
Notes											



Date: 3/5/14
Time: 9:22 AM

Peak	rt	Area
1m	0.28	114,407
2	0.58	2,347
3	0.93	6,722

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4		STD	SEQ-CAL1		1m	114,407	0.563		113	80-120	accept
Notes											

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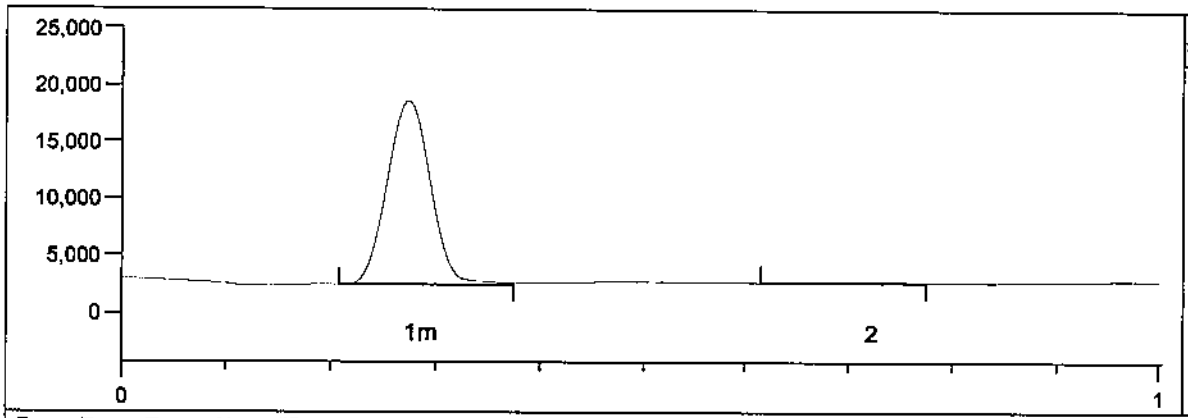
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

Date Analyzed: 3/5/14
Analyst Name: IRJ

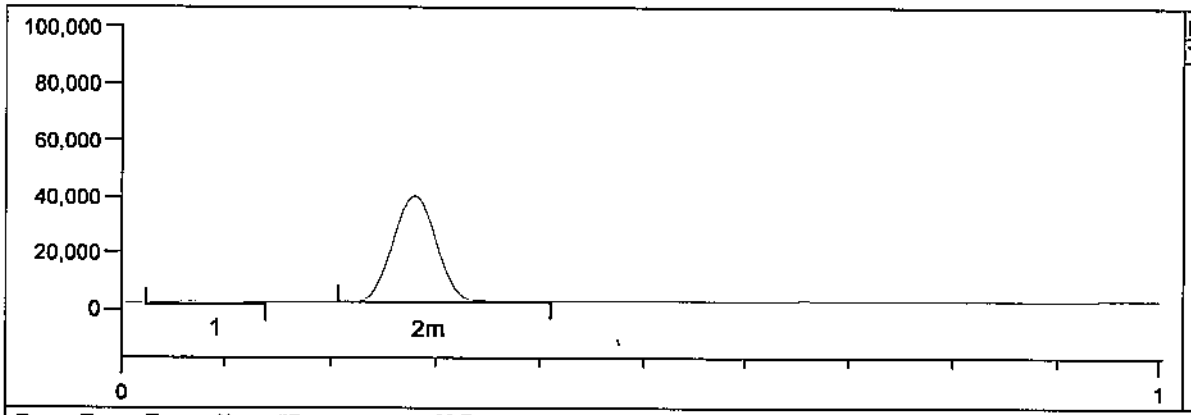


Date: 3/5/14
Time: 9:26 AM

Peak	rt	Area
1m	0.27	457,190
2	0.72	9,056

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5		STD	SEQ-CAL2		1m	457,190	2.27		113	80-120	accept
Notes											

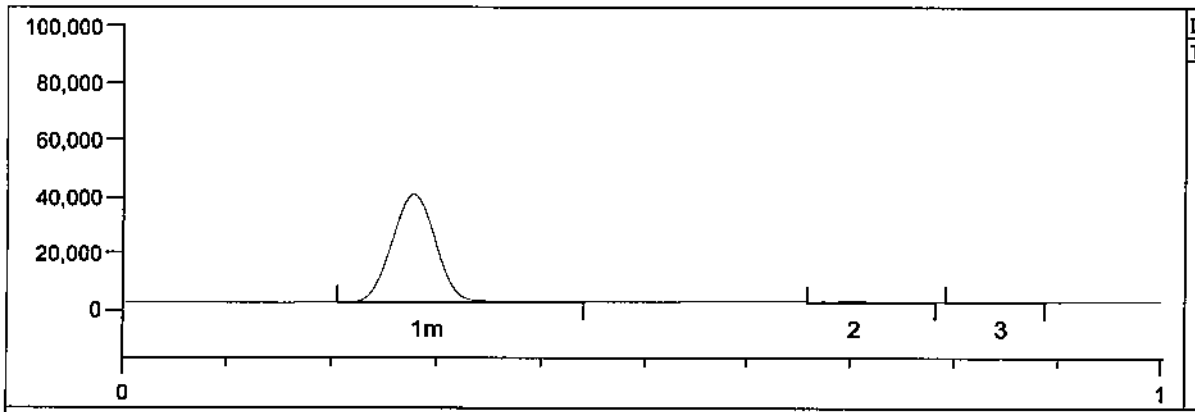


Date: 3/5/14
Time: 9:44 AM

Peak	rt	Area
1	0.08	5,565
2m	0.28	1,096,562

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9		OPR	SEQ-ICV		2m	1,096,562	5.45		109	80-120	accept
Notes											



Date: 3/5/14
Time: 9:48 AM

Peak	rt	Area
1m	0.27	1,127,471
2	0.70	6,660
3	0.84	4,371

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10		OPR	SEQ-CCV		1m	1,127,471	5.61		112	80-120	accept
Notes											

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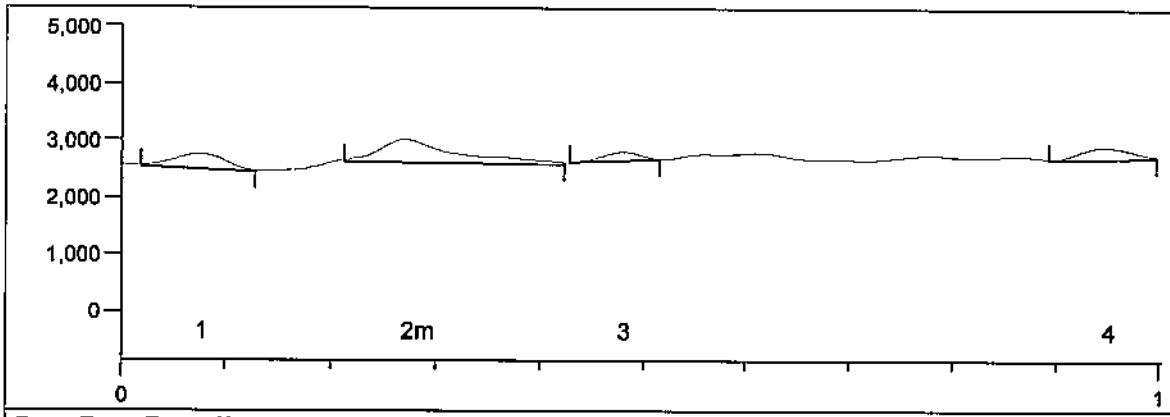
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

Date Analyzed: 3/5/14
Analyst Name: IRJ

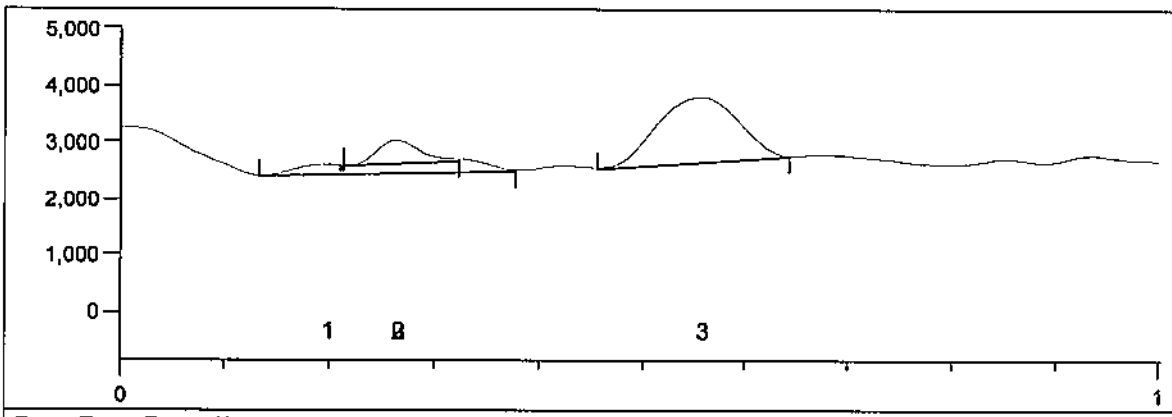


Date: 3/5/14
Time: 9:58 AM

Peak	rt	Area
1	0.07	7,483
2m	0.27	15,626
3	0.48	3,881
4	0.94	6,072

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12		S	B140302-BLK1		2m	15,626	0.0713	0.00		< HS	accept
Notes											

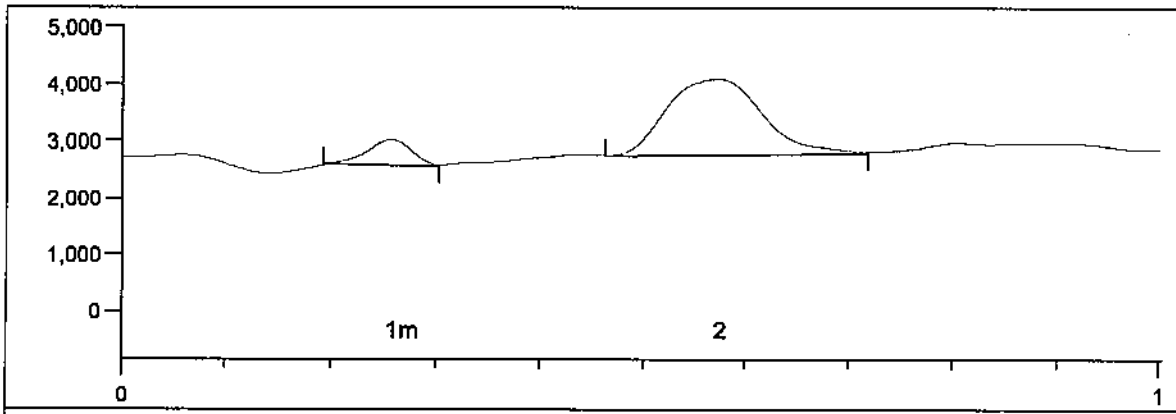


Date: 3/5/14
Time: 10:25 AM

Peak	rt	Area
1	0.19	5,590
2	0.26	27,090
3	0.55	61,730
u	0.26	10,676

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17		S	1408020-01		u	10,676	0.0466	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 10:30 AM

Peak	rt	Area
1m	0.25	12,628
2	0.57	83,261

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18		S	B140302-DUP1		1m	12,628	0.0564	0.00		< HS	accept
Notes											

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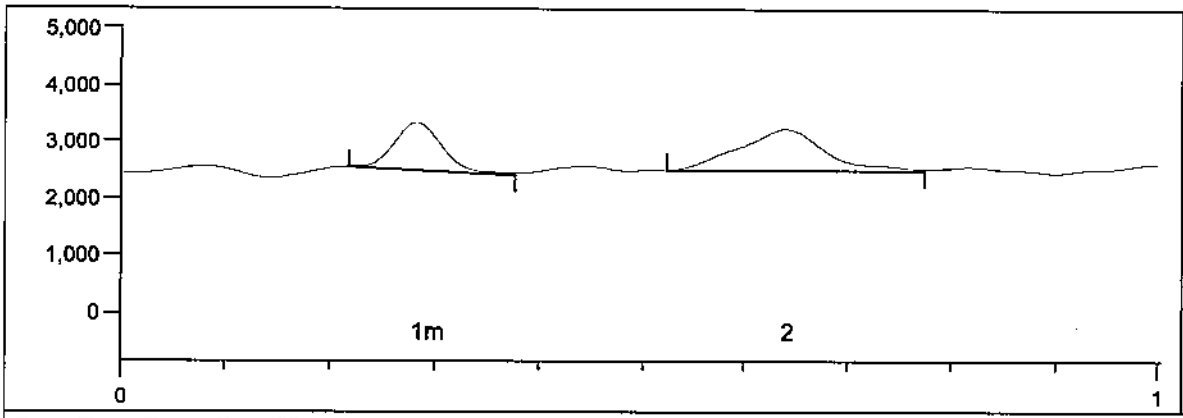
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

Date Analyzed: 3/5/14
Analyst Name: IRJ

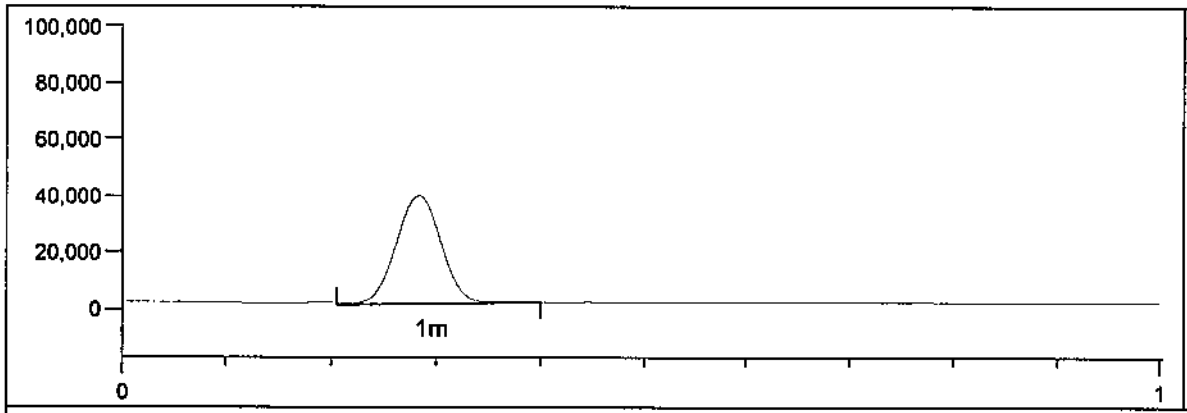


Date: 3/5/14
Time: 11:06 AM

Peak	rt	Area
1m	0.28	24,482
2	0.64	40,800

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24		S	1408020-05		1m	24,482	0.115	0.00		< HS	accept
Notes											

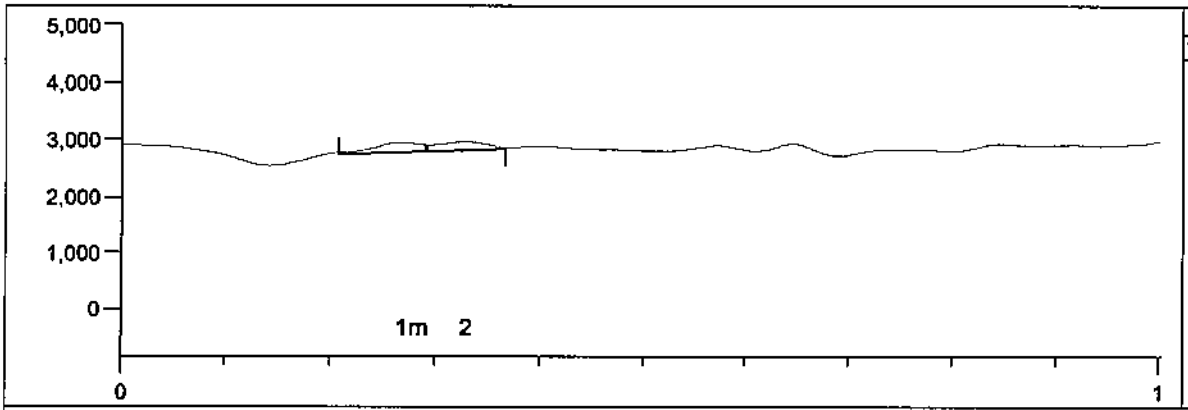


Date: 3/5/14
Time: 11:25 AM

Peak	rt	Area
1m	0.28	1,114,132

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
28		OPR	SEQ-CCV		1m	1,114,132	5.54		111	80-120	accept
Notes											



Date: 3/5/14
Time: 11:29 AM

Peak	rt	Area
1m	0.26	3,857
2	0.32	3,763

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29		CCB	SEQ-CCB		1m	3,857	0.0192		0.0192	< 0.40	accept
Notes											

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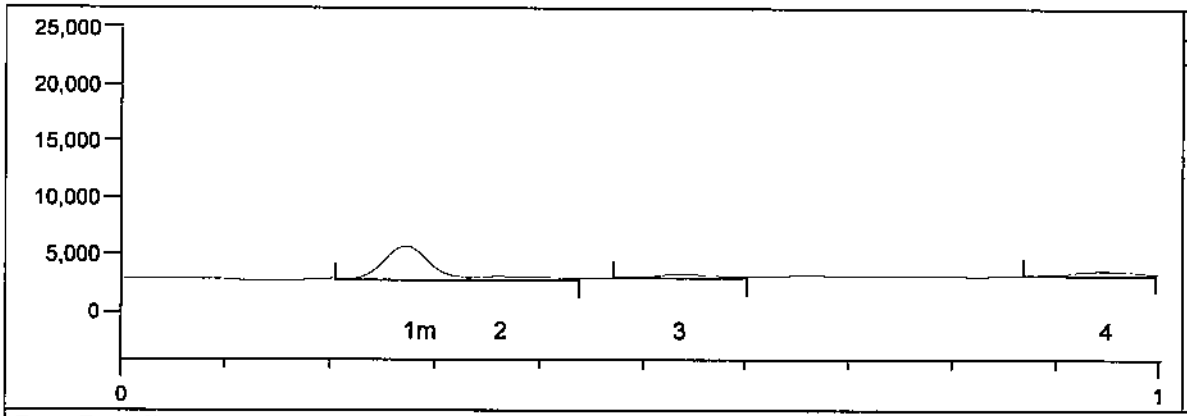
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

Date Analyzed: 3/5/14
Analyst Name: IRJ

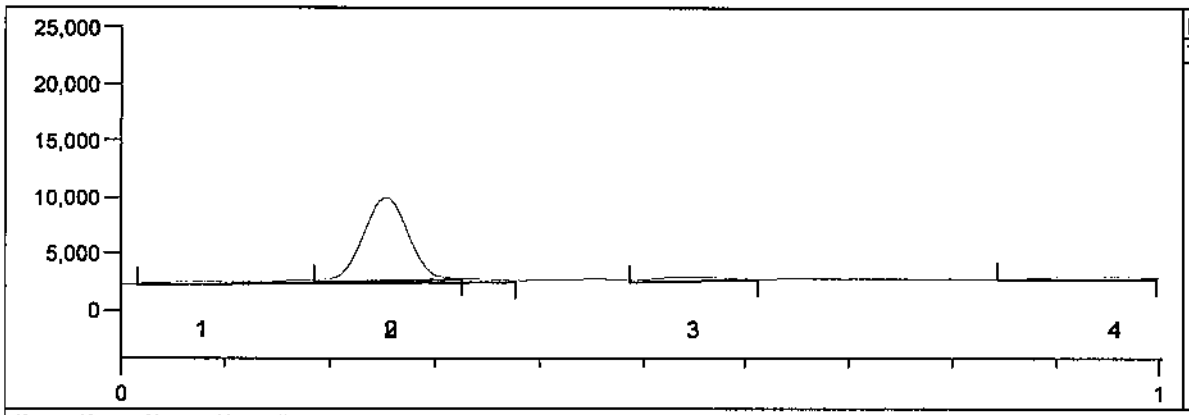


Date: 3/5/14
Time: 1:14 PM

Peak	rt	Area
1m	0.27	81,380
2	0.36	7,279
3	0.53	9,807
4	0.94	12,757

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
36		S	1408020-12		1m	81,380	0.399	0.00		< HS	accept
Notes											

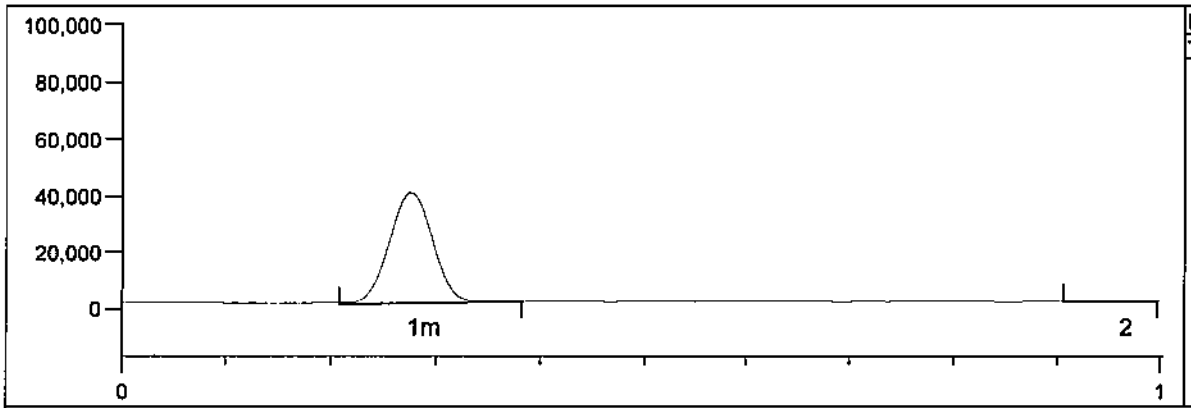


Date: 3/5/14
Time: 1:28 PM

Peak	rt	Area
1	0.07	5,992
2	0.25	234,916
3	0.54	10,696
4	0.95	9,066
u	0.25	209,648

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
39		S	1408020-15		u	209,648	1.04	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 1:37 PM

Peak	rt	Area
1m	0.27	1,108,139
2	0.96	3,076

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
41		OPR	SEQ-CCV		1m	1,108,139	5.51		110.	80-120	accept
Notes											

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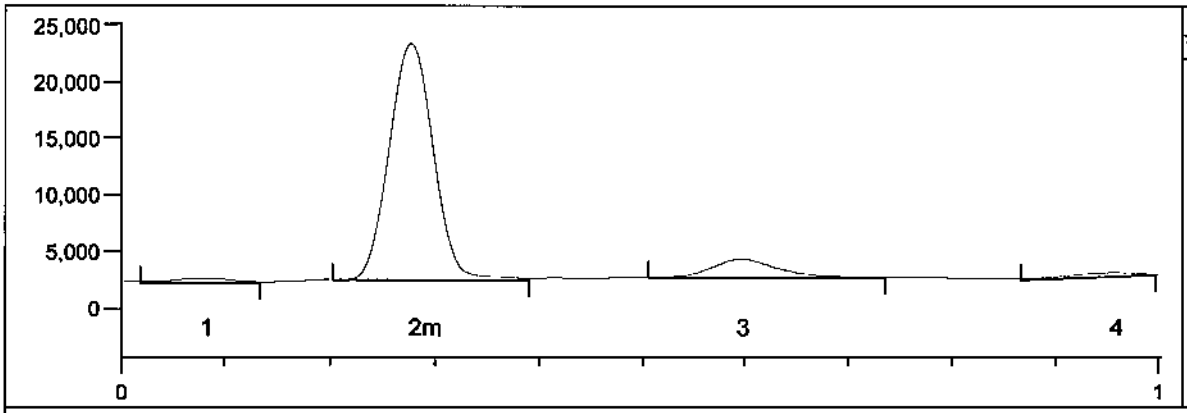
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

Date Analyzed: 3/5/14
Analyst Name: IRJ

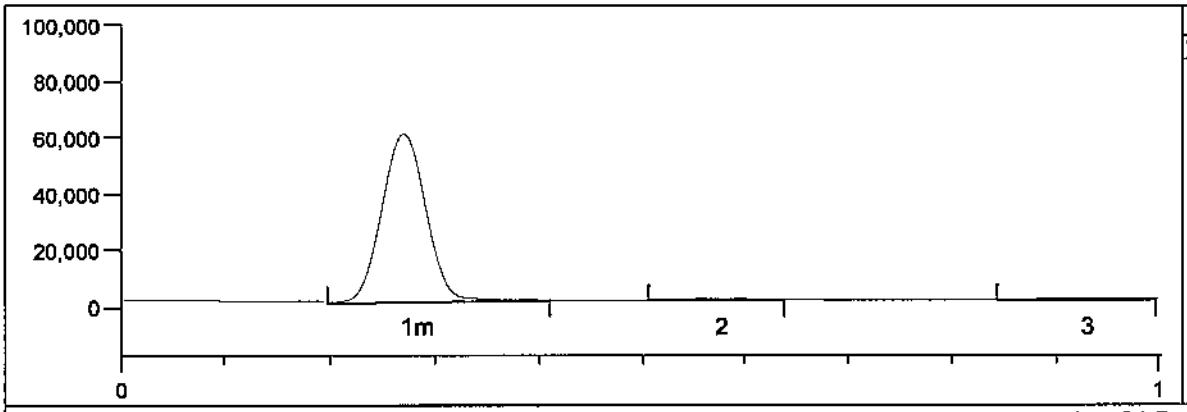


Date: 3/5/14
Time: 2:14 PM

Peak	rt	Area
1	0.08	7,763
2m	0.27	605,197
3	0.59	69,860
4	0.95	12,057

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
47		S	B140302-DUP3		2m	605,197	3.01	0.00		< HS	accept
Notes											

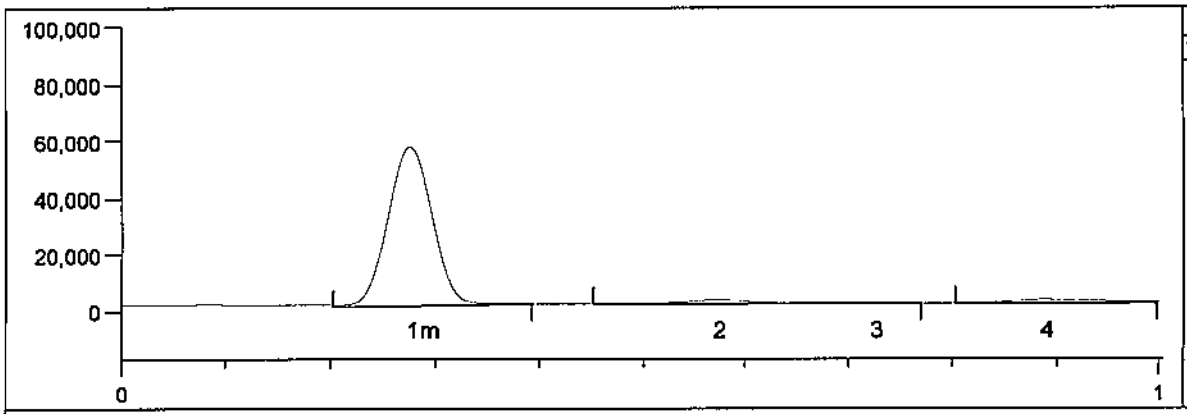


Date: 3/5/14
Time: 2:32 PM

Peak	rt	Area
1m	0.27	1,718,354
2	0.57	30,285
3	0.92	20,666

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
51		S	1408020-22		1m	1,718,354	8.55	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 2:37 PM

Peak	rt	Area
1m	0.27	1,632,937
2	0.57	63,947
3	0.72	6,042
4	0.88	62,037

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
52		S	1408020-23		1m	1,632,937	8.12	0.00		< HS	accept
Notes											

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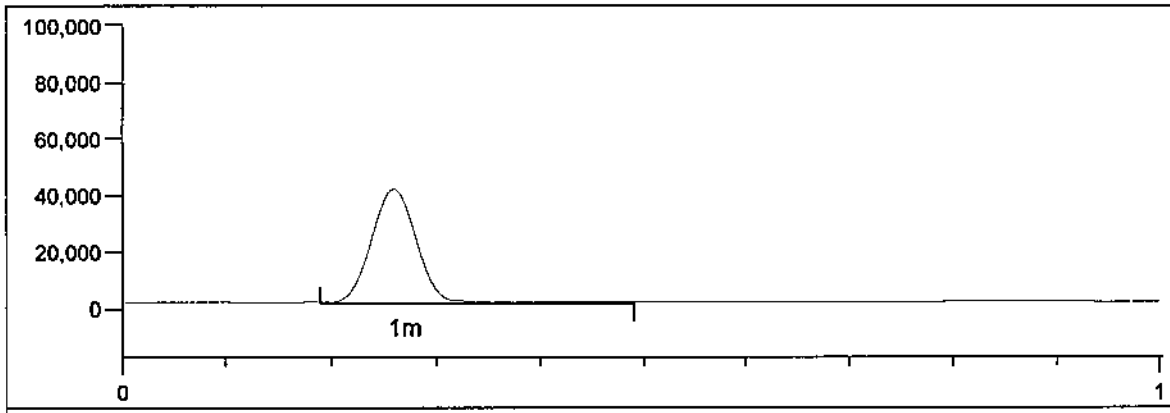
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

Date Analyzed: 3/5/14
Analyst Name: IRJ



Date:	3/5/14
Time:	2:46 PM

Peak	rt	Area
1m	0.26	1,183,715

CWB
3/20/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
54		OPR	SEQ-CCV		1m	1,183,715	5.89		118	80-120	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 004b

As(In) ☐ As(III) ☑ MMA ☐ DMA ☐ Analysis Sheet

Sequence: 1400181	Batch(es): B140302	Matrix: Brita
Analyst: IRJ	Date: 03-05-14	Pump purge time: 2:30
Cal. blank (average): 0.00 mg/L	Cal. coefficient: 0.00498	RSD: 15.8%
Method blank (average): 0.001 mg/kg	Noise: 1465	Trap(s) #: 51
Cal. Std. 10ng/mL: 1410204	ICV Std. 100ng/mL: 1410006	4% NaBH4: 1404005
6M HCl: —	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	-		
m1	2	-IBL2	-		
	3	-IBL3	-		
m2	4	-CAL1	0.050		10ng/mL Cal
↓	5	-CAL2	0.200		
	6	-CAL3	1.00		
	7	-CAL4	2.00		
	8	-CAL5	3.00		
m2	9	-ICV1	0.050		100ng/mL ICV
↓	10	-CCV1	0.500		10ng/mL Cal.
	11	-CCB1	—		
m2	12	B140302-BLK1	2.00		
	13	-BLK2			
	14	-BLK3			
	15	-BS1			
	16	-BS2			
m1	17	1408020-01			①
m2	18	B140302-DUP1			native: 1408020-01
	19	-MS1			
	20	-MSD1			
	21	1408020-02			
	22	-03			
	23	-04			
m2	24	-05			

Comments: ① 25 µL anti-foam added; especially foamy matrix

As(In) ☐ As(III) ☑ MMA ☐ DMA ☐ Analysis Sheet

Page 2 of 2

Sequence: 1400181 Batch: B140302 Analyst: TRJ Date: 03-05-14

	Run #	Sample ID	Analyzed Volume (mL)	Dilution Factor	Analysis comments / For QC: Source sample, standard ID, and spiked amount
	25	1408020-06	2.00		0
	26	-07			
	27	-08			
m2	28	SEQ-CCV2	0.500		10ng/mL Cal.
	29	-CCB2	-		
	30	1408020-09	2.00		0
	31	-10			
	32	B140302-Dup2			native: 1408020-10
	33	-MS2			
	34	-MSD2			
	35	1408020-11			
m2	36	-12			
	37	-13			
	38	-14			
m1	39	-15			
	40	-16			
	41	SEQ-CCV3	0.500		10ng/mL Cal.
m2	42	-CCB3	-		
	43	1408020-17	0.200		
	44	-18			
	45	-19			
	46	-20			
m2	47	B140302-Dup3			native: 1408020-20
	48	-MS3			
	49	-MSD3			
	50	1408020-21			
m2	51	-22			
	52	-23			

Comments: DRJ 03-05-14

	53	1408020-24	0.200		
m2	54	SEQ-CCV4	0.500		10ng/mL Cal.
	55	-CCB4	-		

Total As / Total Se / As Species Inorg, III, MMA/DMA (circle)

Methods BR-0020 Rev _____ (HGAAS) & BR-0021 Rev 004b Mod. of EPA 1632 (HGAAS) - circle

Matrix: Water / Sediment / Biota / Other _____ (circle one)

Batch #(s): B140301, 302, 303, 304 Preparation Start Date/Time*: 03-03-14 / 1550 Page 1 of 2

* Time is when the first reagents are added.

Prepared By: DRJ

Balance ID: BL-08

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
1408020-01 QC1	0.5299	
1408020-02	0.5000	
1408020-03	0.5626	
1408020-04	0.5100	
1408020-05	0.5514	
1408020-06	0.5309	
1408020-07	0.5230	
1408020-08	0.5795	
1408020-09	0.5259	
1408020-10 QC2	0.5247	
1408020-11	0.5473	
1408020-12	0.5426	
1408020-13	0.5336	
1408020-14	0.5094	
1408020-15	0.4972	
1408020-16	0.4941	
1408020-17	0.5270	
1408020-18	0.5231	
1408020-19	0.5241	
1408020-20	0.5710	
1408020-21	0.5967	
1408020-22	0.5039	
1408020-23	0.5763	
1408020-24	0.5255	

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
B140301/302-BS1	-	
B140302-BS2	-	
B140303/304-BS1	-	
B140301/302-DUP1	0.5479	
B140301/302-DUP2	0.5426	
B140301/302-DUP3	0.5239	
B140301/302-MS1	0.5100	
B140301/302-MS2	0.5075	
B140301/302-MS3	0.5225	
B140301/302-MSD1	0.5459	
B140301/302-MSD2	0.4996	
B140301/302-MSD3	0.5637	
B140303/304-MS1	0.5060	
B140303/304-MS2	0.5243	
B140303/304-MS3	0.5128	
B140303/304-MSD1	0.5531	
B140303/304-MSD2	0.5106	
B140303/304-MSD3	0.5530	
SRM1	0.2071	
SRM2	0.2082	
BLK1	-	
BLK2	-	
BLK3	-	
BLK4	-	

Batch QC ID	Sample Source	Spike Added (mL)	Spike Concentration (ug/mL)	Spike ID	Spike Witness Initials/Date
B140301/302-BS1	-	0.500	0.10	141000 2	3/3/14 cdb
B140302-BS2	-	↓	↓	141000 6	
B140301/302-MS/MSD1	1408020-01	0.500	0.10	↓	
B140301/302-MS/MSD2	↓ -10	0.250	↓	↓	
B140301/302-MS/MSD3	↓ -20	0.050	10	141000 5	

Reagents Added (ID/Amount Added)
2m HCl (1409005 / 10mL)

Target Digestion Temperature = 75-85°C

Measured Temperature*, Time On / Time Off, Date
82 (81) °C 1610, 03-03-14
- 16 hour timer

Thermometer ID: BL-10

* Both measured and corrected temperatures must be recorded

Final Volume of Preparation: 10mL

Volume of Prep Subsampled: _____

Dilution Media: DRJ 03-03-14

Final Dilution Volume: _____

CRM, Matrix, Certified Values

SRM1/2: Nist 1568b (Rice Flour): 1337024

Comments: Sample aliquots massed on 02-27-14 by DRJ then stored in the walk-in freezer until prep. date.

Total As / Total Se / As Species ____ (circle)

Methods BR-0020 Rev _____ (HGAAS) & BR-0021 Rev_____ Mod. of EPA 1632 (HGAAS) - circle

Matrix: Water / Sediment / Bioto / Other_____ (circle one)

Batch #(s): B140303/304

Prepared By: IRJ

Balance ID: BL-08

Page 2 of 2

Preparation Start Date/Time*: 03/03/14 - 1550

* Time is when the first reagents are added.

Preparation End Date/Time**: 03/03/14 - 1605

** Time is when the last sample is brought upto volume or when last reagent is added if it does not need to be brought upto vlume.

Batch QC ID	Source	MMA Spike Added(mL)/Conc.	DMA Spike Added(mL)/Conc.	Spike ID (MMA/DMA)
BS1	–	0.500/ 0.10 µg/mL	0.501/0.10 µg/mL	1410037/1410038
MS/MSD1	1408020-01	0.25 / 0.10 µg/mL	0.250 / ↓	↓
MS/MSD2	↓ -10	↓ / ↓	↓ / ↓	↓
MS/MSD3	↓ -20	0.25 / 0.10 µg/mL	0.250 / 10 µg/mL	1410037/1410035

3/3/14 CLE
Witness/Date

Target Digestion Temperature = 75-85°C

Reagents Added (ID/Amount Added)
2 mHCl (1409005/10mL)

Measured Temperature*, Time On / Time Off, Date

Thermometer ID: _____

* Both measured and corrected temperatures must be recorded

Final Volume of Preparation: 10mL
Volume of Prep Subsampled: _____
Dilution Media: _____
Final Dilution Volume: _____

IRJ 03-03-14

CRM, Matrix, Certified Values
Same as pg. 1

Comments:

Sample ID	Sample Mass (g)
1409005-01	0.2012
1409034-01	0.2108
1409004-01	0.2056
1409011-01	0.2019
1409012-01	0.2022
1408032-01	0.2045

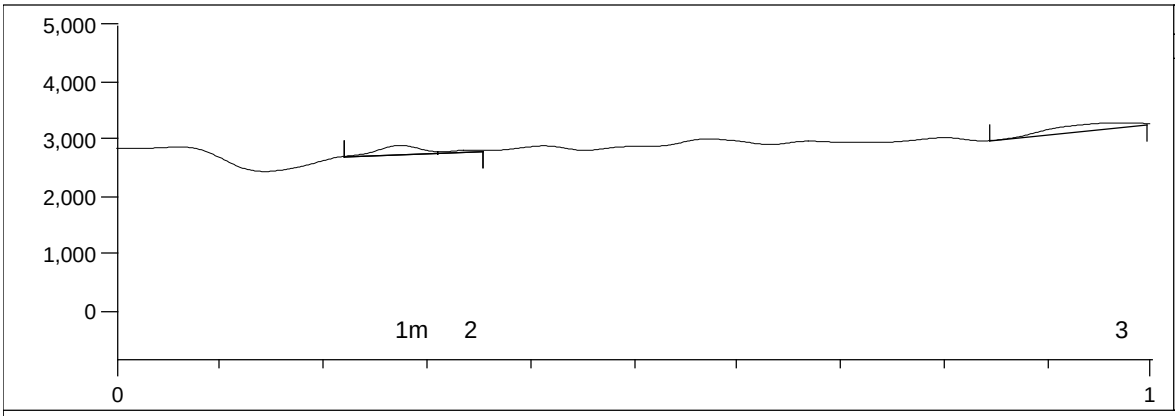
IRJ 03-03-14

Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

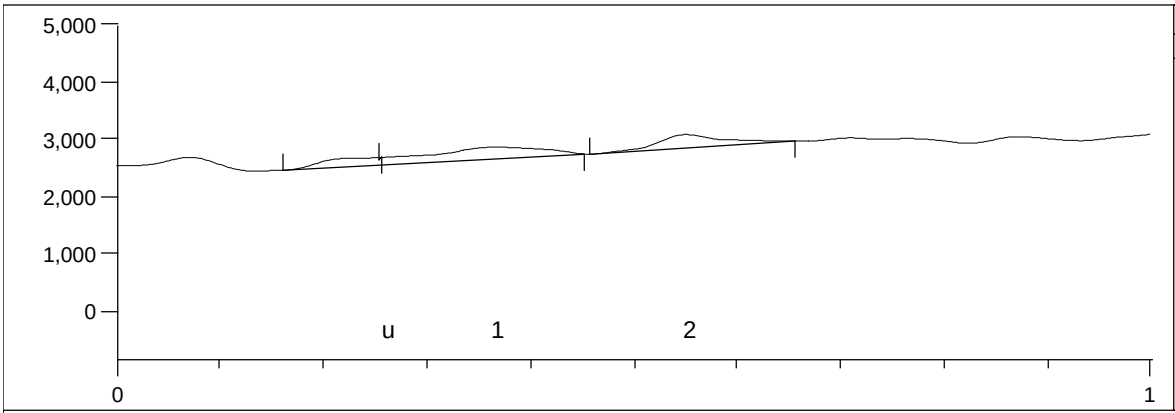
Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 9:10 AM

Peak	rt	Area
1m	0.27	3,921
2	0.34	325
3	0.96	5,713

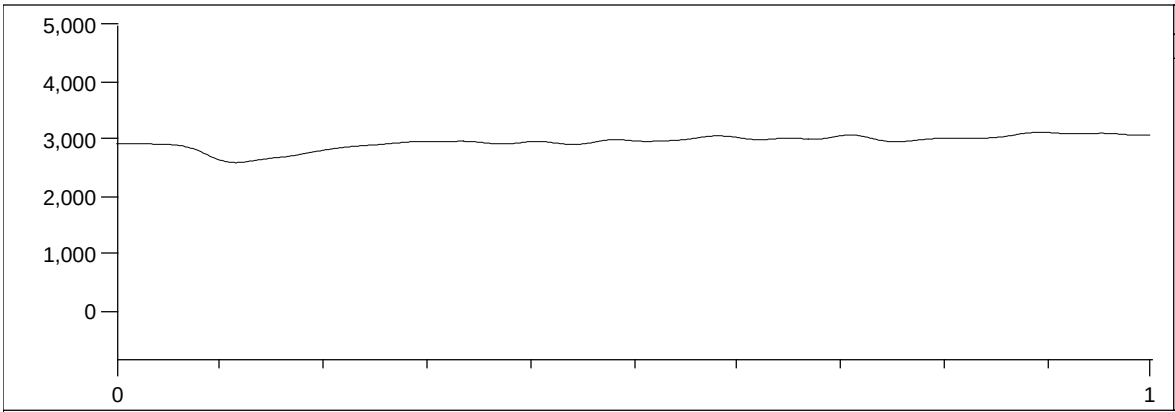
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1		CB	SEQ-IBL1		1m	3,921	0.0195		0.0195	< 0.40	accept
Notes											



Date: 3/5/14
Time: 9:14 AM

Peak	rt	Area
1	0.36	22,800
2	0.55	10,974
u	0.26	0

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2		CB	SEQ-IBL2		u	0	0.00		0.00	< 0.40	accept
Notes											



Date: 3/5/14
Time: 9:18 AM

Peak	rt	Area

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3		CB	SEQ-IBL3			0	0.00		0.00	< 0.40	accept
Notes											

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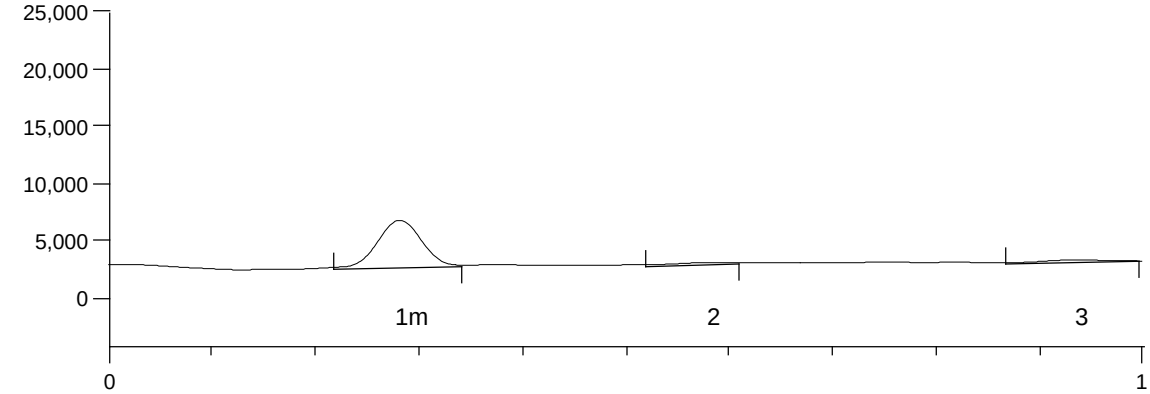
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

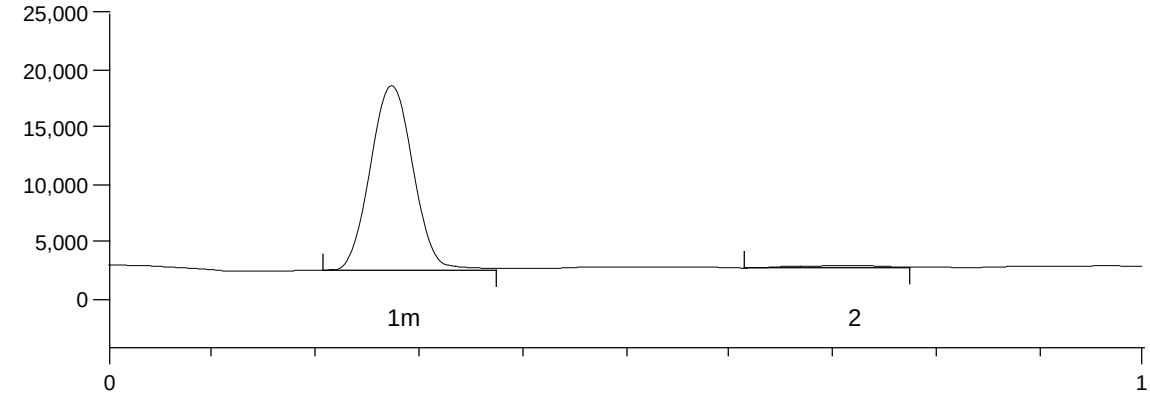
Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 9:22 AM

Peak	rt	Area
1m	0.28	114,407
2	0.58	2,347
3	0.93	6,722

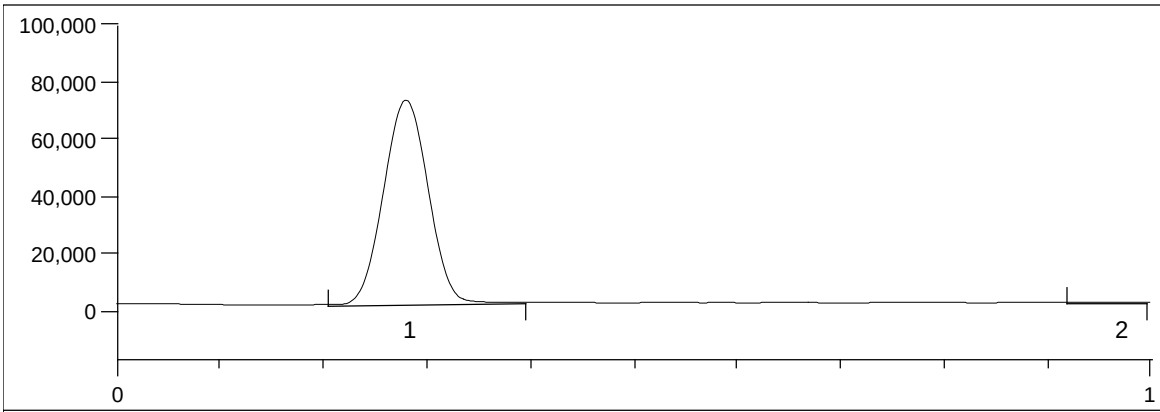
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4		STD	SEQ-CAL1		1m	114,407	0.563		113	80-120	accept
Notes											



Date: 3/5/14
Time: 9:26 AM

Peak	rt	Area
1m	0.27	457,190
2	0.72	9,056

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5		STD	SEQ-CAL2		1m	457,190	2.27		113	80-120	accept
Notes											



Date: 3/5/14
Time: 9:30 AM

Peak	rt	Area
1	0.28	2,128,517
2	0.96	2,530

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6		STD	SEQ-CAL3		1	2,128,517	10.6		106	80-120	accept
Notes											

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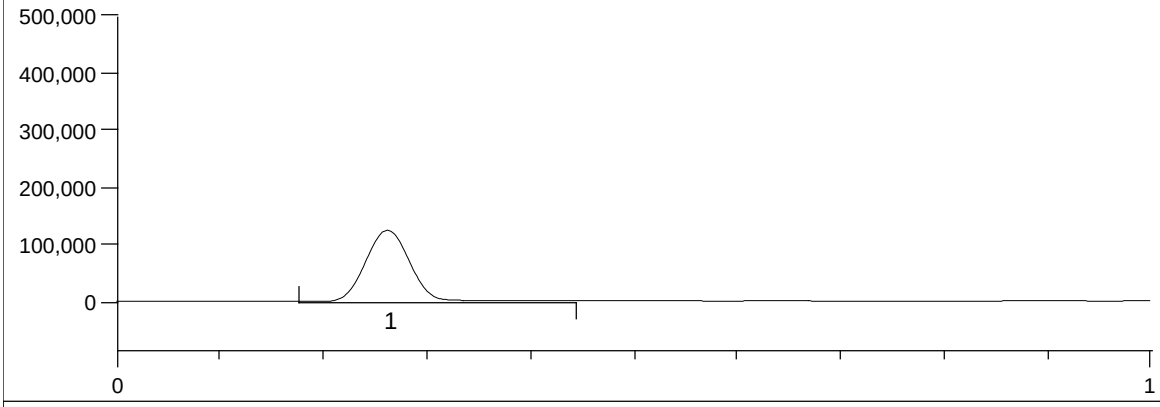
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

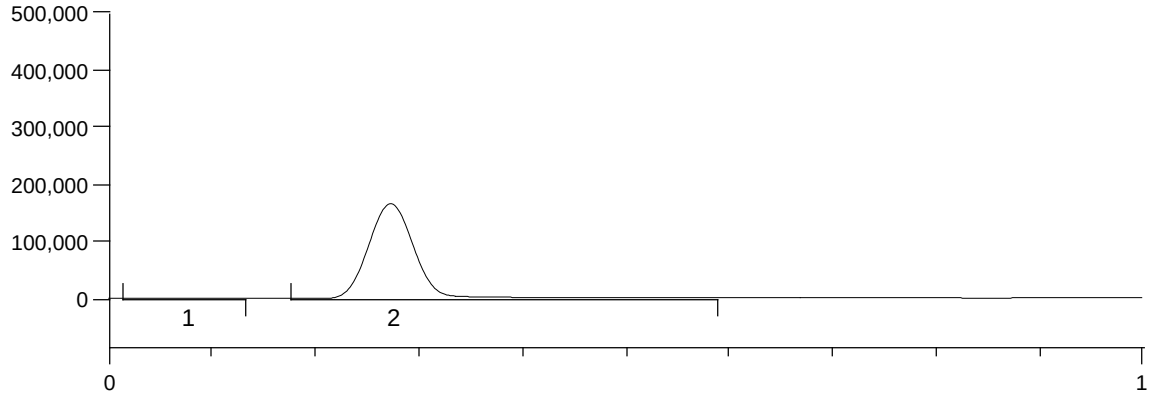
Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 9:35 AM

Peak	rt	Area
1	0.26	3,677,279

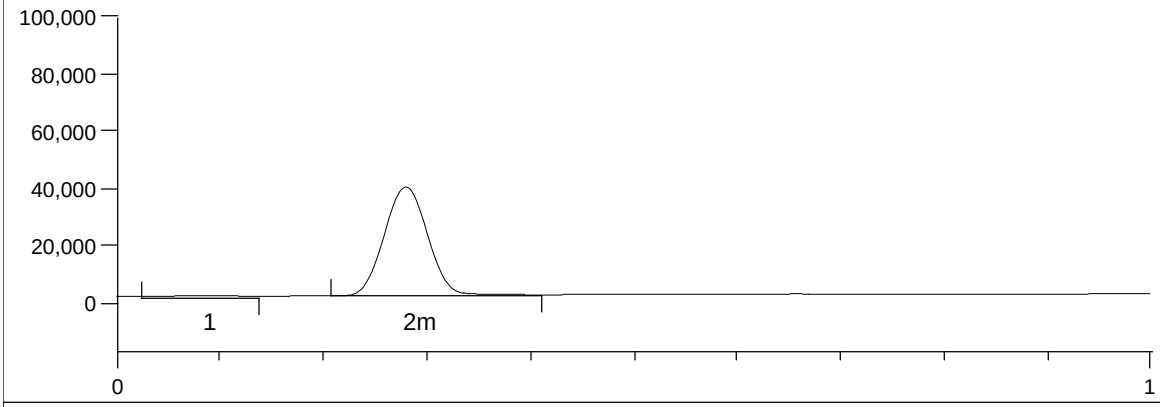
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7		STD	SEQ-CAL4		1	3,677,279	18.3		91.5	80-120	accept
Notes											



Date: 3/5/14
Time: 9:40 AM

Peak	rt	Area
1	0.07	7,254
2	0.27	5,047,889

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8		STD	SEQ-CAL5		2	5,047,889	25.1		83.8	80-120	accept
Notes											



Date: 3/5/14
Time: 9:44 AM

Peak	rt	Area
1	0.08	5,565
2m	0.28	1,096,562

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9		OPR	SEQ-ICV		2m	1,096,562	5.45		109	80-120	accept
Notes											

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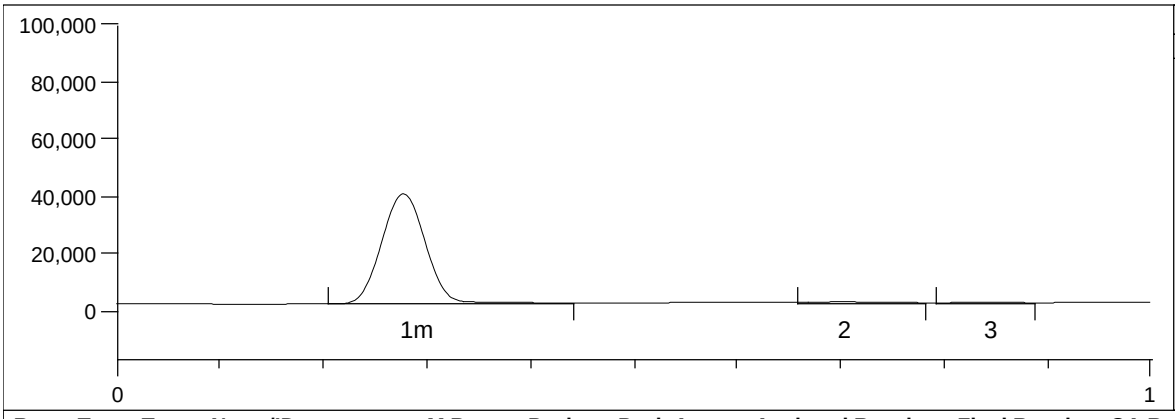
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

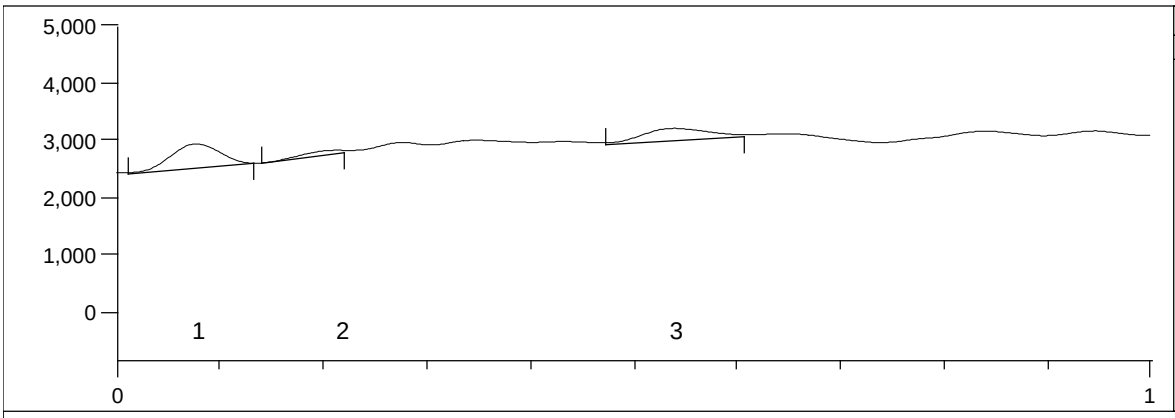
Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 9:48 AM

Peak	rt	Area
1m	0.27	1,127,471
2	0.70	6,660
3	0.84	4,371

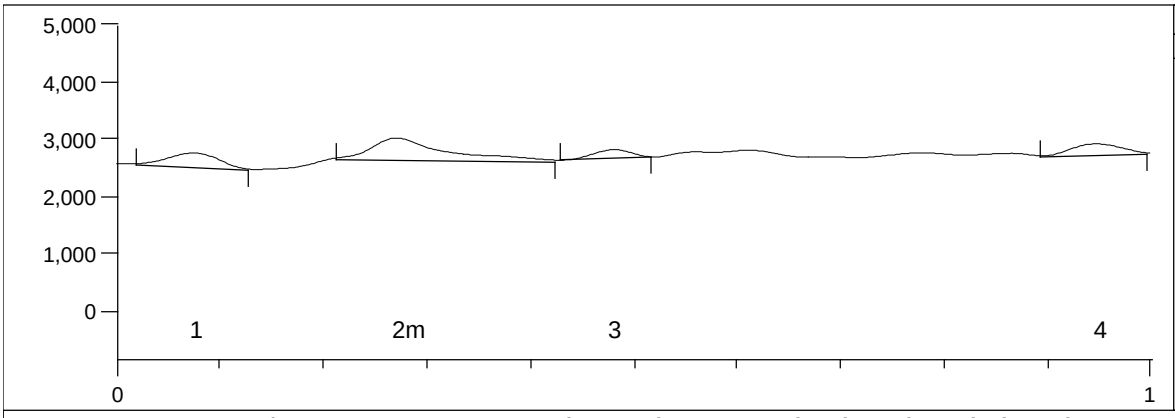
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10		OPR	SEQ-CCV		1m	1,127,471	5.61		112	80-120	accept
Notes											



Date: 3/5/14
Time: 9:52 AM

Peak	rt	Area
1	0.07	13,569
2	0.21	1,442
3	0.54	7,553

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11		CCB	SEQ-CCB		2	1,442	0.00718		0.00718	< 0.40	accept
Notes											



Date: 3/5/14
Time: 9:58 AM

Peak	rt	Area
1	0.07	7,483
2m	0.27	15,626
3	0.48	3,881
4	0.94	6,072

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12		S	B140302-BLK1		2m	15,626	0.0713	0.00		< HS	accept
Notes											

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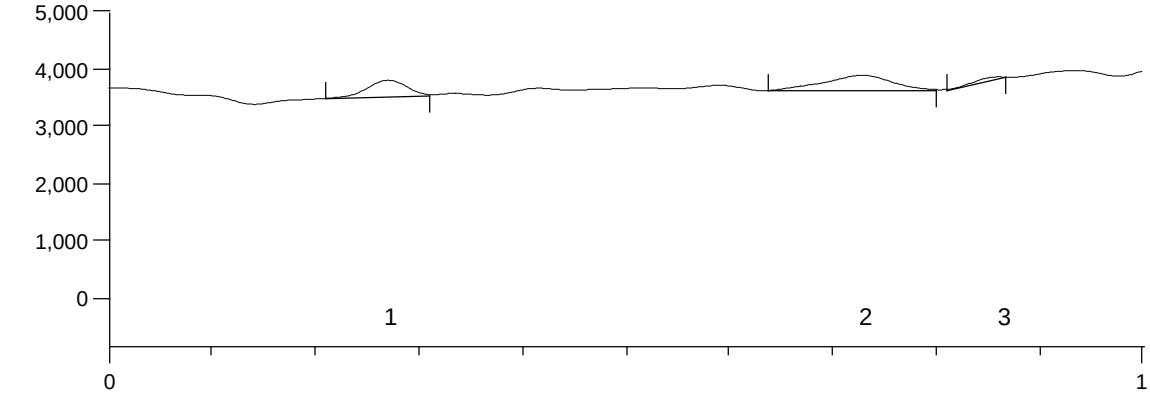
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

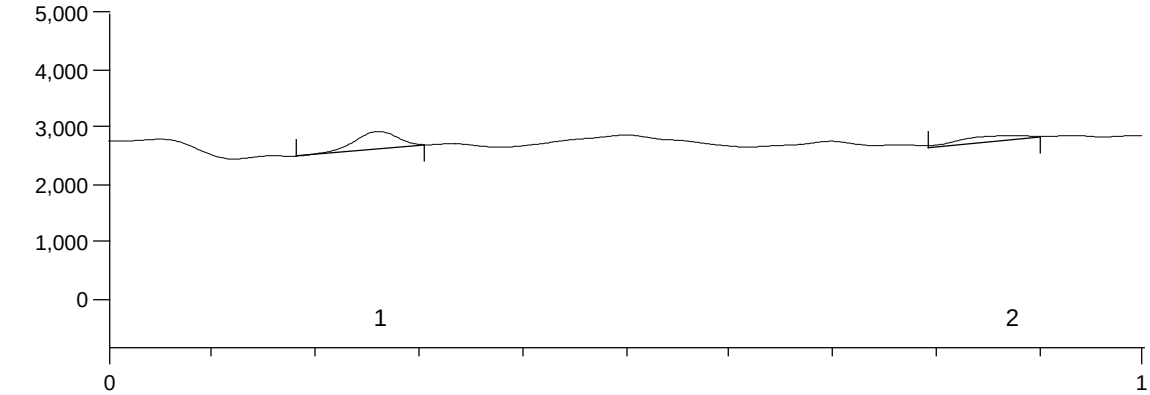
Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 10:03 AM

Peak	rt	Area
1	0.27	7,111
2	0.72	11,428
3	0.86	1,188

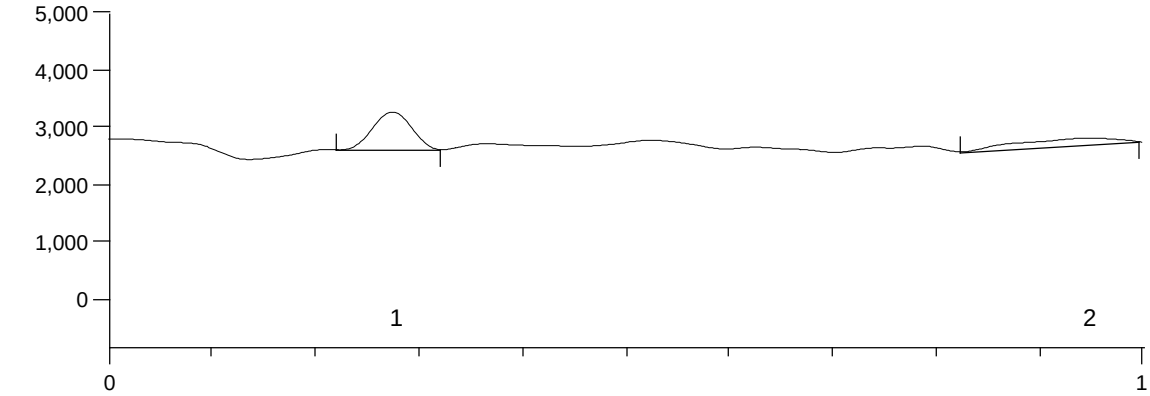
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
13		S	B140302-BLK2		1	7,111	0.0289	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 10:07 AM

Peak	rt	Area
1	0.26	9,088
2	0.87	3,189

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
14		S	B140302-BLK3		1	9,088	0.0387	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 10:14 AM

Peak	rt	Area
1	0.27	17,379
2	0.94	8,961

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
15		S	B140302-BS1		1	17,379	0.0800	0.00		< HS	accept
Notes											

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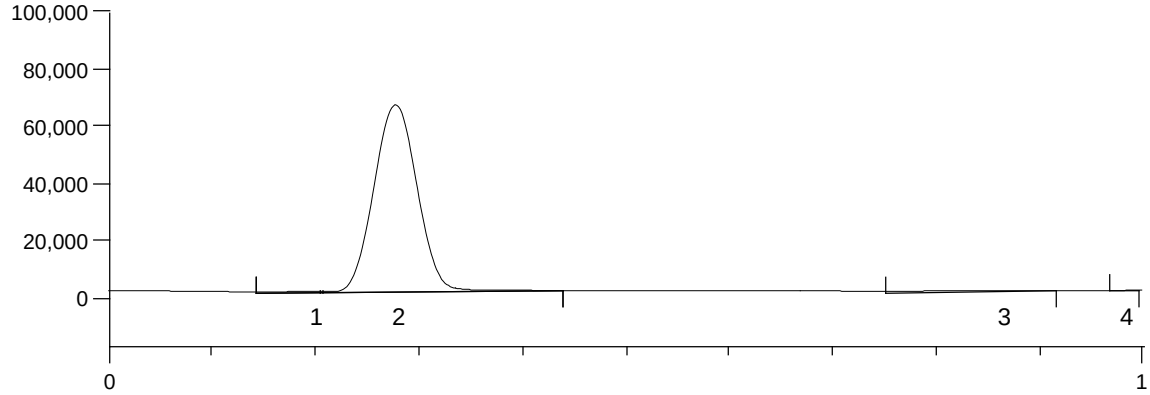
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

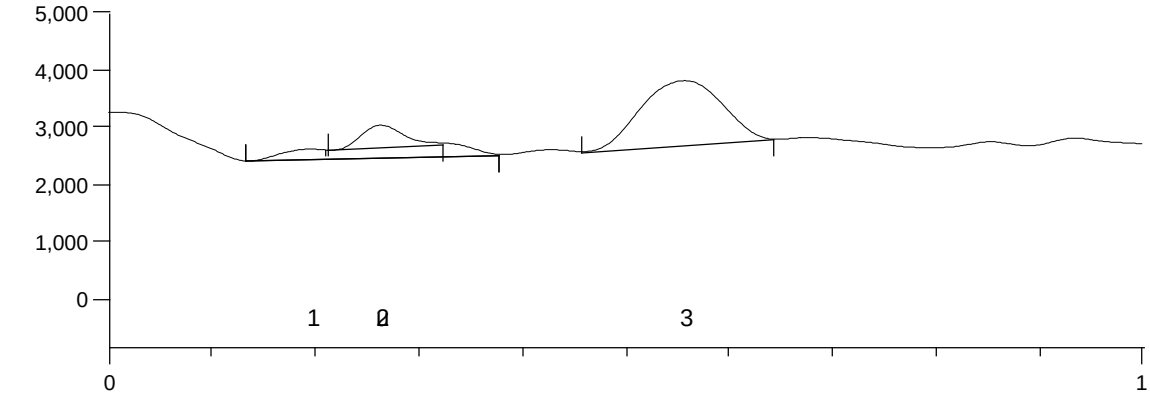
Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 10:20 AM

Peak	rt	Area
1	0.19	2,700
2	0.27	1,896,036
3	0.86	6,995
4	0.98	152

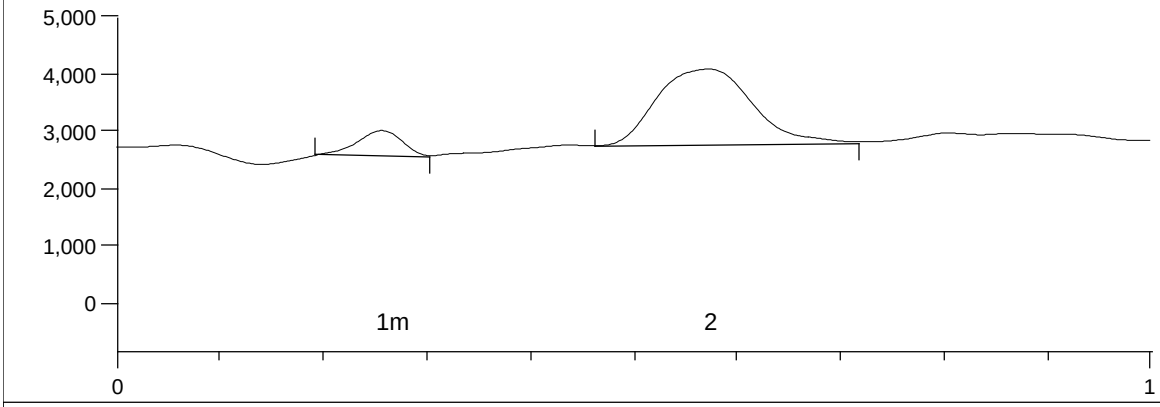
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16		S	B140302-BS2		2	1,896,036	9.43	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 10:25 AM

Peak	rt	Area
1	0.19	5,590
2	0.26	27,090
3	0.55	61,730
u	0.26	10,676

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17		S	1408020-01		u	10,676	0.0466	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 10:30 AM

Peak	rt	Area
1m	0.25	12,628
2	0.57	83,261

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18		S	B140302-DUP1		1m	12,628	0.0564	0.00		< HS	accept
Notes											

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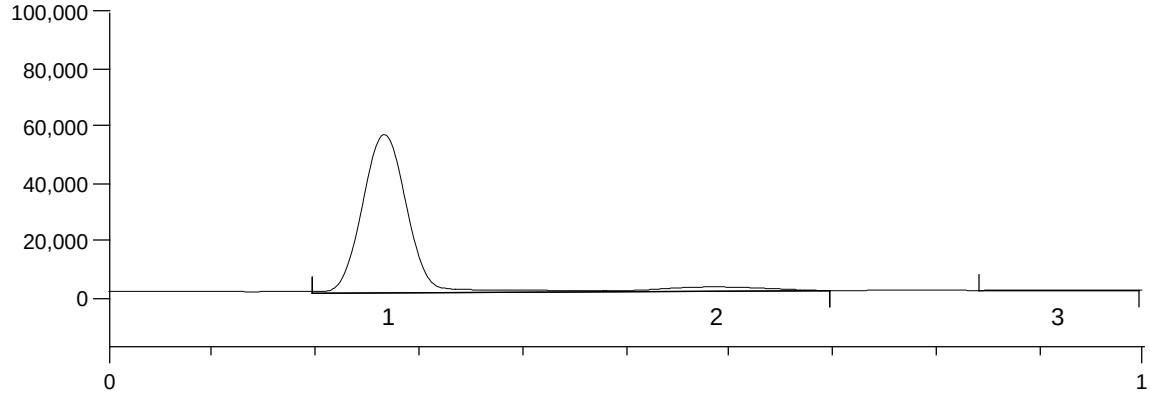
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

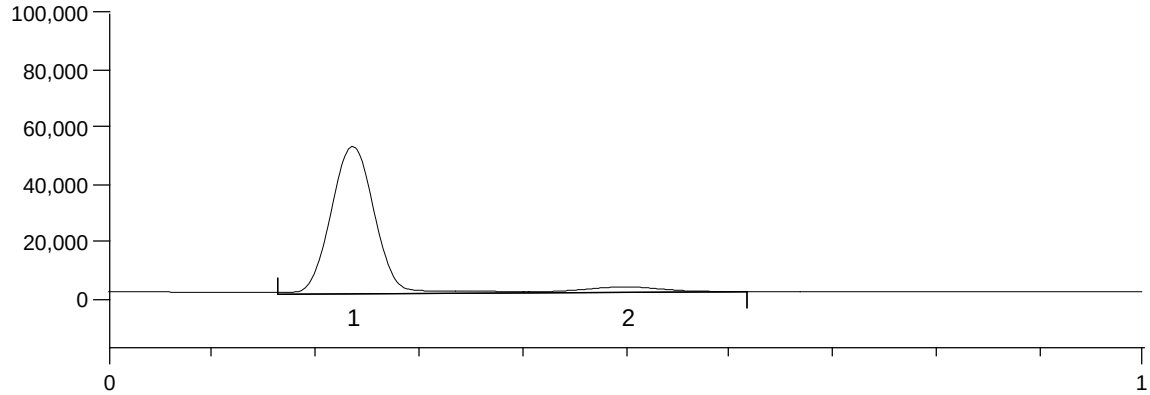
Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 10:37 AM

Peak	rt	Area
1	0.26	1,611,610
2	0.58	86,695
3	0.91	7,107

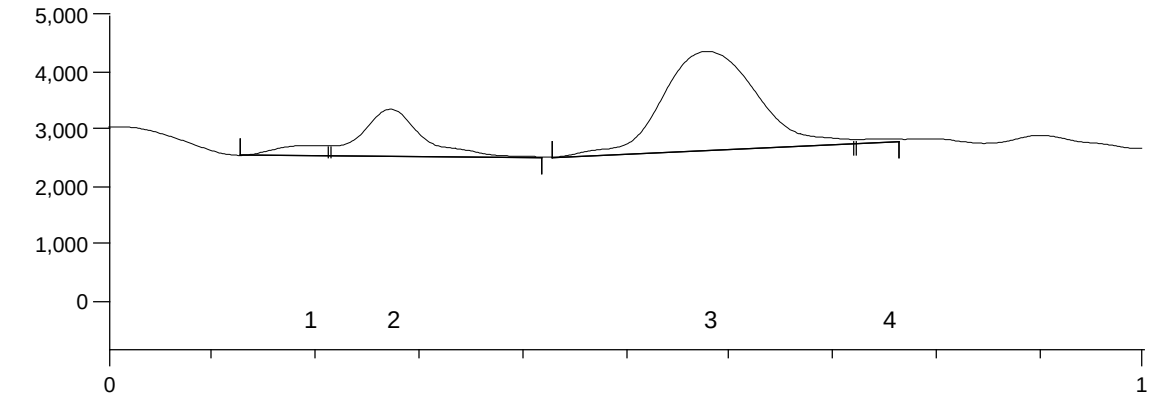
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
19		S	B140302-MS1		1	1,611,610	8.02	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 10:45 AM

Peak	rt	Area
1	0.23	1,459,222
2	0.50	85,020

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
20		S	B140302-MSD1		1	1,459,222	7.26	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 10:50 AM

Peak	rt	Area
1	0.19	6,240
2	0.27	32,431
3	0.58	107,541
4	0.75	649

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
21		S	1408020-02		2	32,431	0.155	0.00		< HS	accept
Notes											

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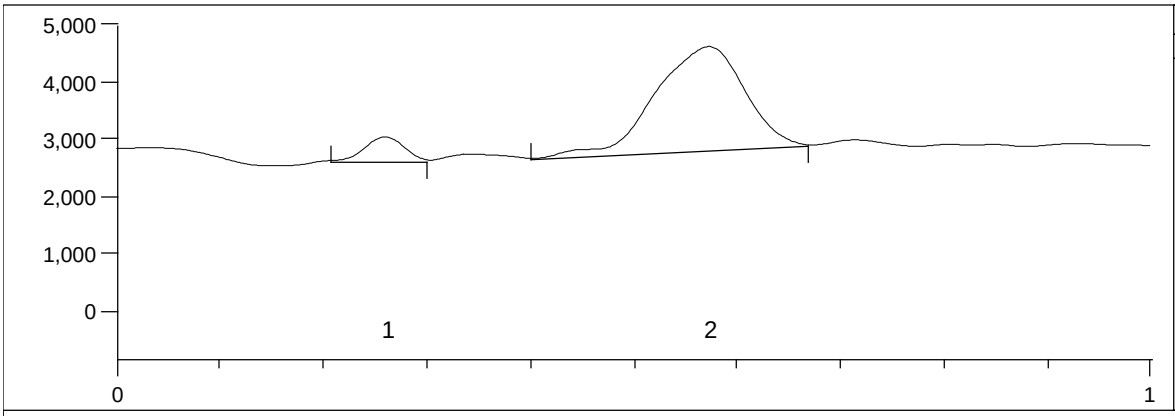
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

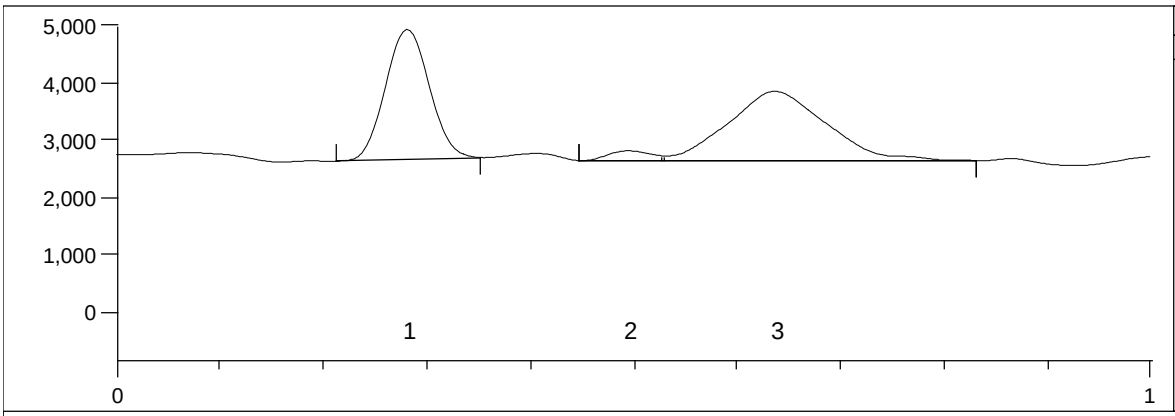
Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 10:55 AM

Peak	rt	Area
1	0.26	10,221
2	0.57	108,308

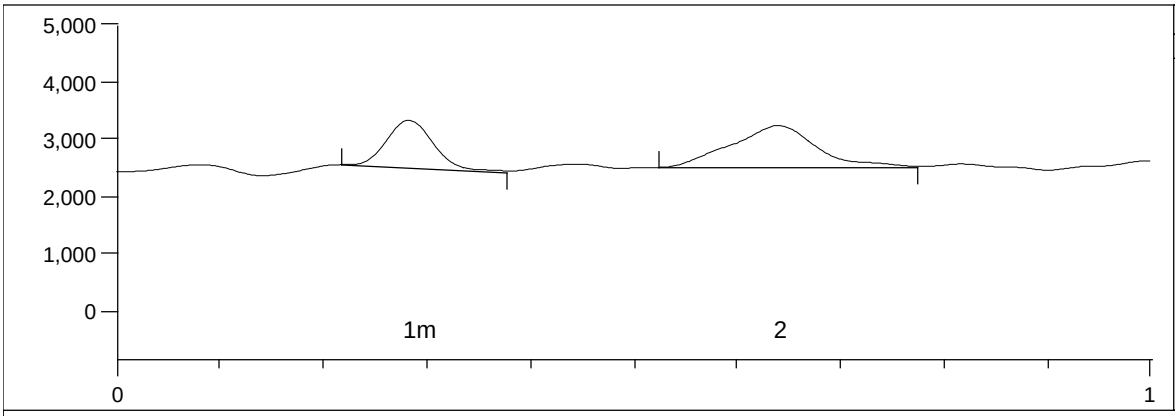
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
22		S	1408020-03		1	10,221	0.0444	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 11:01 AM

Peak	rt	Area
1	0.28	67,343
2	0.49	5,183
3	0.63	79,466

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
23		S	1408020-04		1	67,343	0.329	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 11:06 AM

Peak	rt	Area
1m	0.28	24,482
2	0.64	40,800

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24		S	1408020-05		1m	24,482	0.115	0.00		< HS	accept
Notes											

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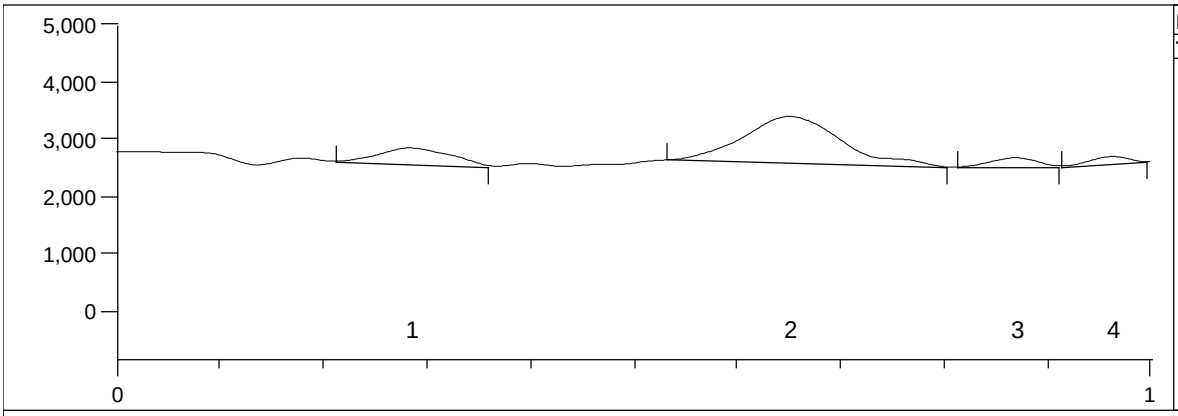
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

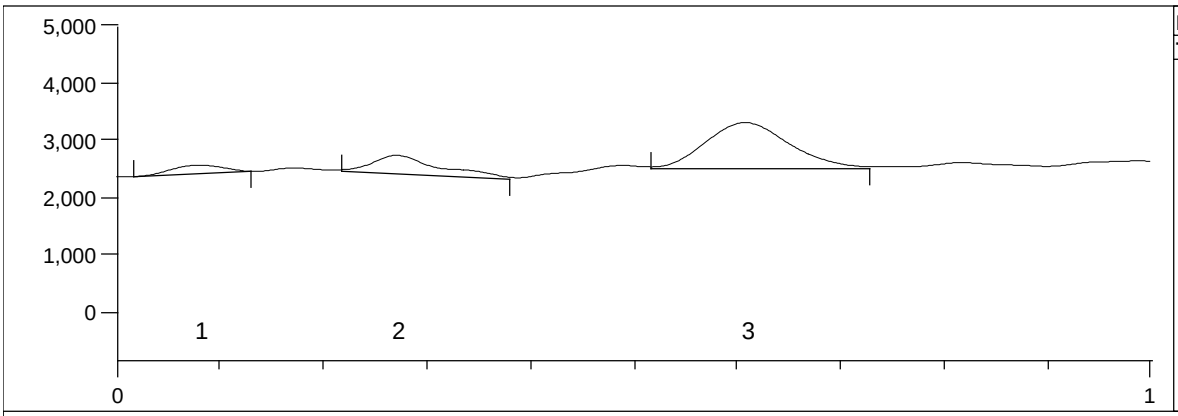
Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 11:12 AM

Peak	rt	Area
1	0.28	12,557
2	0.65	52,765
3	0.86	4,354
4	0.96	3,174

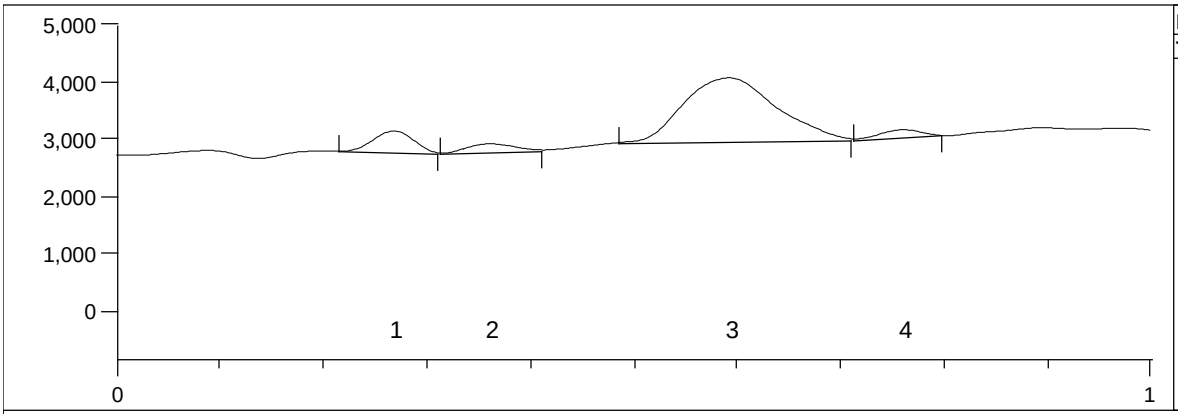
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
25		S	1408020-06		1	12,557	0.0560	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 11:17 AM

Peak	rt	Area
1	0.08	5,376
2	0.27	12,060
3	0.60	41,978

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
26		S	1408020-07		2	12,060	0.0535	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 11:21 AM

Peak	rt	Area
1	0.26	9,880
2	0.36	4,170
3	0.59	66,986
4	0.76	3,386

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
27		S	1408020-08		1	9,880	0.0427	0.00		< HS	accept
Notes											

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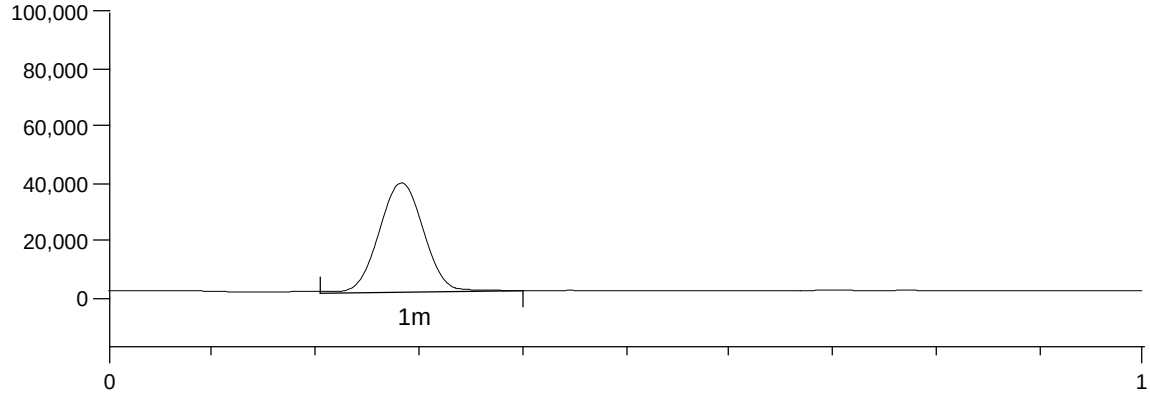
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

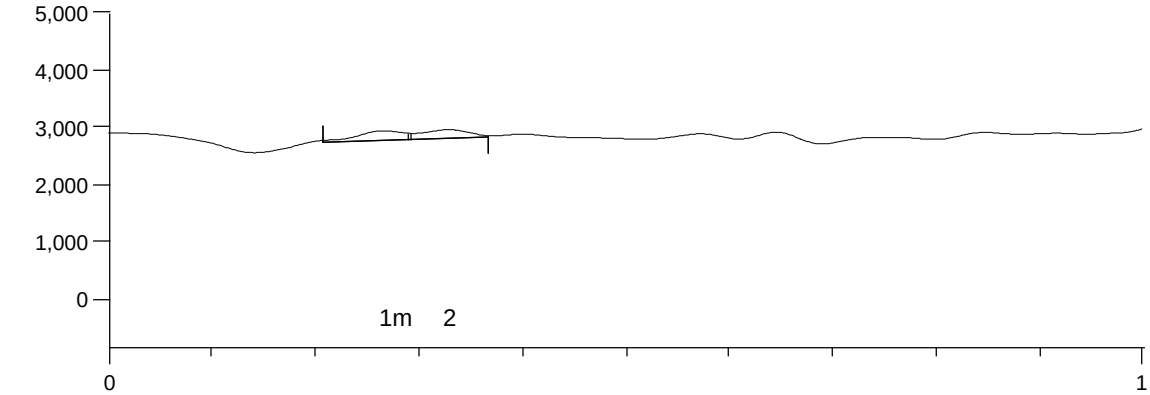
Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 11:25 AM

Peak	rt	Area
1m	0.28	1,114,132

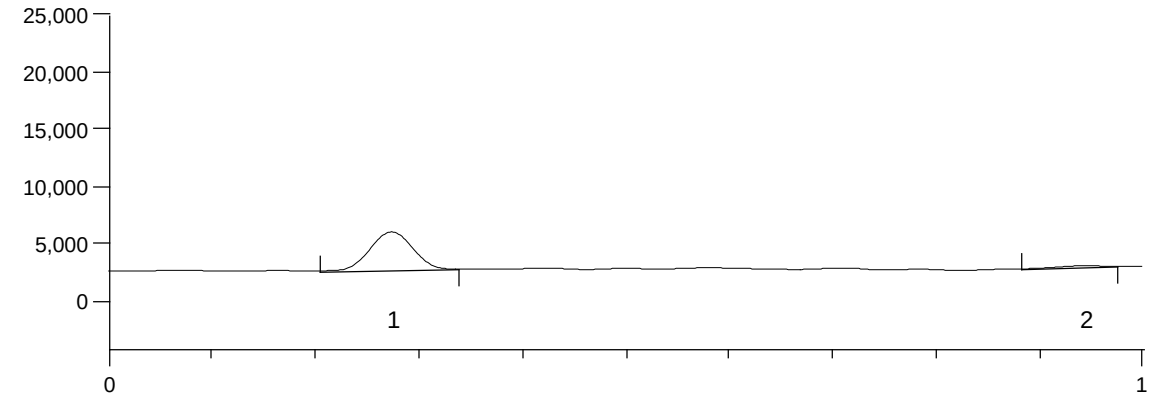
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
28		OPR	SEQ-CCV		1m	1,114,132	5.54		111	80-120	accept
Notes											



Date: 3/5/14
Time: 11:29 AM

Peak	rt	Area
1m	0.26	3,857
2	0.32	3,763

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29		CCB	SEQ-CCB		1m	3,857	0.0192		0.0192	< 0.40	accept
Notes											



Date: 3/5/14
Time: 12:44 PM

Peak	rt	Area
1	0.27	94,557
2	0.94	3,752

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
30		S	1408020-09		1	94,557	0.464	0.00		< HS	accept
Notes											

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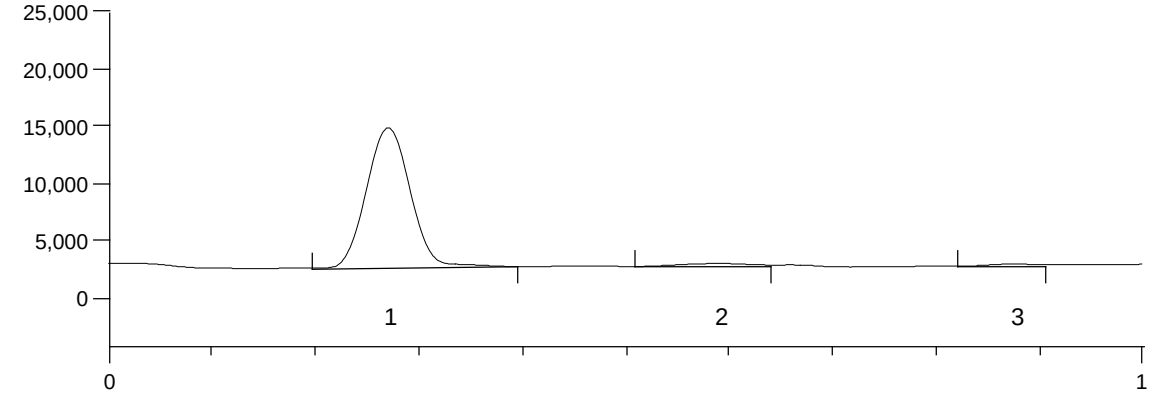
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

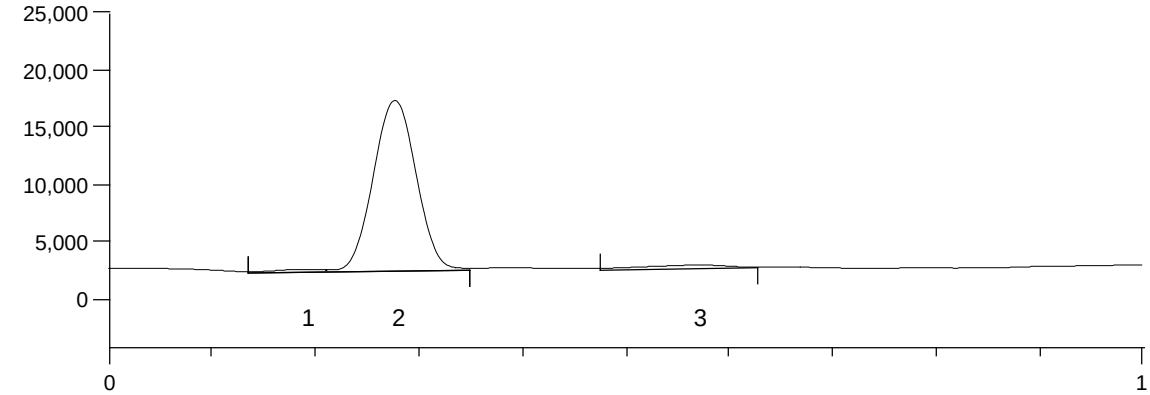
Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 12:49 PM

Peak	rt	Area
1	0.27	359,385
2	0.59	7,568
3	0.87	3,258

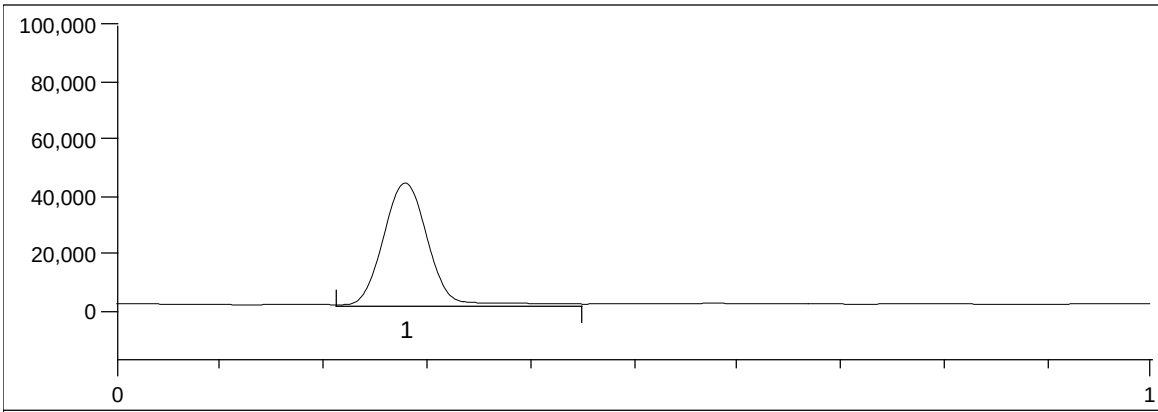
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31		S	1408020-10		1	359,385	1.78	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 12:54 PM

Peak	rt	Area
1	0.19	3,681
2	0.27	421,457
3	0.57	10,568

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
32		S	B140302-DUP2		2	421,457	2.09	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 12:59 PM

Peak	rt	Area
1	0.28	1,242,175

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
33		S	B140302-MS2		1	1,242,175	6.18	0.00		< HS	accept
Notes											

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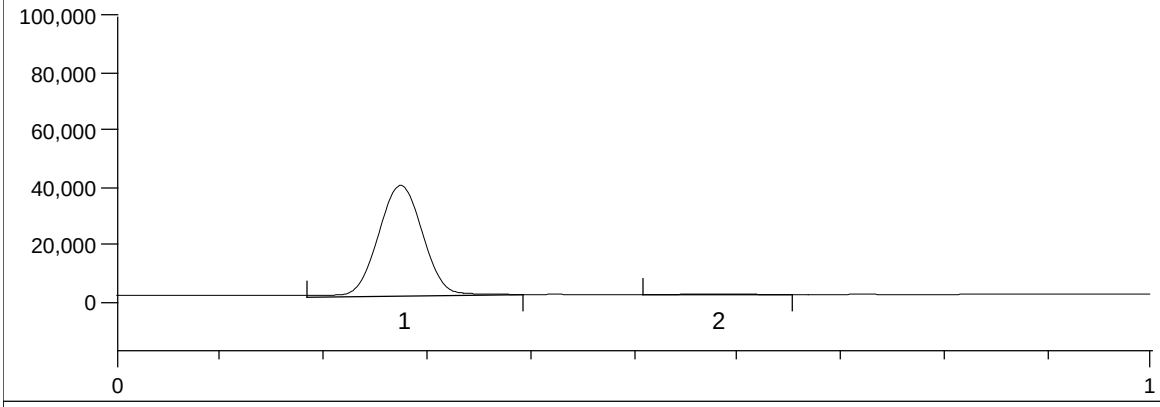
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

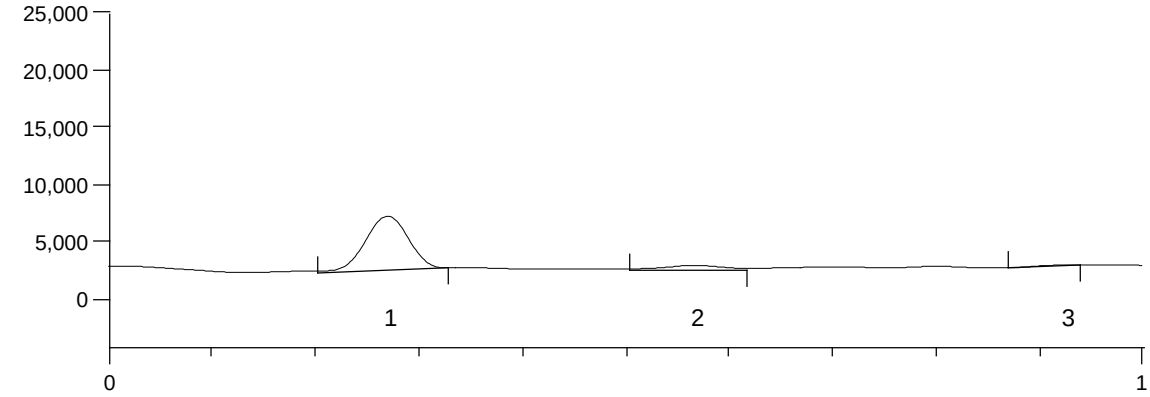
Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 1:05 PM

Peak	rt	Area
1	0.27	1,124,926
2	0.58	10,482

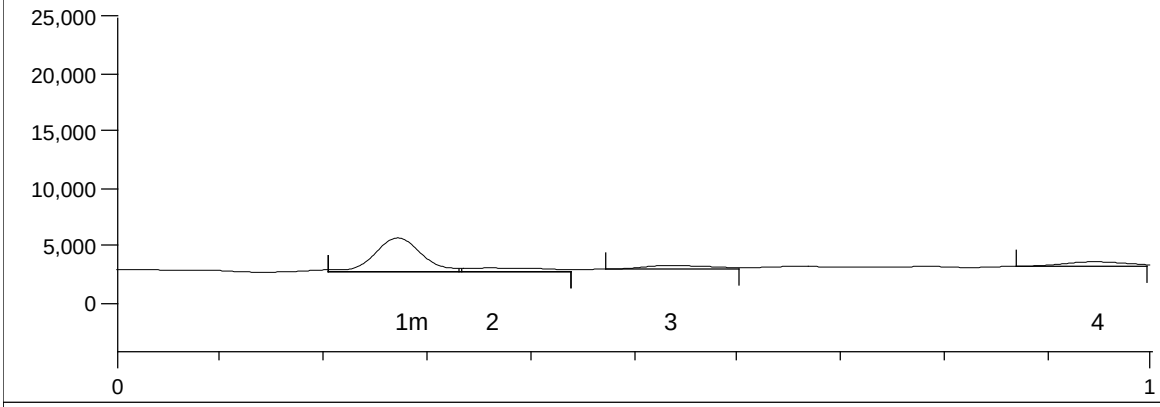
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
34		S	B140302-MSD2		1	1,124,926	5.59	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 1:09 PM

Peak	rt	Area
1	0.27	132,022
2	0.56	8,661
3	0.92	2,044

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
35		S	1408020-11		1	132,022	0.651	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 1:14 PM

Peak	rt	Area
1m	0.27	81,380
2	0.36	7,279
3	0.53	9,807
4	0.94	12,757

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
36		S	1408020-12		1m	81,380	0.399	0.00		< HS	accept
Notes											

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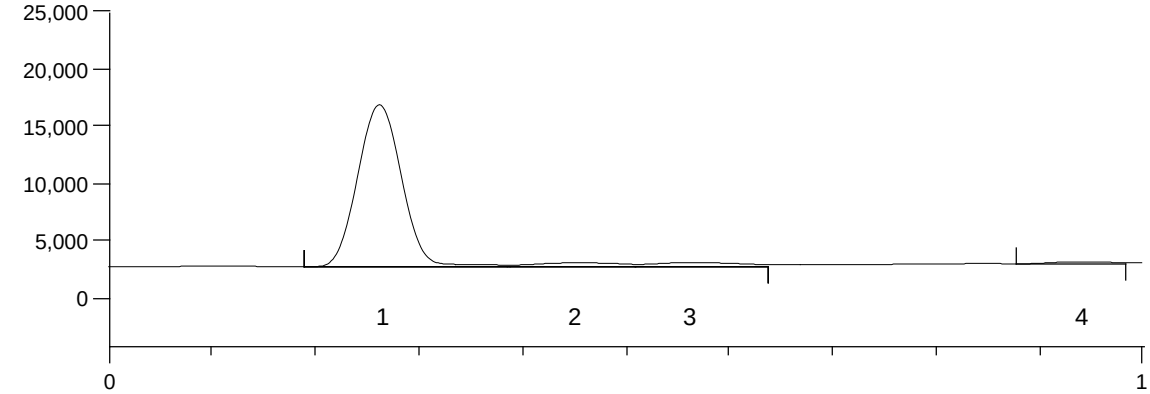
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

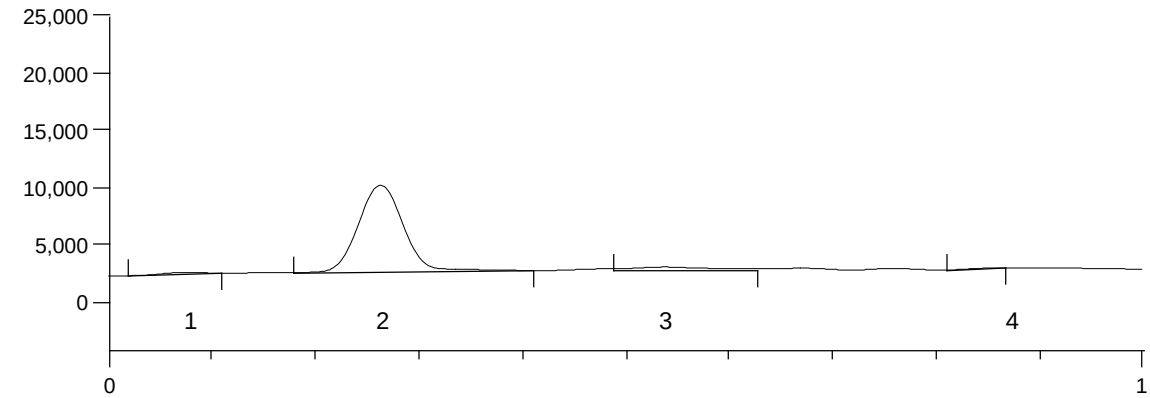
Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 1:19 PM

Peak	rt	Area
1	0.26	414,774
2	0.44	11,391
3	0.56	9,364
4	0.94	3,983

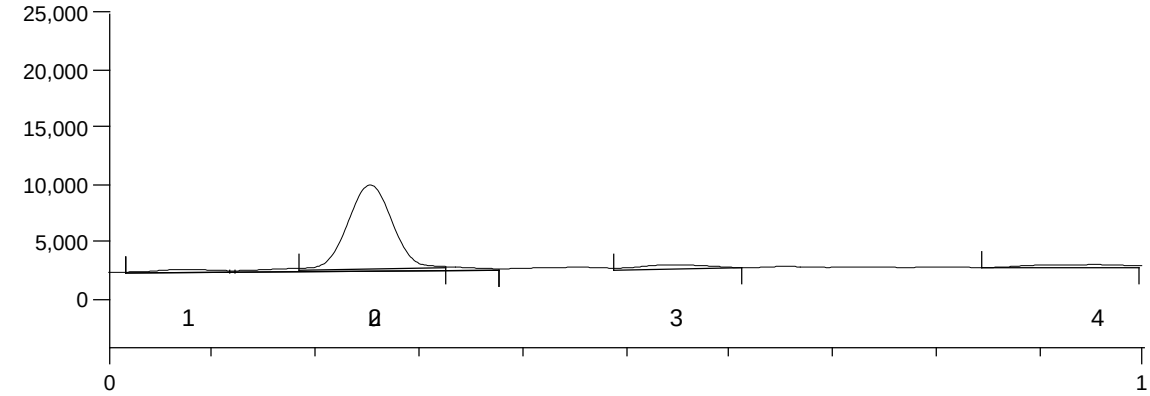
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
37		S	1408020-13		1	414,774	2.06	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 1:23 PM

Peak	rt	Area
1	0.07	4,817
2	0.26	230,289
3	0.53	5,511
4	0.87	882

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
38		S	1408020-14		2	230,289	1.14	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 1:28 PM

Peak	rt	Area
1	0.07	5,992
2	0.25	234,916
3	0.54	10,696
4	0.95	9,066
u	0.25	209,648

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
39		S	1408020-15		u	209,648	1.04	0.00		< HS	accept
Notes											

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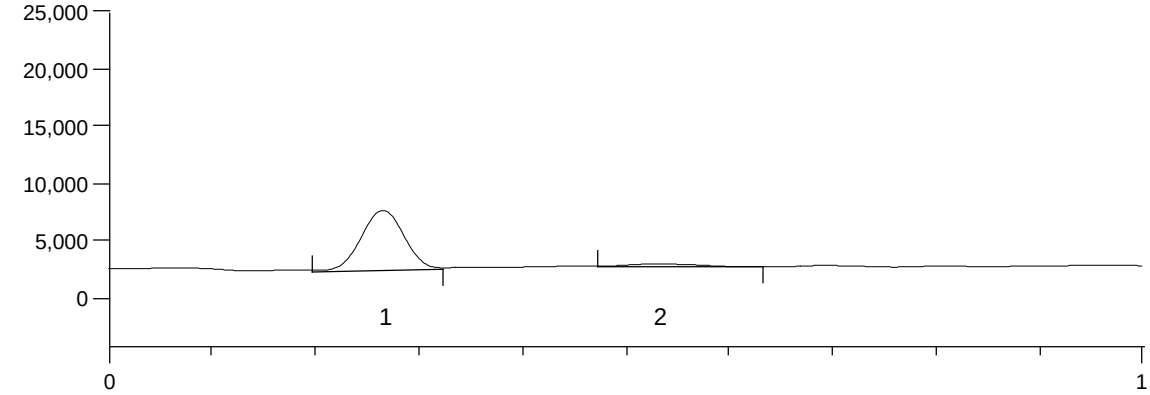
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

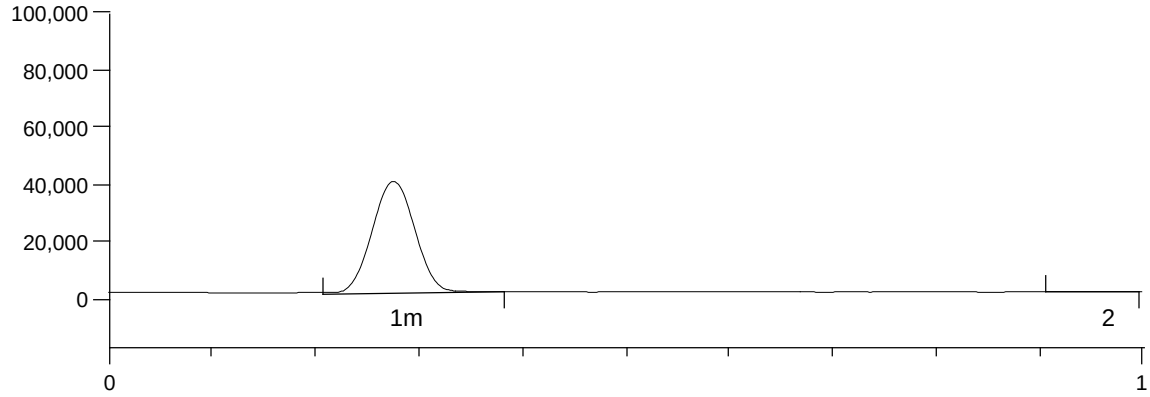
Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 1:32 PM

Peak	rt	Area
1	0.26	143,333
2	0.53	9,717

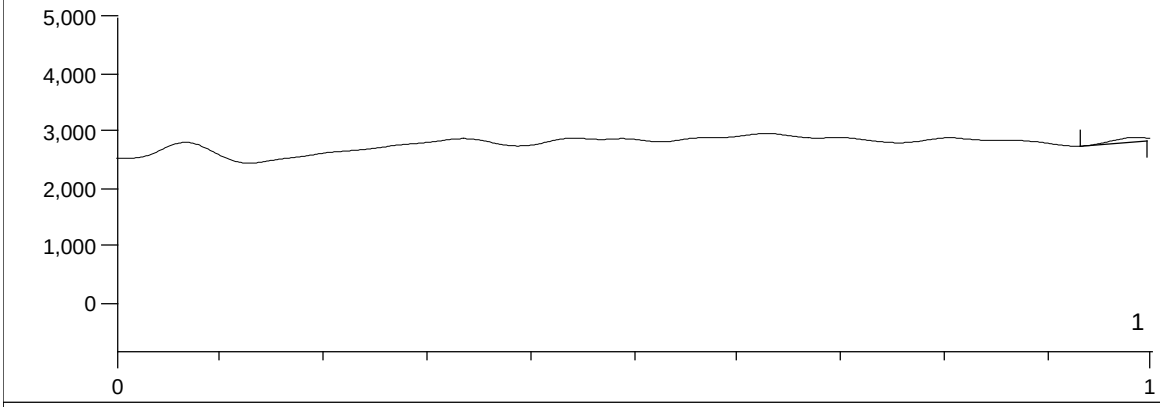
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
40		S	1408020-16		1	143,333	0.707	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 1:37 PM

Peak	rt	Area
1m	0.27	1,108,139
2	0.96	3,076

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
41		OPR	SEQ-CCV		1m	1,108,139	5.51		110.	80-120	accept
Notes											



Date: 3/5/14
Time: 1:40 PM

Peak	rt	Area
1	0.98	1,243

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
42		CCB	SEQ-CCB			0	0.00		0.00	< 0.40	accept
Notes											

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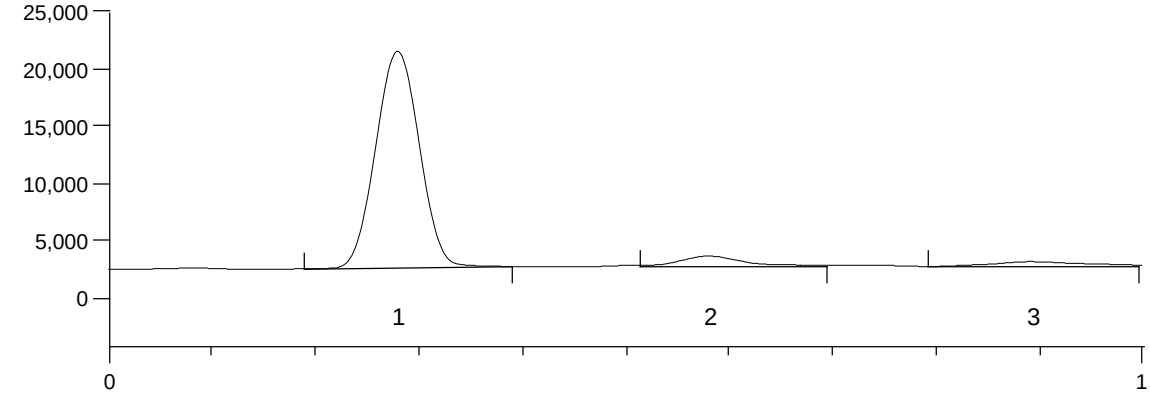
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

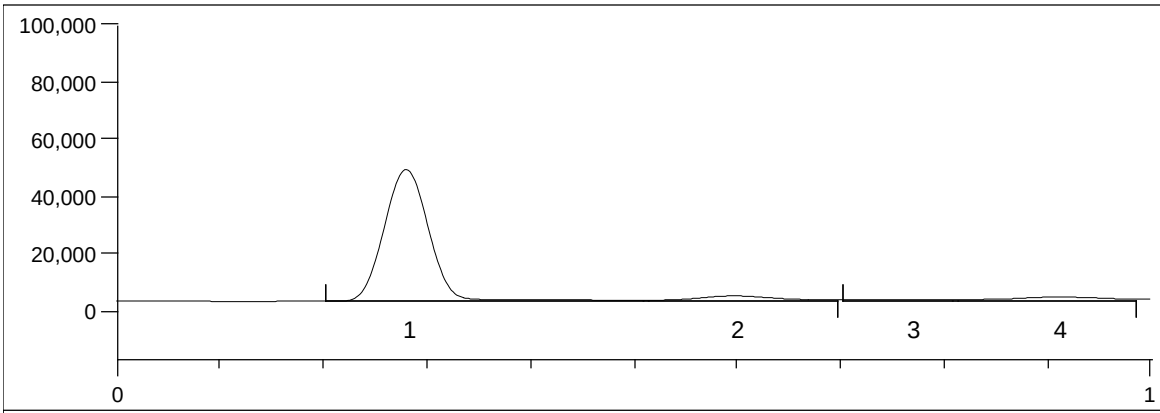
Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 1:56 PM

Peak	rt	Area
1	0.28	557,510
2	0.58	30,264
3	0.89	21,654

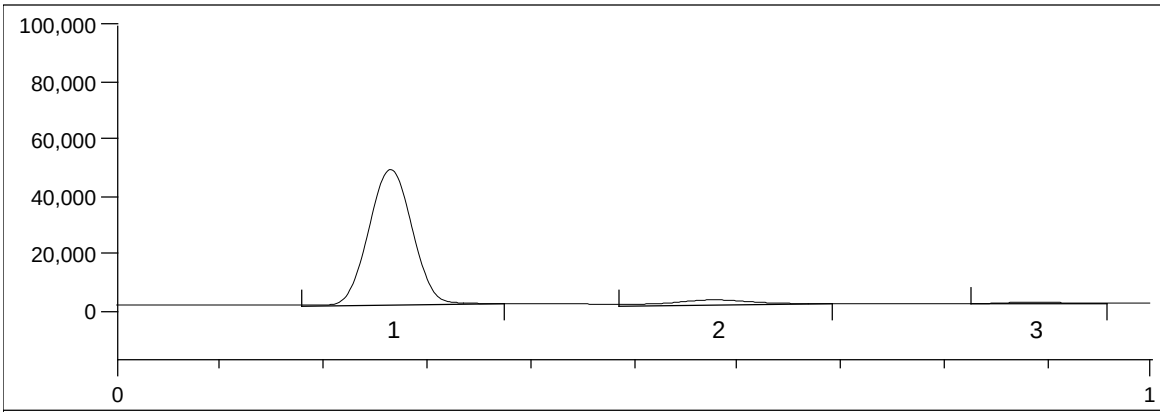
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
43		S	1408020-17		1	557,510	2.77	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 2:00 PM

Peak	rt	Area
1	0.28	1,372,630
2	0.59	68,738
3	0.76	4,402
4	0.91	35,101

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
44		S	1408020-18		1	1,372,630	6.83	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 2:04 PM

Peak	rt	Area
1	0.26	1,373,466
2	0.58	71,275
3	0.88	16,327

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
45		S	1408020-19		1	1,373,466	6.83	0.00		< HS	accept
Notes											

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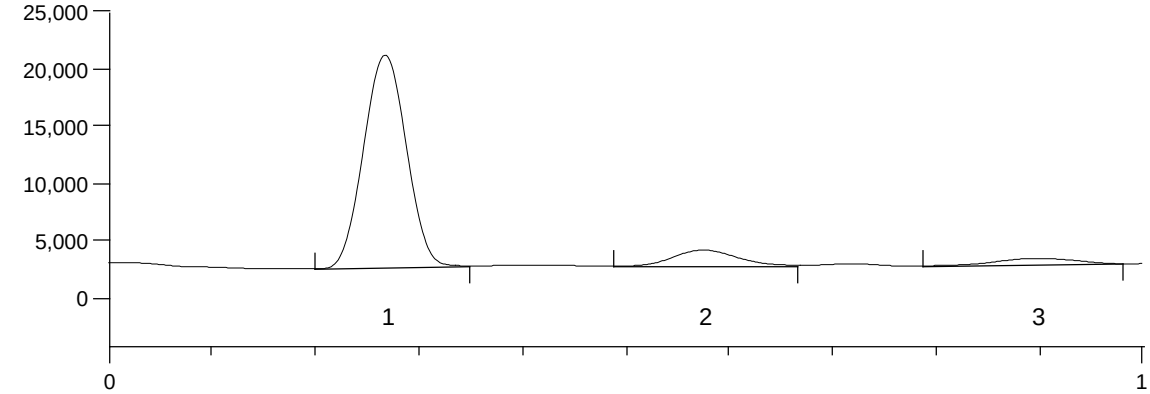
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

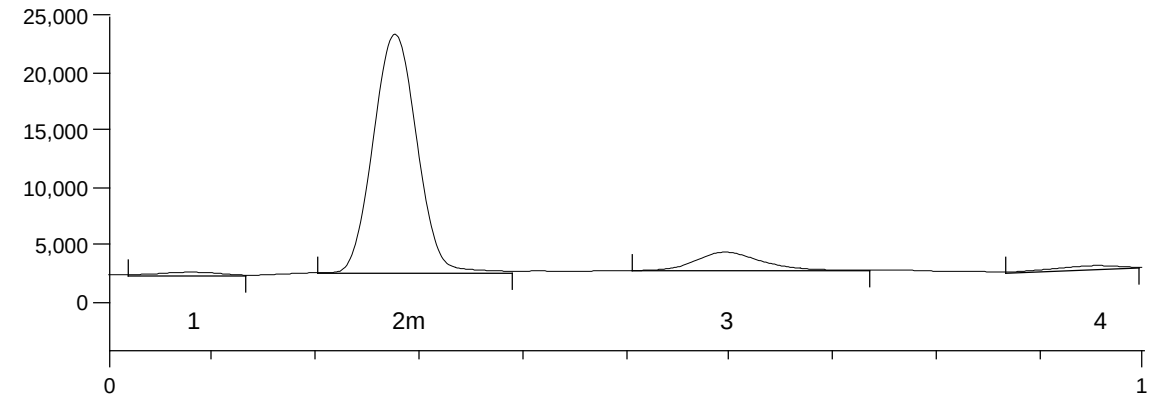
Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 2:09 PM

Peak	rt	Area
1	0.26	533,521
2	0.57	57,466
3	0.89	29,282

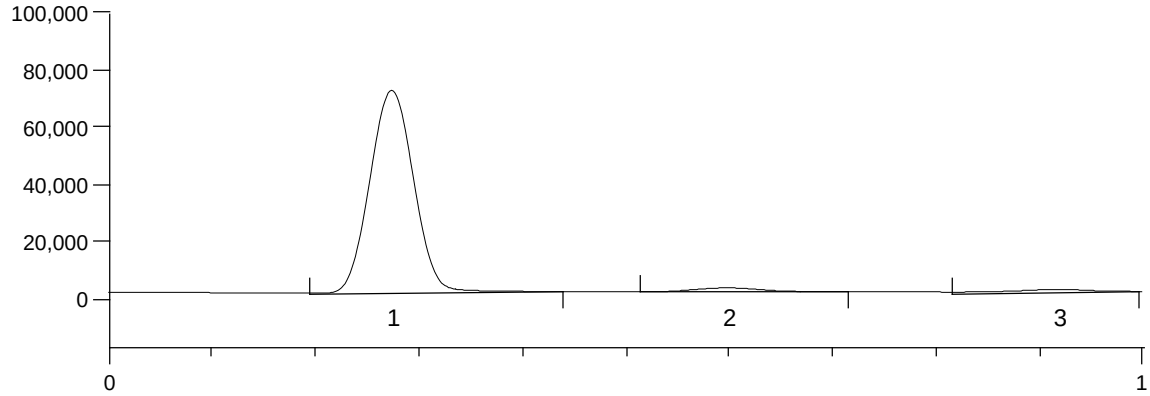
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
46		S	1408020-20		1	533,521	2.65	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 2:14 PM

Peak	rt	Area
1	0.08	7,763
2m	0.27	605,197
3	0.59	69,860
4	0.95	12,057

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
47		S	B140302-DUP3		2m	605,197	3.01	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 2:18 PM

Peak	rt	Area
1	0.27	2,086,011
2	0.59	61,123
3	0.91	35,441

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
48		S	B140302-MS3		1	2,086,011	10.4	0.00		< HS	accept
Notes											

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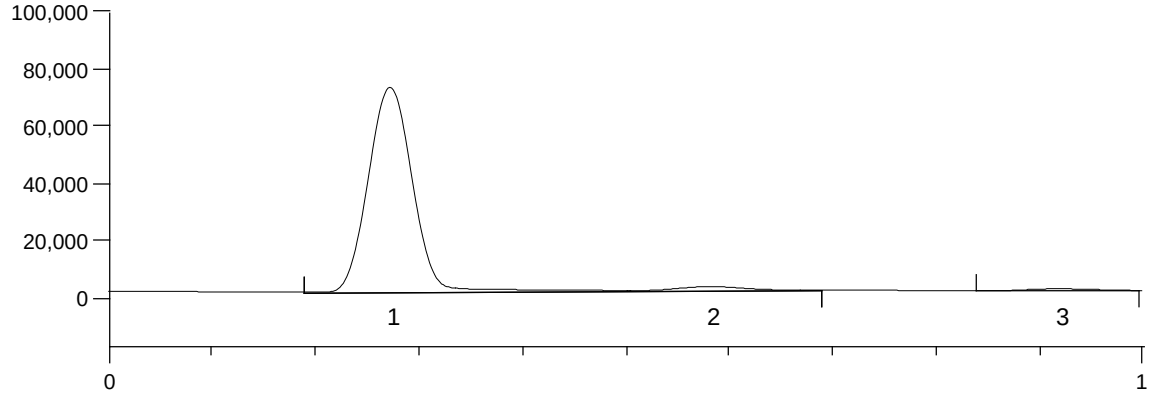
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

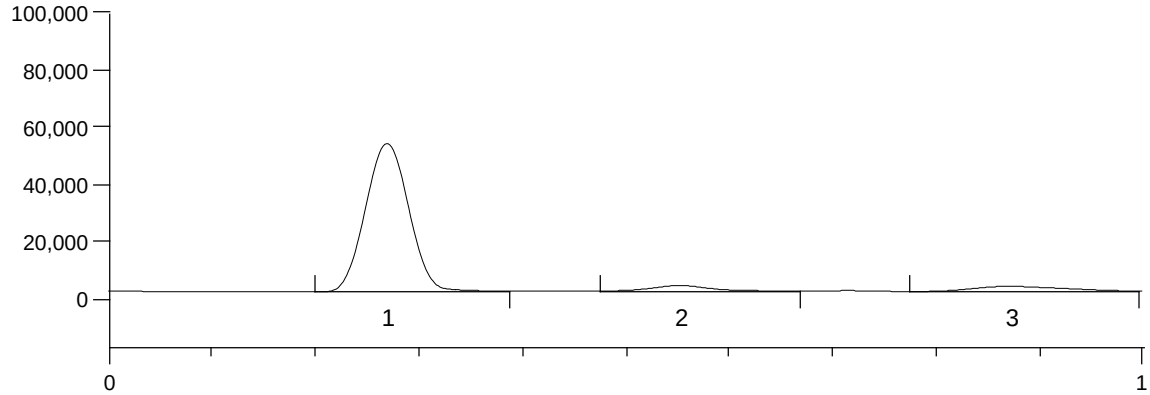
Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 2:23 PM

Peak	rt	Area
1	0.27	2,132,375
2	0.58	64,189
3	0.92	29,027

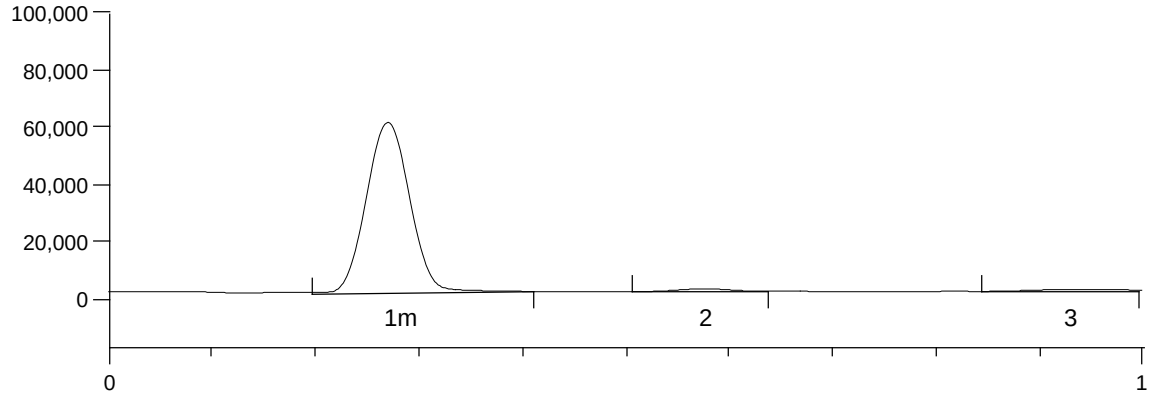
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
49		S	B140302-MSD3		1	2,132,375	10.6	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 2:27 PM

Peak	rt	Area
1	0.26	1,505,863
2	0.55	67,137
3	0.87	100,813

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
50		S	1408020-21		1	1,505,863	7.49	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 2:32 PM

Peak	rt	Area
1m	0.27	1,718,354
2	0.57	30,285
3	0.92	20,666

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
51		S	1408020-22		1m	1,718,354	8.55	0.00		< HS	accept
Notes											

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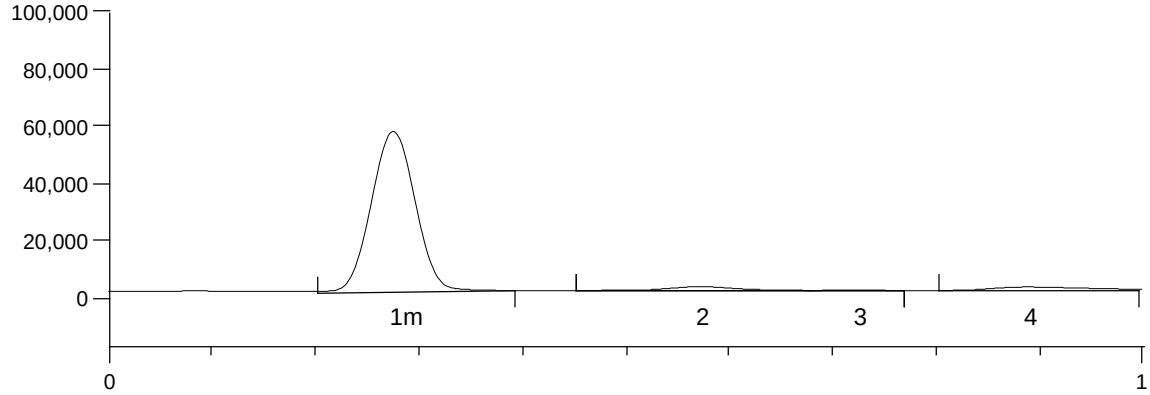
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

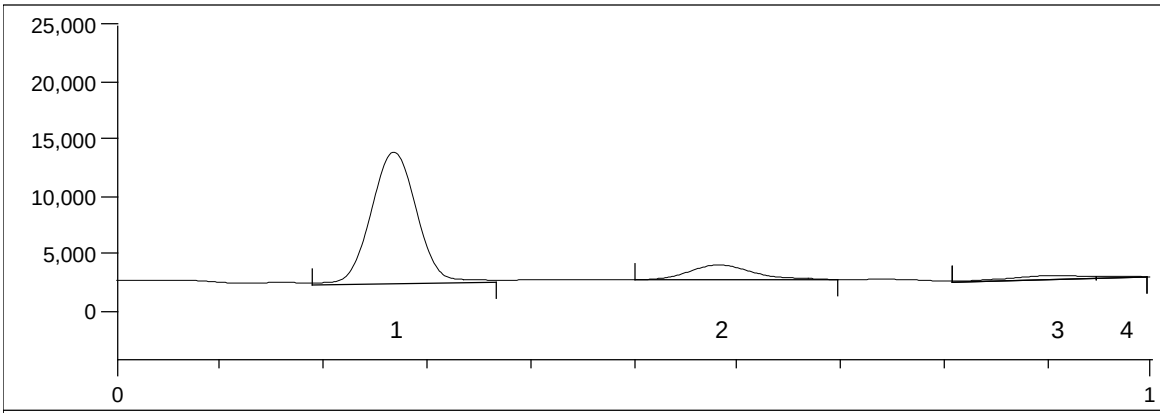
Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 2:37 PM

Peak	rt	Area
1m	0.27	1,632,937
2	0.57	63,947
3	0.72	6,042
4	0.88	62,037

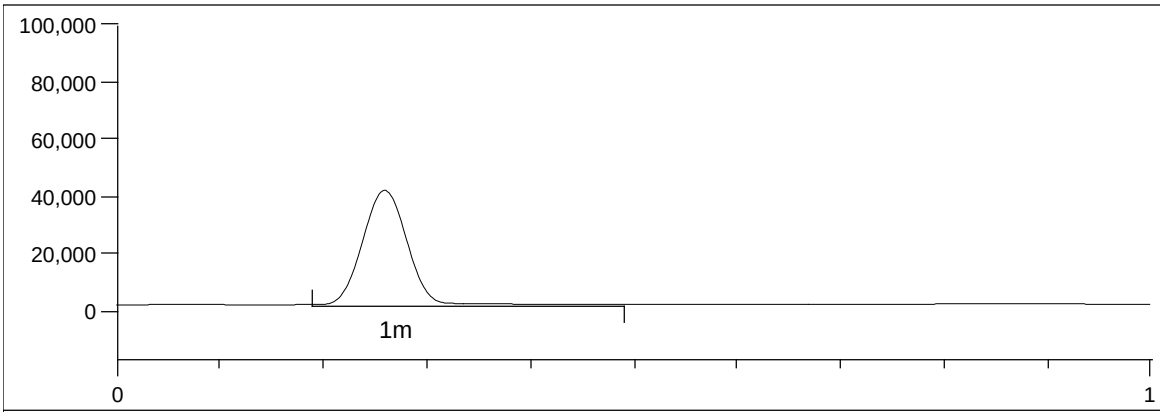
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
52		S	1408020-23		1m	1,632,937	8.12	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 2:41 PM

Peak	rt	Area
1	0.26	337,555
2	0.58	54,688
3	0.90	15,894
4	0.97	3,624

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
53		S	1408020-24		1	337,555	1.67	0.00		< HS	accept
Notes											



Date: 3/5/14
Time: 2:46 PM

Peak	rt	Area
1m	0.26	1,183,715

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
54		OPR	SEQ-CCV		1m	1,183,715	5.89		118	80-120	accept
Notes											

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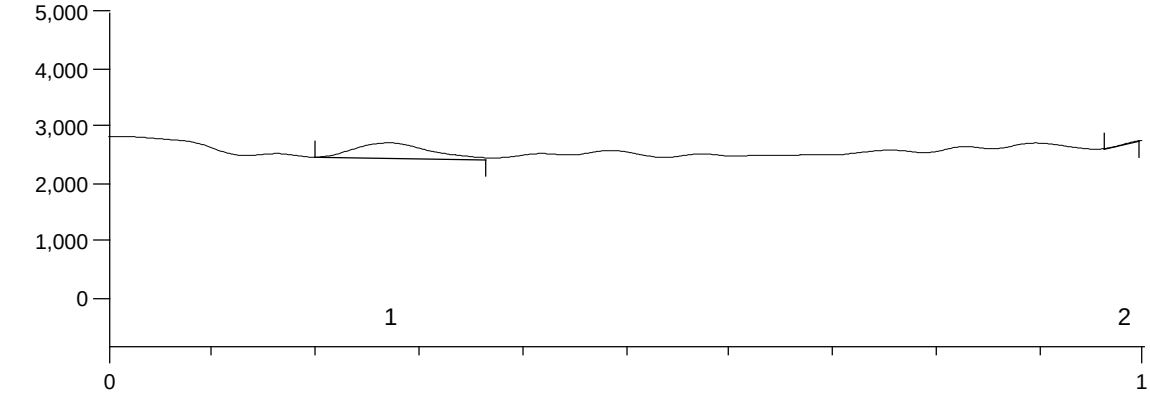
Peak Report

Batch Number: B140302
Method Number: BR-0021

Project Number(s): 1400181
Instrument ID: HGAA2

Date Analyzed: 3/5/14
Analyst Name: IRJ



Date: 3/5/14
Time: 2:50 PM

Peak	rt	Area
1	0.27	12,011
2	0.98	160

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
55		CCB	SEQ-CCB		1	12,011	0.0598		0.0598	< 0.40	accept
Notes											

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ANALYSIS SEQUENCE

1400182

Brooks Rand Labs

Instrument: HGAAS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400182-IBL1	1400182	QC	1		-			
1400182-IBL2	1400182	QC	2		-			
1400182-IBL3	1400182	QC	3		-			
1400182-IBL4	1400182	QC	4		-			
1400182-IBL5	1400182	QC	5		-			
1400182-IBL6	1400182	QC	6		-			
1400182-IBL7	1400182	QC	7		-			
1400182-CAL1	1400182	QC	8	1410066	-			
1400182-CAL2	1400182	QC	9	1410067	-			
1400182-CAL3	1400182	QC	10	1410068	-			
1400182-CAL4	1400182	QC	11	1410069	-			
1400182-CAL5	1400182	QC	12	1410070	-			
1400182-CAL6	1400182	QC	13	1410071	-			
1400182-ICV1	1400182	QC	14	1410040	-			
1400182-ICV2	1400182	QC	15	1410041	-			
1400182-CCV1	1400182	QC	16	1410039	-			
1400182-CCB1	1400182	QC	17		-			
B140303-BLK1	B140303	QC	18		-			
B140303-BLK2	B140303	QC	19		-			
B140303-BLK3	B140303	QC	20		-			
B140303-BLK4	B140303	QC	21		-			
B140303-BS1	B140303	QC	22		-			
B140303-SRM1	B140303	QC	23		-			
B140303-SRM2	B140303	QC	24		-			
1408020-01	B140303	DMAs-B-HClExt-HGAAS	25			ARD-MV1302	3/14/2014	
B140303-DUP1	B140303	QC	26		1408020-01			

ANALYSIS SEQUENCE

1400182

Brooks Rand Labs

Instrument: HGAAS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140303-MS1	B140303	QC	27		1408020-01			
B140303-MSD1	B140303	QC	28		1408020-01			
1408020-01RE1	B140303	DMAs-B-HClExt-HGAAS	29			ARD-MV1302	3/14/2014	Added 3/7/2014 by IRJ
1408020-02	B140303	DMAs-B-HClExt-HGAAS	30			ARD-MV1302	3/14/2014	
1408020-03	B140303	DMAs-B-HClExt-HGAAS	31			ARD-MV1302	3/14/2014	
B140303-DUP4	B140303	QC	32		1408020-01			
1408020-04	B140303	DMAs-B-HClExt-HGAAS	33			ARD-MV1302	3/14/2014	
1408020-05	B140303	DMAs-B-HClExt-HGAAS	34			ARD-MV1302	3/14/2014	
1408020-06	B140303	DMAs-B-HClExt-HGAAS	35			ARD-MV1302	3/14/2014	
1408020-07	B140303	DMAs-B-HClExt-HGAAS	36			ARD-MV1302	3/14/2014	
1408020-08	B140303	DMAs-B-HClExt-HGAAS	37			ARD-MV1302	3/14/2014	
1400182-CCV2	1400182	QC	38	1410039	-			
1400182-CCB2	1400182	QC	39		-			
1408020-09	B140303	DMAs-B-HClExt-HGAAS	40			ARD-MV1302	3/14/2014	
1408020-10	B140303	DMAs-B-HClExt-HGAAS	41			ARD-MV1302	3/14/2014	
B140303-DUP2	B140303	QC	42		1408020-10			
B140303-MS2	B140303	QC	43		1408020-10			
B140303-MSD2	B140303	QC	44		1408020-10			
1408020-11	B140303	DMAs-B-HClExt-HGAAS	45			ARD-MV1302	3/14/2014	
1408020-12	B140303	DMAs-B-HClExt-HGAAS	46			ARD-MV1302	3/14/2014	
1408020-13	B140303	DMAs-B-HClExt-HGAAS	47			ARD-MV1302	3/14/2014	
1408020-14	B140303	DMAs-B-HClExt-HGAAS	48			ARD-MV1302	3/14/2014	
1408020-15	B140303	DMAs-B-HClExt-HGAAS	49			ARD-MV1302	3/14/2014	
1408020-16	B140303	DMAs-B-HClExt-HGAAS	50			ARD-MV1302	3/14/2014	
1400182-CCV3	1400182	QC	51	1410039	-			
1400182-CCB3	1400182	QC	52		-			

ANALYSIS SEQUENCE

1400182

Brooks Rand Labs

Instrument: HGAAS-2

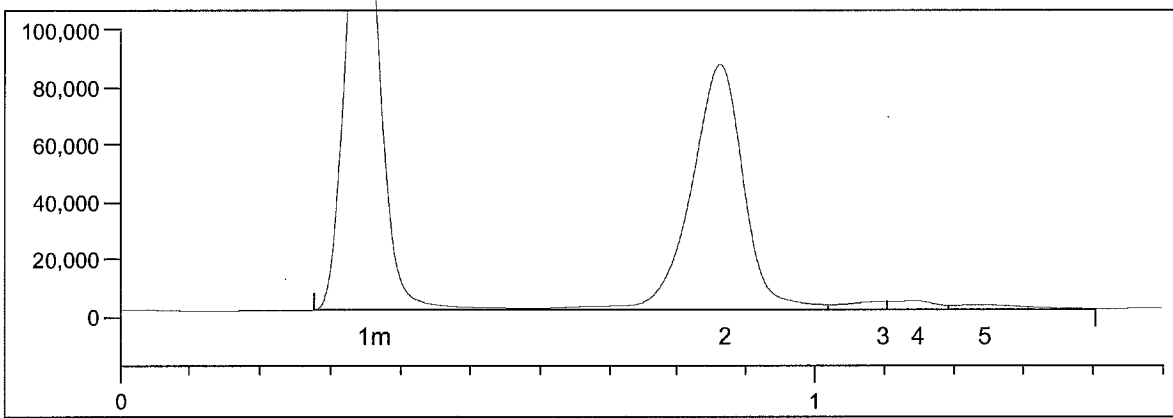
Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-17	B140303	DMAs-B-HClExt-HGAAS	53			ARD-MV1302	3/14/2014	
1408020-18	B140303	DMAs-B-HClExt-HGAAS	54			ARD-MV1302	3/14/2014	
1408020-19	B140303	DMAs-B-HClExt-HGAAS	55			ARD-MV1302	3/14/2014	
1408020-20	B140303	DMAs-B-HClExt-HGAAS	56			ARD-MV1302	3/14/2014	
B140303-DUP3	B140303	QC	57		1408020-20			
B140303-MS3	B140303	QC	58		1408020-20			
B140303-MSD3	B140303	QC	59		1408020-20			
1408020-21	B140303	DMAs-B-HClExt-HGAAS	60			ARD-MV1302	3/14/2014	
1408020-22	B140303	DMAs-B-HClExt-HGAAS	61			ARD-MV1302	3/14/2014	
1408020-23	B140303	DMAs-B-HClExt-HGAAS	62			ARD-MV1302	3/14/2014	
1408020-24	B140303	DMAs-B-HClExt-HGAAS	63			ARD-MV1302	3/14/2014	
1400182-CCV4	1400182	QC	64	1410039	-			
1400182-CCB4	1400182	QC	65		-			

Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

Date Analyzed: 3/6/14
Analyst Name: IRJ

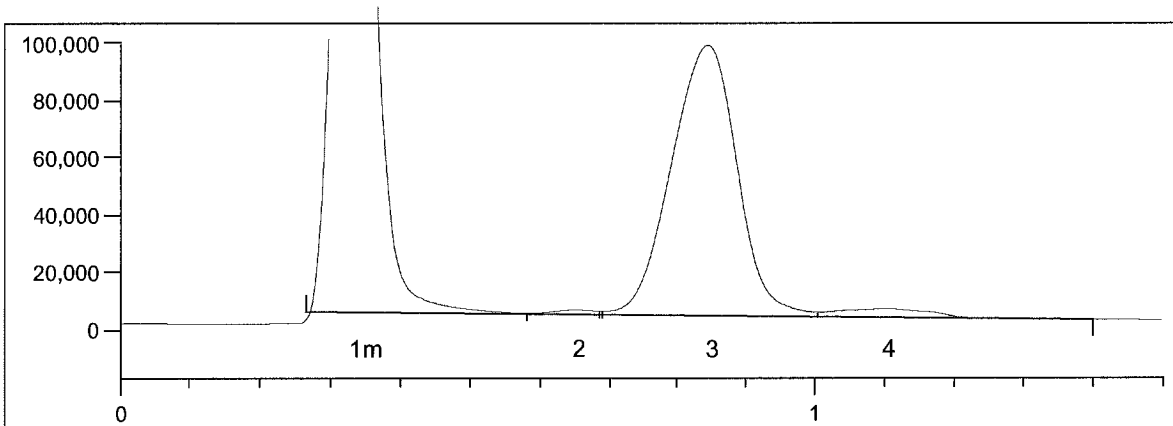


Date: 3/6/14
Time: 3:30 PM

Peak	rt	Area
1m	0.34	5,451,569
2	0.86	4,500,089
3	1.09	103,612
4	1.14	116,150
5	1.23	91,140

CMC 3/26/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
63		S	1408020-17		2	4,500,089	21.9	0.00		< HS	accept
Notes											

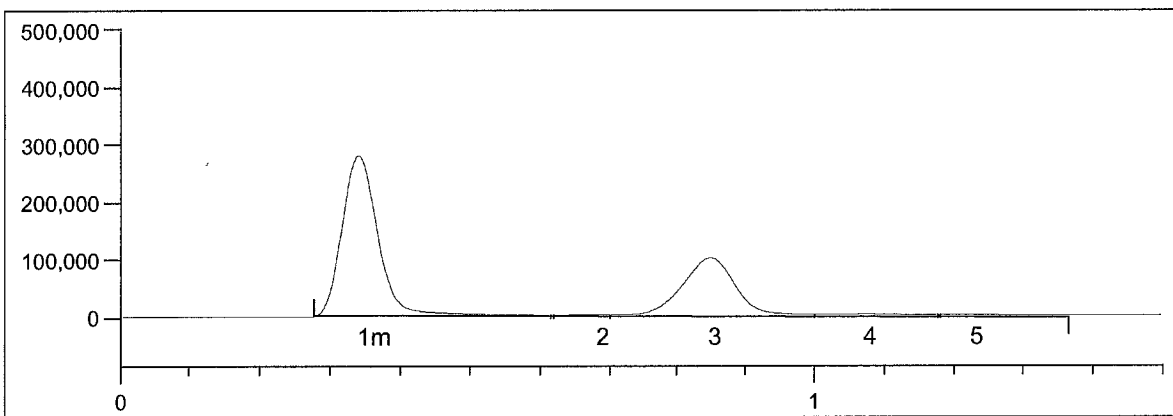


Date: 3/6/14
Time: 3:34 PM

Peak	rt	Area
1m	0.33	10,926,950
2	0.65	63,833
3	0.84	6,299,231
4	1.10	280,253

CMC 3/26/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
64		S	1408020-18		3	6,299,231	30.6	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 3:39 PM

Peak	rt	Area
1m	0.34	9,807,276
2	0.68	39,899
3	0.84	5,335,545
4	1.07	184,591
5	1.22	47,493

CMC 3/26/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
65		S	1408020-19		3	5,335,545	25.9	0.00		< HS	accept
Notes											

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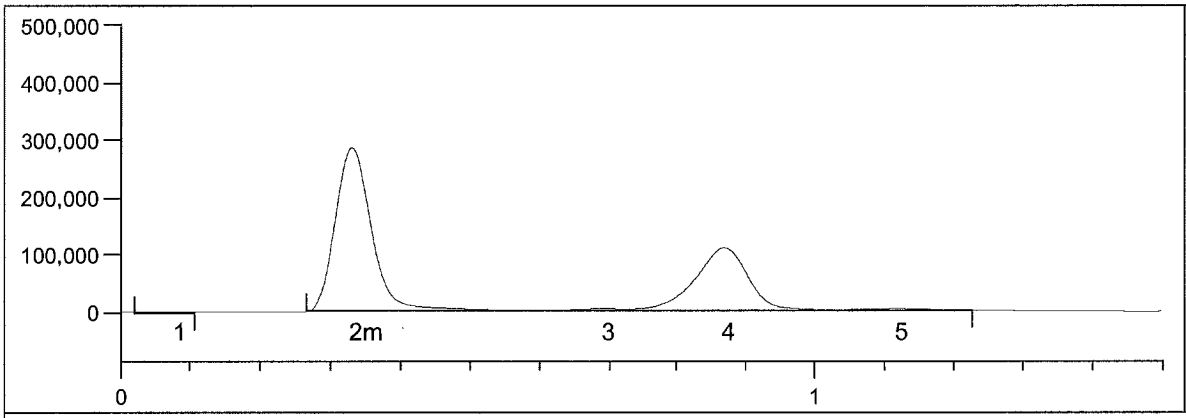
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

Date Analyzed: 3/6/14
Analyst Name: IRJ

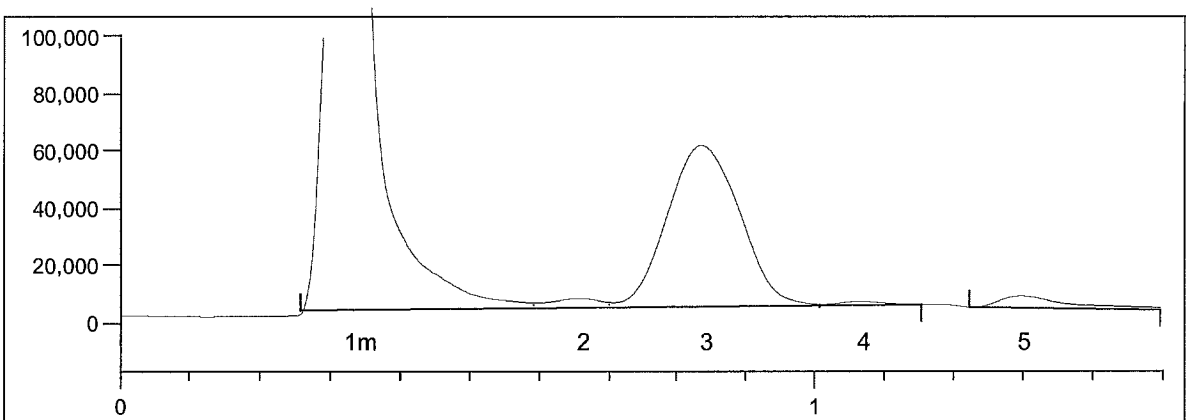


Date: 3/6/14
Time: 4:02 PM

Peak	rt	Area
1	0.08	4,573
2m	0.33	10,263,330
3	0.69	167,367
4	0.86	5,892,220
5	1.12	247,720

CMC 3/26/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
70		S	1408020-21		4	5,892,220	28.7	0.00		< HS	accept
Notes											

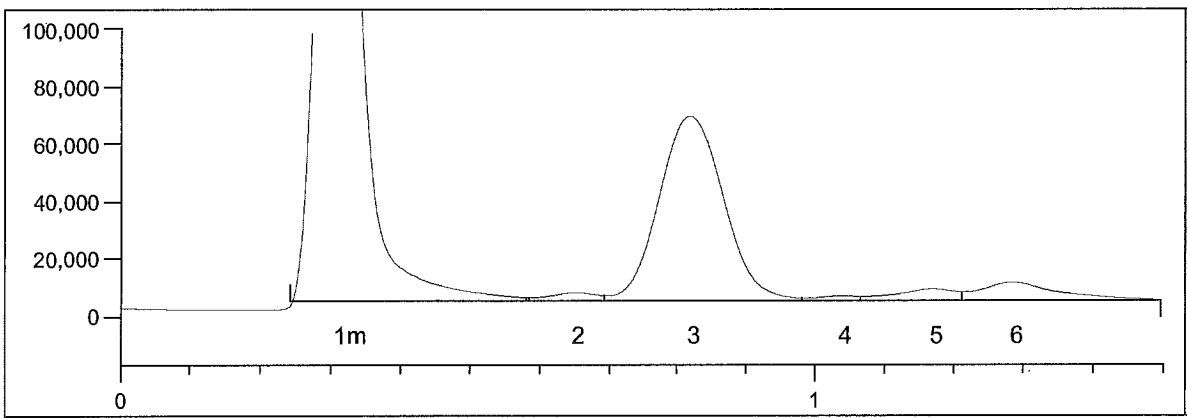


Date: 3/6/14
Time: 4:07 PM

Peak	rt	Area
1m	0.32	12,008,509
2	0.66	138,973
3	0.83	4,074,654
4	1.06	55,913
5	1.30	237,524

CMC 3/26/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
71		S	1408020-22		3	4,074,654	19.8	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 4:12 PM

Peak	rt	Area
1m	0.30	11,346,260
2	0.65	125,067
3	0.81	4,144,161
4	1.04	59,382
5	1.17	236,644
6	1.28	469,580

CMC 3/26/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
72		S	1408020-23		3	4,144,161	20.2	0.00		< HS	accept
Notes											

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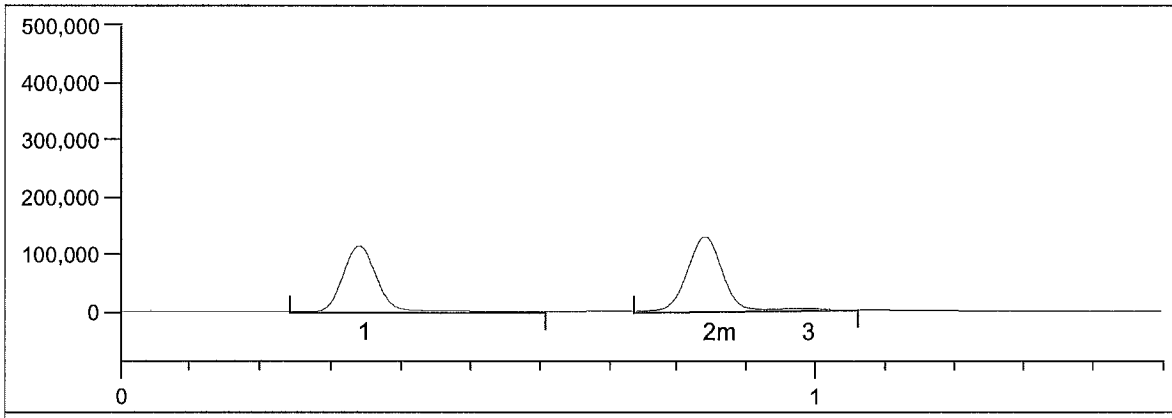
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 4:17 PM

Peak	rt	Area
1	0.34	3,774,703
2m	0.84	4,442,004
3	0.98	168,895

Calc 3/26/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
73		S	1408020-24		2m	4,442,004	21.6	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 0046

As(In) ☐ As(III) ☐ MMA ☑ DMA ☑ Analysis Sheet

MMA / DMA

Sequence: 1400183/182	Batch(es): B140304/303	Matrix: Biota
Analyst: TRJ	Date: 03-06-14	Pump purge time: 2:30
Cal. blank (average): 0.002 / 0.00 µg/L	Cal. coefficient: 0.00471/0.00468	RSD: 7.07/11.1 %
Method blank (average): 0.00/0.00 mg/kg	Noise: 2687	Trap(s) #: 51
Cal. Std. 10ng/mL: 1410036	ICV Std. 100ng/mL: 1410037/0038	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	↓	3.00		↓ ①
3	SEQ-IBL1	-		high blk for MMA - changed HCl
4	-IBL2	-		- changed H_2O (DIW)
5	-IBL3	-		- changed NaBH4 (remade)
6	-IBL4	-		
7	-IBL5	-		
8	-IBL6	-		
9	-CAL1	0.050		10ng/mL Cal. high MMA fail ② NOT uploaded TOLIMS 3/26/14
10	-CAL2	0.100		
11	-CAL3	0.200		
12	-CAL4	1.00		
13	-CAL5	2.00		
14	-CAL6	3.00		
15	-CAL7	0.050		fail
16	-CAL8	0.100		-CAL std. remade
17	-IBL7	-		run to confirm clean bubbler/reagents
18	-CAL1	0.050		10ng/mL Cal.
19	-CAL2	0.100		
20	-CAL3	0.200		
21	-CAL4	1.00		
22	-CAL5	2.00		
23	-CAL6	3.00		
24	-ICV1	0.050		100ng/mL MMA ICV

Comments: ① Tests w/ new trap suggest it will calibrate for both MMA and DMA. ② seems systematic error / or consistent amount of contamination is present CAL 1-3.

As(In) ☐ As(III) ☐ MMA ☑ DMA ☑ Analysis Sheet

Page 2 of 3

Sequence: 1400183/182 Batch: B140304/303 Analyst: DRJ Date: 03-06-14

Run #	Sample ID	Analyzed Volume (mL)	Dilution Factor	Analysis comments / For QC: Source sample, standard ID, and spiked amount
25	SEQ-ICV2	0.050		100ng/mL ICV (DMA)
26	-CCV1	0.500		10ng/mL Cal.
27	-CCB1	-		
28	B140304/303-BLK1	2.00		
29	-BLK2			
30	-BLK3			
31	-BLK4			
32	-BS1			
33	-SRM1			②
34	-SRM2			
35	1408020-01			
36	B140304/303-DUP1			native: 1408020-01 >35% RPD
37	-MS1			
38	-MSD1			
39	1408020-01 RE1			④
40	-02			
41	-03			
42	B140304/303-DUP4			rerun of DUP1 - confirms
43	1408020-04			
44	-05			
45	-06			
46	-07			
47	-08			
48	SEQ-CCV2	0.500		10ng/mL Cal.
49	-CCB2	-		
50	1408020-09	2.00		③
51	-10			
52	B140304/303-DUP2			native: 1408020-10

Comments: ③ 25 µL anti-foam added to avoid bubble-over into traps.
④ Not enough volume left to reanalyze @ 2mL (w/o pipetting some solid), DUP1 rerun again instead.

As(In) ☐ As(III) ☐ MMA ☑ DMA ☑ Analysis Sheet

Sequence: 1400183/182 Batch: B140304/303 Analyst: IRJ Date: 03-06-14

Run #	Sample ID	Analyzed Volume (mL)	Dilution Factor	Analysis comments / For QC: Source sample, standard ID, and spiked amount
53	B140304/303-MS2	2.00		native: 1408020-10 (3)
54	↓ -MSD2	↓		↓
55	1408020-11			
56	-12			
57	-13			
58	-14			
59	-15			
60	-16	↓		↓
61	SEQ-CCV3	0.500		10ng/mL Cal.
62	↓ -CCB3	-		
m2 63	1408020-17	2.00		(3)
64	-18	↓		↓
65	-19			
66	-20	0.500		
67	B140304/303-DWP3	↓		native: 1408020-20
68	-MS3			↓
69	-MSD3			
m2 70	1408020-21	2.00		(3)
71	-22	↓		↓
m2 72	-23			
73	-24			
m2 74	SEQ-CCV	0.500		10ng/mL Cal.
75	↓ -CCB	-		
			IRJ 03-06-14	

Comments: _____

Total As / Total Se / As Species (inorg, III, MMA/DMA) (circle)

Methods BR-0020 Rev _____ (HGAAS) & BR-0021 Rev 004b Mod. of EPA 1632 (HGAAS) - circle

Matrix: *Water* / *Sediment* / *Biota* / *Other* _____ *(circle one)*

Batch #(s): B140301, 302, 303, 304 Preparation Start Date/Time*: 03-03-14 / 1550 Page 1 of 2

* Time is when the first reagents are added.

Prepared By: DRJ

Balance ID: BL-08

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
1408020-01 QC1	0.5299	
1408020-02	0.5000	
1408020-03	0.5626	
1408020-04	0.5100	
1408020-05	0.5514	
1408020-06	0.5309	
1408020-07	0.5230	
1408020-08	0.5795	
1408020-09	0.5259	
1408020-10 QC2	0.5247	
1408020-11	0.5473	
1408020-12	0.5426	
1408020-13	0.5836	
1408020-14	0.5094	
1408020-15	0.4972	
1408020-16	0.4941	
1408020-17	0.5270	
1408020-18	0.5231	
1408020-19	0.5241	
1408020-20	0.5710	
1408020-21	0.5967	
1408020-22	0.5039	
1408020-23	0.5763	
1408020-24	0.5295	

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
B140301/302-BS1	-	
B140302-BS2	-	
B140303/304-BS1	-	
~~B140301/302~~-DUP1	0.5479	All batches
~~B140301/302~~-DUP2	0.5426	↓
~~B140301/302~~-DUP3	0.5239	↓
B140301/302-MS1	0.5100	
B140301/302-MS2	0.5075	
B140301/302-MS3	0.5225	
B140301/302-MSD1	0.5459	
B140301/302-MSD2	0.4996	
B140301/302-MSD3	0.5637	
B140303/304-MS1	0.5060	
B140303/304-MS2	0.5243	
B140303/304-MS3	0.5128	
B140303/304-MSD1	0.5531	
B140303/304-MSD2	0.5106	
B140303/304-MSD3	0.5530	
SRM1	0.2071	
SRM2	0.2082	
BLK1	-	
BLK2	-	
BLK3	-	
BLK4	-	

Batch QC ID	Sample Source	Spike Added (mL)	Spike Concentration (ug/mL)	Spike ID	Spike Witness Initials/Date
B140301/302-BS1	-	0.500	0.10	1410002	3/3/14
B140302-BS2	-	↓	↓	1410006	
B140301/302-MS/MSD1	1408020-01	0.500	0.10	↓	
B140301/302-MS/MSD2	↓ -10	0.250	↓	↓	
B140301/302-MS/MSD3	↓ -20	0.050	10	1410005	

Reagents Added (ID/Amount Added)
2M HCl (1409095 / 10mL)

Target Digestion Temperature = 75-85 °C

Measured Temperature*, Time On / Time Off, Date
82 (81) °C 1610 03-03-14
- 16 hour timer

Thermometer ID: BL-0

* Both measured and corrected temperatures must be recorded

Final Volume of Preparation: 10mL

Volume of Prep Subsampled:

Dilution Media: DRJ 03-03-14

Final Dilution Volume:

CRM, Matrix, Certified Values

SRM1/2: Nist 1568b (Rice Flour): 1337024

Comments: Sample aliquots massed on 02-27-14 by DRJ then stored in the walk-in freezer until prep. date.

Total As / Total Se / As Species In/III/MMA/DMA **(circle)**

Methods BR-0020 Rev _____ (HGAAS) & BR-0021 Rev 004b **Mod. of EPA 1632 (HGAAS) - circle**

Matrix: Water / Sediment / (Biota) / Other_____ (circle one)

Batch #(s): B140303/304

Page 2 of 2

Prepared By: IRJ

Preparation Start Date/Time*: 03/03/14 - 1550

* Time is when the first reagents are added.

Balance ID: BL-08

Preparation End Date/Time**: 03/03/14 - 1605

** Time is when the last sample is brought upto volume or when last reagent is added if it does not need to be brought upto vlume.

Batch QC ID	Source	MMA Spike Added(mL)/Conc.	DMA Spike Added(mL)/Conc.	Spike ID (MMA/DMA)
BS1	–	0.500/ 0.10 µg/mL	0.500/0.10 µg/mL	1410037/1410038
MS/MSD1	1408020-01	0.25 / 0.10 µg/mL	0.250 / ↓	↓
MS/MSD2	↓ -10	↓ / ↓	↓ / ↓	↓
MS/MSD3	↓ -20	0.25 / 0.10 µg/mL	0.020 / 10 µg/mL	1410037/1410035

3/3/14 CCE
Witness/Date

Target Digestion Temperature = 75-85°C

Reagents Added (ID/Amount Added)
2 M HCl (1409005/10mL)

Measured Temperature*, Time On / Time Off, Date
See pg. 1 IRJ 3-7-14

Thermometer ID: _____

* Both measured and corrected temperatures must be recorded

Final Volume of Preparation: 10mL
~~Volume of Prep Subsampled:~~
~~Dilution Media:~~ IRJ 03-03-14
Final Dilution Volume:

CRM, Matrix, Certified Values
Same as pg. 1

Comments:

Sample ID	Sample Mass (g)
1409005-01	0.2012
1409034-01	0.2108
1409004-01	0.2056
1409011-01	0.2019
1409012-01	0.2022
1408032-01	0.2045

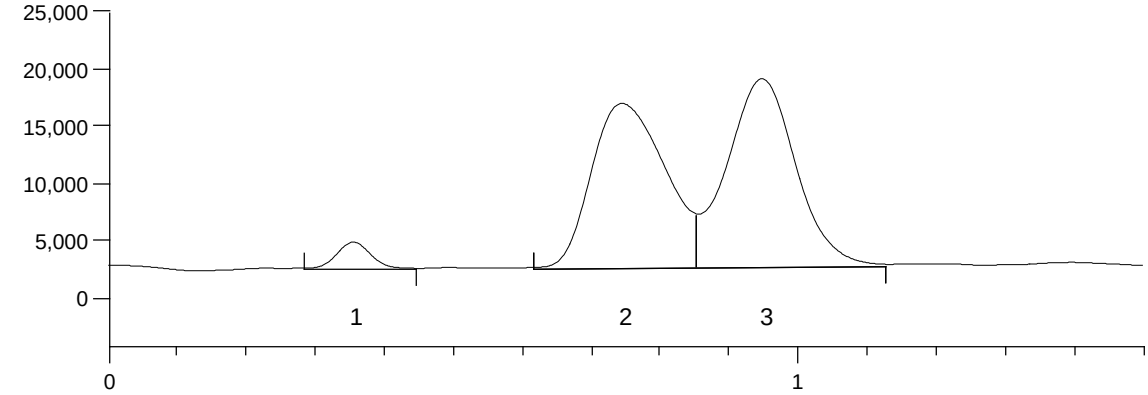
IRJ 03-03-14

Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

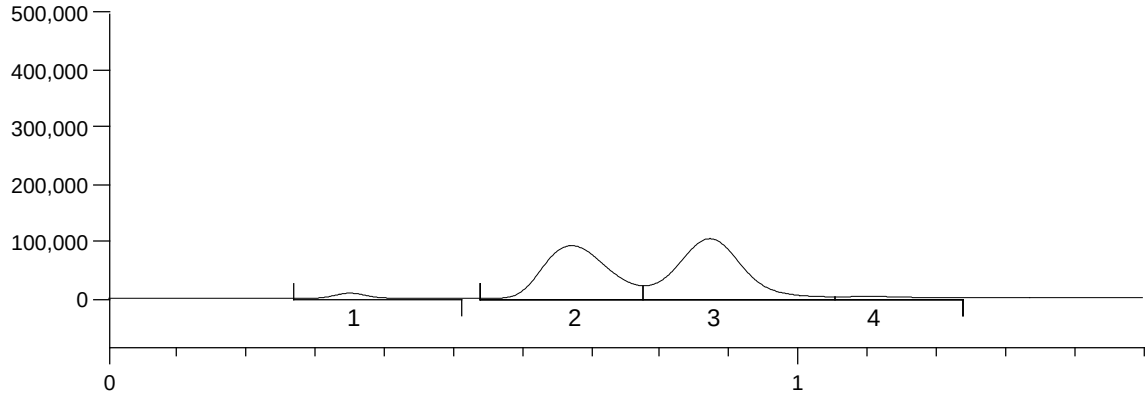
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 9:25 AM

Peak	rt	Area
1	0.35	75,780
2	0.74	1,068,275
3	0.94	1,118,917

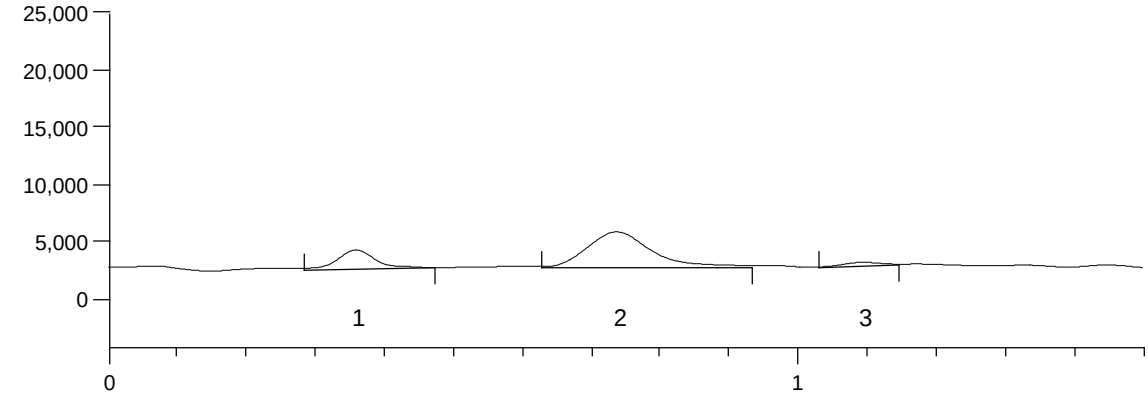
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1		STD	TEST		3	1,118,917	5.44		109	80-120	reject
Notes											



Date: 3/6/14
Time: 9:30 AM

Peak	rt	Area
1	0.35	312,434
2	0.67	6,123,108
3	0.87	6,887,422
4	1.10	131,250

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2		STD	TEST		3	6,887,422	33.5		112	80-120	reject
Notes											



Date: 3/6/14
Time: 9:35 AM

Peak	rt	Area
1	0.36	57,261
2	0.73	183,386
3	1.09	8,972

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3		CB	SEQ-IBL1			0	0.00		0.00	< 0.4	reject
Notes											

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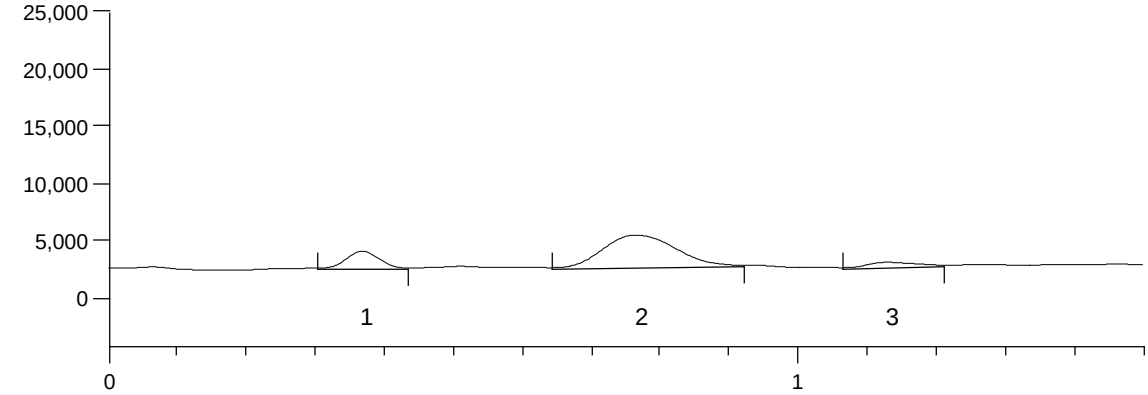
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

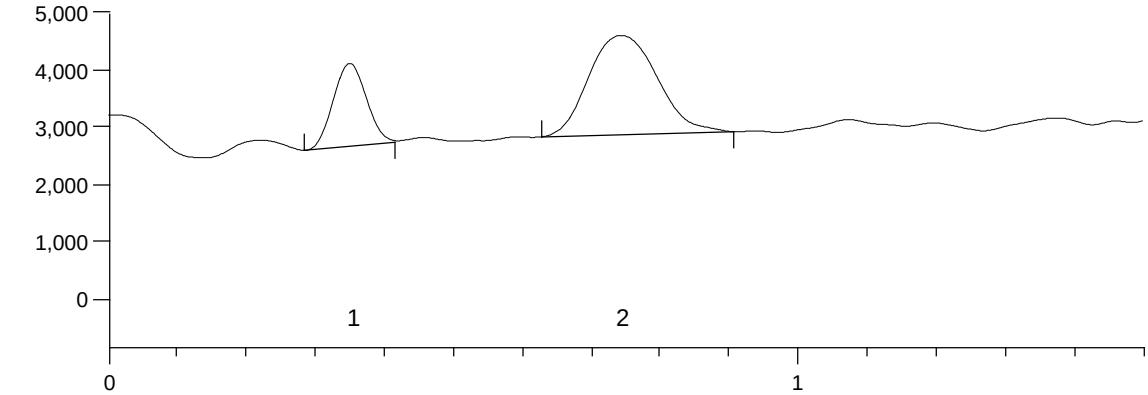
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 9:41 AM

Peak	rt	Area
1	0.36	46,928
2	0.76	197,337
3	1.12	17,474

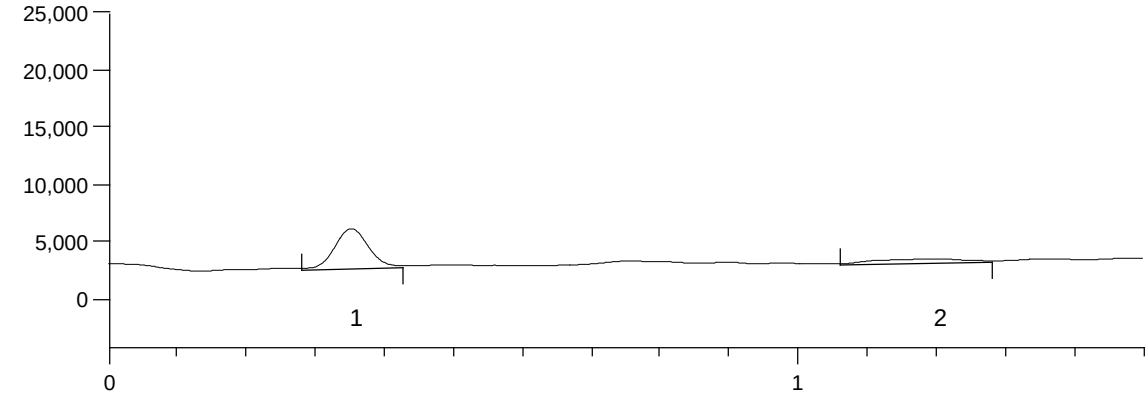
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4		CB	SEQ-IBL2			0	0.00		0.00	< 0.4	reject
Notes											



Date: 3/6/14
Time: 9:47 AM

Peak	rt	Area
1	0.35	47,824
2	0.74	119,320

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5		CB	SEQ-IBL3			0	0.00		0.00	< 0.4	reject
Notes											



Date: 3/6/14
Time: 10:09 AM

Peak	rt	Area
1	0.35	108,807
2	1.20	22,803

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6		CB	SEQ-IBL4			0	0.00		0.00	< 0.4	accept
Notes											

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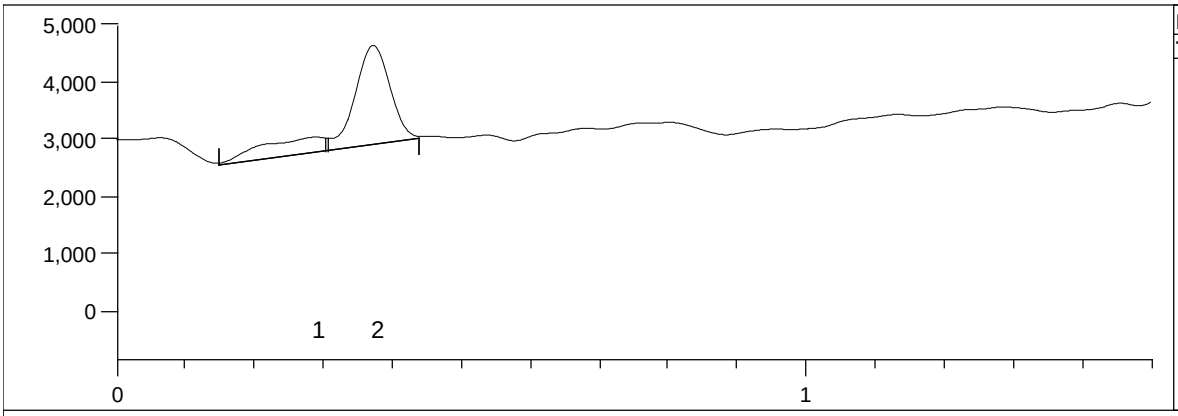
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

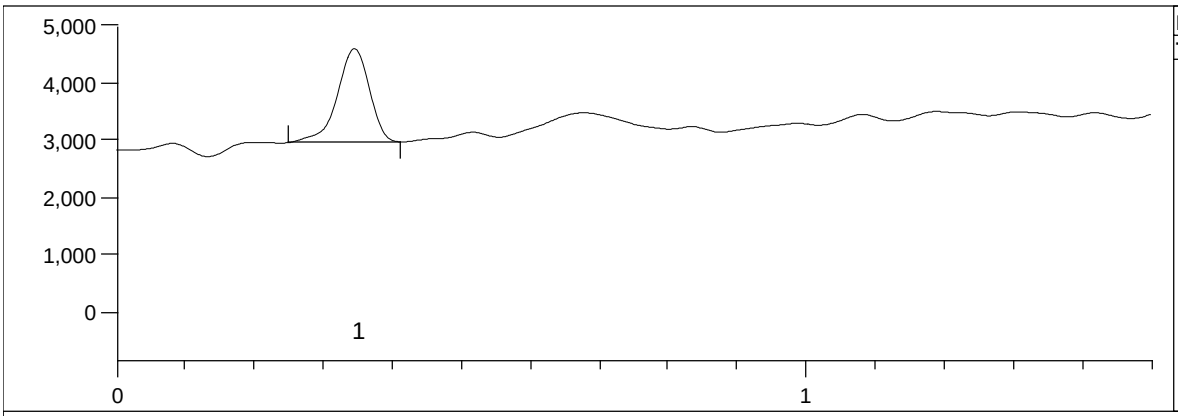
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 10:13 AM

Peak	rt	Area
1	0.28	17,021
2	0.37	58,473

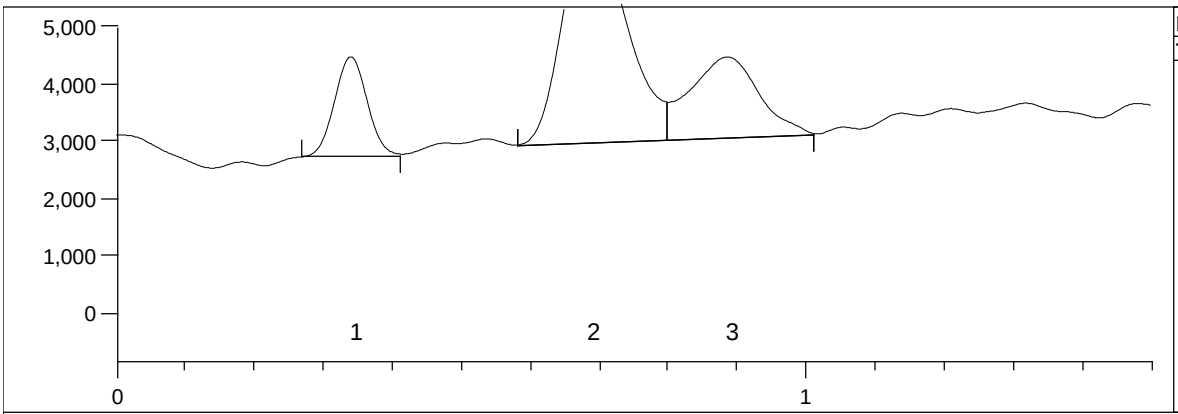
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7		CB	SEQ-IBL5			0	0.00		0.00	< 0.4	accept
Notes											



Date: 3/6/14
Time: 10:18 AM

Peak	rt	Area
1	0.34	52,671

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8		CB	SEQ-IBL6			0	0.00		0.00	< 0.4	accept
Notes											



Date: 3/6/14
Time: 10:23 AM

Peak	rt	Area
1	0.34	56,063
2	0.68	242,750
3	0.88	96,541

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9		STD	test		3	96,541	0.469		93.9	80-120	reject
Notes											

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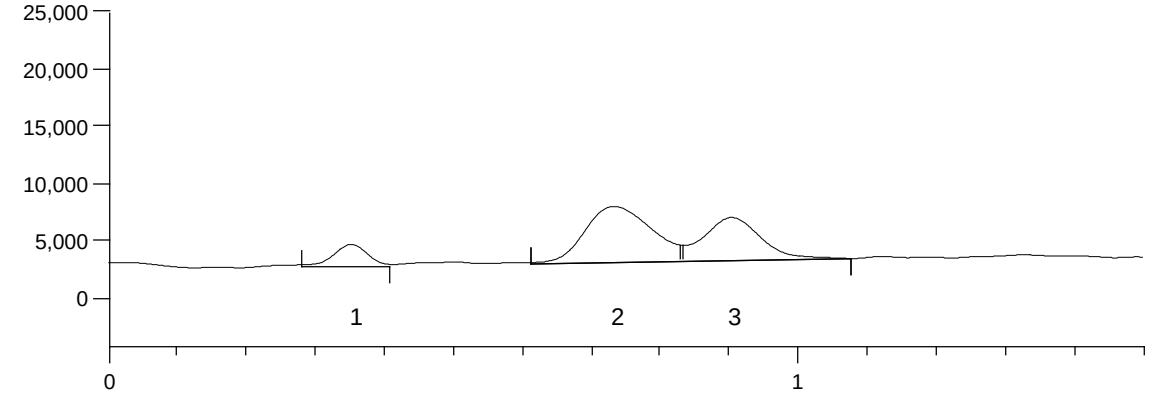
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

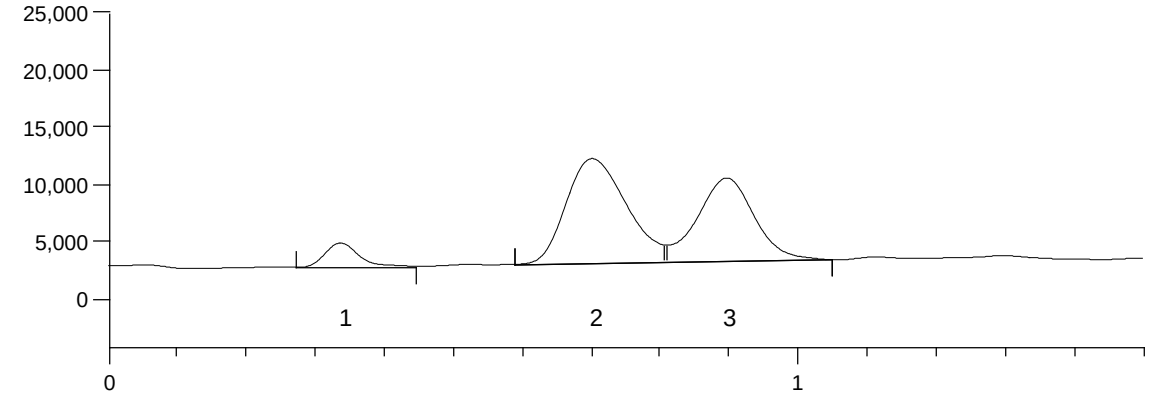
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 10:28 AM

Peak	rt	Area
1	0.35	54,783
2	0.73	322,078
3	0.90	212,276

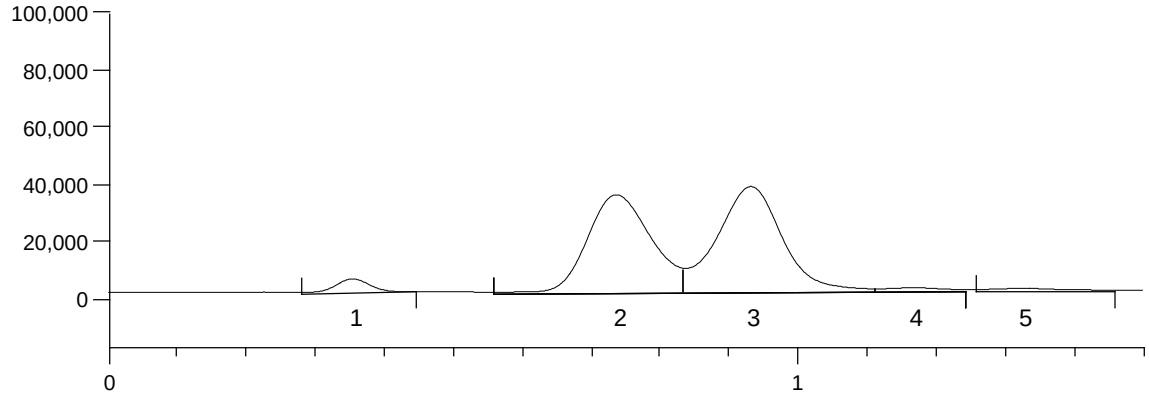
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10		STD	test		3	212,276	1.03		103	80-120	reject
Notes											



Date: 3/6/14
Time: 10:33 AM

Peak	rt	Area
1	0.33	69,215
2	0.70	559,861
3	0.89	419,003

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11		STD	test		3	419,003	2.04		102	80-120	reject
Notes											



Date: 3/6/14
Time: 10:38 AM

Peak	rt	Area
1	0.35	152,070
2	0.73	2,164,319
3	0.93	2,336,729
4	1.16	33,555
5	1.32	25,013

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12		STD	test		3	2,336,729	11.4		114	80-120	reject
Notes											

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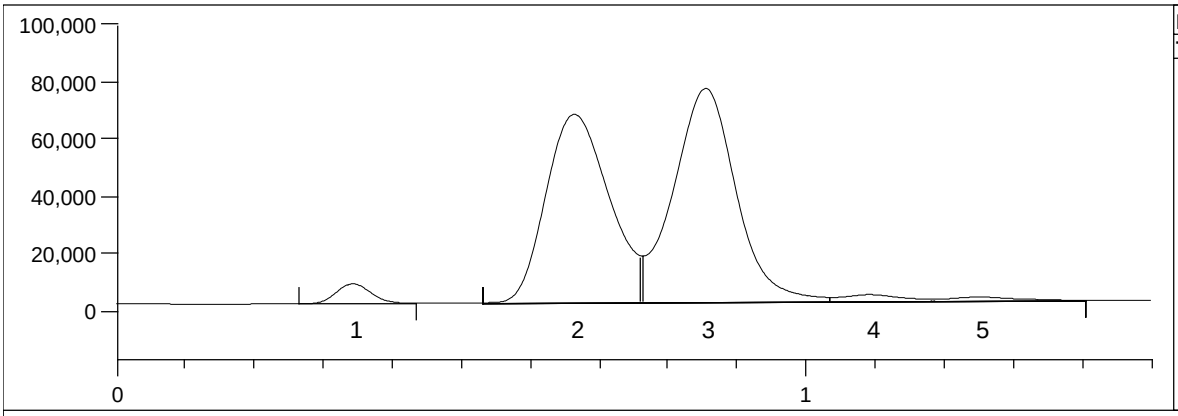
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

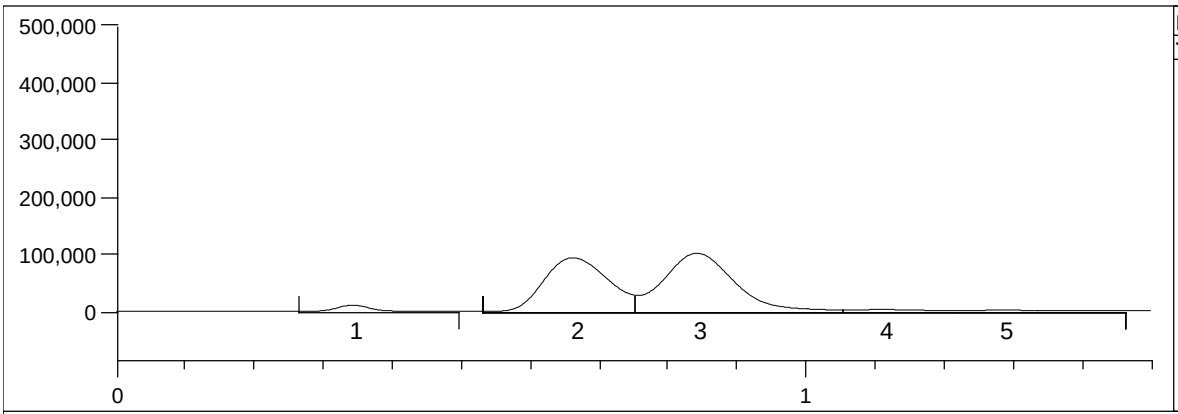
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 10:42 AM

Peak	rt	Area
1	0.34	238,686
2	0.66	4,216,784
3	0.85	4,683,049
4	1.09	130,861
5	1.25	83,193

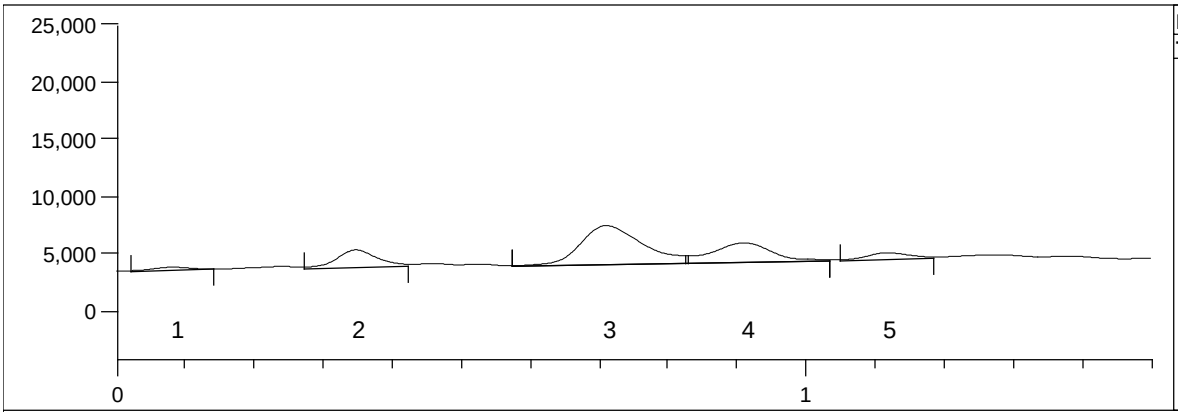
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
13		STD	test		3	4,683,049	22.8		114	80-120	reject
Notes											



Date: 3/6/14
Time: 10:47 AM

Peak	rt	Area
1	0.34	356,083
2	0.66	6,084,270
3	0.84	7,106,695
4	1.11	175,804
5	1.28	98,105

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
14		STD	test		3	7,106,695	34.6		115	80-120	reject
Notes											



Date: 3/6/14
Time: 10:52 AM

Peak	rt	Area
1	0.08	8,331
2	0.34	50,013
3	0.71	209,929
4	0.90	93,277
5	1.11	18,753

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
15		STD	test		4	93,277	0.454		90.7	80-120	reject
Notes											

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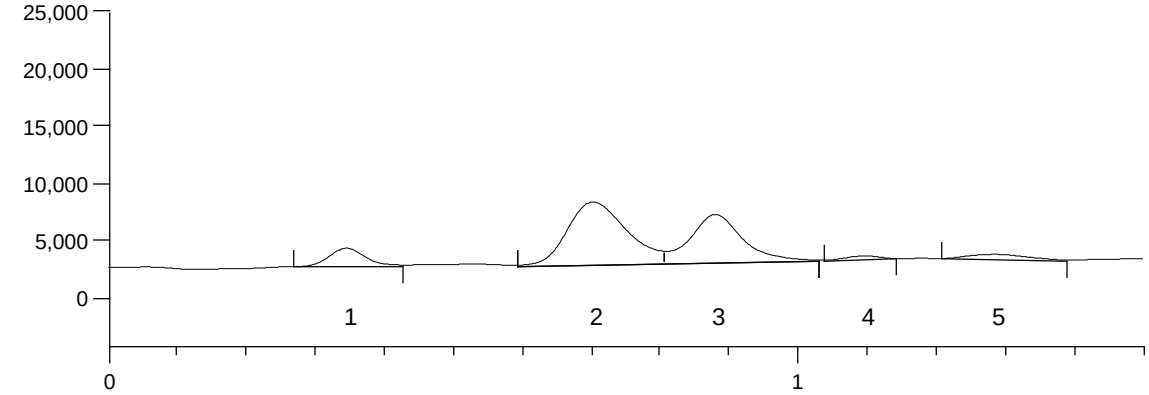
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

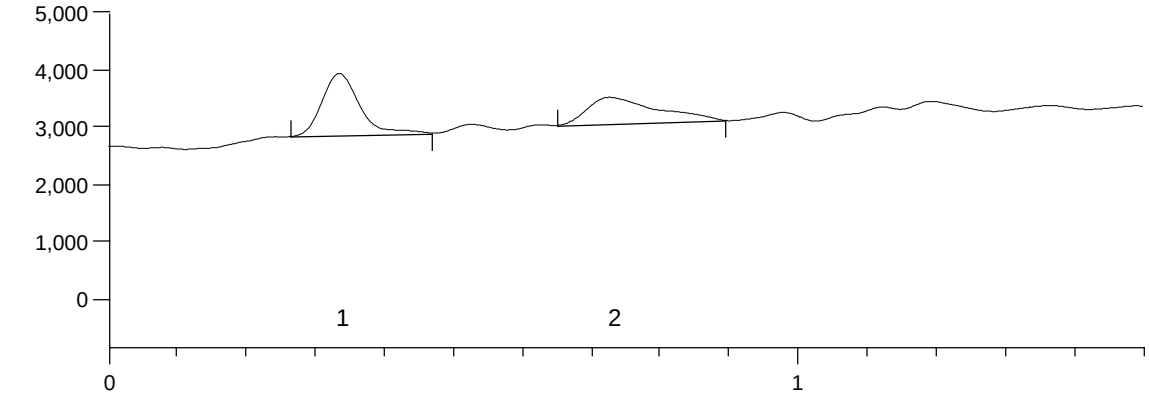
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 10:58 AM

Peak	rt	Area
1	0.34	54,337
2	0.70	323,212
3	0.88	215,485
4	1.09	10,172
5	1.28	23,766

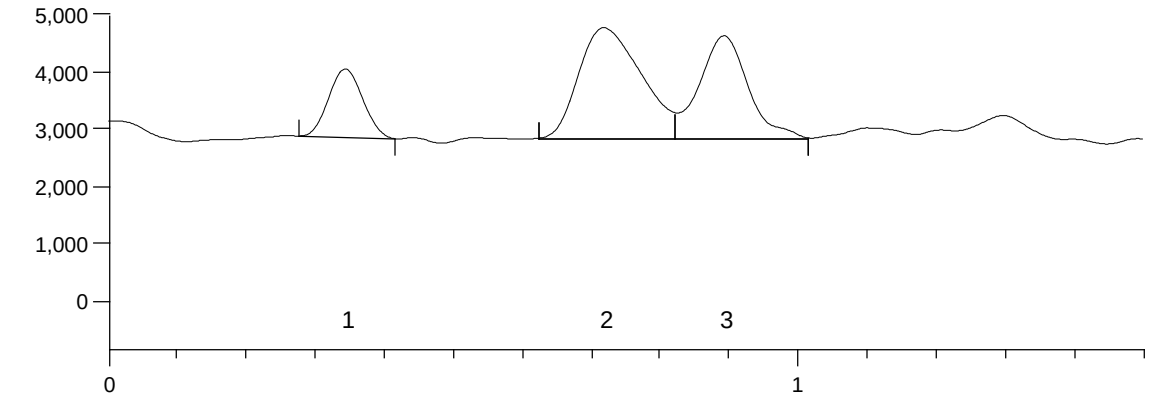
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16		STD	test		3	215,485	1.05		105	80-120	reject
Notes											



Date: 3/6/14
Time: 11:12 AM

Peak	rt	Area
1	0.33	40,296
2	0.72	32,367

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17		CB	SEQ-IBL7			0	0.00		0.00	< 0.4	accept
Notes											



Date: 3/6/14
Time: 11:16 AM

Peak	rt	Area
1	0.34	40,999
2	0.72	121,892
3	0.89	86,817

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18		STD	SEQ-CAL1		3	86,817	0.422		84.4	80-120	accept
Notes											

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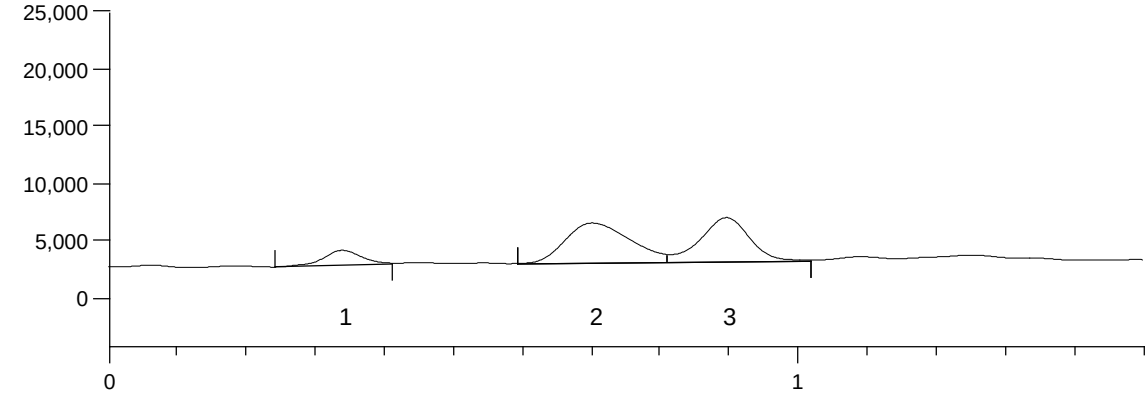
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

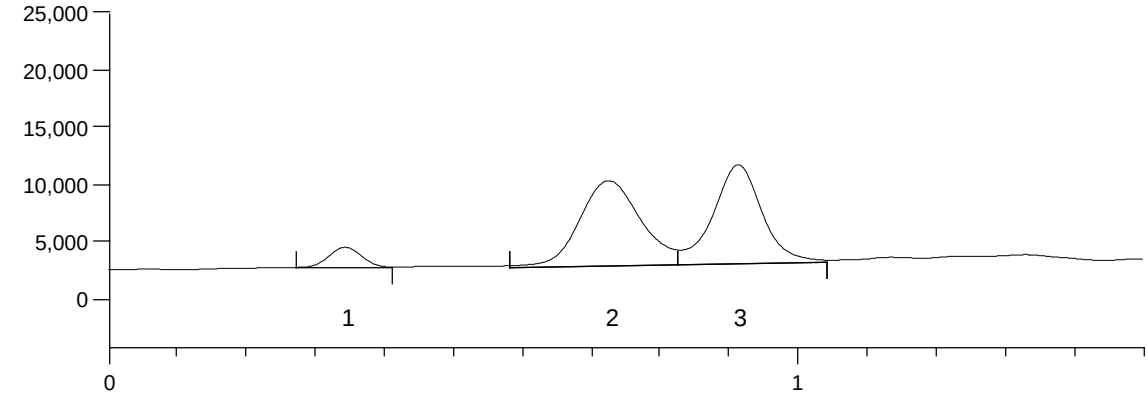
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 11:21 AM

Peak	rt	Area
1	0.34	48,237
2	0.70	227,028
3	0.89	182,063

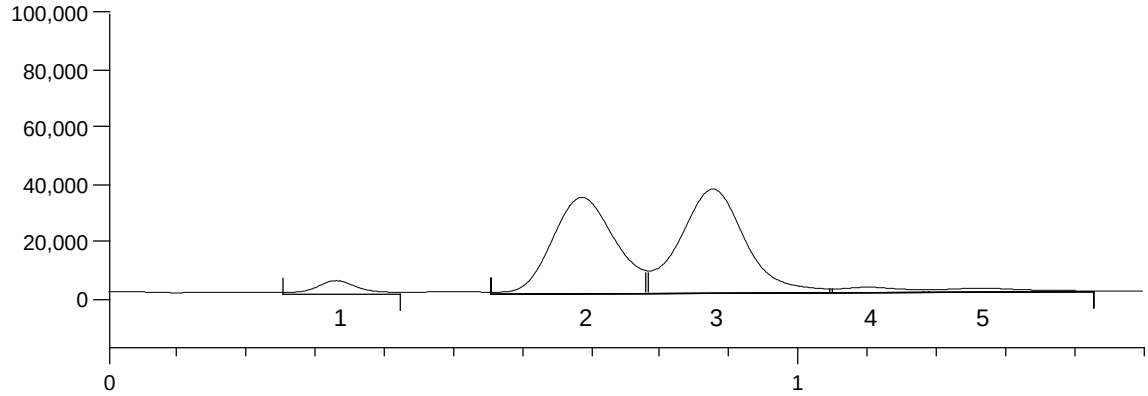
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
19		STD	SEQ-CAL2		3	182,063	0.885		88.5	80-120	accept
Notes											



Date: 3/6/14
Time: 11:26 AM

Peak	rt	Area
1	0.34	56,870
2	0.72	440,566
3	0.91	406,487

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
20		STD	SEQ-CAL3		3	406,487	1.98		98.8	80-120	accept
Notes											



Date: 3/6/14
Time: 11:31 AM

Peak	rt	Area
1	0.33	144,772
2	0.68	2,072,169
3	0.87	2,304,095
4	1.10	83,953
5	1.26	78,802

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
21		STD	SEQ-CAL4		3	2,304,095	11.2		112	80-120	accept
Notes											

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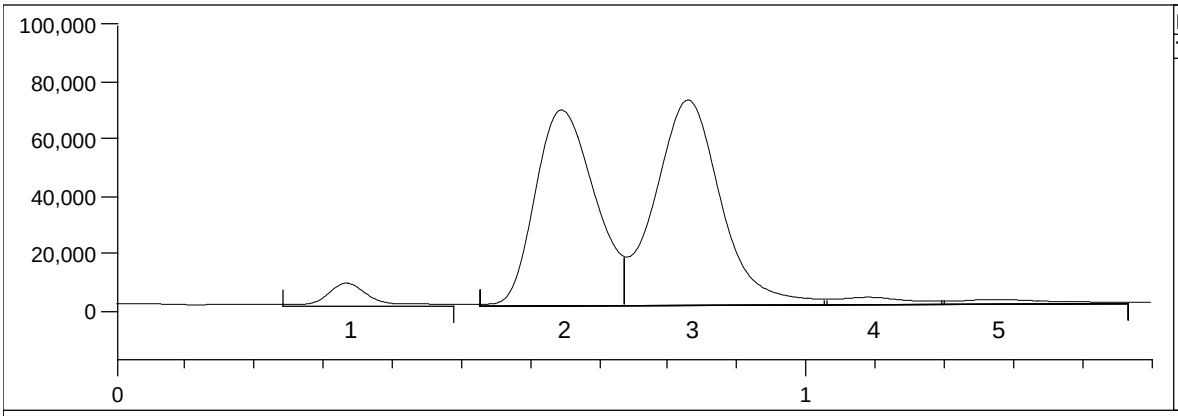
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

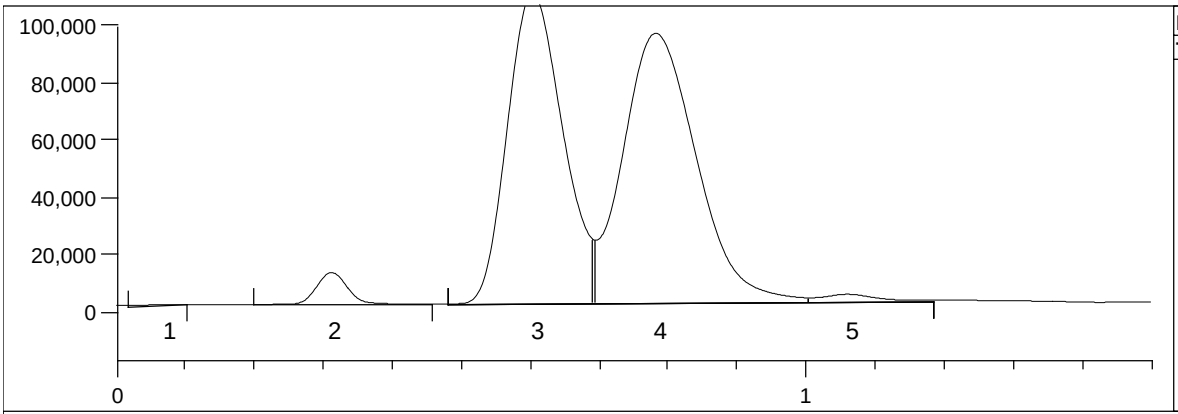
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 11:35 AM

Peak	rt	Area
1	0.33	269,896
2	0.64	4,074,046
3	0.82	4,624,045
4	1.09	133,427
5	1.27	91,538

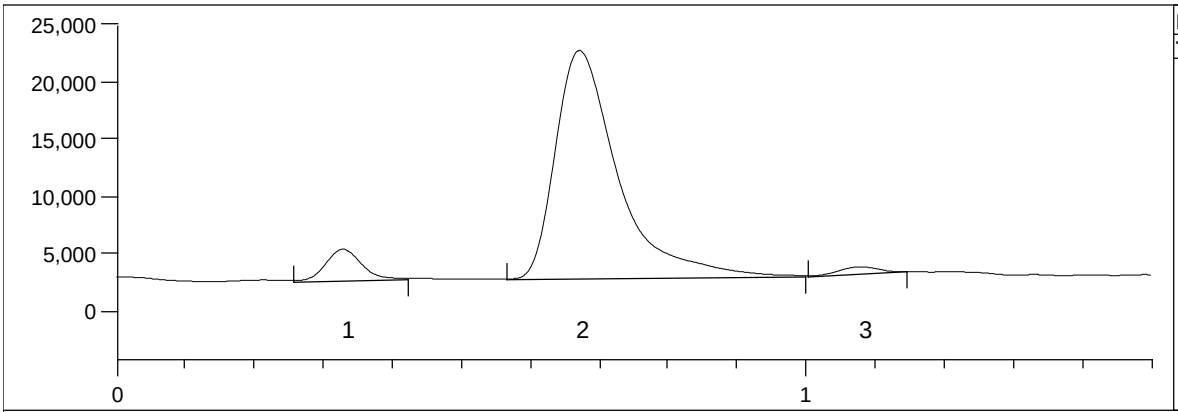
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
22		STD	SEQ-CAL5		3	4,624,045	22.5		112	80-120	accept
Notes											



Date: 3/6/14
Time: 11:40 AM

Peak	rt	Area
1	0.07	5,042
2	0.31	347,572
3	0.60	6,106,603
4	0.78	6,913,504
5	1.06	115,773

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
23		STD	SEQ-CAL6		4	6,913,504	33.6		112	80-120	accept
Notes											



Date: 3/6/14
Time: 11:45 AM

Peak	rt	Area
1	0.32	92,230
2	0.67	1,250,360
3	1.08	24,108

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24		OPR	SEQ-ICV			0	0.00		0.00	70-130	reject
Notes											

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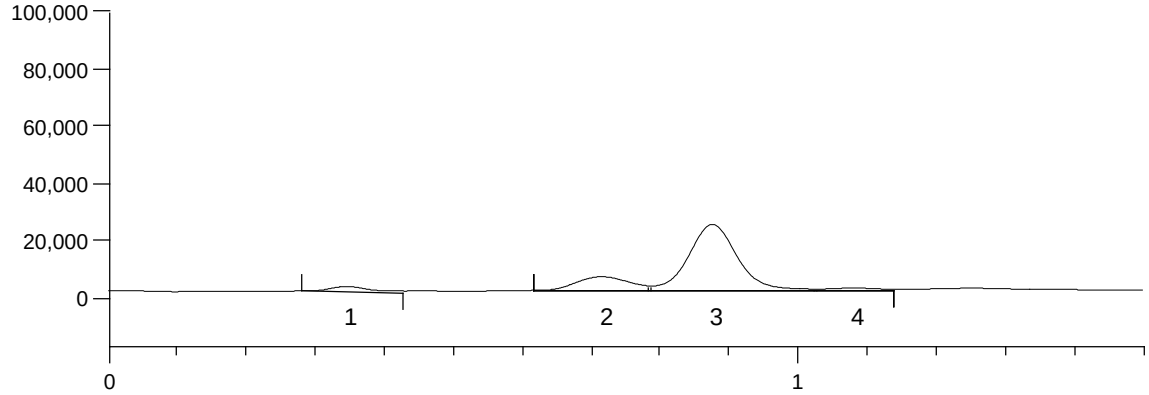
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

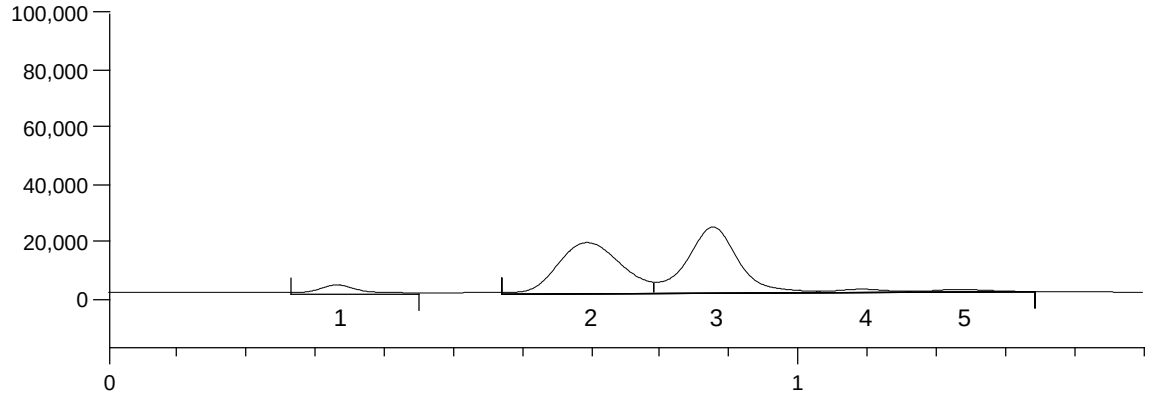
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 11:49 AM

Peak	rt	Area
1	0.34	50,936
2	0.71	248,893
3	0.87	1,096,205
4	1.08	18,219

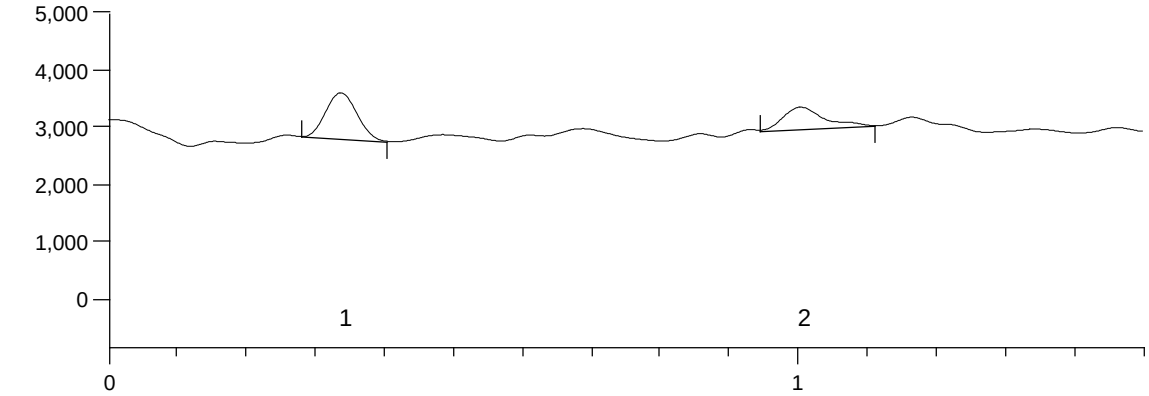
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
25		OPR	SEQ-ICV		3	1,096,205	5.33		107	70-130	accept
Notes											



Date: 3/6/14
Time: 11:54 AM

Peak	rt	Area
1	0.33	93,031
2	0.69	1,095,938
3	0.87	1,140,806
4	1.09	40,852
5	1.23	40,867

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
26		OPR	SEQ-CCV		3	1,140,806	5.55		111	70-130	accept
Notes											



Date: 3/6/14
Time: 11:59 AM

Peak	rt	Area
1	0.33	25,080
2	1.00	15,157

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
27		CCB	SEQ-CCB		2	15,157	0.0737		0.0737	< 0.4	accept
Notes											

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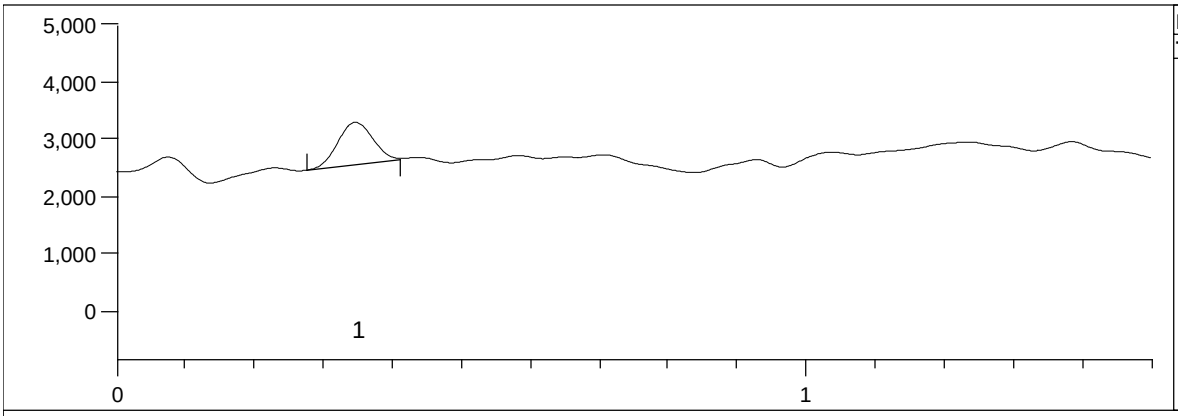
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

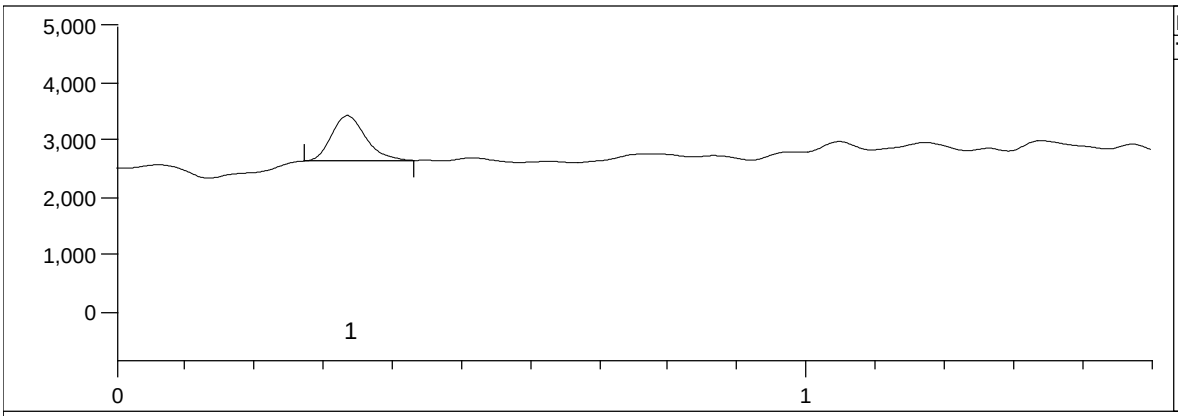
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 12:47 PM

Peak	rt	Area
1	0.34	25,695

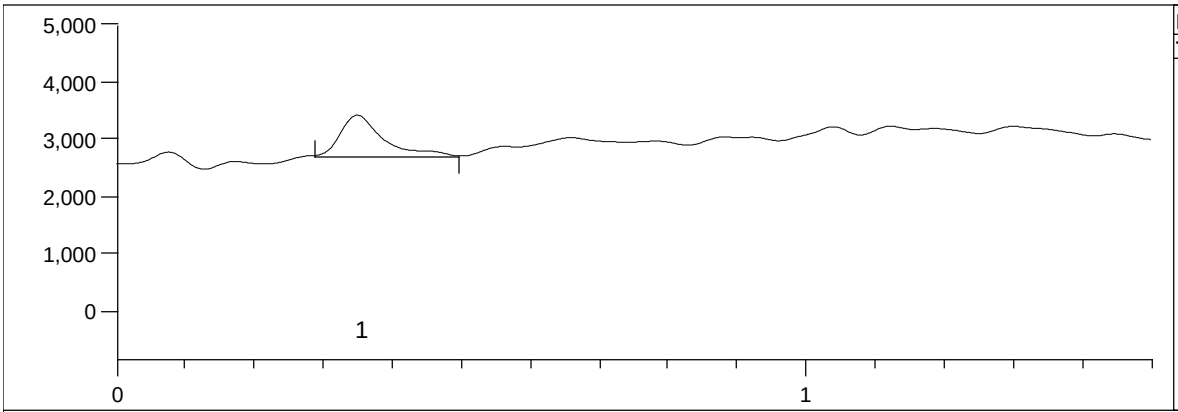
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
28		S	B140303-BLK1			0	0.00	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 12:52 PM

Peak	rt	Area
1	0.33	26,946

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29		S	B140303-BLK2			0	0.00	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 12:56 PM

Peak	rt	Area
1	0.34	29,278

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
30		S	B140303-BLK3			0	0.00	0.00		< HS	accept
Notes											

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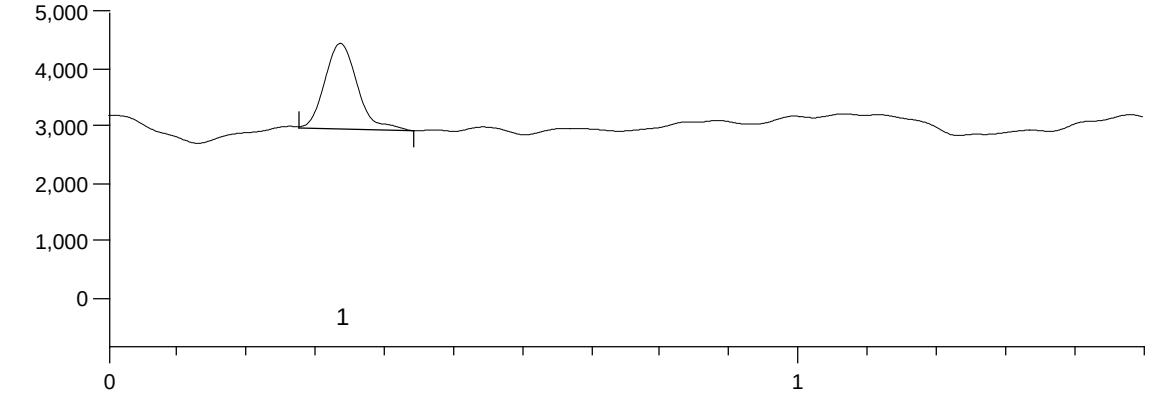
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

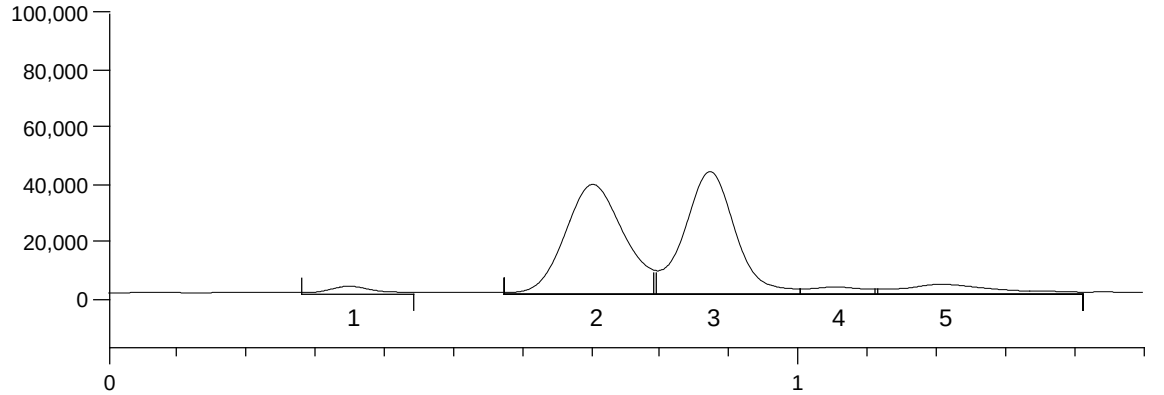
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 1:01 PM

Peak	rt	Area
1	0.33	47,889

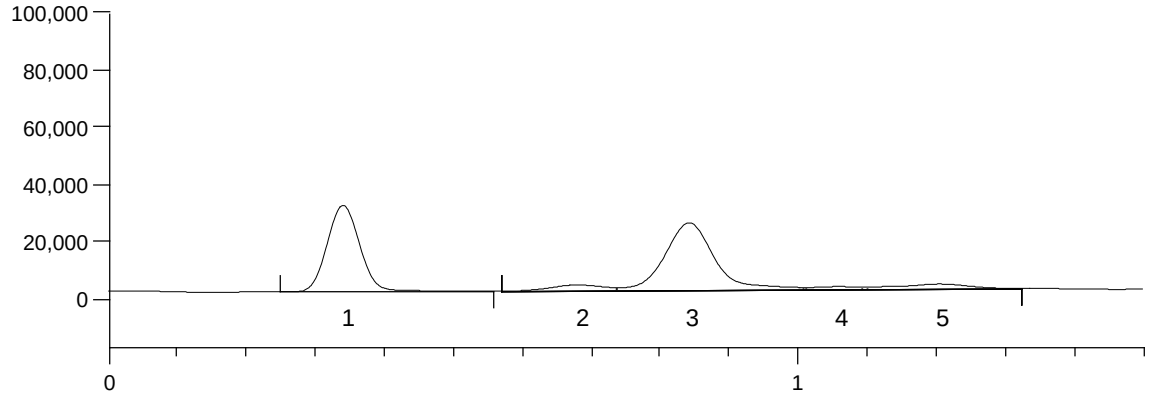
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31		S	B140303-BLK4			0	0.00	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 1:05 PM

Peak	rt	Area
1	0.34	77,329
2	0.70	2,215,403
3	0.87	2,110,988
4	1.05	93,975
5	1.20	216,812

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
32		S	B140303-BS1		3	2,110,988	10.3	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 1:10 PM

Peak	rt	Area
1	0.34	991,804
2	0.68	108,092
3	0.84	1,183,244
4	1.06	45,251
5	1.20	122,173

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
33		S	B140303-SRM1		3	1,183,244	5.75	0.00		< HS	accept
Notes											

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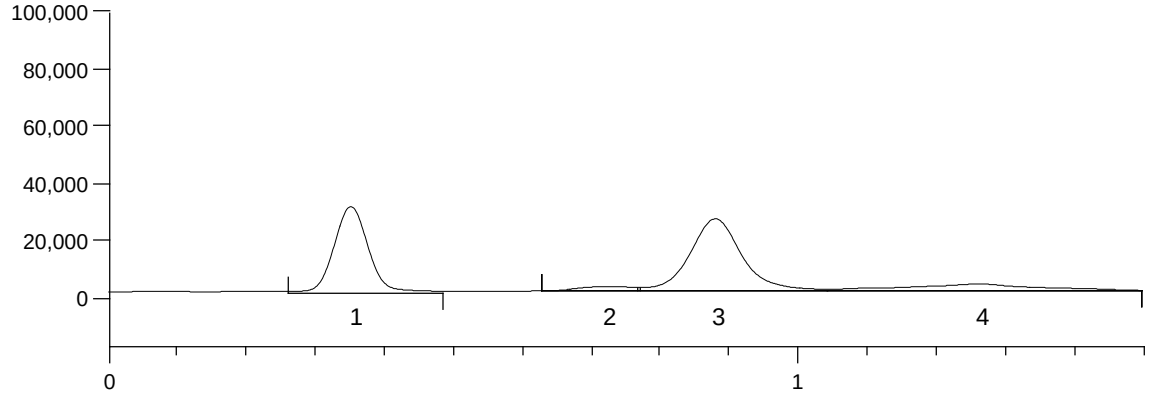
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

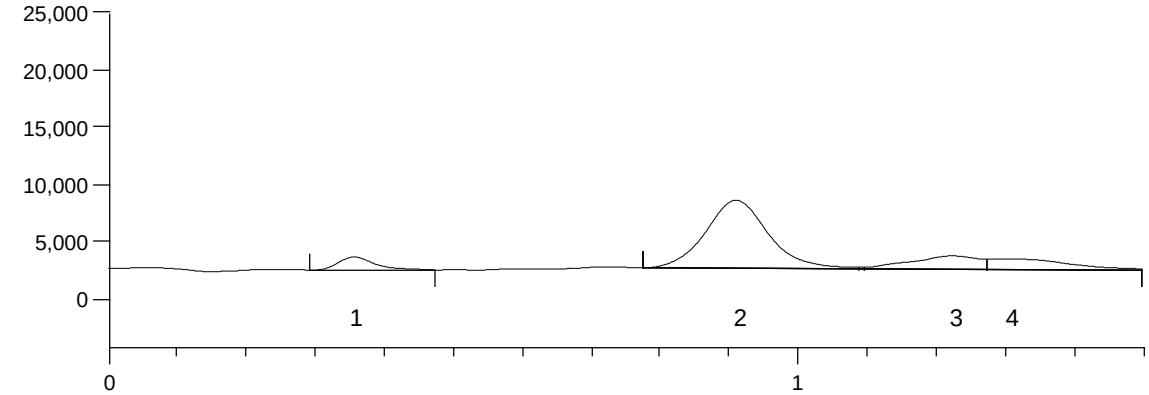
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 1:14 PM

Peak	rt	Area
1	0.35	986,246
2	0.72	82,862
3	0.88	1,321,990
4	1.26	300,941

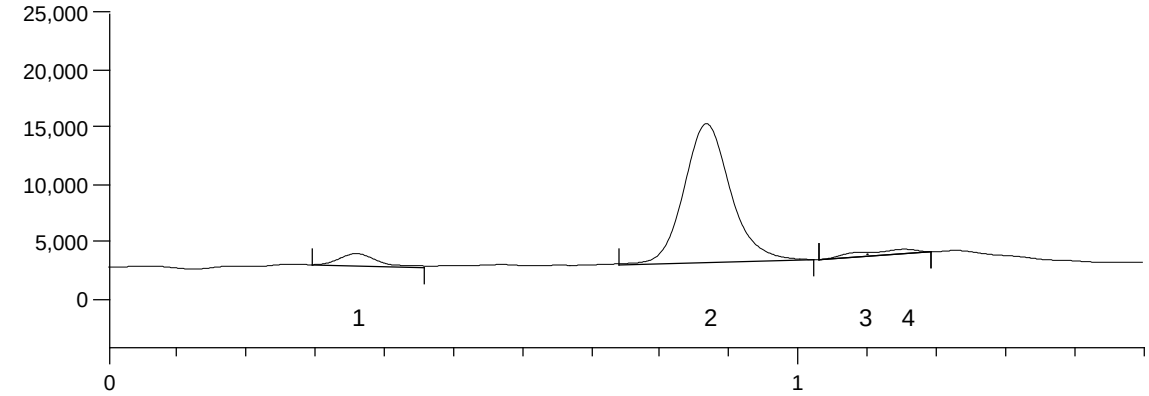
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
34		S	B140303-SRM2		3	1,321,990	6.43	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 1:19 PM

Peak	rt	Area
1	0.35	43,303
2	0.91	371,876
3	1.22	74,490
4	1.30	59,437

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
35		S	1408020-01		2	371,876	1.81	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 1:24 PM

Peak	rt	Area
1	0.36	34,434
2	0.86	561,934
3	1.09	10,340
4	1.15	15,592

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
36		S	B140303-DUP1		2	561,934	2.73	0.00		< HS	accept
Notes											

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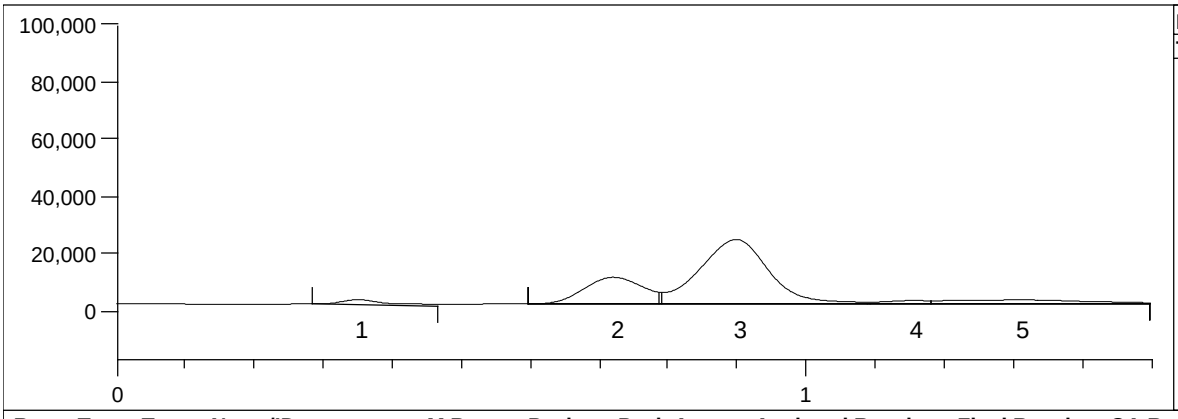
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

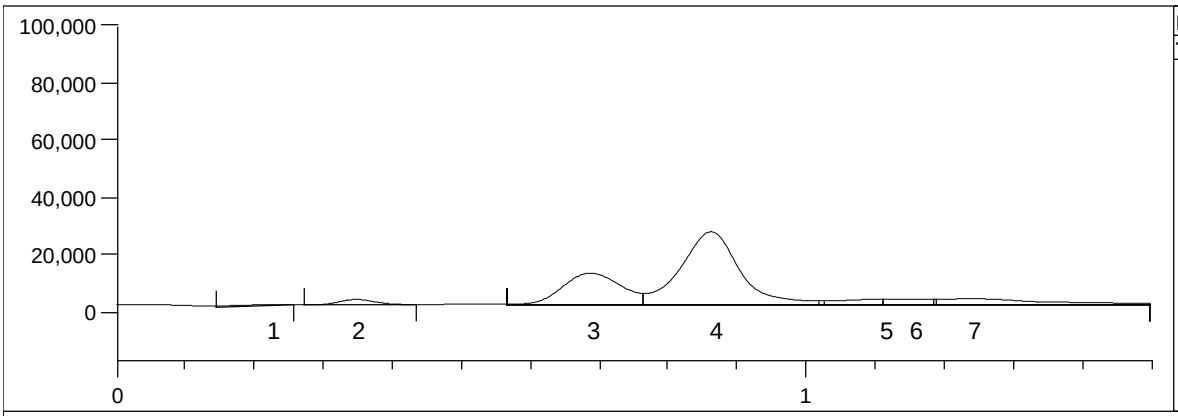
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 1:29 PM

Peak	rt	Area
1	0.35	50,860
2	0.72	554,960
3	0.90	1,542,698
4	1.15	39,984
5	1.31	136,882

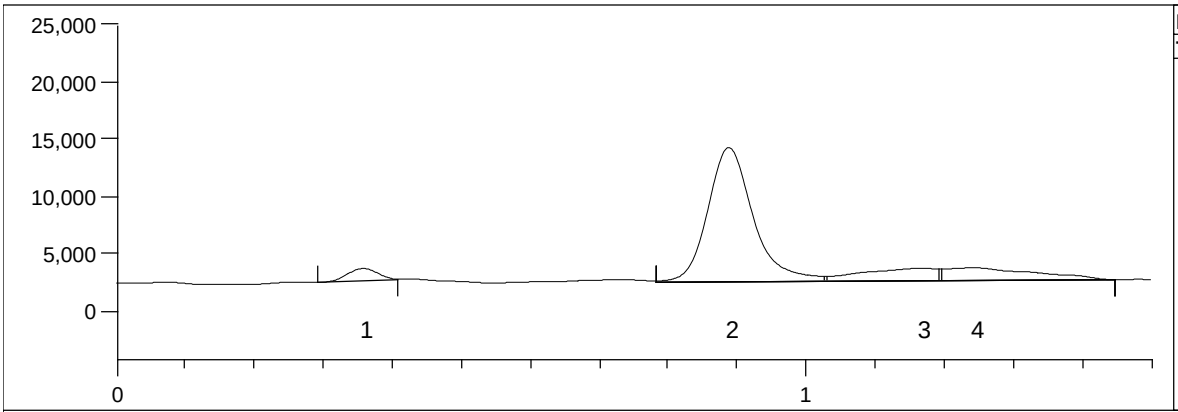
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
37		S	B140303-MS1		3	1,542,698	7.50	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 1:34 PM

Peak	rt	Area
1	0.22	7,355
2	0.34	68,401
3	0.68	634,110
4	0.86	1,470,593
5	1.11	67,770
6	1.15	66,254
7	1.23	138,174

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
38		S	B140303-MSD1		4	1,470,593	7.15	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 1:38 PM

Peak	rt	Area
1	0.35	32,640
2	0.88	526,450
3	1.16	78,292
4	1.24	96,321

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
39		S	1408020-01RE1		2	526,450	2.56	0.00		< HS	accept
Notes											

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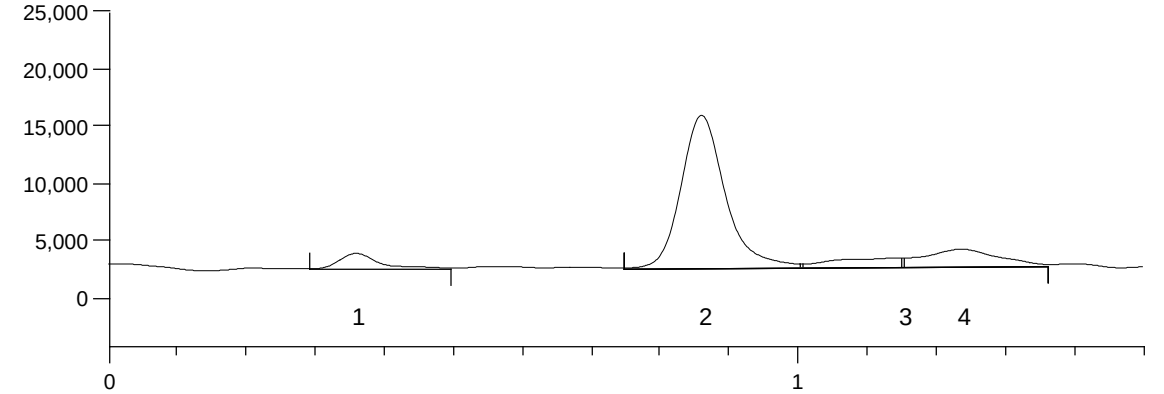
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

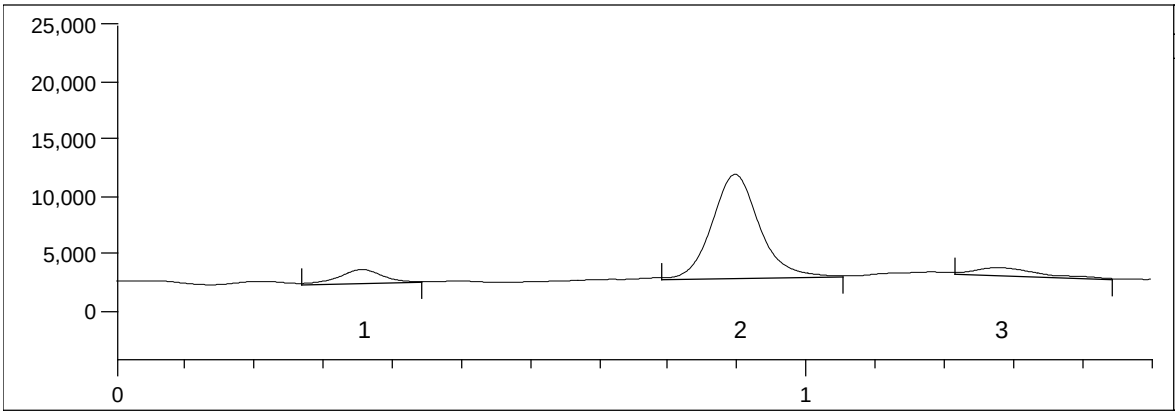
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 1:43 PM

Peak	rt	Area
1	0.36	51,724
2	0.86	587,777
3	1.15	48,587
4	1.23	97,664

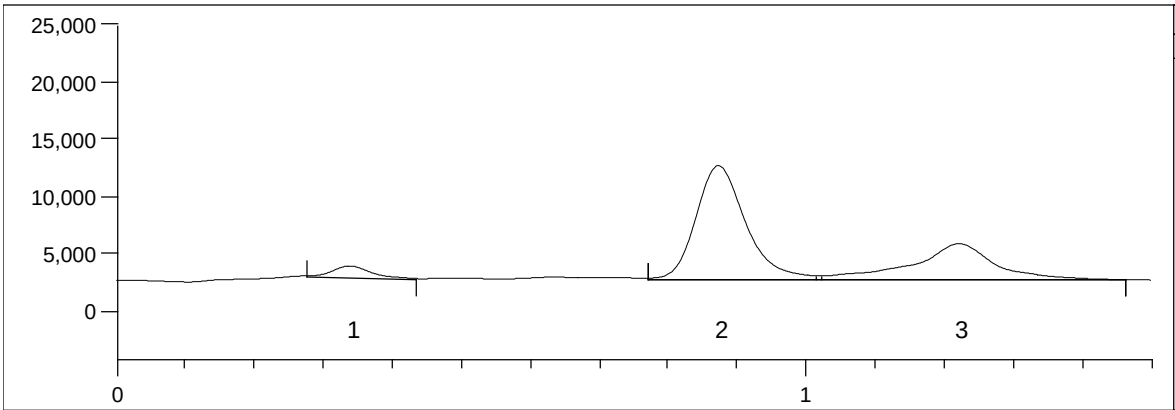
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
40		S	1408020-02		2	587,777	2.86	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 1:48 PM

Peak	rt	Area
1	0.35	46,082
2	0.89	420,191
3	1.27	31,443

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
41		S	1408020-03		2	420,191	2.04	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 1:53 PM

Peak	rt	Area
1	0.34	33,886
2	0.87	488,261
3	1.22	251,824

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
42		S	B140303-DUP4		2	488,261	2.37	0.00		< HS	accept
Notes											

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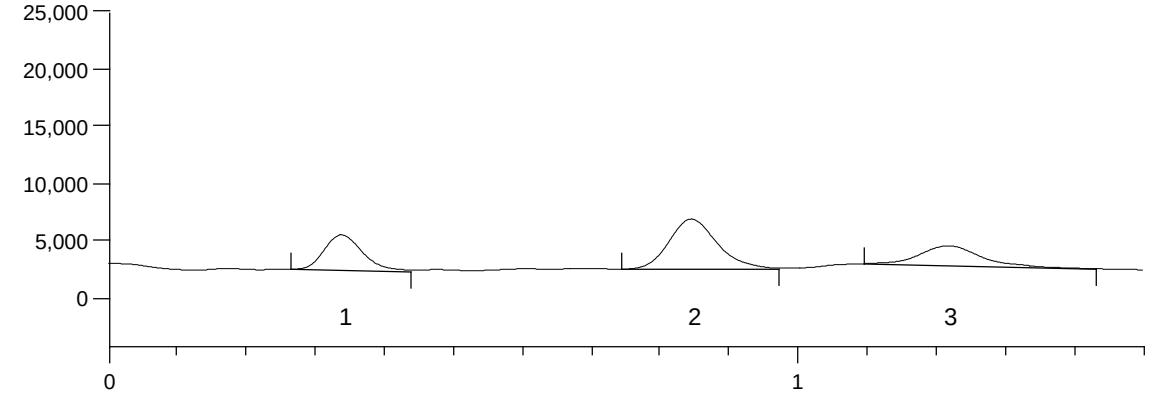
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

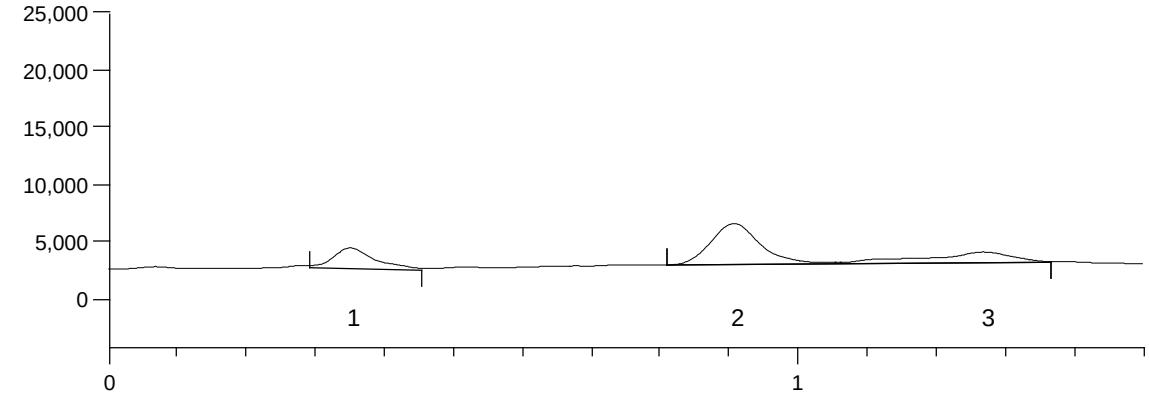
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 1:59 PM

Peak	rt	Area
1	0.33	113,175
2	0.84	209,709
3	1.21	105,595

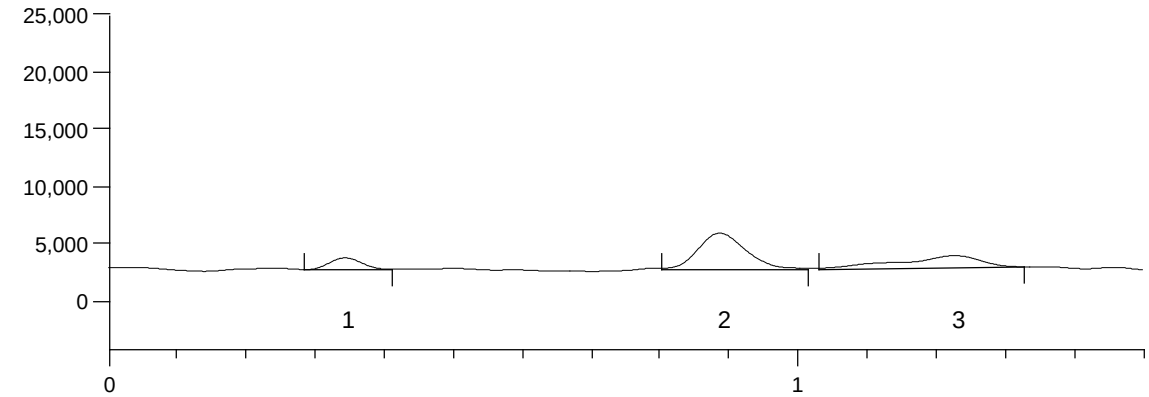
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
43		S	1408020-04		2	209,709	1.02	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 2:04 PM

Peak	rt	Area
1	0.35	60,173
2	0.90	180,330
3	1.26	79,422

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
44		S	1408020-05		2	180,330	0.877	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 2:09 PM

Peak	rt	Area
1	0.34	31,888
2	0.88	141,356
3	1.22	79,006

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
45		S	1408020-06		2	141,356	0.687	0.00		< HS	accept
Notes											

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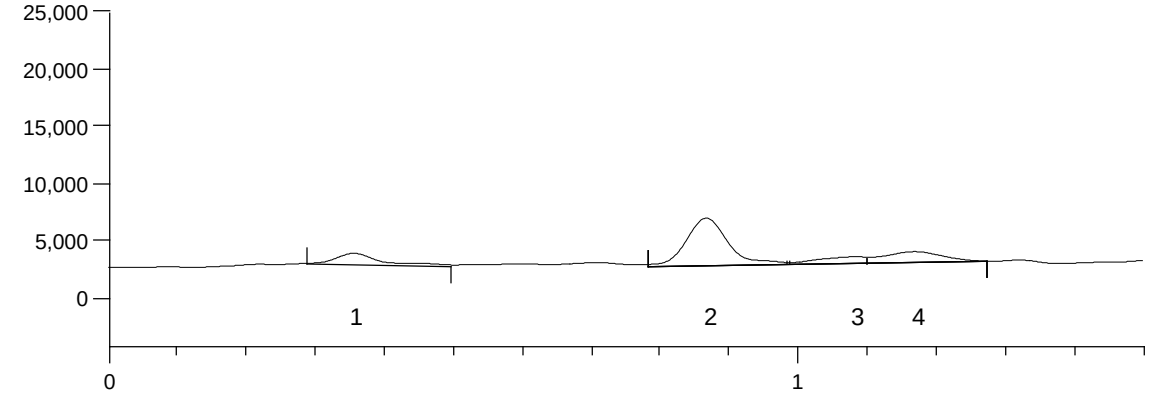
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

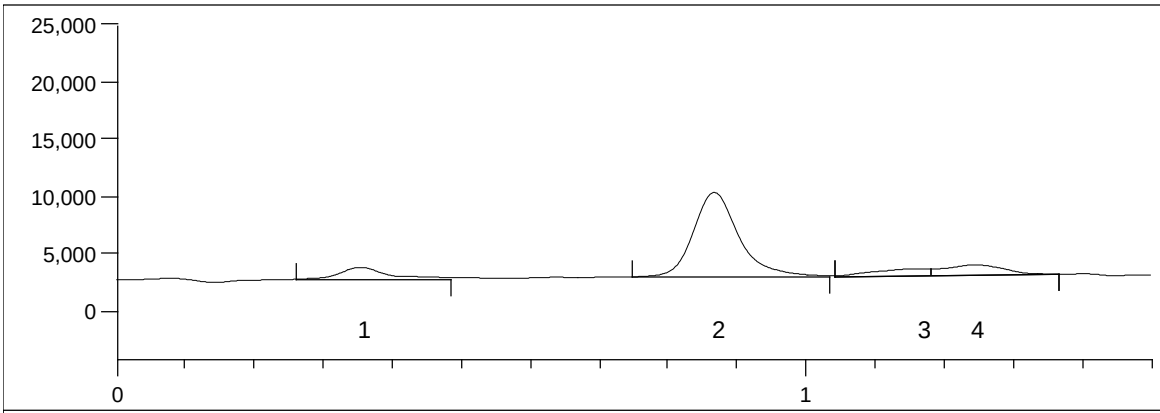
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 2:13 PM

Peak	rt	Area
1	0.35	35,424
2	0.86	158,985
3	1.08	23,918
4	1.16	52,767

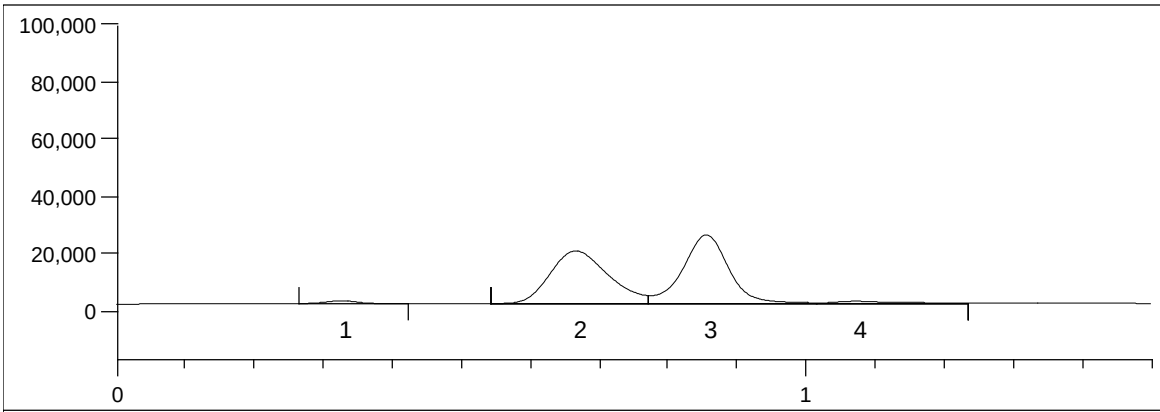
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
46		S	1408020-07		2	158,985	0.773	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 2:18 PM

Peak	rt	Area
1	0.35	40,634
2	0.86	334,651
3	1.16	31,397
4	1.24	51,119

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
47		S	1408020-08		2	334,651	1.63	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 2:22 PM

Peak	rt	Area
1	0.32	28,440
2	0.66	1,084,386
3	0.85	1,093,082
4	1.07	31,827

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
48		OPR	SEQ-CCV		3	1,093,082	5.32		106	70-130	accept
Notes											

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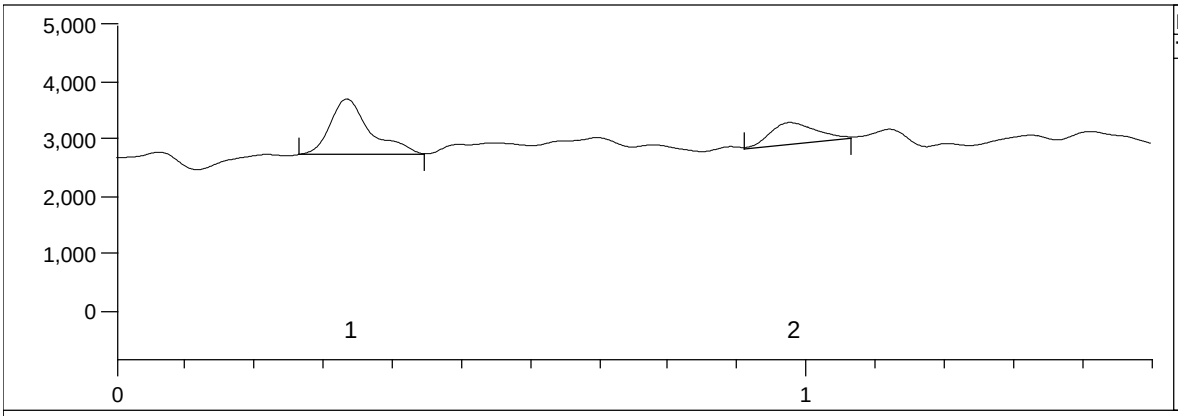
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

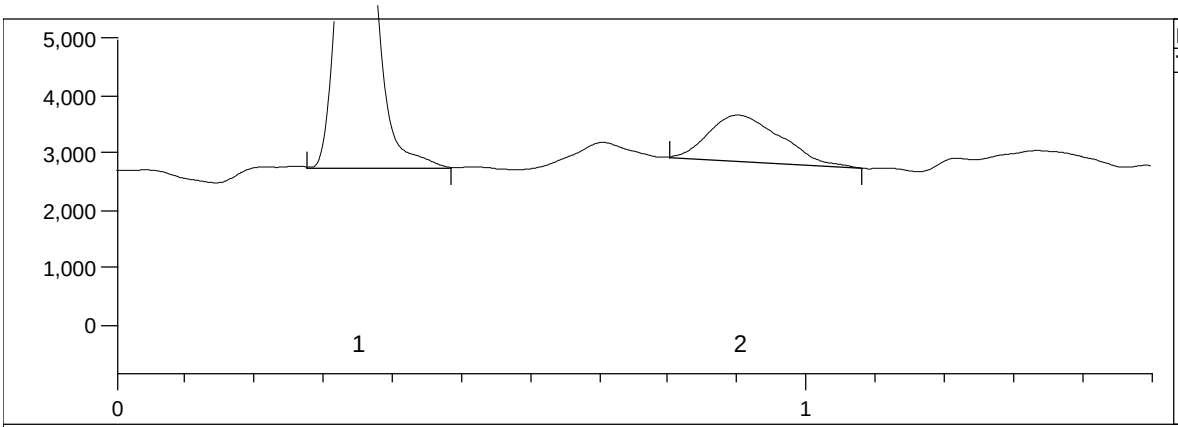
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 2:27 PM

Peak	rt	Area
1	0.33	38,363
2	0.97	15,576

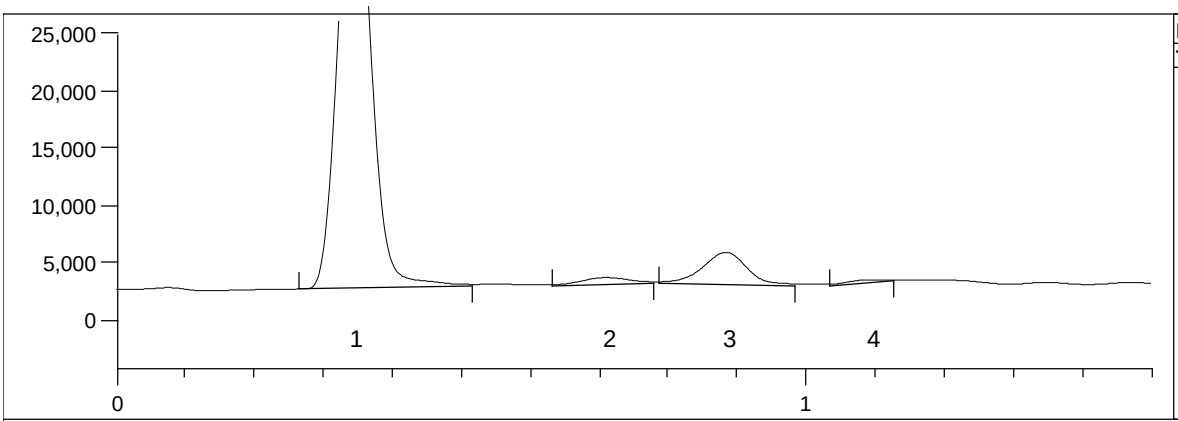
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
49		CCB	SEQ-CCB		2	15,576	0.0757		0.0757	< 0.4	accept
Notes											



Date: 3/6/14
Time: 2:31 PM

Peak	rt	Area
1	0.34	266,070
2	0.90	57,518

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
50		S	1408020-09		2	57,518	0.280	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 2:36 PM

Peak	rt	Area
1	0.34	1,302,517
2	0.71	20,433
3	0.88	109,551
4	1.09	5,949

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
51		S	1408020-10		3	109,551	0.533	0.00		< HS	accept
Notes											

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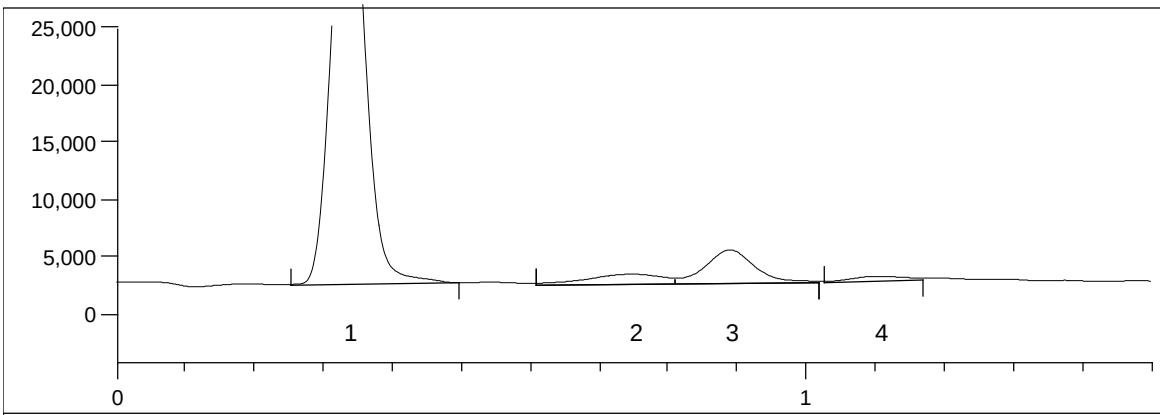
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

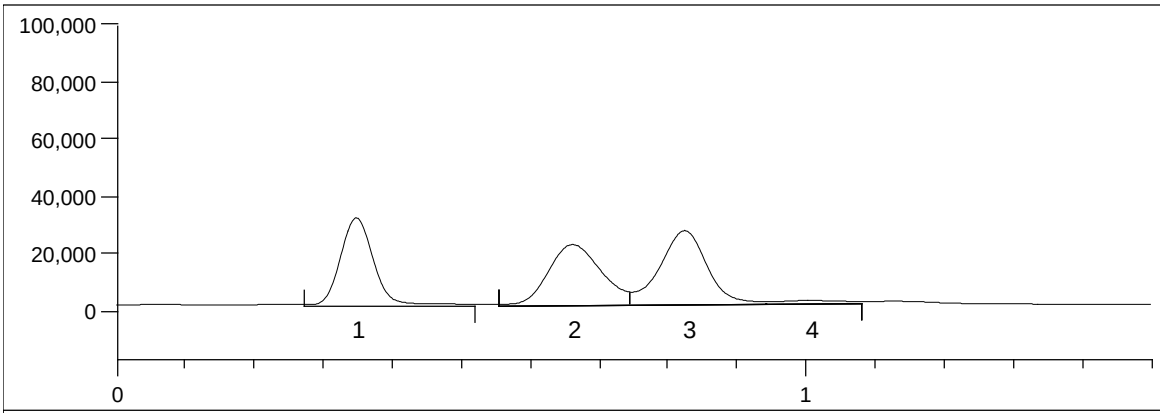
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 2:40 PM

Peak	rt	Area
1	0.33	1,337,035
2	0.74	50,994
3	0.88	132,652
4	1.10	13,048

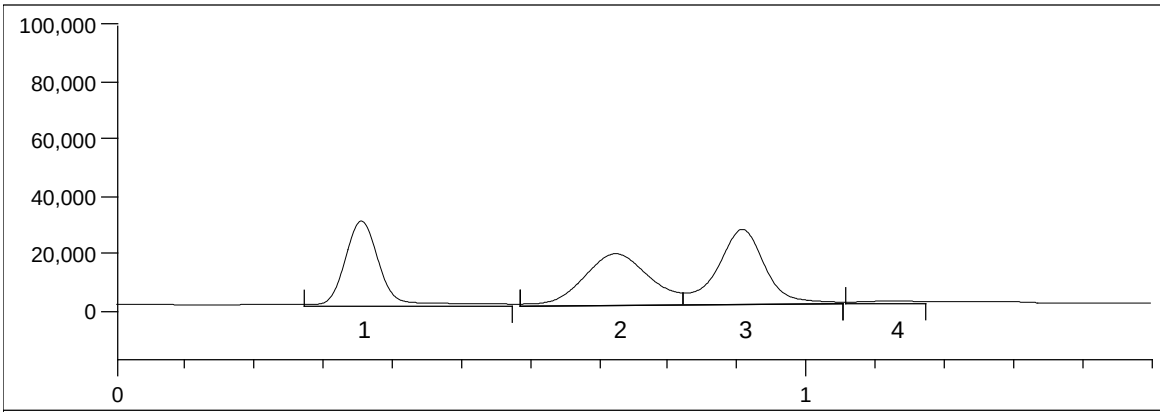
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
52		S	B140303-DUP2		3	132,652	0.645	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 2:45 PM

Peak	rt	Area
1	0.34	975,666
2	0.66	1,082,895
3	0.82	1,152,774
4	1.00	23,780

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
53		S	B140303-MS2		3	1,152,774	5.61	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 2:49 PM

Peak	rt	Area
1	0.35	959,422
2	0.72	1,113,584
3	0.90	1,177,738
4	1.12	11,338

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
54		S	B140303-MSD2		3	1,177,738	5.73	0.00		< HS	accept
Notes											

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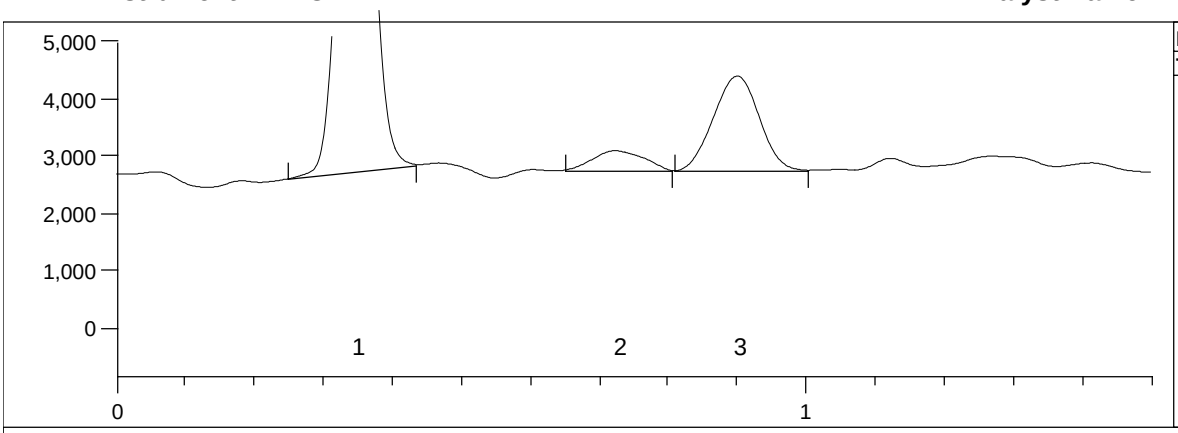
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

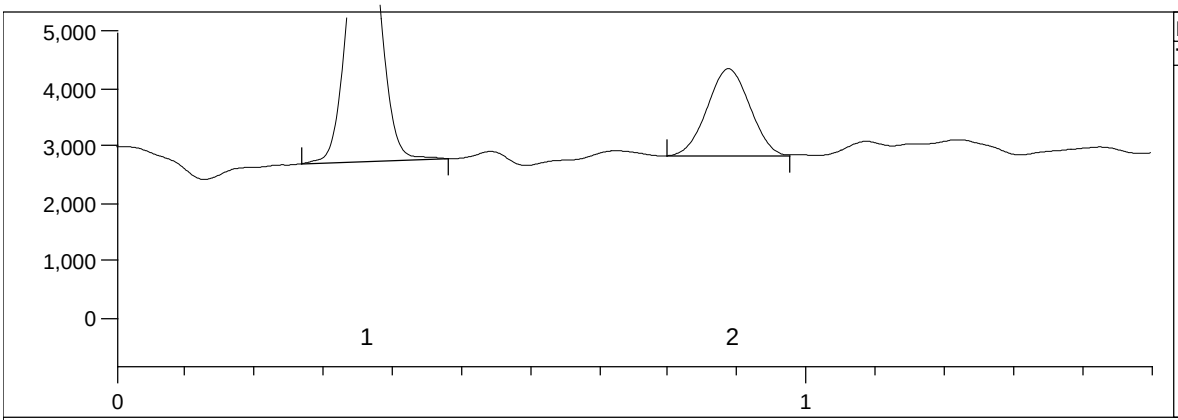
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 2:54 PM

Peak	rt	Area
1	0.34	316,627
2	0.72	17,042
3	0.90	75,915

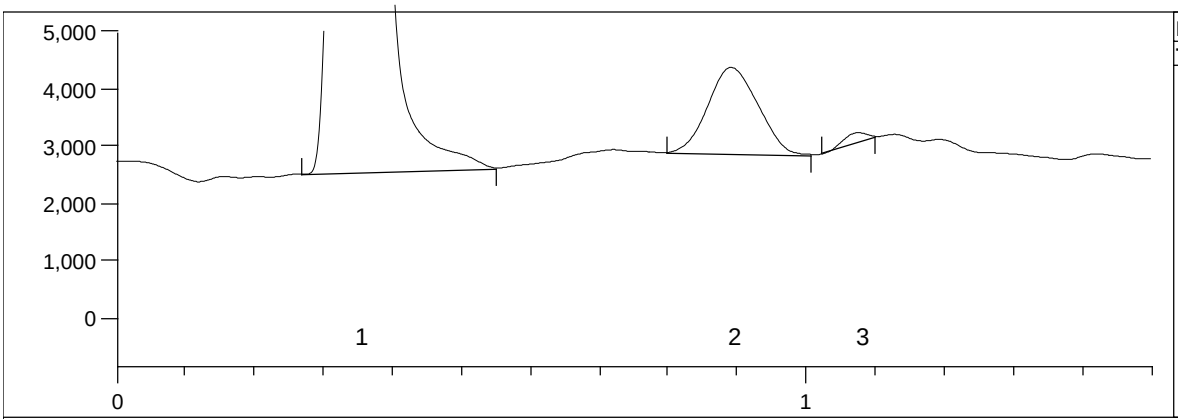
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
55		S	1408020-11		3	75,915	0.369	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 2:59 PM

Peak	rt	Area
1	0.36	161,562
2	0.88	64,430

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
56		S	1408020-12		2	64,430	0.313	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 3:03 PM

Peak	rt	Area
1	0.34	1,692,708
2	0.89	74,669
3	1.07	4,482

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
57		S	1408020-13		2	74,669	0.363	0.00		< HS	accept
Notes											

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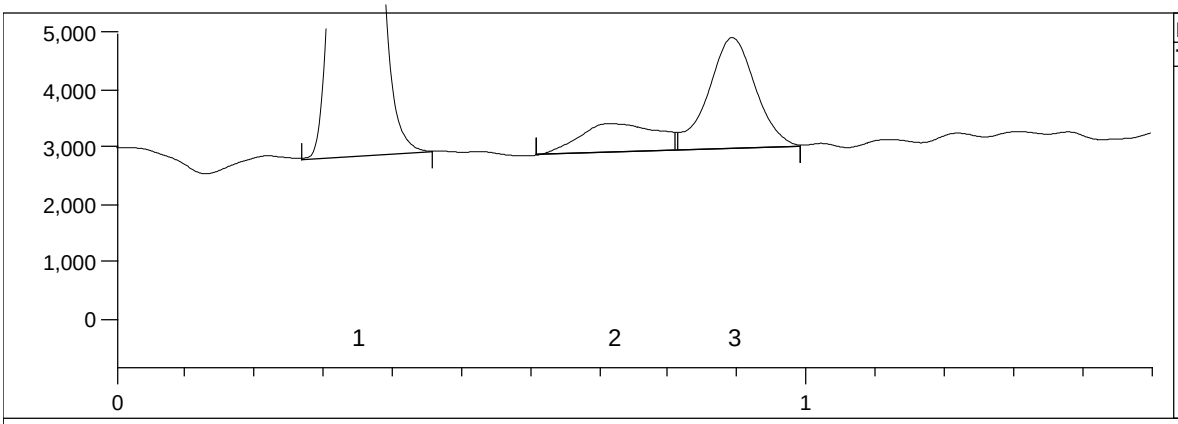
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

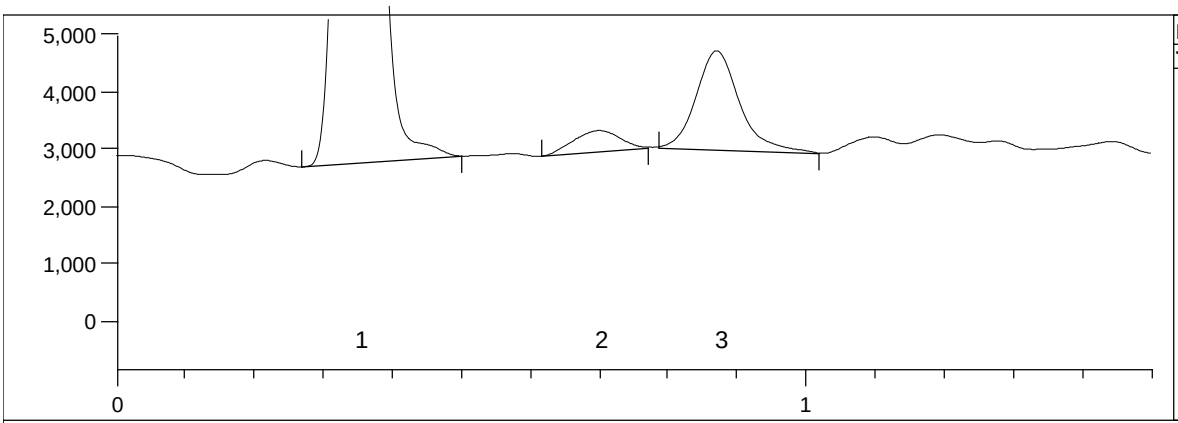
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 3:08 PM

Peak	rt	Area
1	0.34	592,905
2	0.71	39,619
3	0.89	90,537

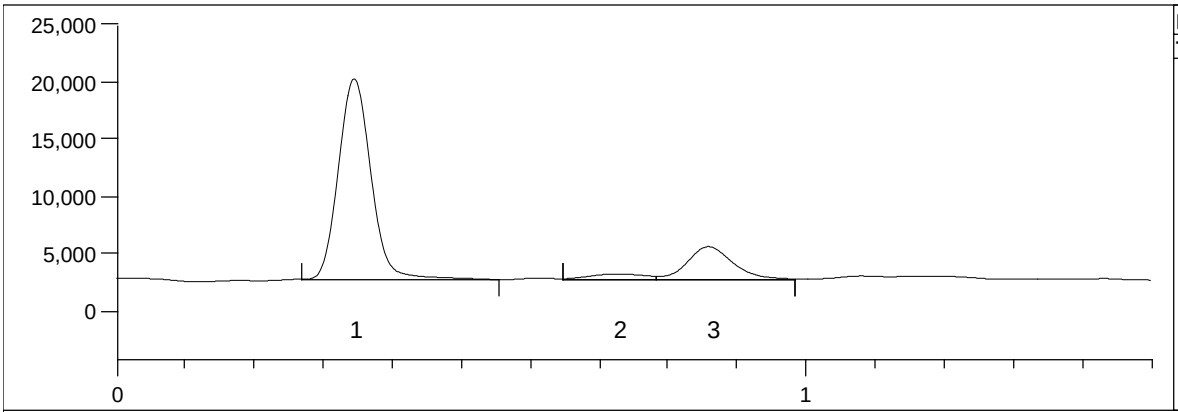
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
58		S	1408020-14		3	90,537	0.440	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 3:12 PM

Peak	rt	Area
1	0.35	790,028
2	0.70	17,122
3	0.87	73,731

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
59		S	1408020-15		3	73,731	0.359	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 3:17 PM

Peak	rt	Area
1	0.34	576,101
2	0.72	21,486
3	0.86	124,491

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
60		S	1408020-16		3	124,491	0.605	0.00		< HS	accept
Notes											

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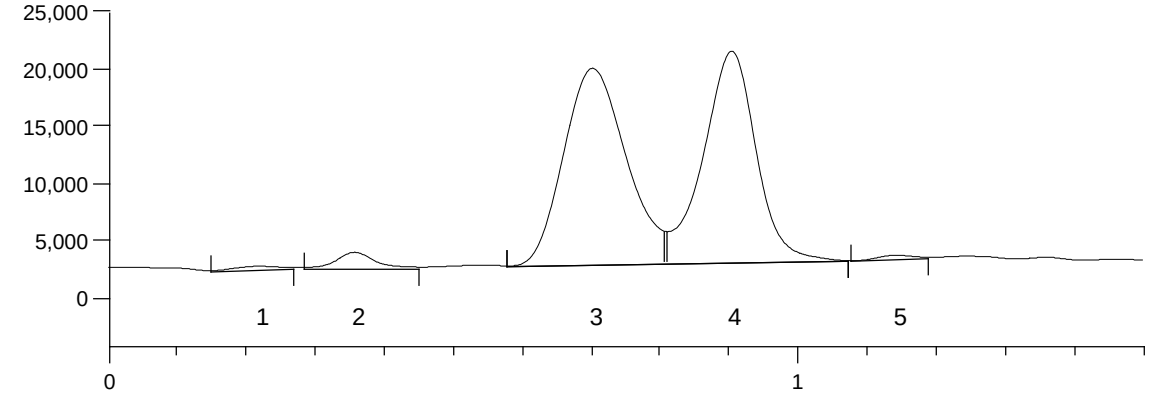
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

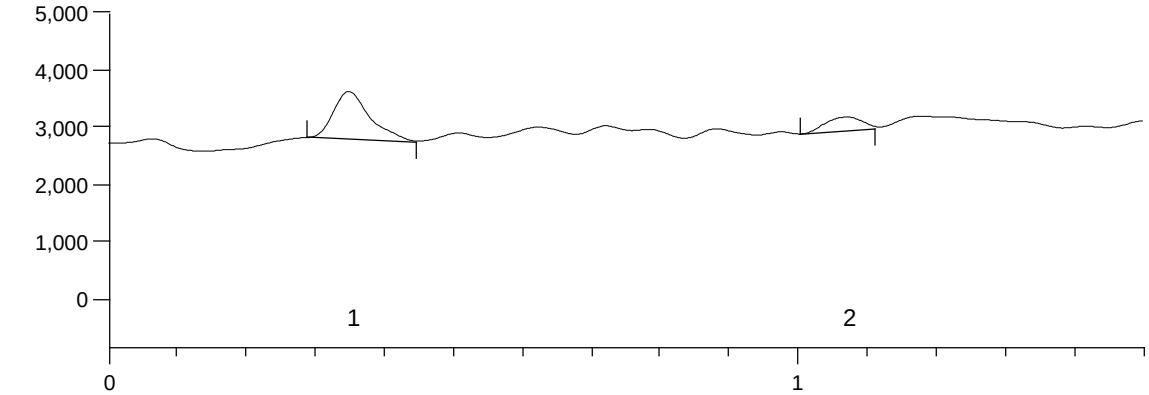
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 3:21 PM

Peak	rt	Area
1	0.22	9,258
2	0.35	44,271
3	0.70	1,089,601
4	0.90	985,652
5	1.14	10,682

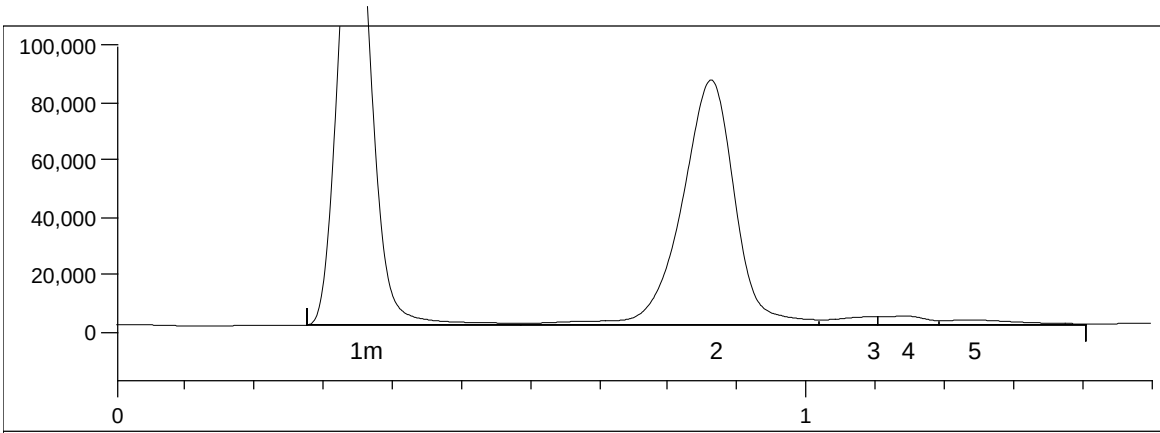
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
61		OPR	SEQ-CCV		4	985,652	4.79		95.9	70-130	accept
Notes											



Date: 3/6/14
Time: 3:25 PM

Peak	rt	Area
1	0.34	29,764
2	1.07	8,299

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
62		CCB	SEQ-CCB			0	0.00		0.00	< 0.4	accept
Notes											



Date: 3/6/14
Time: 3:30 PM

Peak	rt	Area
1m	0.34	5,451,569
2	0.86	4,500,089
3	1.09	103,612
4	1.14	116,150
5	1.23	91,140

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
63		S	1408020-17		2	4,500,089	21.9	0.00		< HS	accept
Notes											

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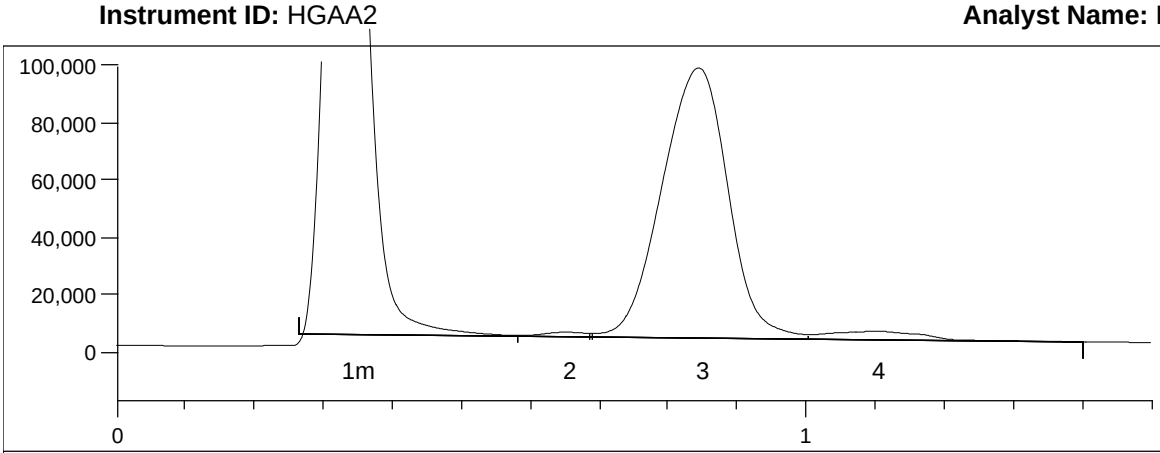
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

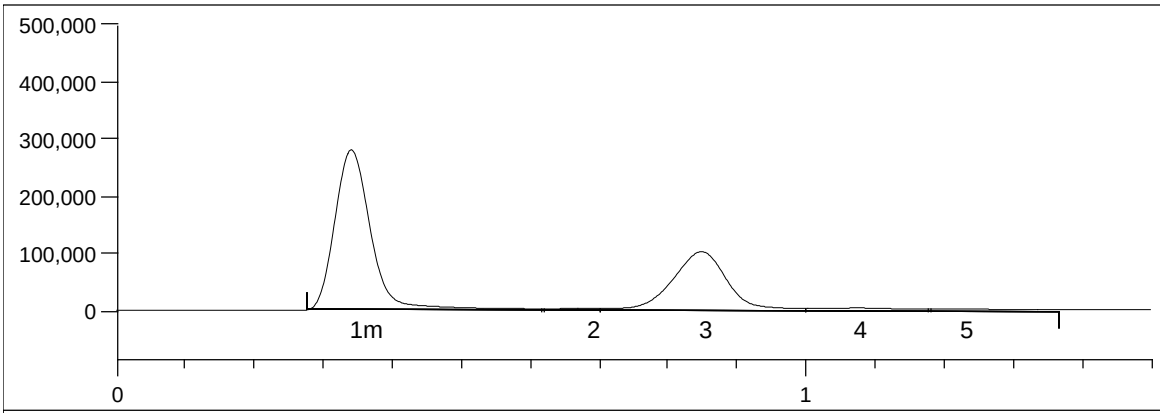
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 3:34 PM

Peak	rt	Area
1m	0.33	10,926,950
2	0.65	63,833
3	0.84	6,299,231
4	1.10	280,253

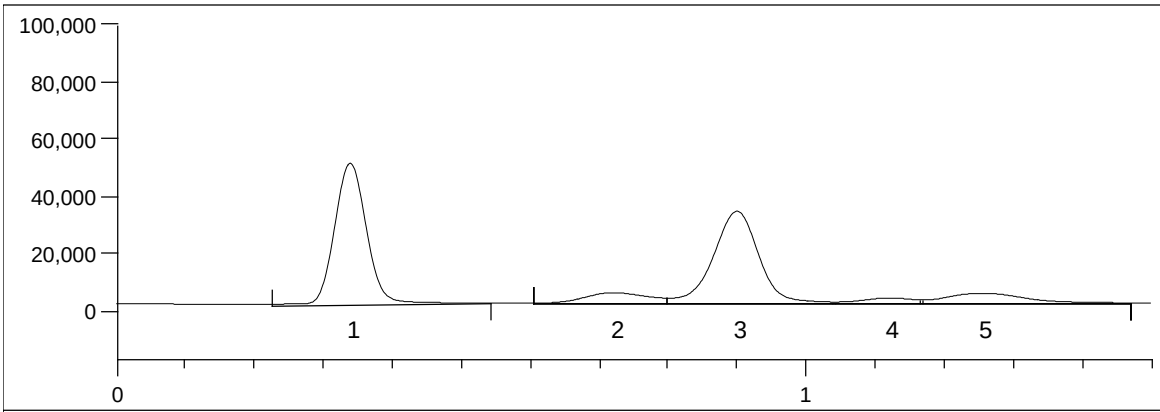
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
64		S	1408020-18		3	6,299,231	30.6	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 3:39 PM

Peak	rt	Area
1m	0.34	9,807,276
2	0.68	39,899
3	0.84	5,335,545
4	1.07	184,591
5	1.22	47,493

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
65		S	1408020-19		3	5,335,545	25.9	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 3:44 PM

Peak	rt	Area
1	0.34	1,561,686
2	0.72	229,864
3	0.90	1,462,199
4	1.12	90,606
5	1.25	261,490

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
66		S	1408020-20		3	1,462,199	7.11	0.00		< HS	accept
Notes											

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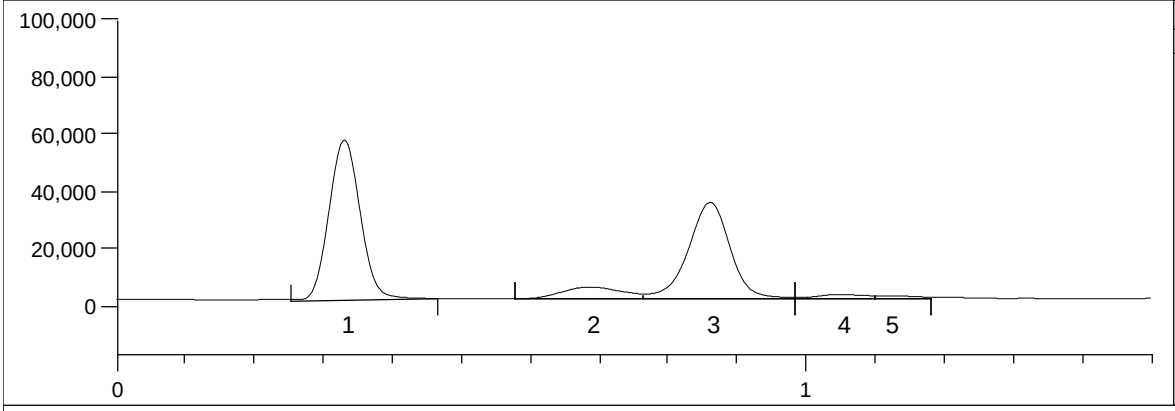
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

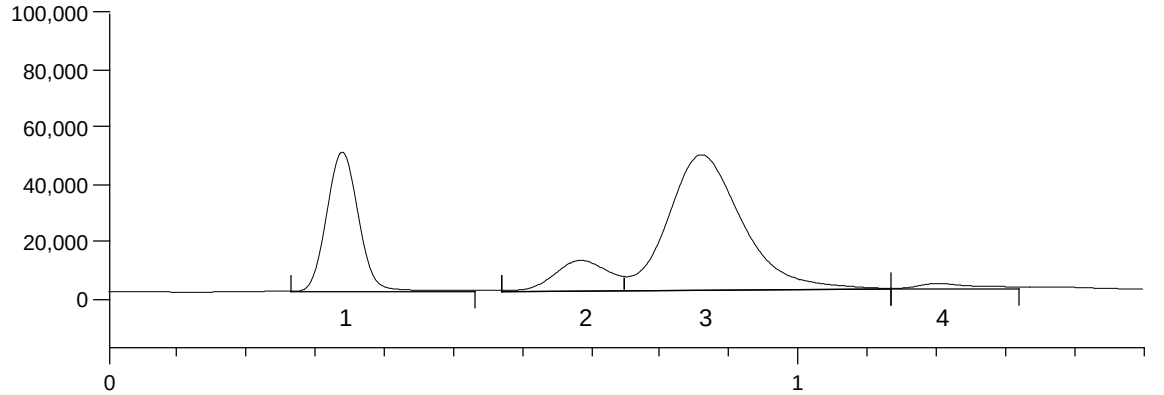
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 3:48 PM

Peak	rt	Area
1	0.33	1,739,511
2	0.68	238,551
3	0.86	1,387,101
4	1.04	44,574
5	1.12	16,062

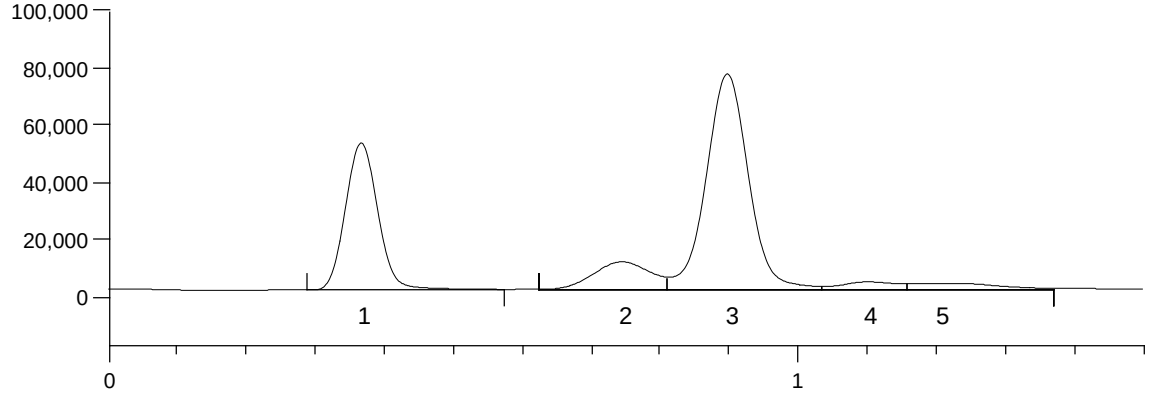
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
67		S	B140303-DUP3		3	1,387,101	6.75	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 3:53 PM

Peak	rt	Area
1	0.34	1,546,453
2	0.68	561,478
3	0.86	3,479,583
4	1.20	68,398

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
68		S	B140303-MS3		3	3,479,583	16.9	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 3:58 PM

Peak	rt	Area
1	0.36	1,680,269
2	0.74	546,728
3	0.89	3,186,257
4	1.10	131,572
5	1.20	138,549

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
69		S	B140303-MSD3		3	3,186,257	15.5	0.00		< HS	accept
Notes											

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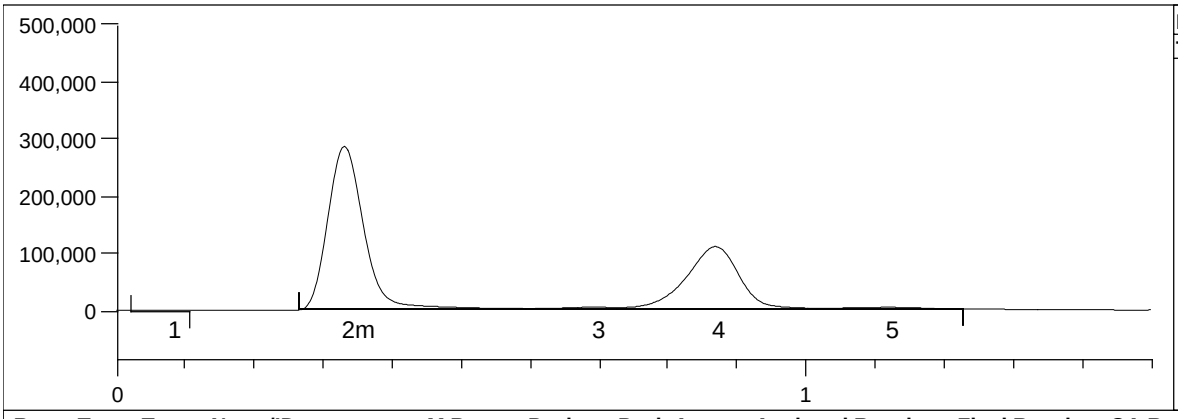
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

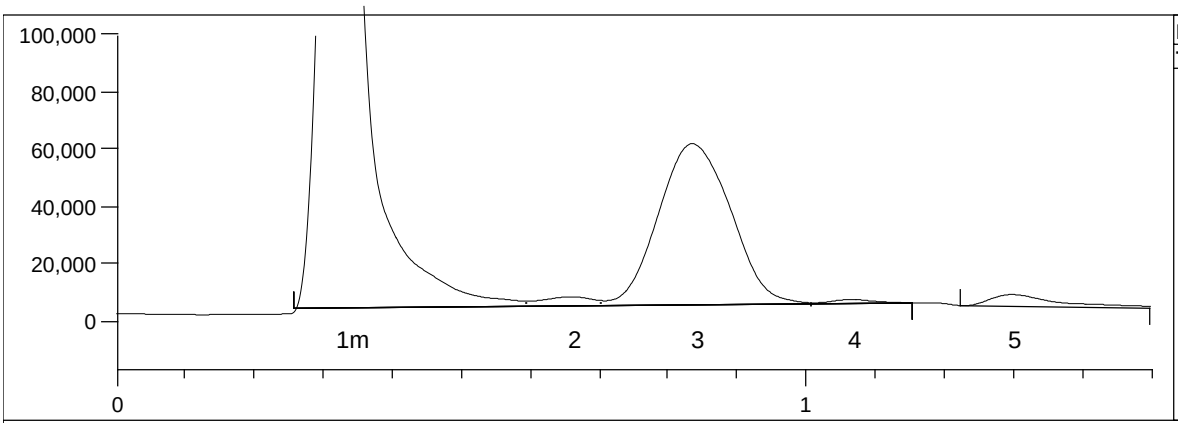
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 4:02 PM

Peak	rt	Area
1	0.08	4,573
2m	0.33	10,263,330
3	0.69	167,367
4	0.86	5,892,220
5	1.12	247,720

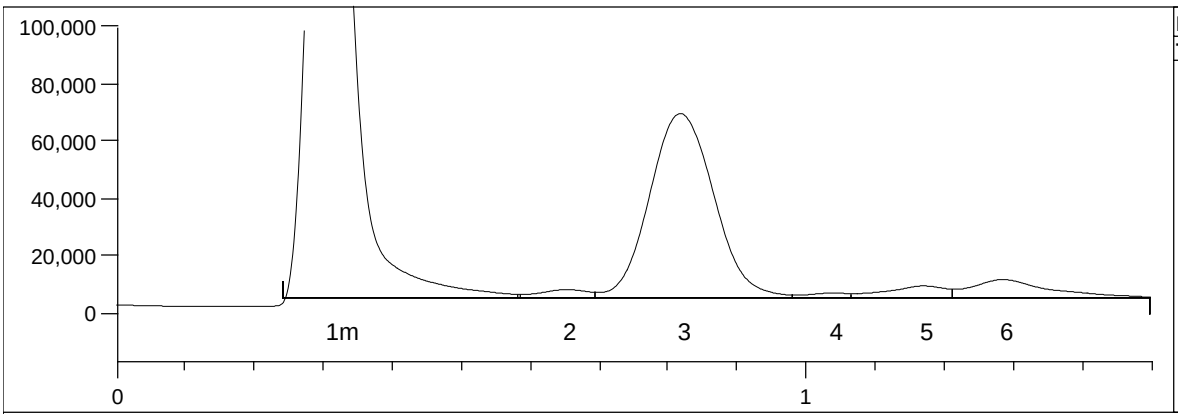
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
70		S	1408020-21		4	5,892,220	28.7	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 4:07 PM

Peak	rt	Area
1m	0.32	12,008,509
2	0.66	138,973
3	0.83	4,074,654
4	1.06	55,913
5	1.30	237,524

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
71		S	1408020-22		3	4,074,654	19.8	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 4:12 PM

Peak	rt	Area
1m	0.30	11,346,260
2	0.65	125,067
3	0.81	4,144,161
4	1.04	59,382
5	1.17	236,644
6	1.28	469,580

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
72		S	1408020-23		3	4,144,161	20.2	0.00		< HS	accept
Notes											

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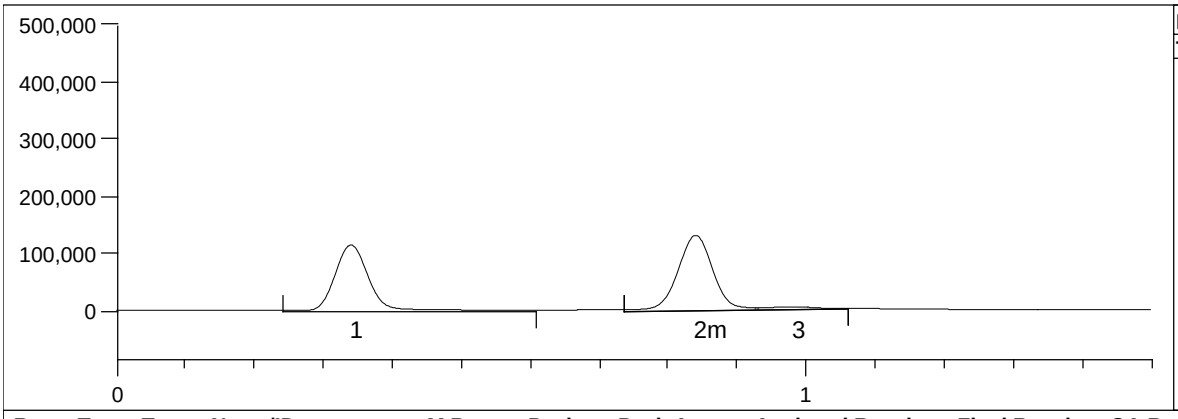
Peak Report

Batch Number: B140303
Method Number: BR-0021

Project Number(s): 1400182
Instrument ID: HGAA2

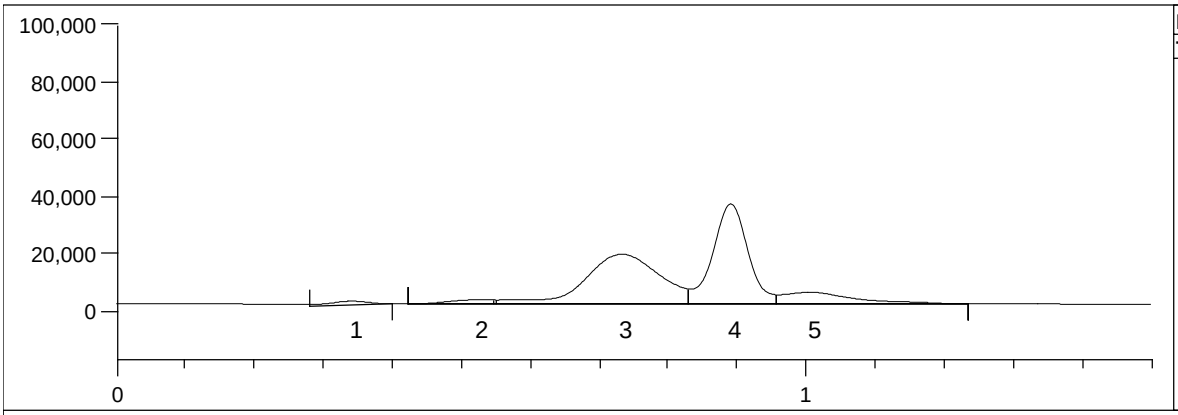
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 4:17 PM

Peak	rt	Area
1	0.34	3,774,703
2m	0.84	4,442,004
3	0.98	168,895

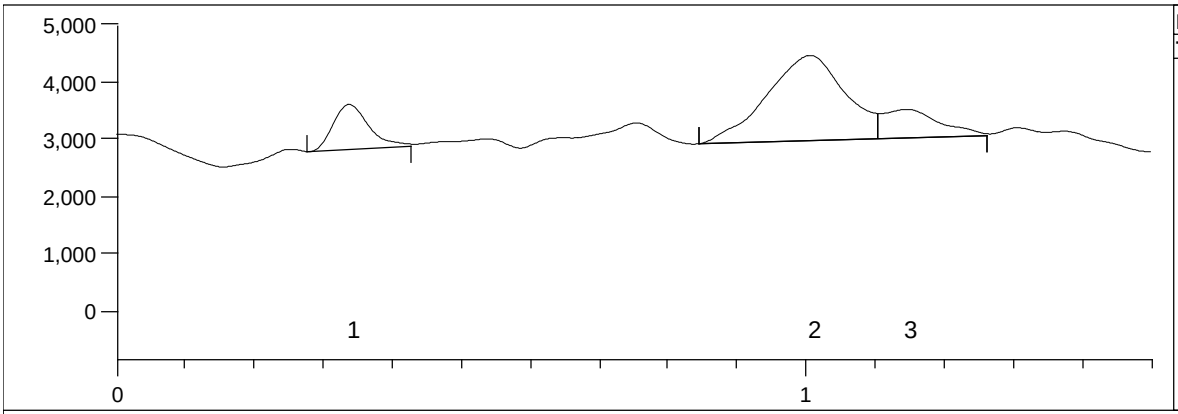
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
73		S	1408020-24		2m	4,442,004	21.6	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 4:21 PM

Peak	rt	Area
1	0.34	32,533
2	0.52	61,561
3	0.73	1,313,170
4	0.89	1,238,941
5	1.00	290,262

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
74		OPR	SEQ-CCV		4	1,238,941	6.02		120.	70-130	accept
Notes											



Date: 3/6/14
Time: 4:31 PM

Peak	rt	Area
1	0.33	27,234
2	1.00	117,492
3	1.14	25,552

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
75		CCB	SEQ-CCB			0	0.00		0.00	< 0.4	accept
Notes											

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ANALYSIS SEQUENCE

1400183

Brooks Rand Labs

Instrument: HGAAS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400183-IBL1	1400183	QC	1		-			
1400183-IBL2	1400183	QC	2		-			
1400183-IBL3	1400183	QC	3		-			
1400183-IBL4	1400183	QC	4		-			
1400183-IBL5	1400183	QC	5		-			
1400183-IBL6	1400183	QC	6		-			
1400183-IBL7	1400183	QC	7		-			
1400183-CAL1	1400183	QC	8	1410066	-			
1400183-CAL2	1400183	QC	9	1410067	-			
1400183-CAL3	1400183	QC	10	1410068	-			
1400183-CAL4	1400183	QC	11	1410069	-			
1400183-CAL5	1400183	QC	12	1410070	-			
1400183-CAL6	1400183	QC	13	1410071	-			
1400183-ICV1	1400183	QC	14	1410040	-			
1400183-ICV2	1400183	QC	15	1410041	-			
1400183-CCV1	1400183	QC	16	1410039	-			
1400183-CCB1	1400183	QC	17		-			
B140304-BLK1	B140304	QC	18		-			
B140304-BLK2	B140304	QC	19		-			
B140304-BLK3	B140304	QC	20		-			
B140304-BLK4	B140304	QC	21		-			
B140304-BS1	B140304	QC	22		-			
B140304-SRM1	B140304	QC	23		-			
B140304-SRM2	B140304	QC	24		-			
1408020-01	B140304	MMAs-B-HClExt-HGAAS	25			ARD-MV1302	3/14/2014	
B140304-DUP1	B140304	QC	26		1408020-01			

ANALYSIS SEQUENCE

1400183

Brooks Rand Labs

Instrument: HGAAS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140304-MS1	B140304	QC	27		1408020-01			
B140304-MSD1	B140304	QC	28		1408020-01			
1408020-01RE1	B140304	MMAs-B-HClExt-HGAAS	29			ARD-MV1302	3/14/2014	Added 3/7/2014 by IRJ
1408020-02	B140304	MMAs-B-HClExt-HGAAS	30			ARD-MV1302	3/14/2014	
1408020-03	B140304	MMAs-B-HClExt-HGAAS	31			ARD-MV1302	3/14/2014	
B140304-DUP4	B140304	QC	32		1408020-01			
1408020-04	B140304	MMAs-B-HClExt-HGAAS	33			ARD-MV1302	3/14/2014	
1408020-05	B140304	MMAs-B-HClExt-HGAAS	34			ARD-MV1302	3/14/2014	
1408020-06	B140304	MMAs-B-HClExt-HGAAS	35			ARD-MV1302	3/14/2014	
1408020-07	B140304	MMAs-B-HClExt-HGAAS	36			ARD-MV1302	3/14/2014	
1408020-08	B140304	MMAs-B-HClExt-HGAAS	37			ARD-MV1302	3/14/2014	
1400183-CCV2	1400183	QC	38	1410039	-			
1400183-CCB2	1400183	QC	39		-			
1408020-09	B140304	MMAs-B-HClExt-HGAAS	40			ARD-MV1302	3/14/2014	
1408020-10	B140304	MMAs-B-HClExt-HGAAS	41			ARD-MV1302	3/14/2014	
B140304-DUP2	B140304	QC	42		1408020-10			
B140304-MS2	B140304	QC	43		1408020-10			
B140304-MSD2	B140304	QC	44		1408020-10			
1408020-11	B140304	MMAs-B-HClExt-HGAAS	45			ARD-MV1302	3/14/2014	
1408020-12	B140304	MMAs-B-HClExt-HGAAS	46			ARD-MV1302	3/14/2014	
1408020-13	B140304	MMAs-B-HClExt-HGAAS	47			ARD-MV1302	3/14/2014	
1408020-14	B140304	MMAs-B-HClExt-HGAAS	48			ARD-MV1302	3/14/2014	
1408020-15	B140304	MMAs-B-HClExt-HGAAS	49			ARD-MV1302	3/14/2014	
1408020-16	B140304	MMAs-B-HClExt-HGAAS	50			ARD-MV1302	3/14/2014	
1400183-CCV3	1400183	QC	51	1410039	-			
1400183-CCB3	1400183	QC	52		-			

ANALYSIS SEQUENCE

1400183

Brooks Rand Labs

Instrument: HGAAS-2

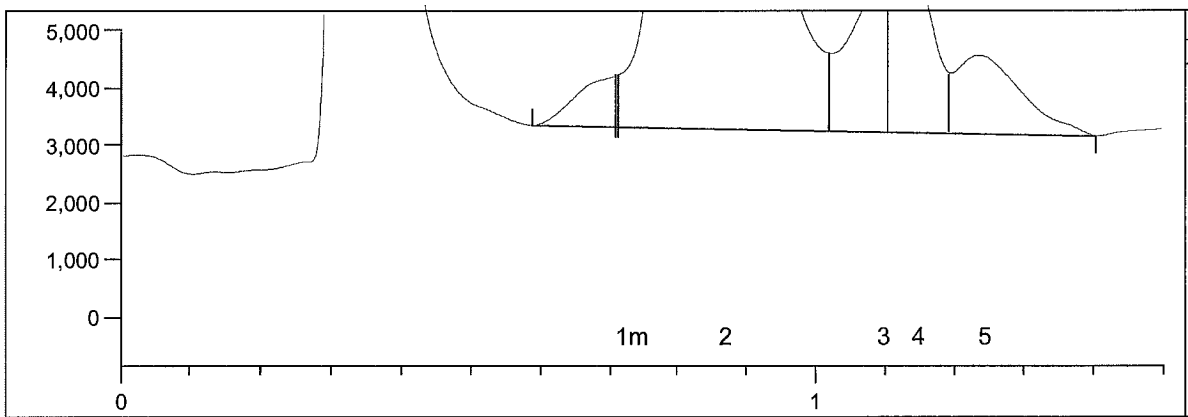
Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-17	B140304	MMAs-B-HClExt-HGAAS	53			ARD-MV1302	3/14/2014	
1408020-18	B140304	MMAs-B-HClExt-HGAAS	54			ARD-MV1302	3/14/2014	
1408020-19	B140304	MMAs-B-HClExt-HGAAS	55			ARD-MV1302	3/14/2014	
1408020-20	B140304	MMAs-B-HClExt-HGAAS	56			ARD-MV1302	3/14/2014	
B140304-DUP3	B140304	QC	57		1408020-20			
B140304-MS3	B140304	QC	58		1408020-20			
B140304-MSD3	B140304	QC	59		1408020-20			
1408020-21	B140304	MMAs-B-HClExt-HGAAS	60			ARD-MV1302	3/14/2014	
1408020-22	B140304	MMAs-B-HClExt-HGAAS	61			ARD-MV1302	3/14/2014	
1408020-23	B140304	MMAs-B-HClExt-HGAAS	62			ARD-MV1302	3/14/2014	
1408020-24	B140304	MMAs-B-HClExt-HGAAS	63			ARD-MV1302	3/14/2014	
1400183-CCV4	1400183	QC	64	1410039	-			
1400183-CCB4	1400183	QC	65		-			

Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

Date Analyzed: 3/6/14
Analyst Name: IRJ

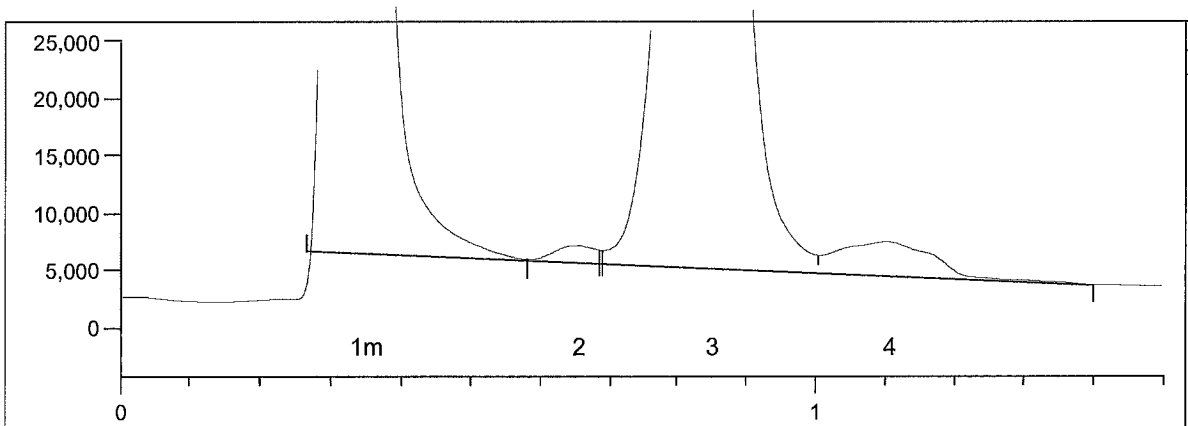


Date: 3/6/14
Time: 3:30 PM

Peak	rt	Area
1m	0.71	36,303
2	0.86	4,435,531
3	1.09	100,452
4	1.14	113,658
5	1.23	88,697

Cmc 3/26/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
63		S	1408020-17		1m	36,303	0.133	0.00		< HS	accept
Notes											

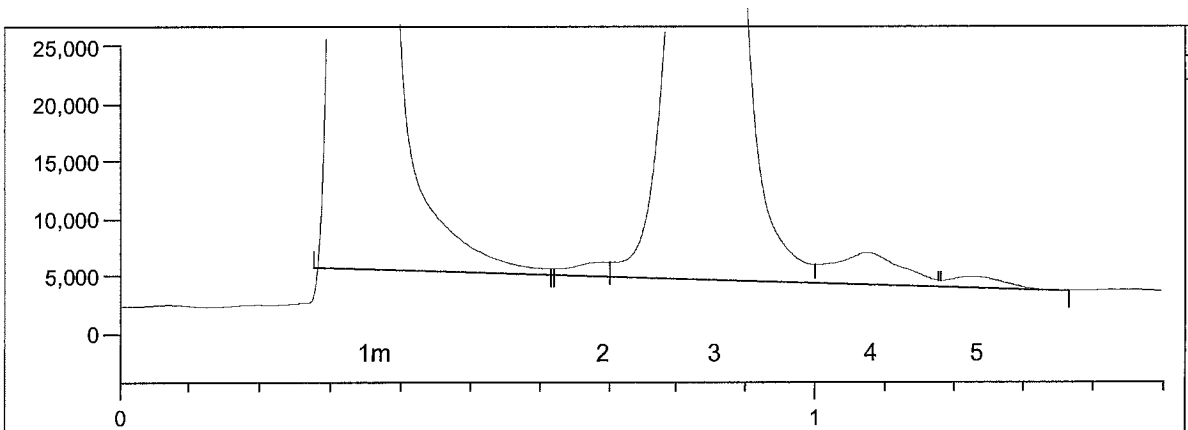


Date: 3/6/14
Time: 3:34 PM

Peak	rt	Area
1m	0.33	10,926,950
2	0.65	63,833
3	0.84	6,299,231
4	1.10	280,253

Cmc 3/26/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
64		S	1408020-18		2	63,833	0.263	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 3:39 PM

Peak	rt	Area
1m	0.34	9,807,276
2	0.68	39,899
3	0.84	5,335,545
4	1.07	184,591
5	1.22	47,493

Cmc 3/26/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
65		S	1408020-19		2	39,899	0.150	0.00		< HS	accept
Notes											

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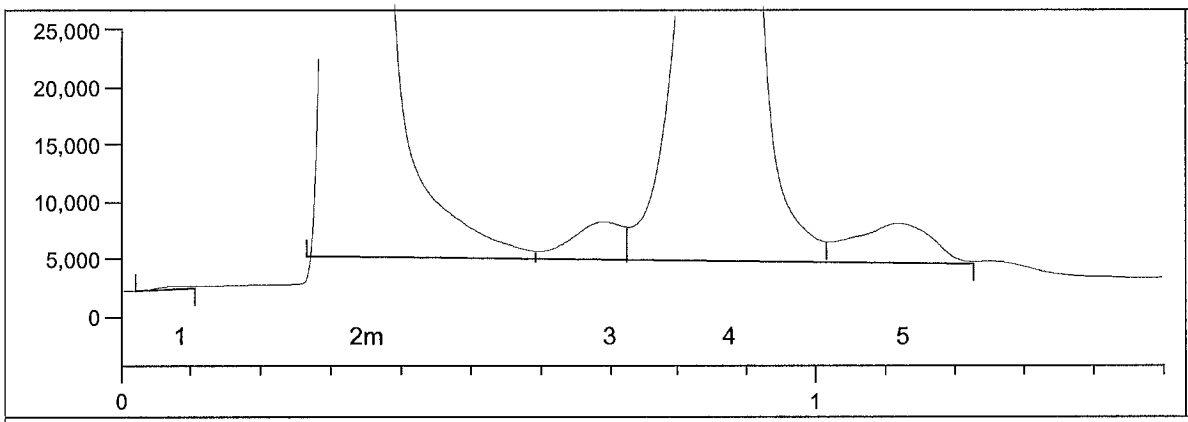
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

Date Analyzed: 3/6/14
Analyst Name: IRJ

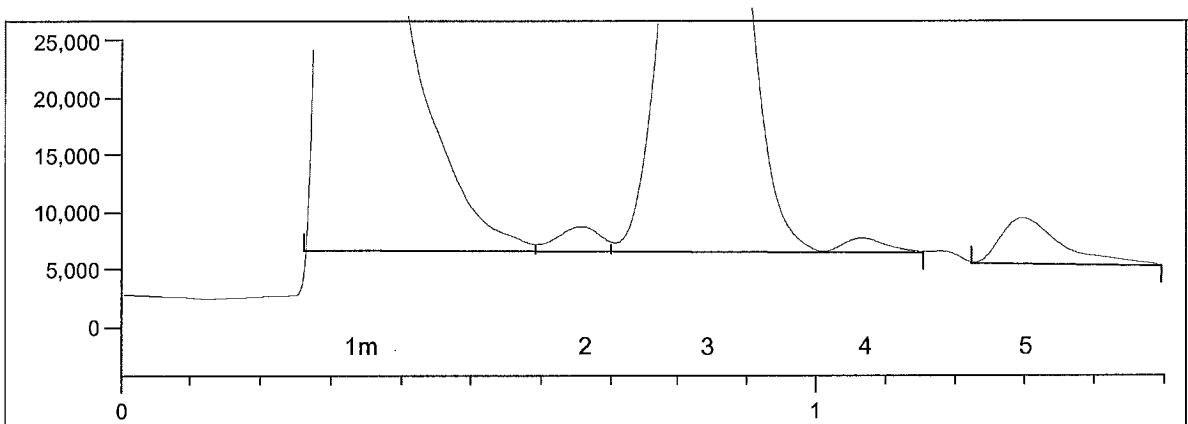


Date: 3/6/14
Time: 4:02 PM

Peak	rt	Area
1	0.08	4,573
2m	0.33	10,263,330
3	0.69	167,367
4	0.86	5,892,220
5	1.12	247,720

CMC 3/26/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
70		S	1408020-21		3	167,367	0.750	0.00		< HS	accept
Notes											

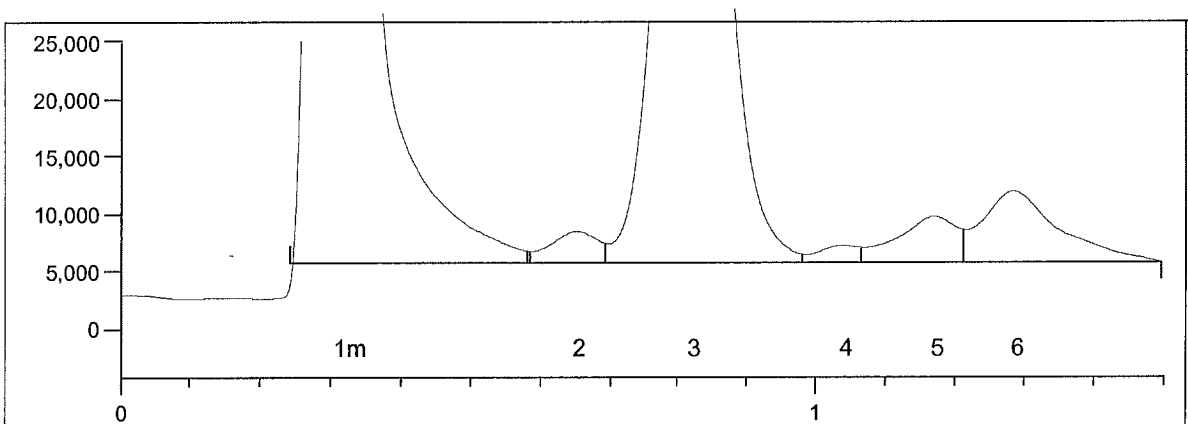


Date: 3/6/14
Time: 4:07 PM

Peak	rt	Area
1m	0.32	11,799,101
2	0.66	90,204
3	0.83	3,995,711
4	1.06	46,243
5	1.30	237,524

CMC 3/26/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
71		S	1408020-22		2	90,204	0.387	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 4:12 PM

Peak	rt	Area
1m	0.30	11,346,260
2	0.65	125,067
3	0.81	4,144,161
4	1.04	59,382
5	1.17	236,644
6	1.28	469,580

CMC 3/26/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
72		S	1408020-23		2	125,067	0.551	0.00		< HS	accept
Notes											

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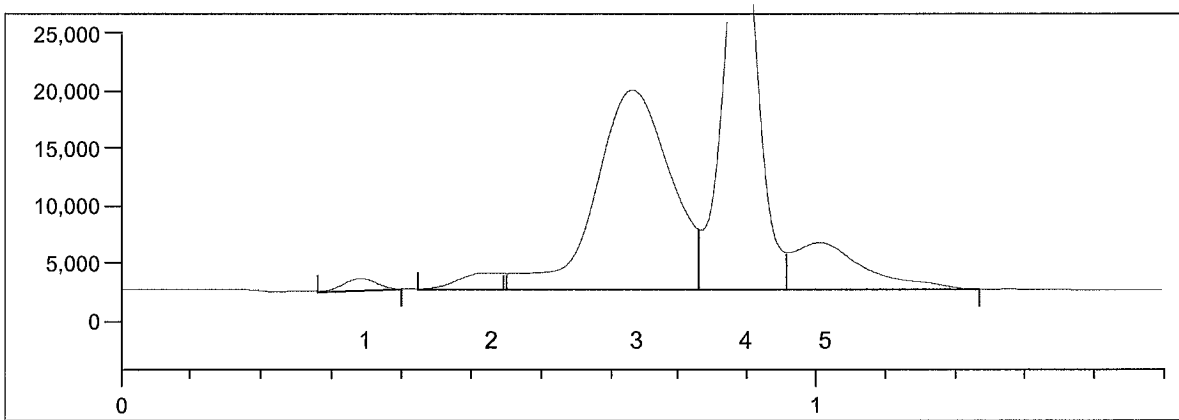
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 4:21 PM

Peak	rt	Area
1	0.34	32,533
2	0.52	61,561
3	0.73	1,313,170
4	0.89	1,238,941
5	1.00	290,262

CMC 3/26/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
74		OPR	SEQ-CCV		3	1,313,170	6.15		123	80-120	reject
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: 1400183/182	Batch(es): B140304/303	Matrix: Biota
Analyst: IRJ	Date: 03-06-14	Pump purge time: 2:30
Cal. blank (average): 0.002 / 0.00 µg/L	Cal. coefficient: 0.00471/0.00468	RSD: 7.07/11.1 %
Method blank (average): 0.00/0.00 mg/kg	Noise: 2687	Trap(s) #: 51
Cal. Std. 10ng/mL: 1410036	ICV Std. 100ng/mL: 1410037/0038	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	↓	3.00		↓ ①
3	SEQ-IBL1	-		high blk for MMA -changed HCl
4	-IBL2	-		↓ -changed H_2O (DIW)
5	-IBL3	-		↓ -changed NaBHy (remade)
6	-IBL4	-		
7	-IBL5	-		
8	-IBL6	-		
9	-CAL1	0.050		10ng/mL Cal. high MMA fail ② NOT uploaded TOLIMS -ewa 3/26/14
10	-CAL2	0.100		↓ ↓ ↓
11	-CAL3	0.200		↓ ↓
12	-CAL4	1.00		
13	-CAL5	2.00		
14	-CAL6	3.00		
15	-CAL7	0.050		fail
16	-CAL8	0.100		↓ ↓ -CAL std. remade
17	-IBL7	-		run to confirm clean bubbler/reagents
18	-CAL1	0.050		10ng/mL Cal.
19	-CAL2	0.100		↓
20	-CAL3	0.200		
21	-CAL4	1.00		
22	-CAL5	2.00		
23	-CAL6	3.00		↓
24	-ICV1	0.050		100ng/mL MMA ICV

Comments: ① Tests w/ new trap suggest it will calibrate for both MMA and DMA. ② seems systematic error for consistent amount of contamination is present CAL 1-3.

As(In) ☐ As(III) ☐ MMA ☑ DMA ☑ Analysis Sheet

Sequence: 1400183/182 Batch: B140304/303 Analyst: DRJ Date: 03-06-14

Run #	Sample ID	Analyzed Volume (mL)	Dilution Factor	Analysis comments / For QC: Source sample, standard ID, and spiked amount
25	SEQ-ICV2	0.050		100ng/mL ICV (DMA)
26	-CCV1	0.500		10ng/mL Cal.
27	-CCB1	-		
28	B140304/303-BLK1	2.00		
29	-BLK2			
30	-BLK3			
31	-BLK4			
32	-BS1			
33	-SRM1			③
34	-SRM2			
35	1408020-01			
36	B140304/303-DUP1			native: 1408020-01 >35% RPD
37	-MS1			
38	-MSD1			
39	1408020-01RE1			④
40	-02			
41	-03			
42	B140304/303-DUP4			rerun of DUP1 - confirms
43	1408020-04			
44	-05			
45	-06			
46	-07			
47	-08			
48	SEQ-CCV2	0.500		10ng/mL Cal.
49	-CCB2	-		
50	1408020-09	2.00		③
51	-10			
52	B140304/303-DUP2			native: 1408020-10

Comments: ③ 25 µL anti-foam added to avoid bubble-over into traps.
④ Not enough volume left to reanalyze @ 2mL (w/o pipetting some solid), DUP1 rerun again instead.

As(In) ☐ As(III) ☐ MMA ☑ DMA ☑ Analysis Sheet

Page 3 of 3

Sequence: 1400183/182 Batch: B140304/303 Analyst: IRJ Date: 03-06-14

Run #	Sample ID	Analyzed Volume (mL)	Dilution Factor	Analysis comments / For QC: Source sample, standard ID, and spiked amount
53	B140304/303-MS2	2.00		native: 1408020-10 (3)
54	↓ -MSD2	↓		↓
55	1408020-11			
56	-12			
57	-13			
58	-14			
59	-15			
60	-16	↓		↓
61	SEQ-CCV3	0.500		10ng/mL Cal.
62	↓ -CCB3	-		
m2 63	1408020-17	2.00		(3)
64	-18	↓		↓
65	-19			
66	-20	0.500		
67	B140304/303-DUP3	↓		native: 1408020-20
68	-MS3			↓
69	-MSD3			
m2 70	1408020-21	2.00		(3)
71	-22	↓		↓
m2 72	-23			
73	-24			
m2 74	SEQ-CCV	0.500		10ng/mL Cal.
75	↓ -CCB	-		
			IRJ 03-06-14	

Comments: _____

COPY

BRL Report 1408020

Total As / Total Se / As Species (Inorg, III, MMA/DMA) (circle)

Methods BR-0020 Rev _____ (HGAAS) & BR-0021 Rev 004b Mod. of EPA 1632 (HGAAS) - circle

Matrix: Water / Sediment / (Biota) / Other _____ (circle one)

Batch #(s): B140301, 302, 303, 304 Preparation Start Date/Time*: 03-03-14 / 1550 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
1408020-01 QC1	0.5299	
1408020-02	0.5100	
1408020-03	0.5626	
1408020-04	0.5100	
1408020-05	0.5514	
1408020-06	0.5309	
1408020-07	0.5230	
1408020-08	0.5795	
1408020-09	0.5259	
1408020-10 QC2	0.5247	
1408020-11	0.5473	
1408020-12	0.5426	
1408020-13	0.5336	
1408020-14	0.5094	
1408020-15	0.4972	
1408020-16	0.4941	
1408020-17	0.5270	
1408020-18	0.5231	
1408020-19	0.5241	
1408020-20	0.5710	
1408020-21	0.5967	
1408020-22	0.5039	
1408020-23	0.5763	
1408020-24	0.5255	

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
B140301/302-BS1	-	
B140302-BS2	-	
B140303/304-BS1	-	
~~B140301/302~~-DUP1	0.5479	All batches
~~B140301/302~~-DUP2	0.5426	↓
~~B140301/302~~-DUP3	0.5239	↓
B140301/302-MS1	0.5100	
B140301/302-MS2	0.5075	
B140301/302-MS3	0.5225	
B140301/302-MSD1	0.5459	
B140301/302-MSD2	0.4996	
B140301/302-MSD3	0.5637	
B140303/304-MS1	0.5060	
B140303/304-MS2	0.5343	
B140303/304-MS3	0.5128	
B140303/304-MSD1	0.5531	
B140303/304-MSD2	0.5106	
B140303/304-MSD3	0.5530	
SRM1	0.2071	
SRM2	0.2082	
BLK1	-	
BLK2	-	
BLK3	-	
BLK4	-	

IRJ 03-27-14

Batch QC ID	Sample Source	Spike Added (mL)	Spike Concentration (ug/mL)	Spike ID	Spike Witness Initials/Date
B140301/302-BS1	-	0.500	0.10	141000 2	3/3/14 CAE
B140302-BS2	-	↓	↓	141000 6	
B140301/302-MS/MSD1	1408020-01	0.500	0.10	↓	
B140301/302-MS/MSD2	↓ -10	0.250	↓	↓	
B140301/302-MS/MSD3	↓ -20	0.050	10	141000 5	

Reagents Added (ID/Amount Added)
2M HCl (1409095 / 10mL)

Target Digestion Temperature = 75-85 °C

Measured Temperature*, Time On / Time Off, Date
82 (81) °C 1610, 03-03-14
- 16 hour timer

Thermometer ID: BL-0

* Both measured and corrected temperatures must be recorded

Final Volume of Preparation: 10mL

Volume ~~of Prep~~ Subsampled:

Dilution Media: IRJ 03-03-14

Final Dilution Volume:

CRM, Matrix, Certified Values
SRM1/2: Nist 1568b (Rice Flour): 1337024

Comments: Sample aliquots massed on 02-27-14 by IRJ then stored in the walk-in freezer until prep. date.

Total As / Total Se / As Species In/III/MMA/DMA (circle)

Methods BR-0020 Rev _____ (HGAAS) & BR-0021 Rev 004b Mod. of EPA 1632 (HGAAS) - circle

Matrix: Water / Sediment / (Biota) / Other_____ (circle one)

Batch #(s): B140303/304

Prepared By: IRJ

Balance ID: BL-08

Preparation Start Date/Time*: 03/03/14 - 1550

* Time is when the first reagents are added.

Preparation End Date/Time**: 03/03/14 - 1605

** Time is when the last sample is brought upto volume or when last reagent is added if it does not need to be brought upto vlume.

Batch QC ID	Source	MMA Spike Added(mL)/Conc.	DMA Spike Added(mL)/Conc.	Spike ID (MMA/DMA)
BS1	–	0.500 / 0.10 µg/mL	0.500 / 0.10 µg/mL	1410037/1410038
MS/MSD1	1408020-01	0.25 / 0.10 µg/mL	0.250 /	↓
MS/MSD2	↓ -10	↓ / ↓	↓ / ↓	↓
MS/MSD3	↓ -20	0.25 / 0.10 µg/mL	0.020 / 10 µg/mL	1410037/1410035

3/3/14 CLE
Witness/Date

Target Digestion Temperature = 75-85°C

Reagents Added (ID/Amount Added)
2 MHCl (1409205/10mL)

Measured Temperature*, Time On / Time Off, Date
See pg. 1 - IRJ 3-7-14

Thermometer ID: _____

* Both measured and corrected temperatures must be recorded

Final Volume of Preparation: 10mL
~~Volume of Prep Subsampled:~~ _____
~~Dilution Media:~~ IRJ 03-03-14
Final Dilution Volume: _____

CRM, Matrix, Certified Values
Same as pg. 1

Comments: _____

Sample ID	Sample Mass (g)
1409005-01	0.2012
1409034-01	0.2108
1409004-01	0.2056
1409011-01	0.2019
1409012-01	0.2022
1408032-01	0.2045

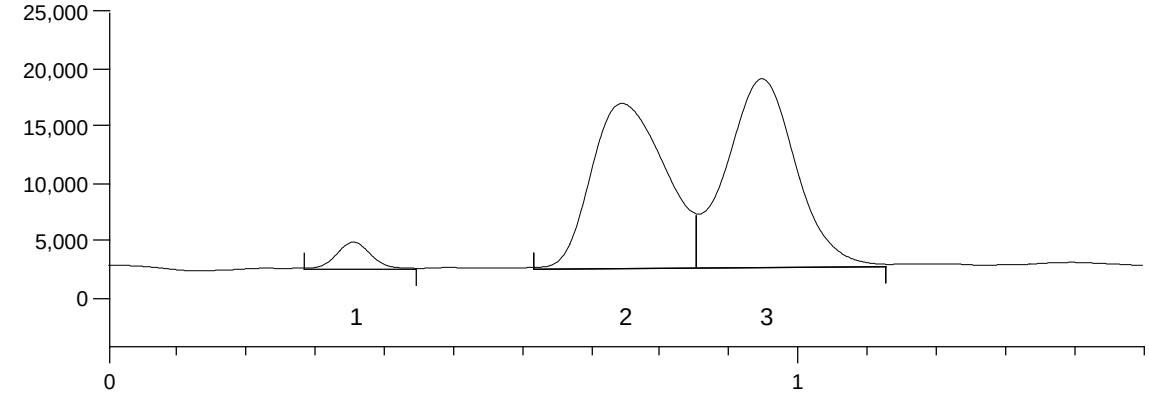
IRJ 03-03-14

Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

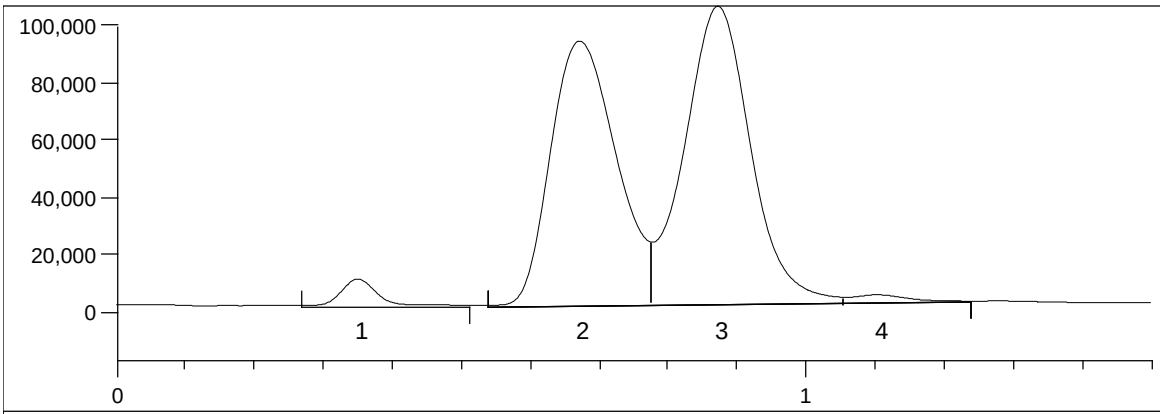
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 9:25 AM

Peak	rt	Area
1	0.35	75,780
2	0.74	1,068,275
3	0.94	1,118,917

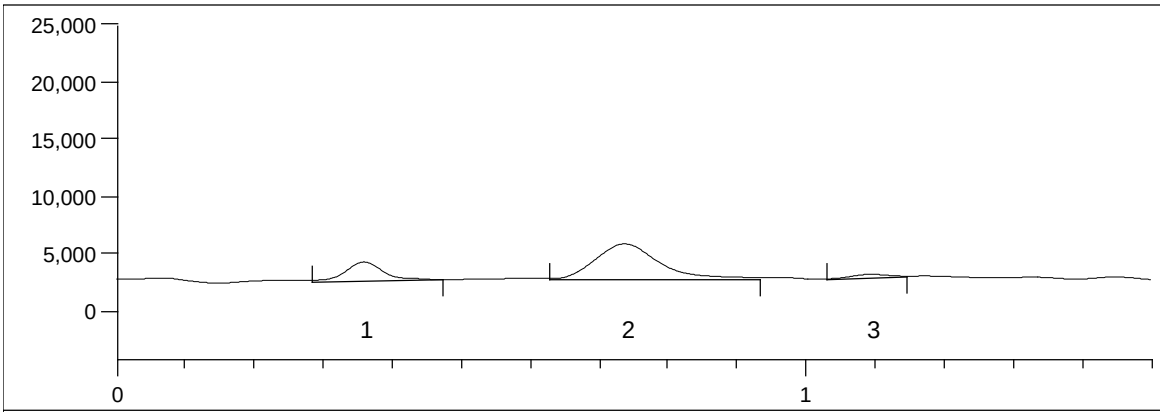
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1		STD	TEST		2	1,068,275	4.99		99.9	80-120	reject
Notes											



Date: 3/6/14
Time: 9:30 AM

Peak	rt	Area
1	0.35	312,434
2	0.67	6,123,108
3	0.87	6,887,422
4	1.10	131,250

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2		STD	TEST		2	6,123,108	28.8		96.0	80-120	reject
Notes											



Date: 3/6/14
Time: 9:35 AM

Peak	rt	Area
1	0.36	57,261
2	0.73	183,386
3	1.09	8,972

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3		CB	SEQ-IBL1		2	183,386	0.864		0.864	< 0.4	reject
Notes											

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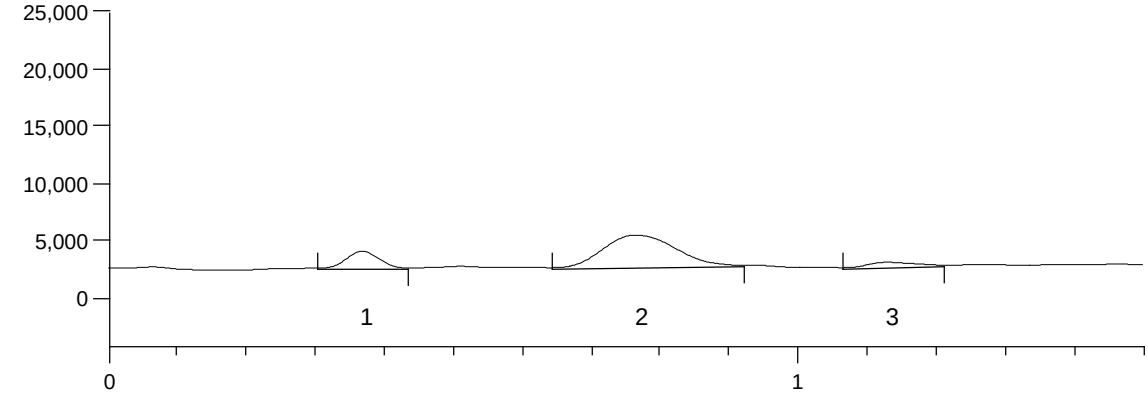
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

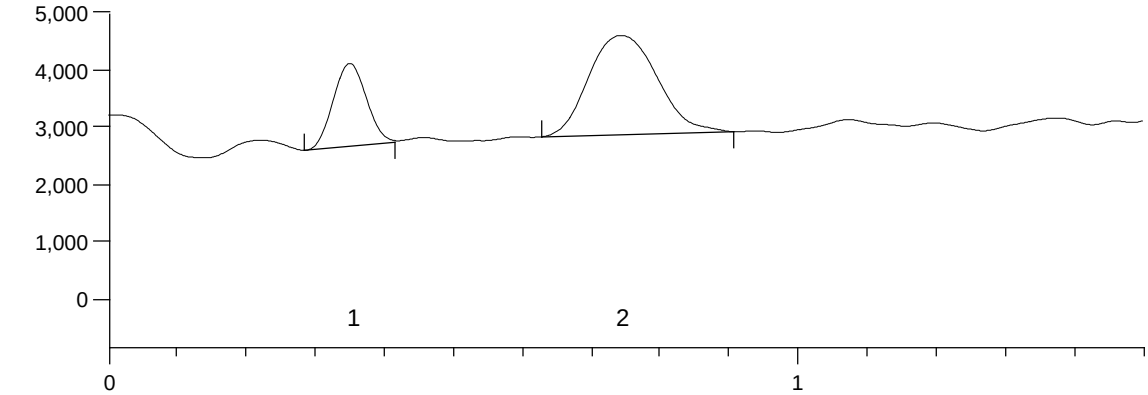
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 9:41 AM

Peak	rt	Area
1	0.36	46,928
2	0.76	197,337
3	1.12	17,474

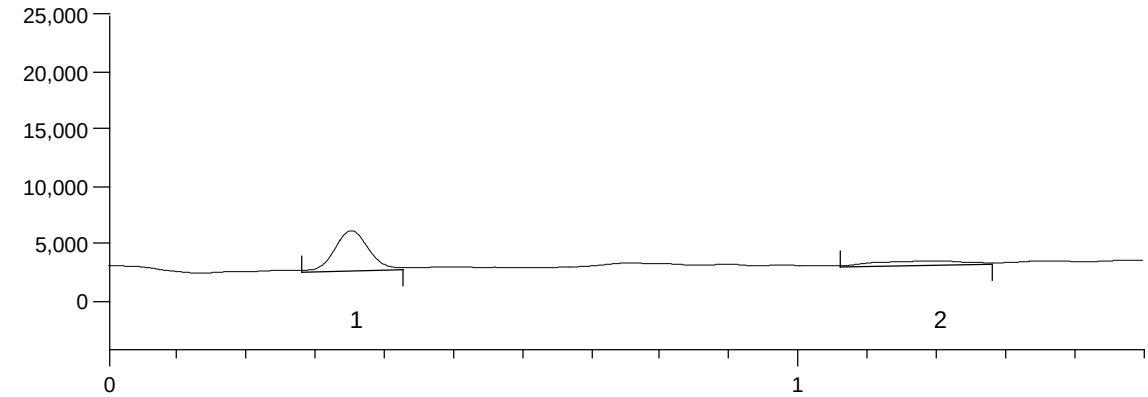
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4		CB	SEQ-IBL2		2	197,337	0.930		0.930	< 0.4	reject
Notes											



Date: 3/6/14
Time: 9:47 AM

Peak	rt	Area
1	0.35	47,824
2	0.74	119,320

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5		CB	SEQ-IBL3		2	119,320	0.562		0.562	< 0.4	reject
Notes											



Date: 3/6/14
Time: 10:09 AM

Peak	rt	Area
1	0.35	108,807
2	1.20	22,803

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6		CB	SEQ-IBL4			0	0.00		0.00	< 0.4	accept
Notes											

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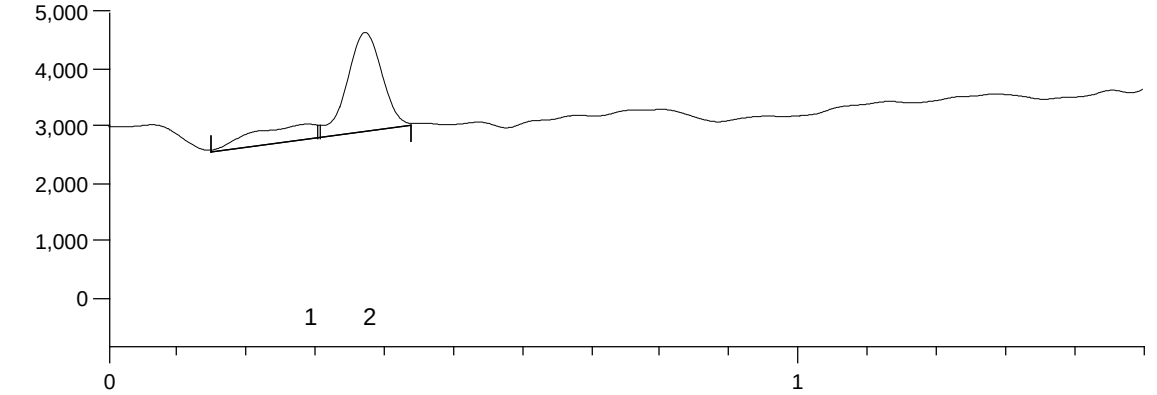
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

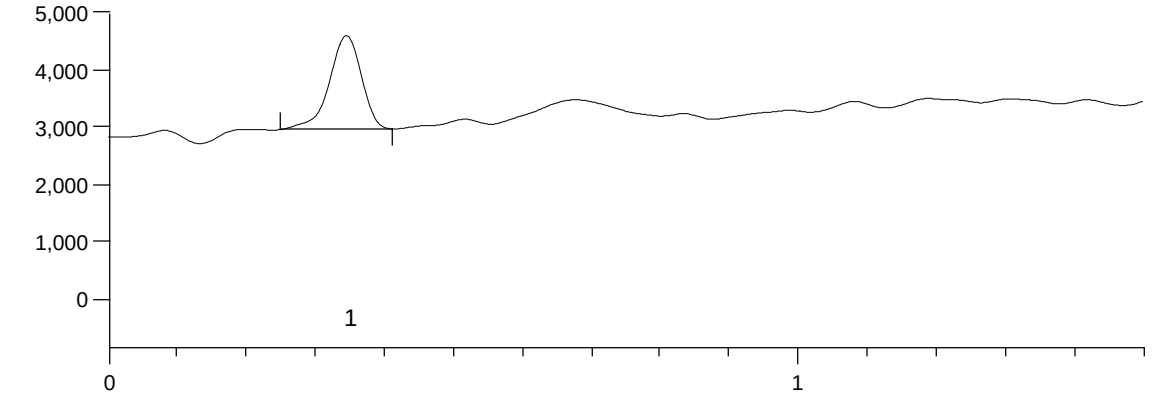
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 10:13 AM

Peak	rt	Area
1	0.28	17,021
2	0.37	58,473

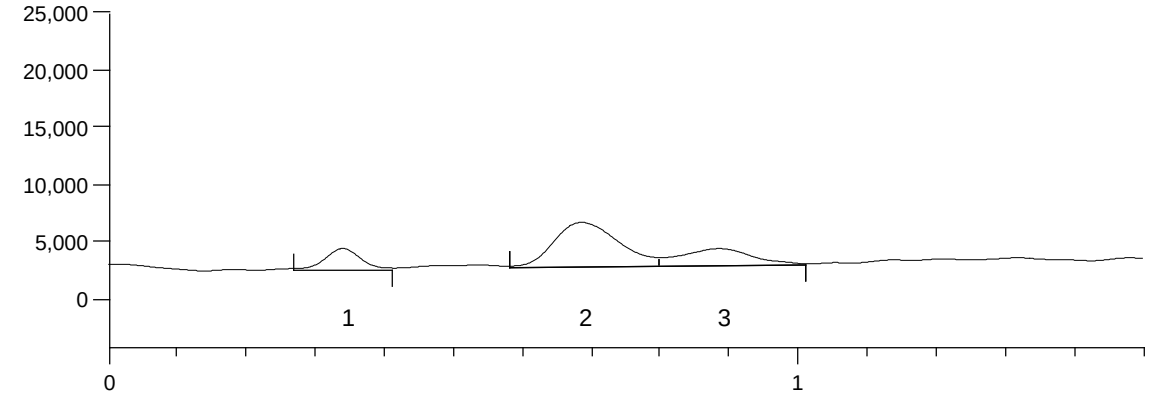
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7		CB	SEQ-IBL5			0	0.00		0.00	< 0.4	accept
Notes											



Date: 3/6/14
Time: 10:18 AM

Peak	rt	Area
1	0.34	52,671

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8		CB	SEQ-IBL6			0	0.00		0.00	< 0.4	accept
Notes											



Date: 3/6/14
Time: 10:23 AM

Peak	rt	Area
1	0.34	56,063
2	0.68	242,750
3	0.88	96,541

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9		STD	test		2	242,750	1.11		221	80-120	reject
Notes											

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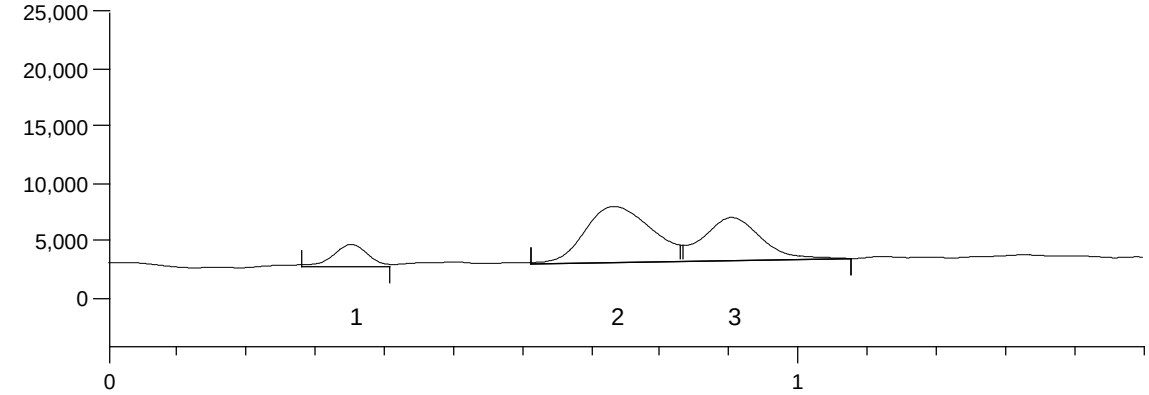
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

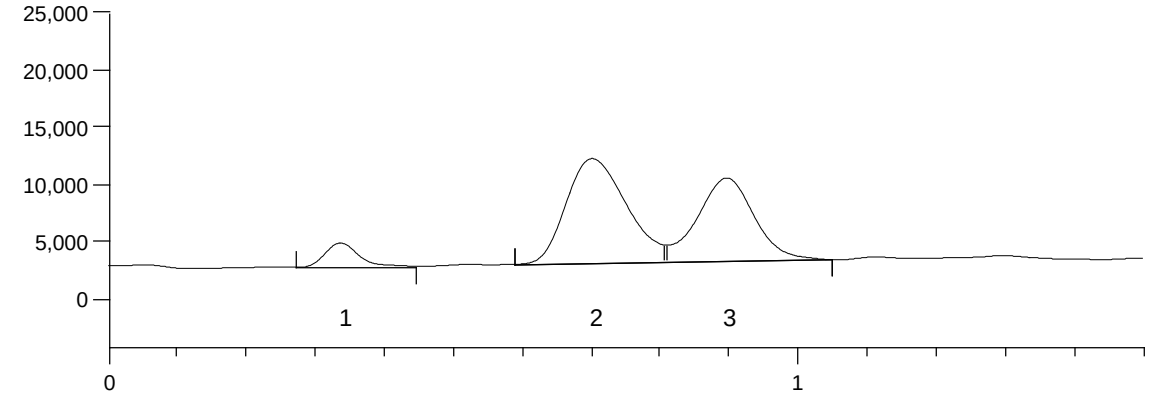
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 10:28 AM

Peak	rt	Area
1	0.35	54,783
2	0.73	322,078
3	0.90	212,276

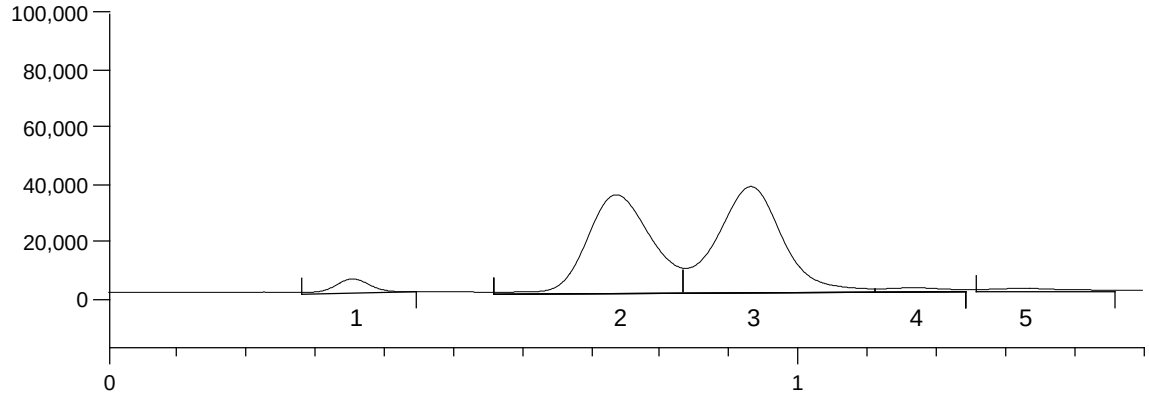
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10		STD	test		2	322,078	1.48		148	80-120	reject
Notes											



Date: 3/6/14
Time: 10:33 AM

Peak	rt	Area
1	0.33	69,215
2	0.70	559,861
3	0.89	419,003

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11		STD	test		2	559,861	2.60		130.	80-120	reject
Notes											



Date: 3/6/14
Time: 10:38 AM

Peak	rt	Area
1	0.35	152,070
2	0.73	2,164,319
3	0.93	2,336,729
4	1.16	33,555
5	1.32	25,013

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12		STD	test		2	2,164,319	10.2		102	80-120	reject
Notes											

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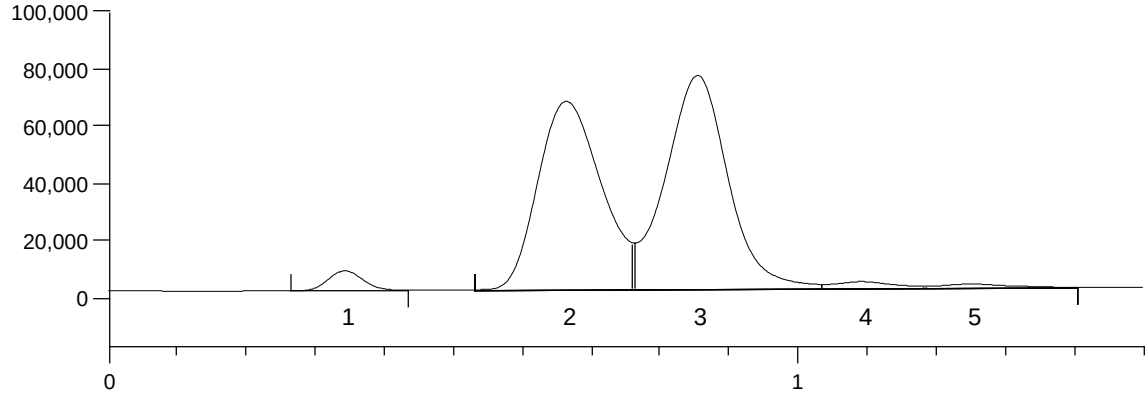
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

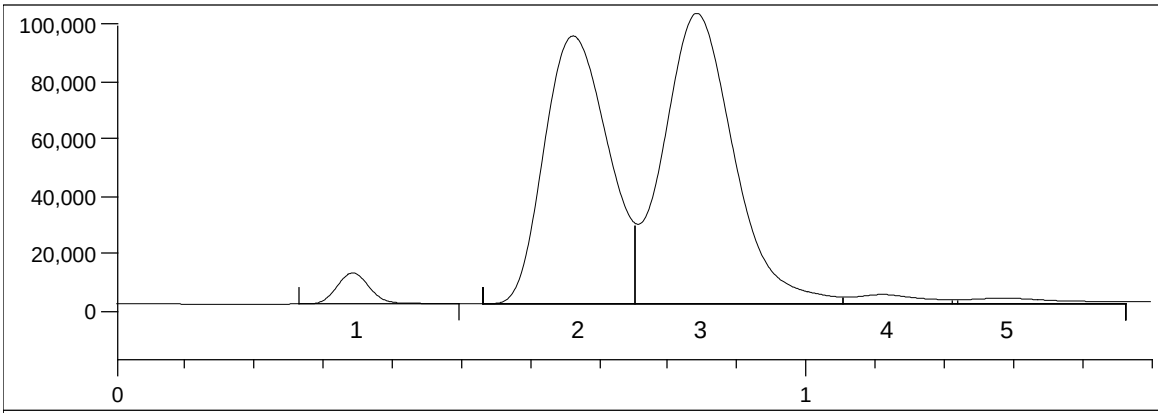
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 10:42 AM

Peak	rt	Area
1	0.34	238,686
2	0.66	4,216,784
3	0.85	4,683,049
4	1.09	130,861
5	1.25	83,193

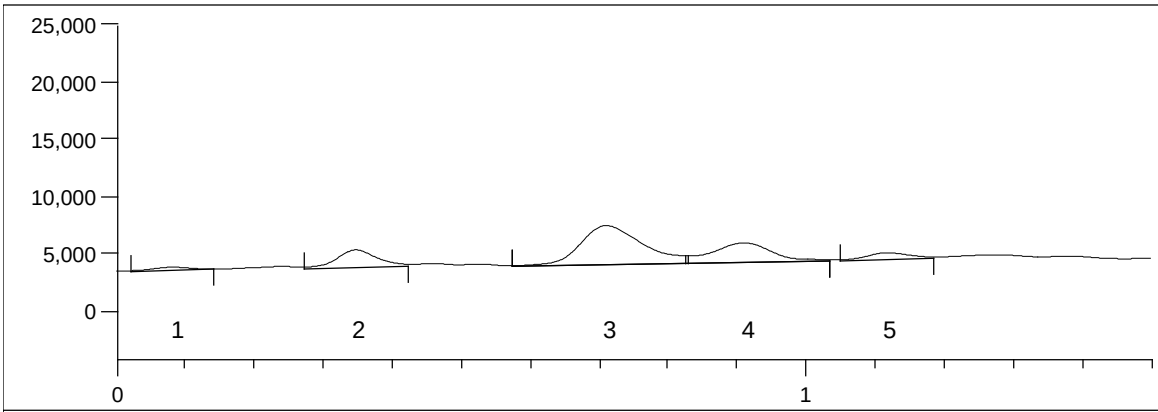
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
13		STD	test		2	4,216,784	19.8		99.1	80-120	reject
Notes											



Date: 3/6/14
Time: 10:47 AM

Peak	rt	Area
1	0.34	356,083
2	0.66	6,084,270
3	0.84	7,106,695
4	1.11	175,804
5	1.28	98,105

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
14		STD	test		2	6,084,270	28.6		95.4	80-120	reject
Notes											



Date: 3/6/14
Time: 10:52 AM

Peak	rt	Area
1	0.08	8,331
2	0.34	50,013
3	0.71	209,929
4	0.90	93,277
5	1.11	18,753

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
15		STD	test		3	209,929	0.951		190.	80-120	reject
Notes											

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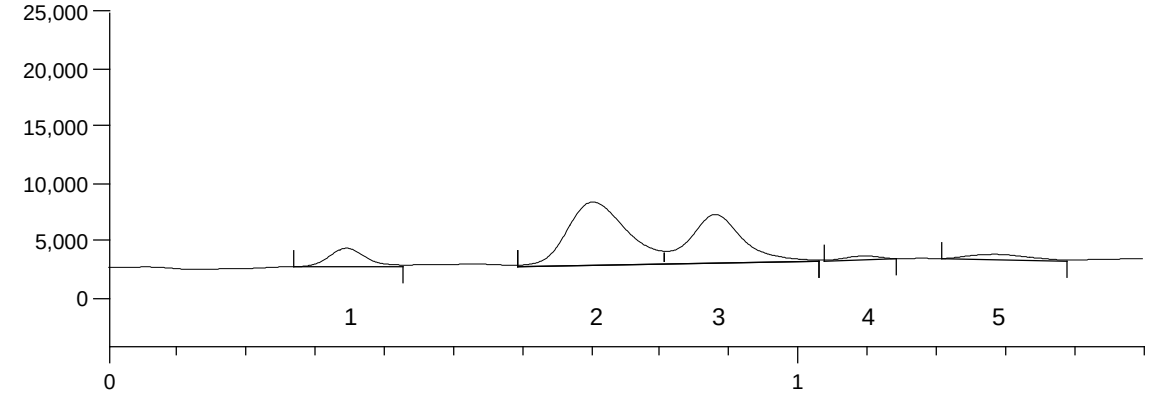
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

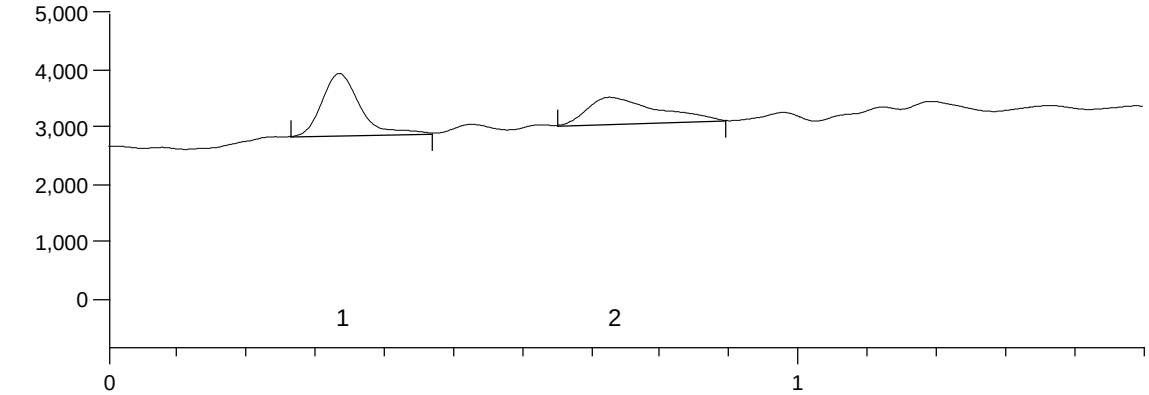
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 10:58 AM

Peak	rt	Area
1	0.34	54,337
2	0.70	323,212
3	0.88	215,485
4	1.09	10,172
5	1.28	23,766

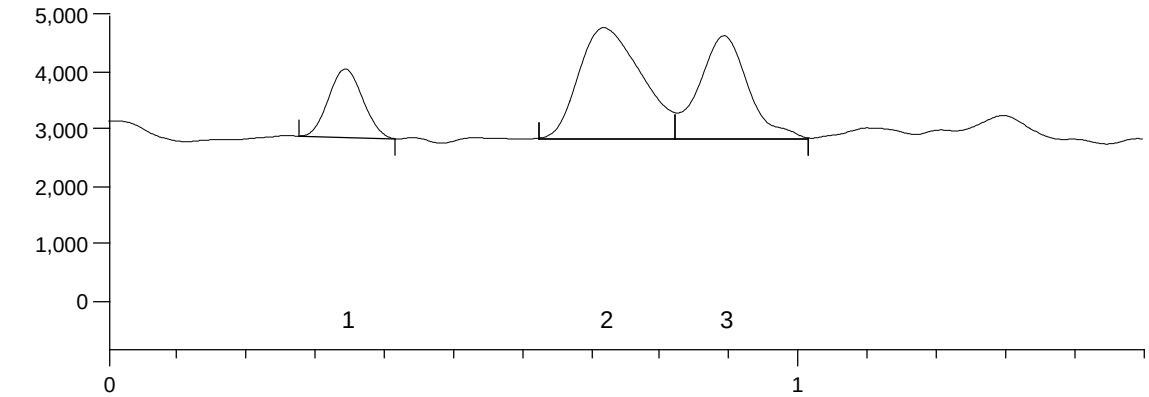
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16		STD	test		2	323,212	1.48		148	80-120	reject
Notes											



Date: 3/6/14
Time: 11:12 AM

Peak	rt	Area
1	0.33	40,296
2	0.72	32,367

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17		CB	SEQ-IBL7		2	32,367	0.152		0.152	< 0.4	accept
Notes											



Date: 3/6/14
Time: 11:16 AM

Peak	rt	Area
1	0.34	40,999
2	0.72	121,892
3	0.89	86,817

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18		STD	SEQ-CAL1		2	121,892	0.536		107	80-120	accept
Notes											

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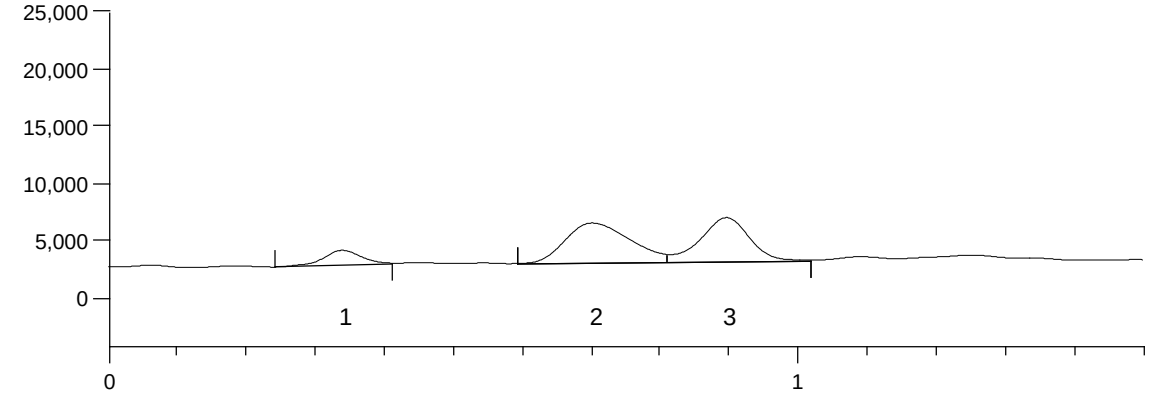
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

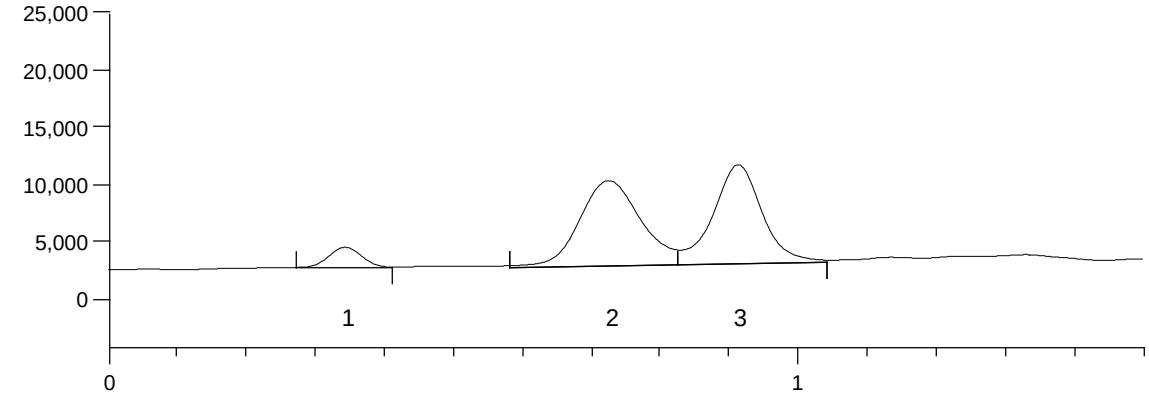
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 11:21 AM

Peak	rt	Area
1	0.34	48,237
2	0.70	227,028
3	0.89	182,063

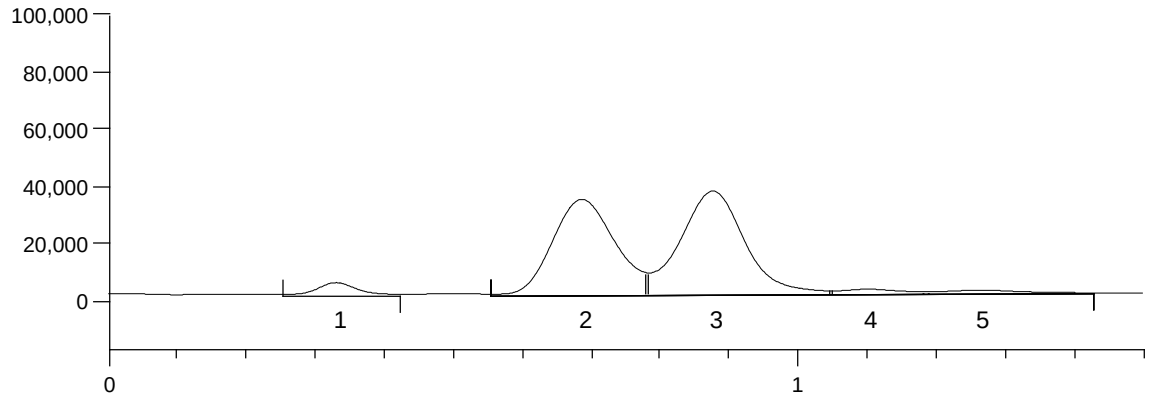
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
19		STD	SEQ-CAL2		2	227,028	1.03		103	80-120	accept
Notes											



Date: 3/6/14
Time: 11:26 AM

Peak	rt	Area
1	0.34	56,870
2	0.72	440,566
3	0.91	406,487

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
20		STD	SEQ-CAL3		2	440,566	2.04		102	80-120	accept
Notes											



Date: 3/6/14
Time: 11:31 AM

Peak	rt	Area
1	0.33	144,772
2	0.68	2,072,169
3	0.87	2,304,095
4	1.10	83,953
5	1.26	78,802

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
21		STD	SEQ-CAL4		2	2,072,169	9.72		97.2	80-120	accept
Notes											

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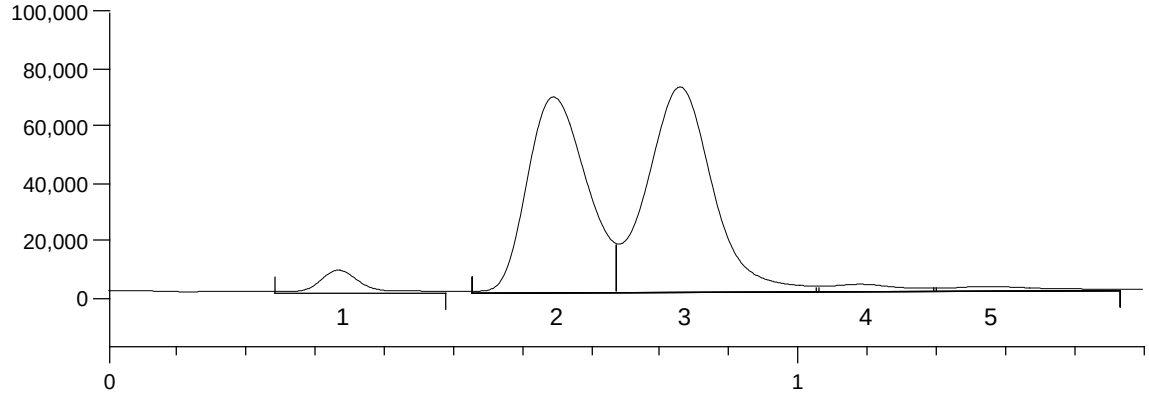
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

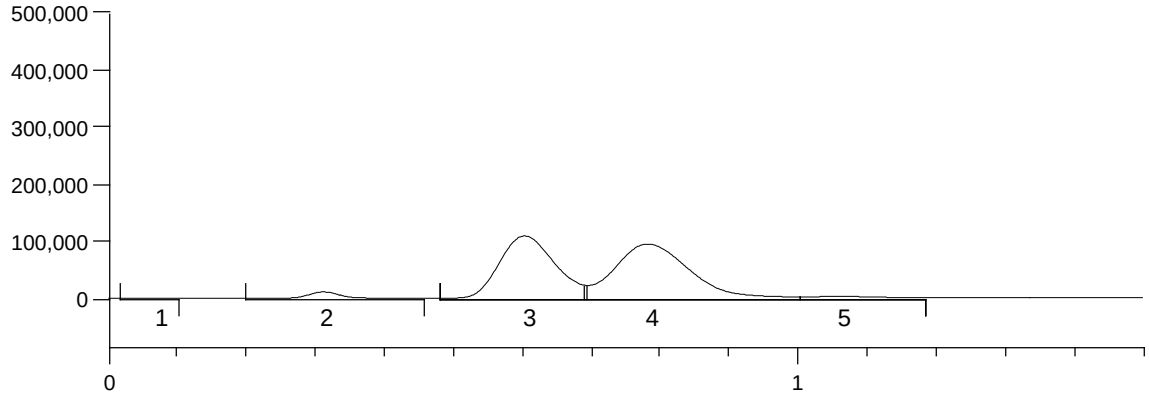
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 11:35 AM

Peak	rt	Area
1	0.33	269,896
2	0.64	4,074,046
3	0.82	4,624,045
4	1.09	133,427
5	1.27	91,538

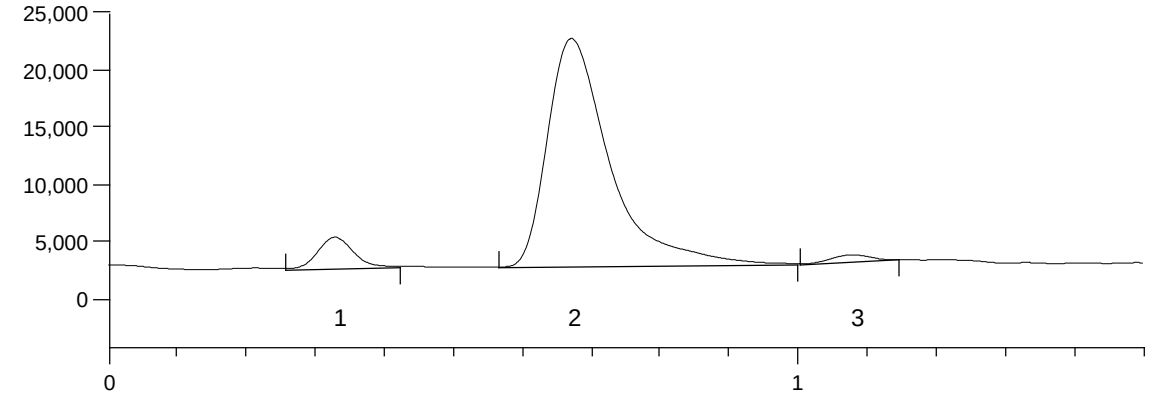
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
22		STD	SEQ-CAL5		2	4,074,046	19.2		95.8	80-120	accept
Notes											



Date: 3/6/14
Time: 11:40 AM

Peak	rt	Area
1	0.07	5,042
2	0.31	347,572
3	0.60	6,106,603
4	0.78	6,913,504
5	1.06	115,773

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
23		STD	SEQ-CAL6		3	6,106,603	28.7		95.8	80-120	accept
Notes											



Date: 3/6/14
Time: 11:45 AM

Peak	rt	Area
1	0.32	92,230
2	0.67	1,250,360
3	1.08	24,108

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24		OPR	SEQ-ICV		2	1,250,360	5.85		117	80-120	accept
Notes											

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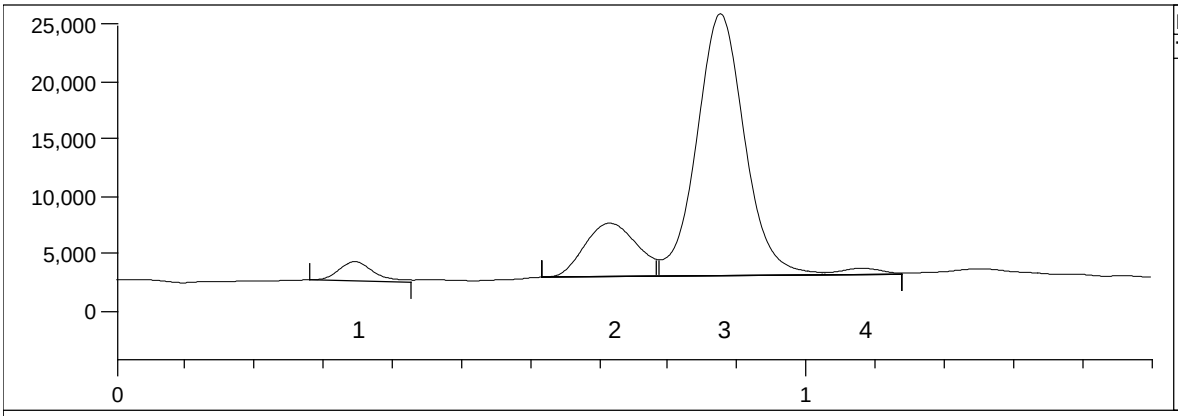
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

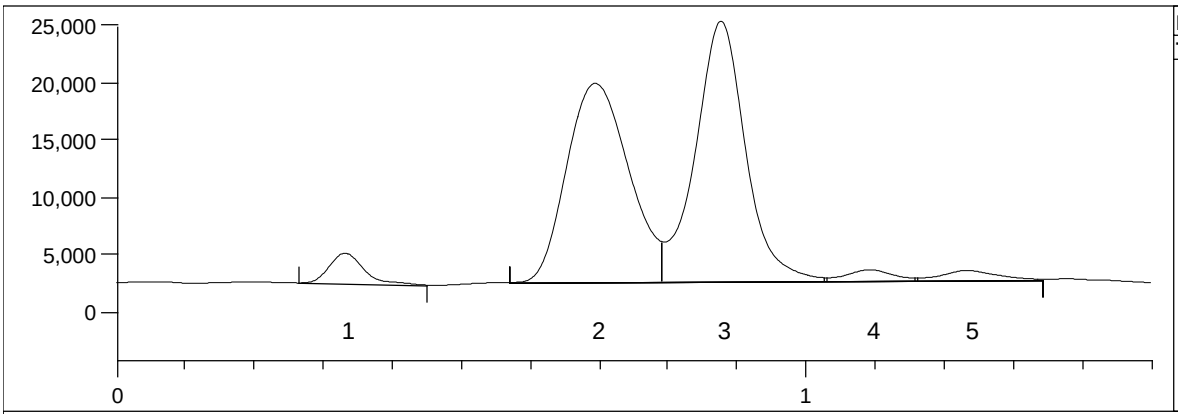
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 11:49 AM

Peak	rt	Area
1	0.34	50,936
2	0.71	248,893
3	0.87	1,096,205
4	1.08	18,219

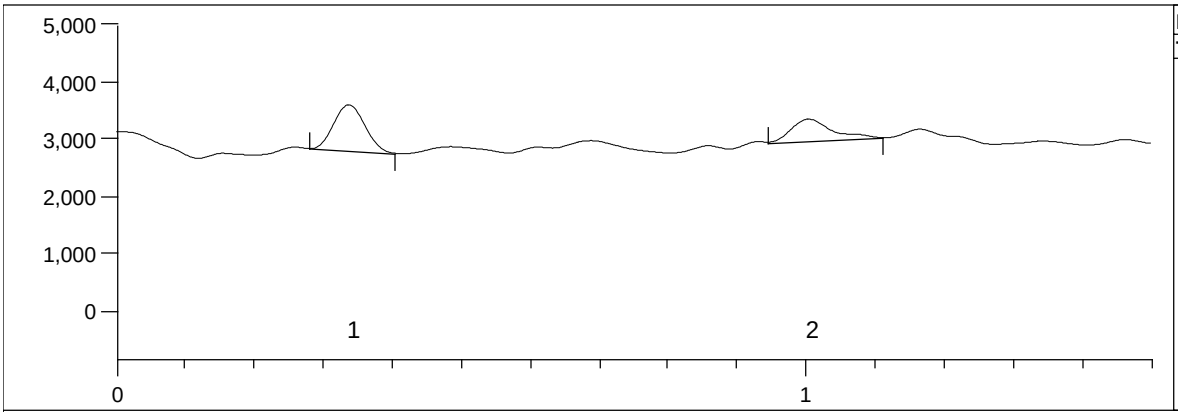
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
25		OPR	SEQ-ICV		2	248,893	1.13		22.7	80-120	reject
Notes											



Date: 3/6/14
Time: 11:54 AM

Peak	rt	Area
1	0.33	93,031
2	0.69	1,095,938
3	0.87	1,140,806
4	1.09	40,852
5	1.23	40,867

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
26		OPR	SEQ-CCV		2	1,095,938	5.13		103	80-120	accept
Notes											



Date: 3/6/14
Time: 11:59 AM

Peak	rt	Area
1	0.33	25,080
2	1.00	15,157

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
27		CCB	SEQ-CCB			0	0.00		0.00	< 0.4	accept
Notes											

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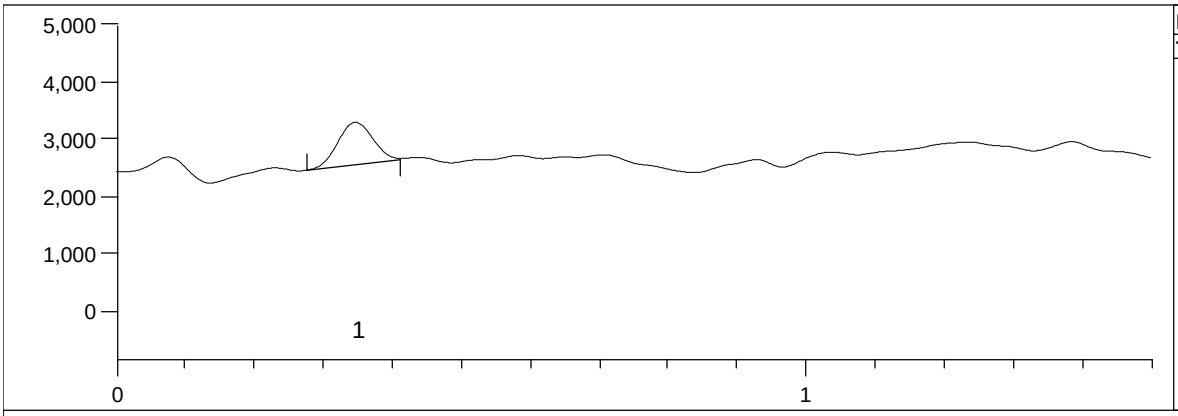
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

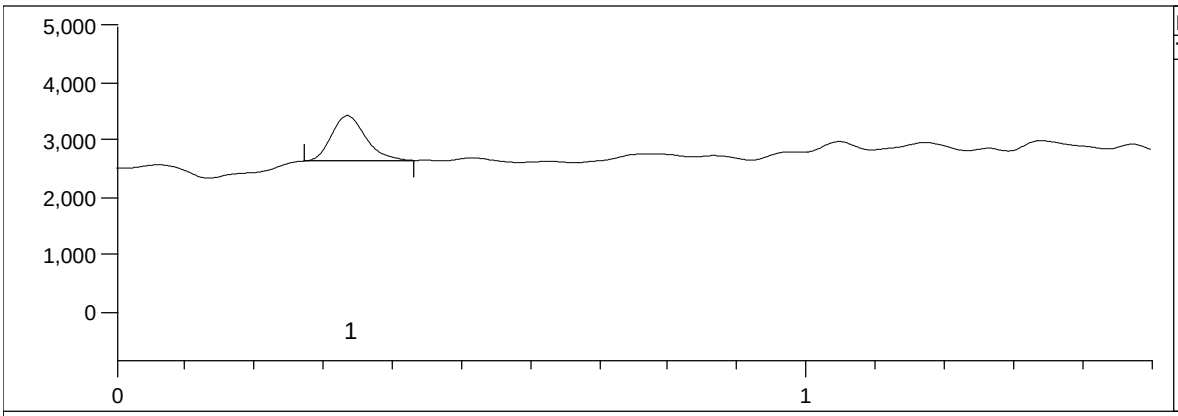
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 12:47 PM

Peak	rt	Area
1	0.34	25,695

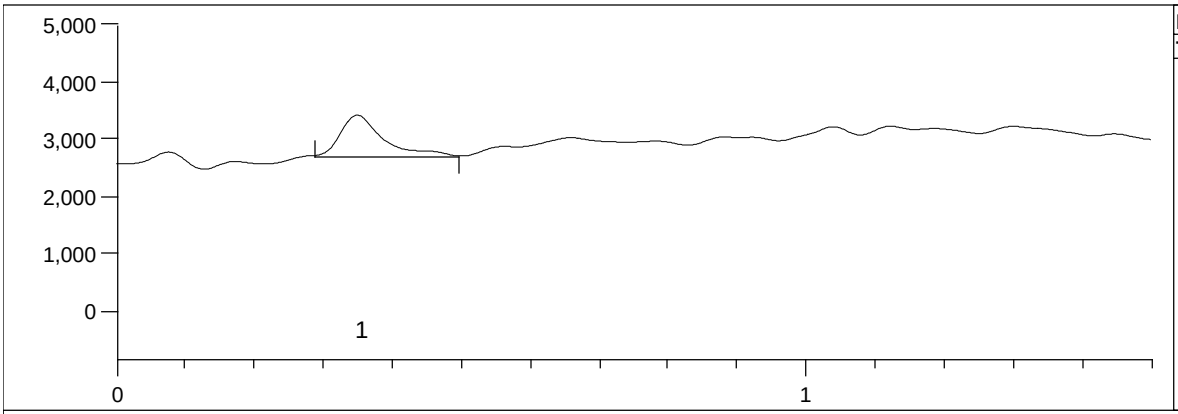
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
28		S	B140304-BLK1			0	-0.0381	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 12:52 PM

Peak	rt	Area
1	0.33	26,946

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29		S	B140304-BLK2			0	-0.0381	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 12:56 PM

Peak	rt	Area
1	0.34	29,278

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
30		S	B140304-BLK3			0	-0.0381	0.00		< HS	accept
Notes											

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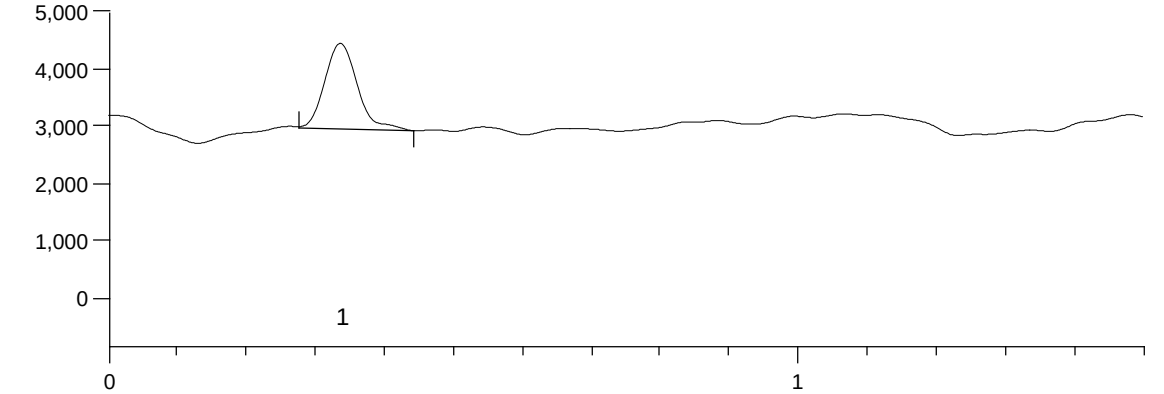
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

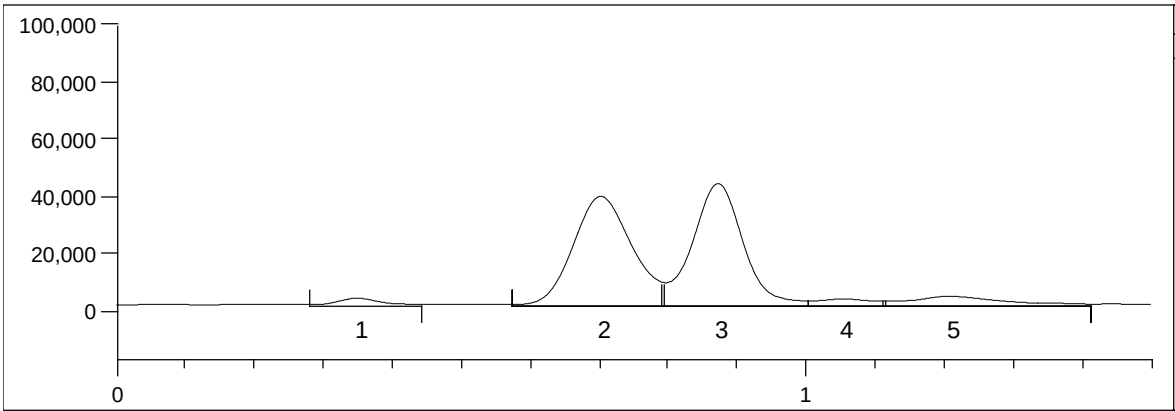
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 1:01 PM

Peak	rt	Area
1	0.33	47,889

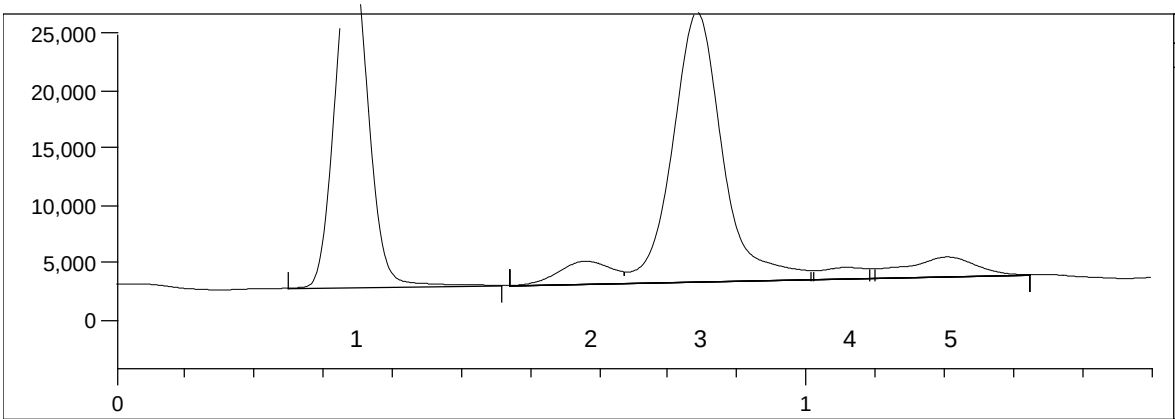
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31		S	B140304-BLK4			0	-0.0381	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 1:05 PM

Peak	rt	Area
1	0.34	77,329
2	0.70	2,215,403
3	0.87	2,110,988
4	1.05	93,975
5	1.20	216,812

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
32		S	B140304-BS1		2	2,215,403	10.4	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 1:10 PM

Peak	rt	Area
1	0.34	991,804
2	0.68	108,092
3	0.84	1,183,244
4	1.06	45,251
5	1.20	122,173

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
33		S	B140304-SRM1		2	108,092	0.471	0.00		< HS	accept
Notes											

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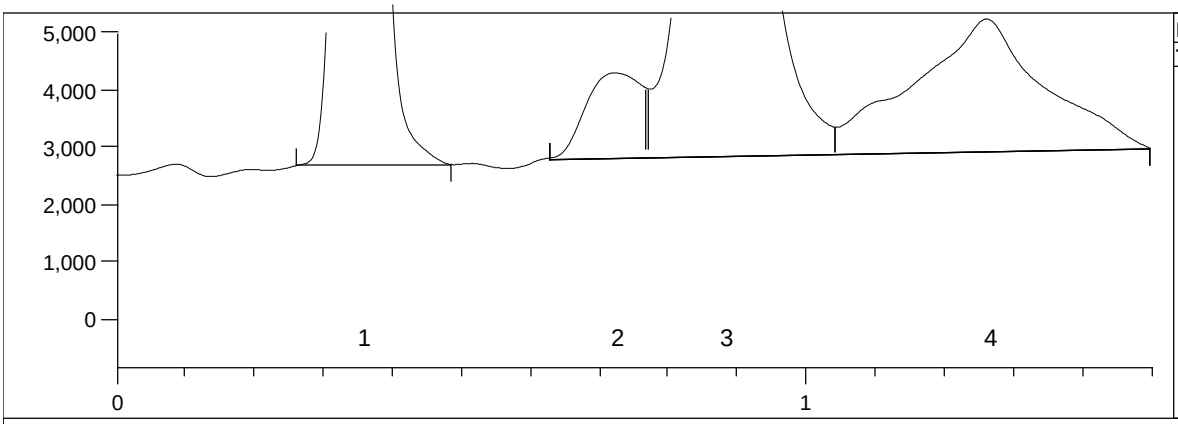
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

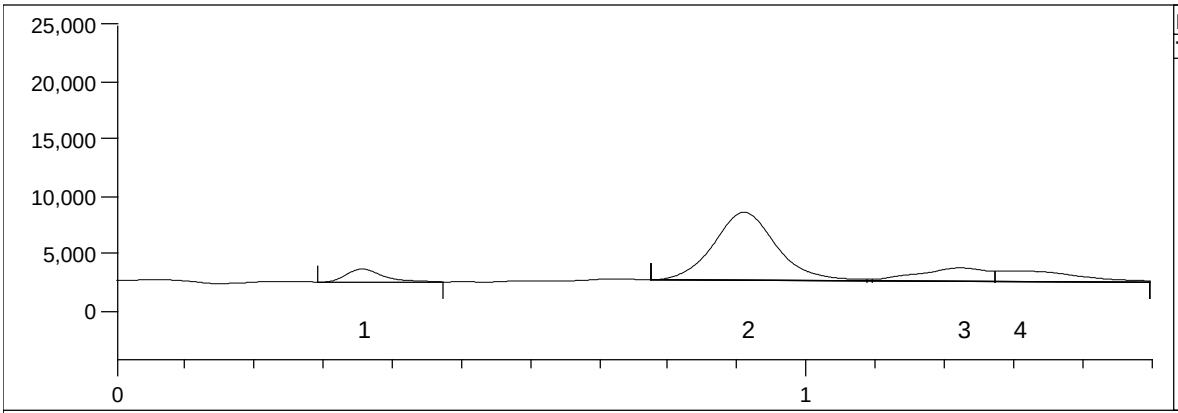
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 1:14 PM

Peak	rt	Area
1	0.35	986,246
2	0.72	82,862
3	0.88	1,321,990
4	1.26	300,941

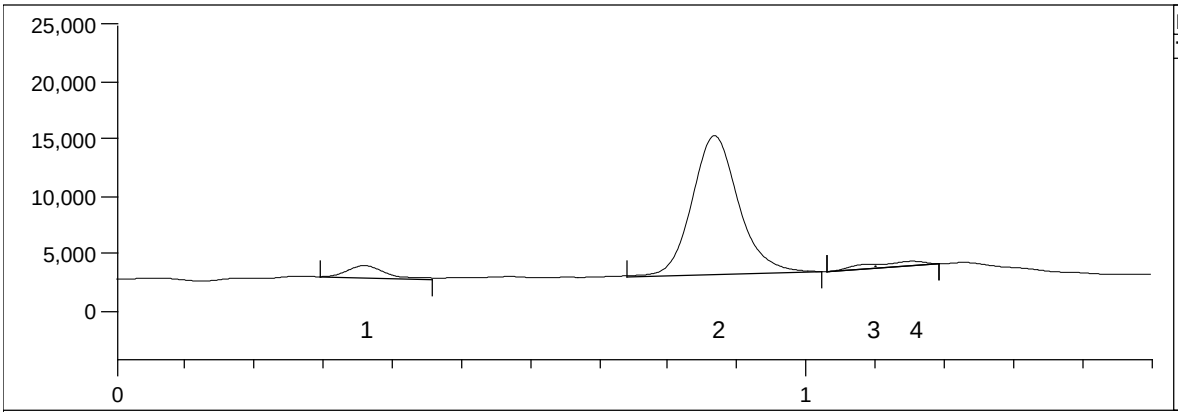
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
34		S	B140304-SRM2		2	82,862	0.352	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 1:19 PM

Peak	rt	Area
1	0.35	43,303
2	0.91	371,876
3	1.22	74,490
4	1.30	59,437

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
35		S	1408020-01			0	-0.0381	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 1:24 PM

Peak	rt	Area
1	0.36	34,434
2	0.86	561,934
3	1.09	10,340
4	1.15	15,592

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
36		S	B140304-DUP1			0	-0.0381	0.00		< HS	accept
Notes											

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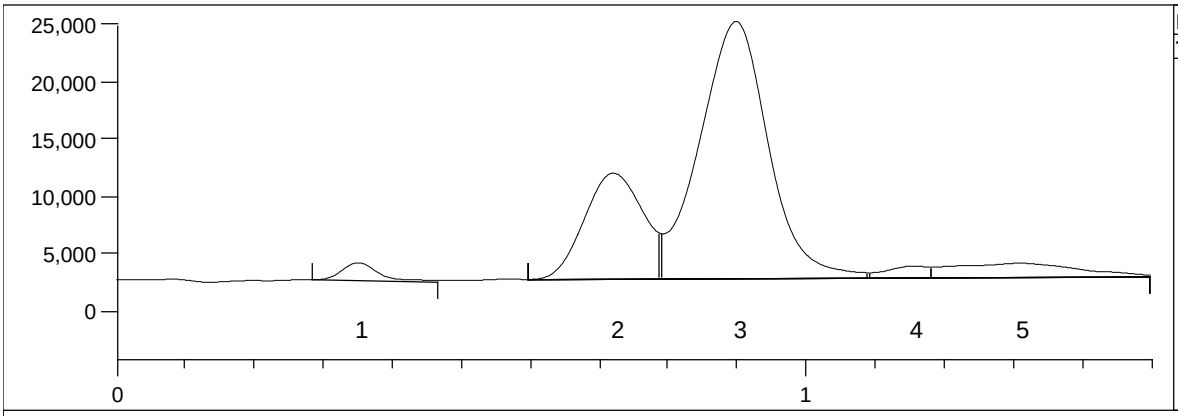
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

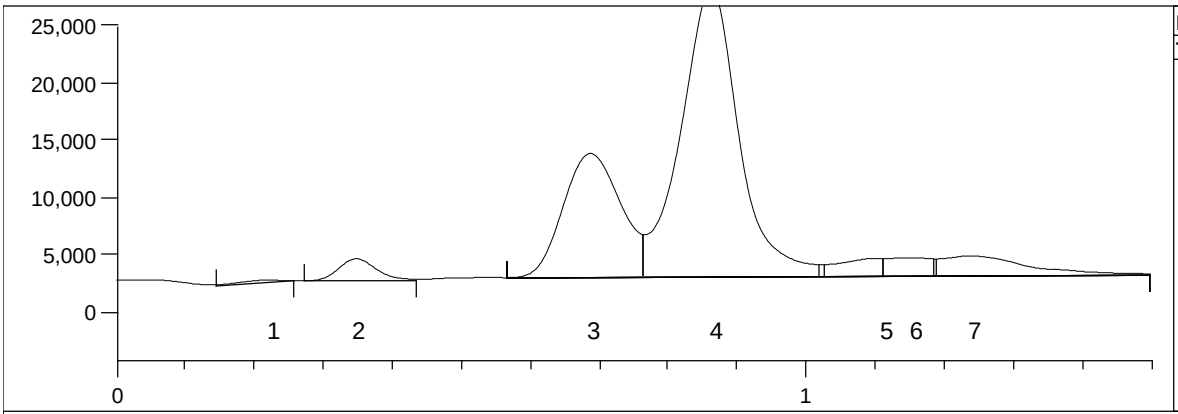
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 1:29 PM

Peak	rt	Area
1	0.35	50,860
2	0.72	554,960
3	0.90	1,542,698
4	1.15	39,984
5	1.31	136,882

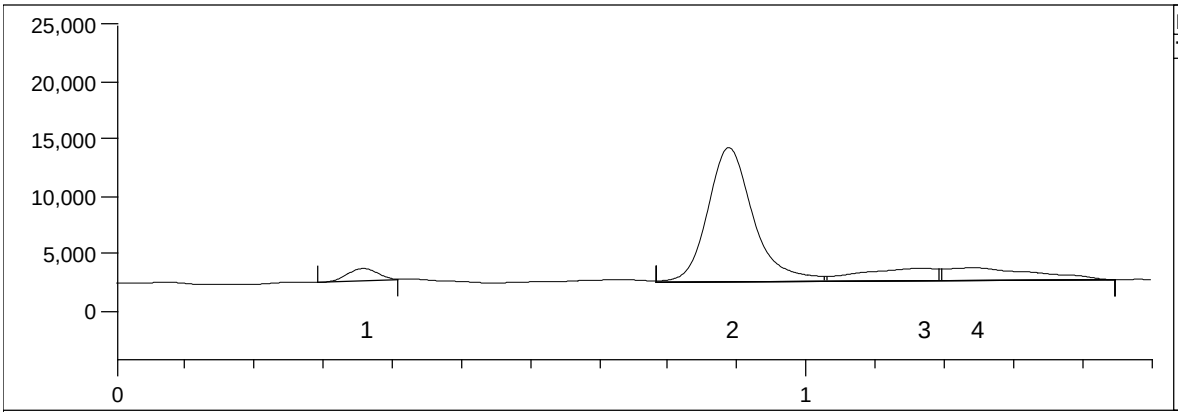
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
37		S	B140304-MS1		2	554,960	2.58	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 1:34 PM

Peak	rt	Area
1	0.22	7,355
2	0.34	68,401
3	0.68	634,110
4	0.86	1,470,593
5	1.11	67,770
6	1.15	66,254
7	1.23	138,174

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
38		S	B140304-MSD1		3	634,110	2.95	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 1:38 PM

Peak	rt	Area
1	0.35	32,640
2	0.88	526,450
3	1.16	78,292
4	1.24	96,321

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
39		S	1408020-01RE1			0	-0.0381	0.00		< HS	accept
Notes											

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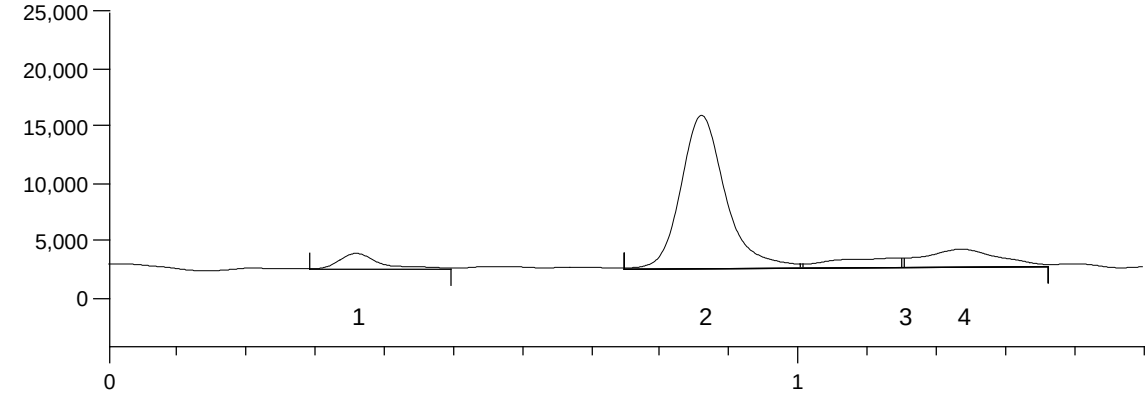
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

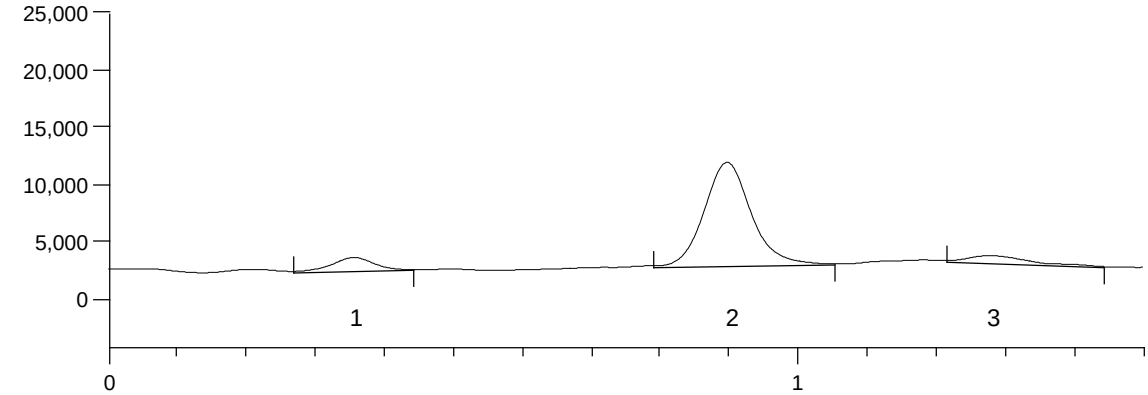
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 1:43 PM

Peak	rt	Area
1	0.36	51,724
2	0.86	587,777
3	1.15	48,587
4	1.23	97,664

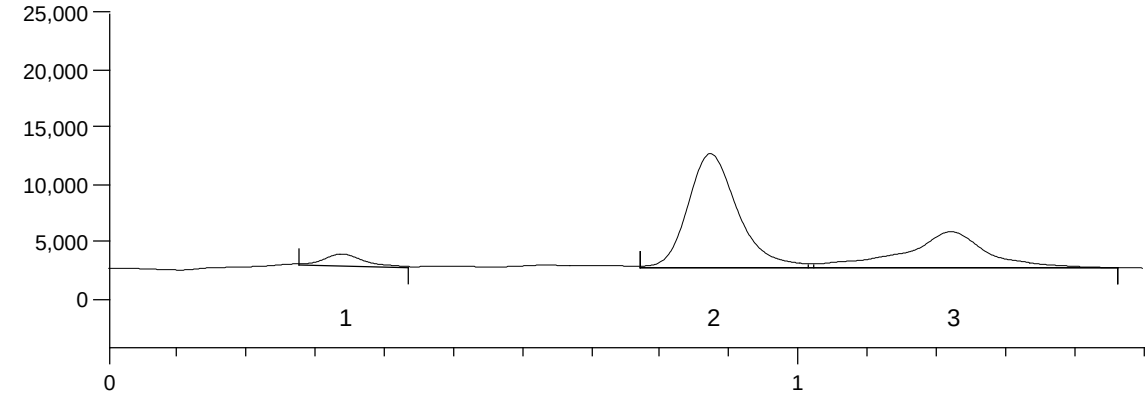
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
40		S	1408020-02			0	-0.0381	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 1:48 PM

Peak	rt	Area
1	0.35	46,082
2	0.89	420,191
3	1.27	31,443

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
41		S	1408020-03			0	-0.0381	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 1:53 PM

Peak	rt	Area
1	0.34	33,886
2	0.87	488,261
3	1.22	251,824

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
42		S	B140304-DUP4			0	-0.0381	0.00		< HS	accept
Notes											

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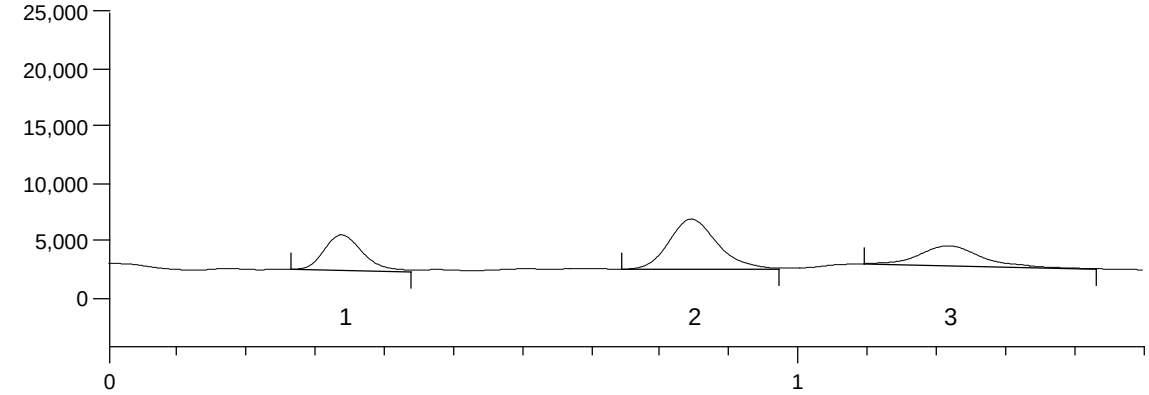
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

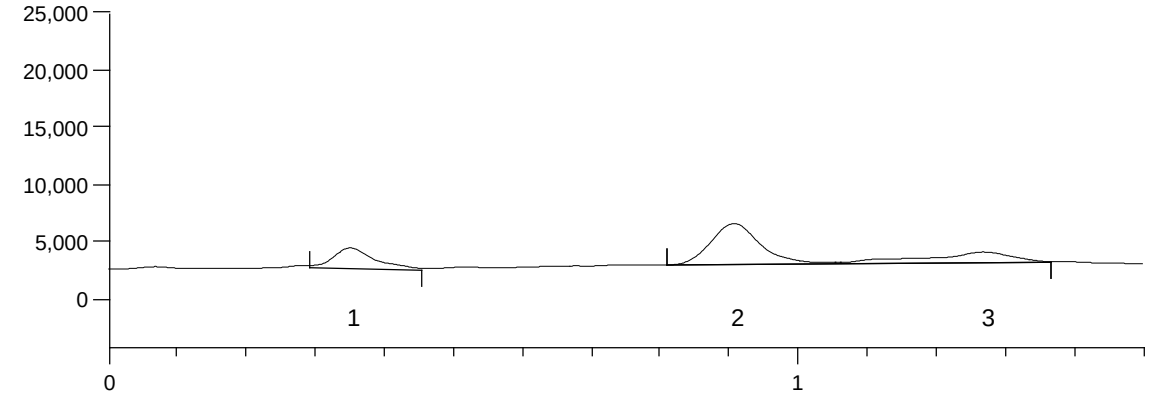
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 1:59 PM

Peak	rt	Area
1	0.33	113,175
2	0.84	209,709
3	1.21	105,595

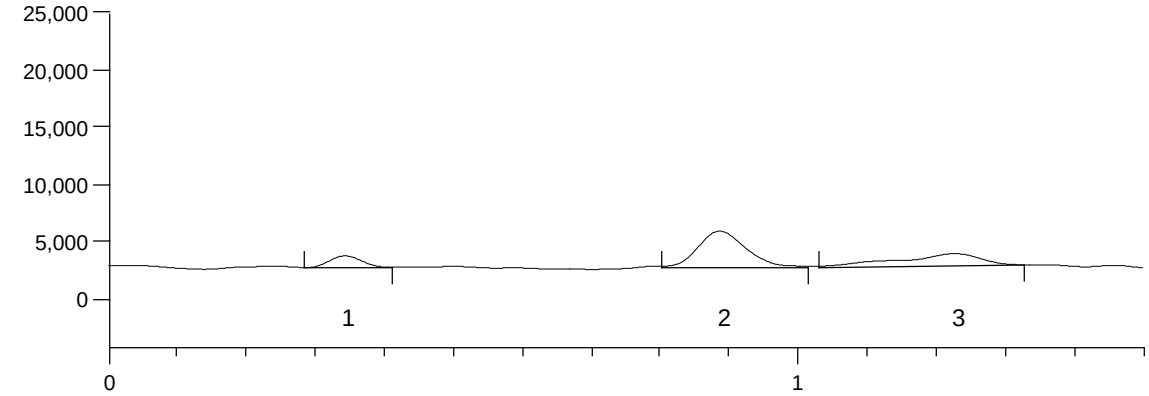
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
43		S	1408020-04			0	-0.0381	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 2:04 PM

Peak	rt	Area
1	0.35	60,173
2	0.90	180,330
3	1.26	79,422

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
44		S	1408020-05			0	-0.0381	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 2:09 PM

Peak	rt	Area
1	0.34	31,888
2	0.88	141,356
3	1.22	79,006

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
45		S	1408020-06			0	-0.0381	0.00		< HS	accept
Notes											

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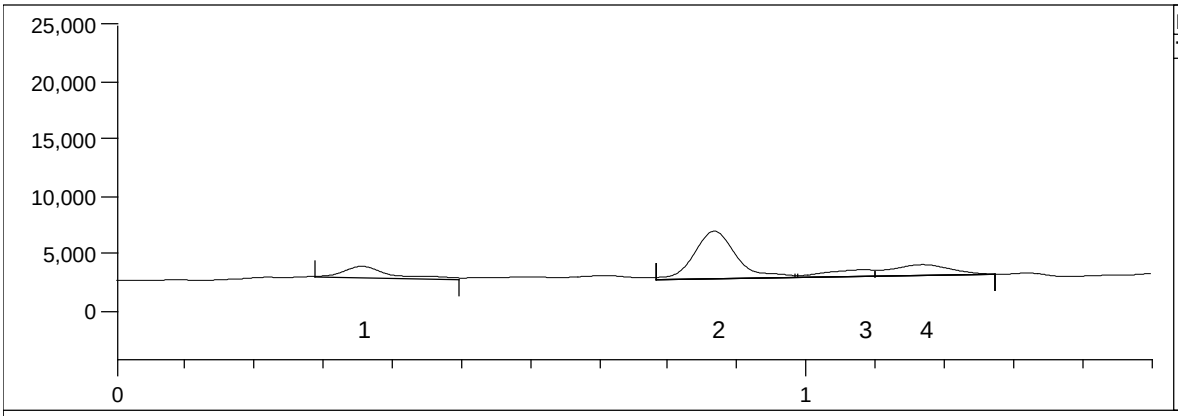
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

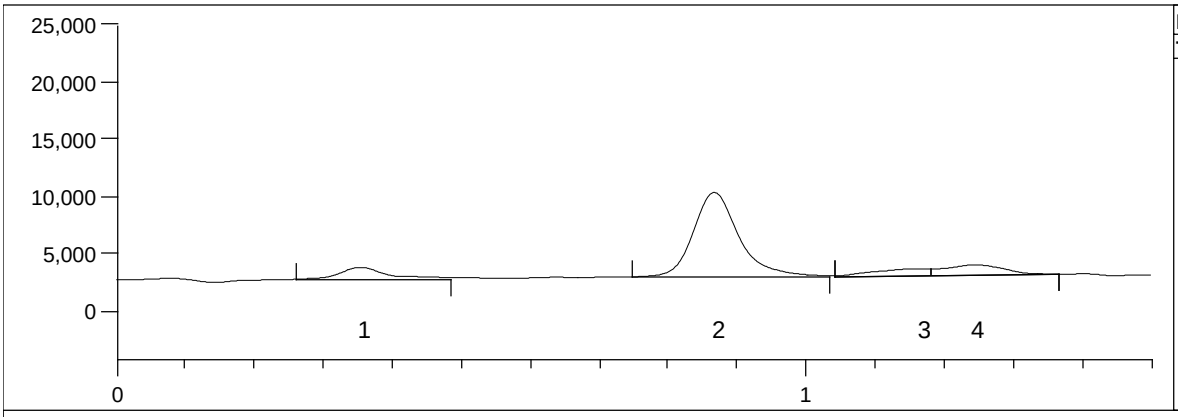
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 2:13 PM

Peak	rt	Area
1	0.35	35,424
2	0.86	158,985
3	1.08	23,918
4	1.16	52,767

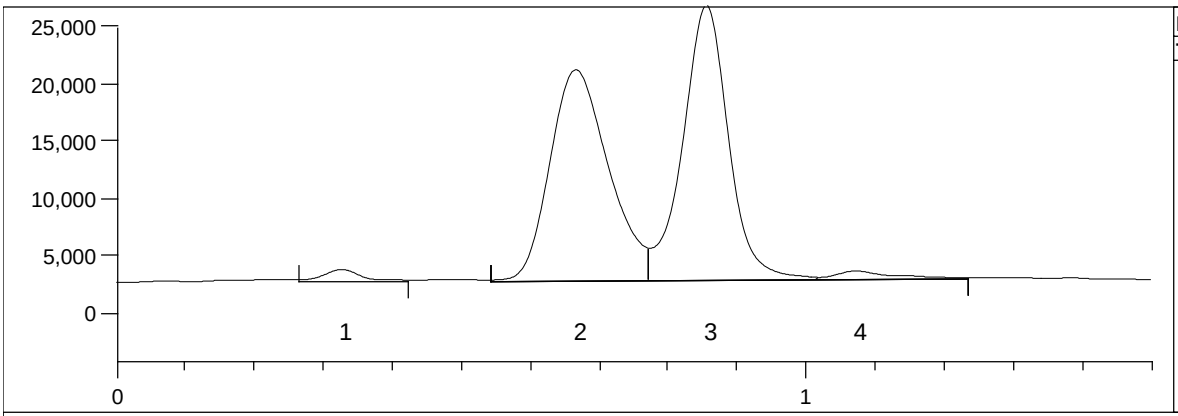
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
46		S	1408020-07			0	-0.0381	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 2:18 PM

Peak	rt	Area
1	0.35	40,634
2	0.86	334,651
3	1.16	31,397
4	1.24	51,119

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
47		S	1408020-08			0	-0.0381	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 2:22 PM

Peak	rt	Area
1	0.32	28,440
2	0.66	1,084,386
3	0.85	1,093,082
4	1.07	31,827

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
48		OPR	SEQ-CCV		2	1,084,386	5.07		101	80-120	accept
Notes											

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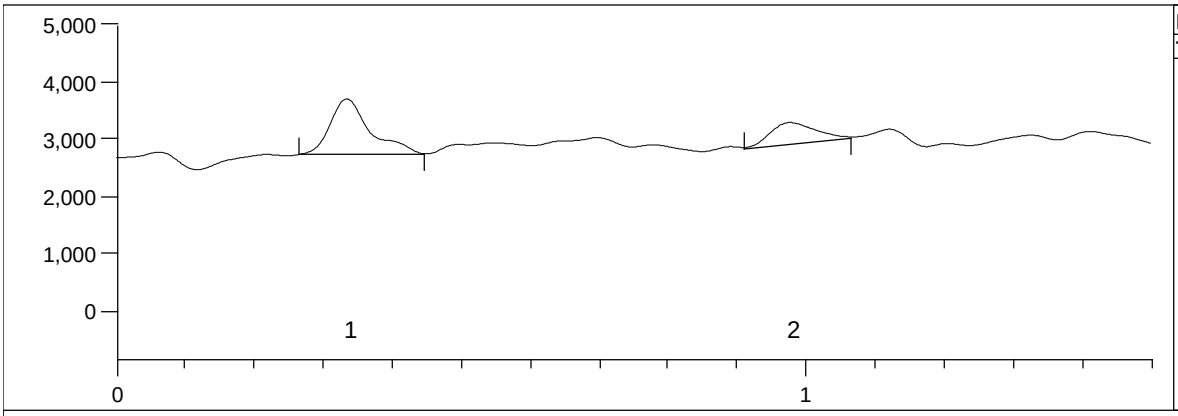
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

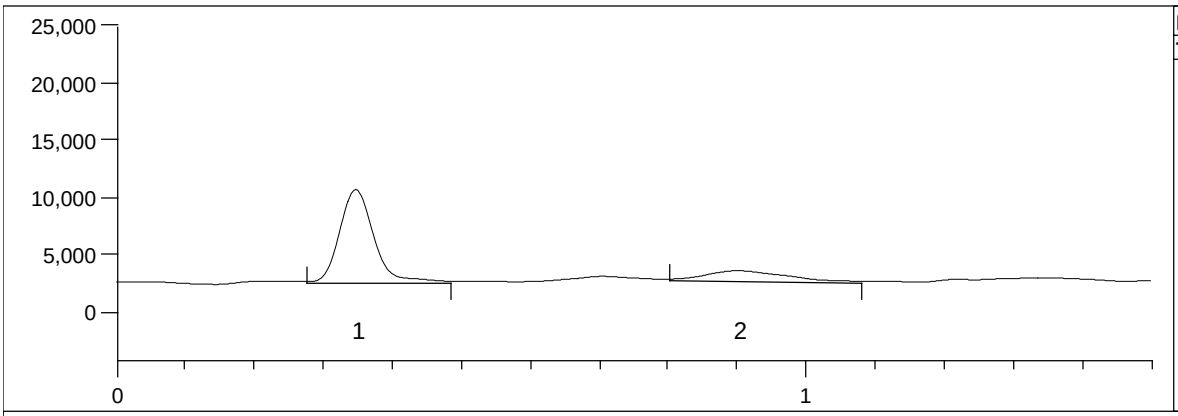
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 2:27 PM

Peak	rt	Area
1	0.33	38,363
2	0.97	15,576

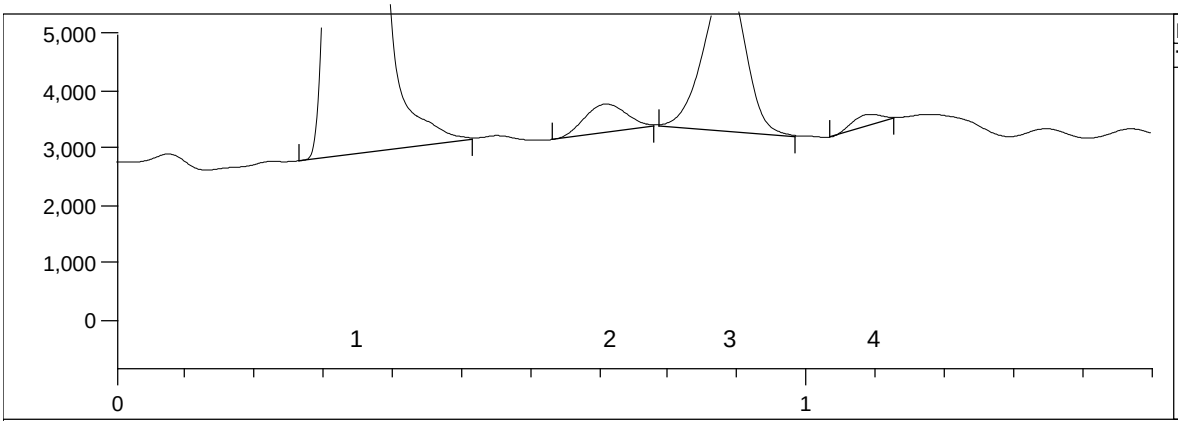
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
49		CCB	SEQ-CCB			0	0.00		0.00	< 0.4	accept
Notes											



Date: 3/6/14
Time: 2:31 PM

Peak	rt	Area
1	0.34	266,070
2	0.90	57,518

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
50		S	1408020-09			0	-0.0381	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 2:36 PM

Peak	rt	Area
1	0.34	1,302,517
2	0.71	20,433
3	0.88	109,551
4	1.09	5,949

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
51		S	1408020-10		2	20,433	0.0581	0.00		< HS	accept
Notes											

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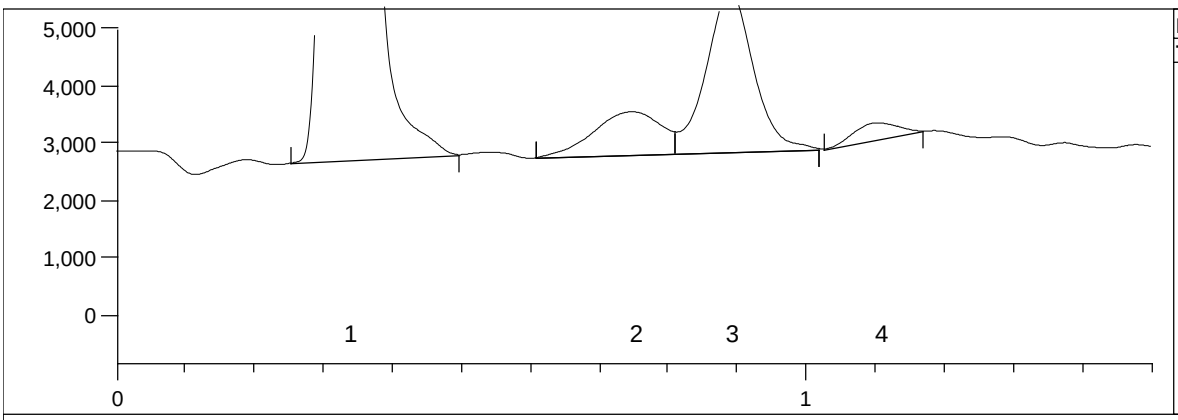
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

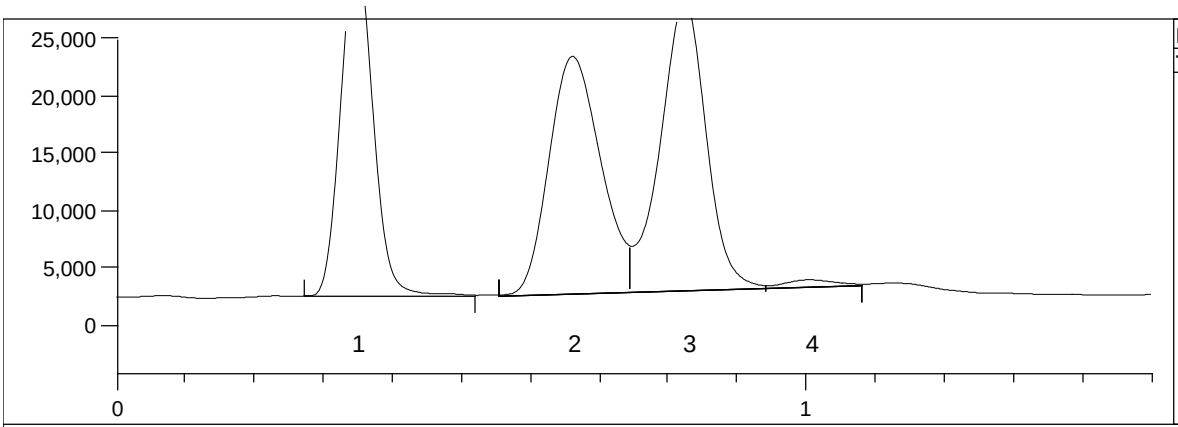
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 2:40 PM

Peak	rt	Area
1	0.33	1,337,035
2	0.74	50,994
3	0.88	132,652
4	1.10	13,048

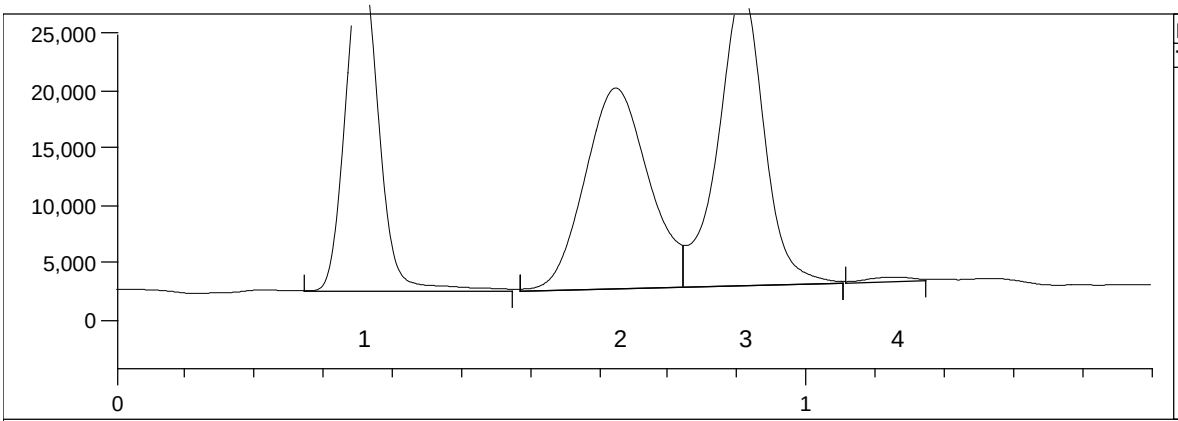
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
52		S	B140304-DUP2		2	50,994	0.202	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 2:45 PM

Peak	rt	Area
1	0.34	975,666
2	0.66	1,082,895
3	0.82	1,152,774
4	1.00	23,780

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
53		S	B140304-MS2		2	1,082,895	5.06	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 2:49 PM

Peak	rt	Area
1	0.35	959,422
2	0.72	1,113,584
3	0.90	1,177,738
4	1.12	11,338

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
54		S	B140304-MSD2		2	1,113,584	5.21	0.00		< HS	accept
Notes											

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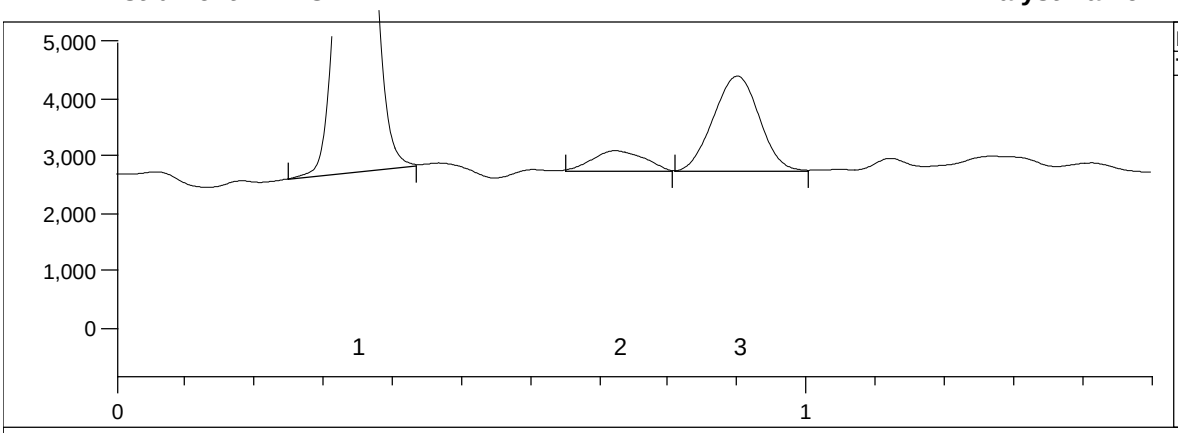
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

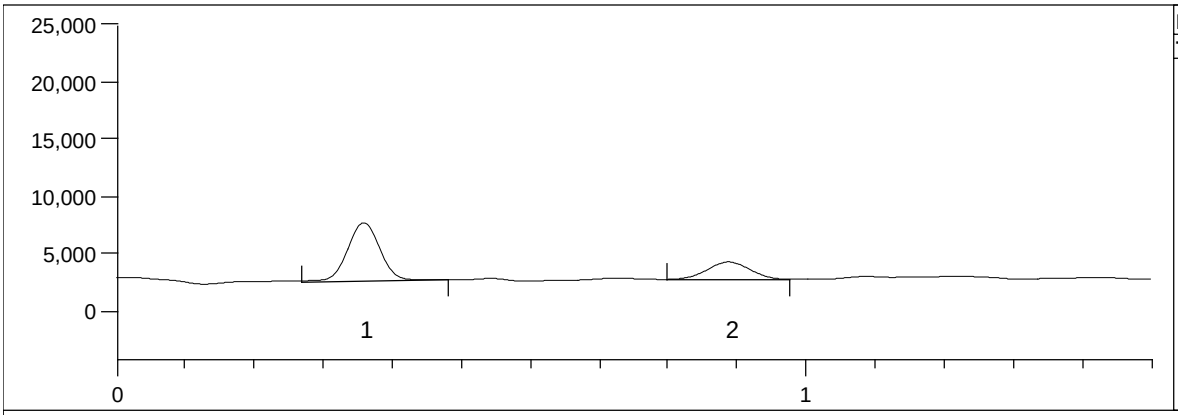
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 2:54 PM

Peak	rt	Area
1	0.34	316,627
2	0.72	17,042
3	0.90	75,915

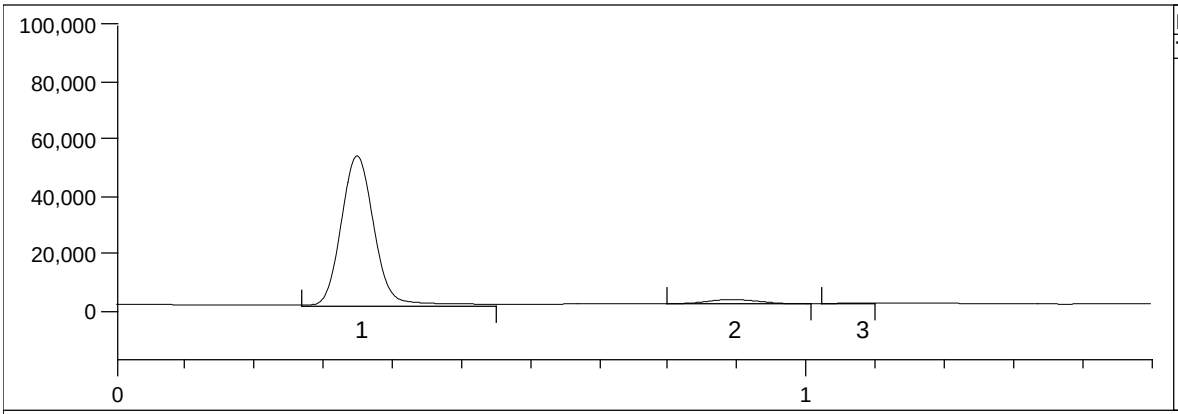
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
55		S	1408020-11		2	17,042	0.0422	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 2:59 PM

Peak	rt	Area
1	0.36	161,562
2	0.88	64,430

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
56		S	1408020-12			0	-0.0381	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 3:03 PM

Peak	rt	Area
1	0.34	1,692,708
2	0.89	74,669
3	1.07	4,482

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
57		S	1408020-13			0	-0.0381	0.00		< HS	accept
Notes											

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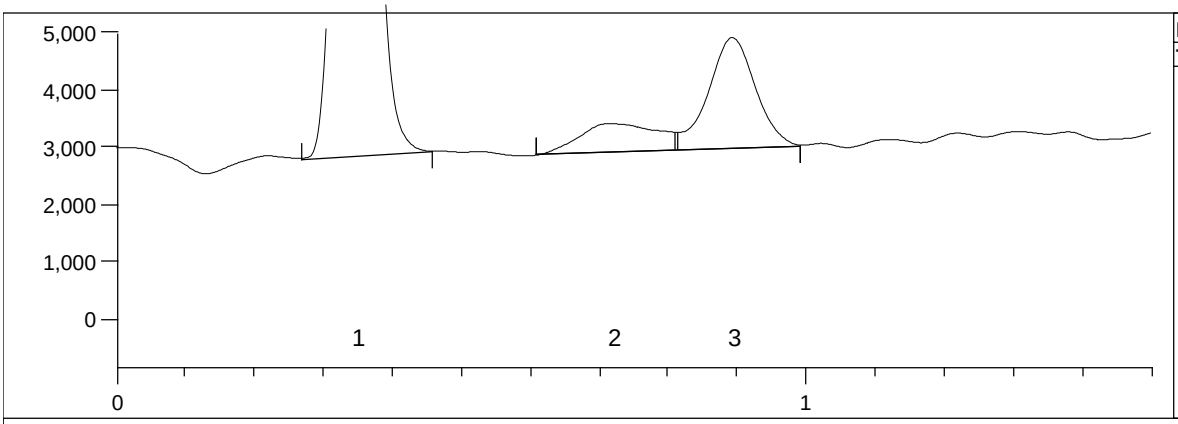
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

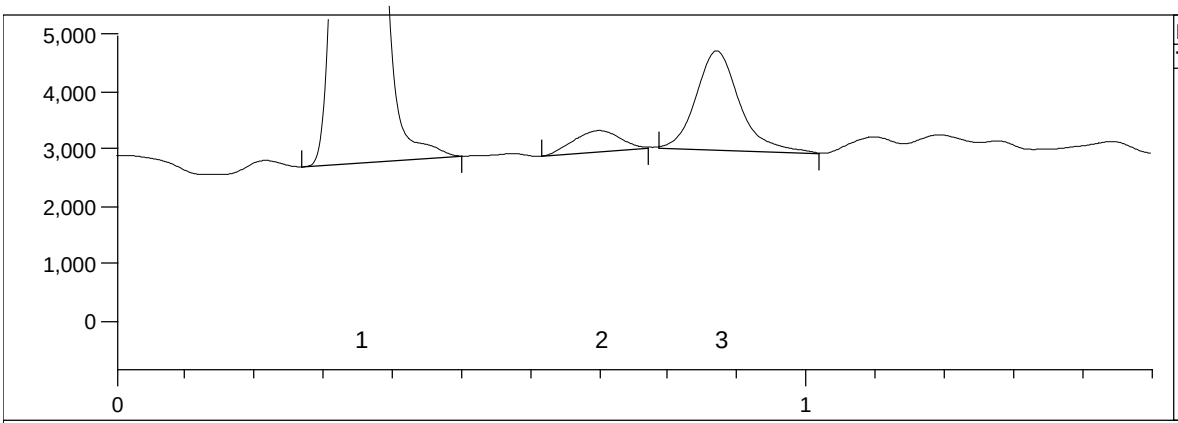
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 3:08 PM

Peak	rt	Area
1	0.34	592,905
2	0.71	39,619
3	0.89	90,537

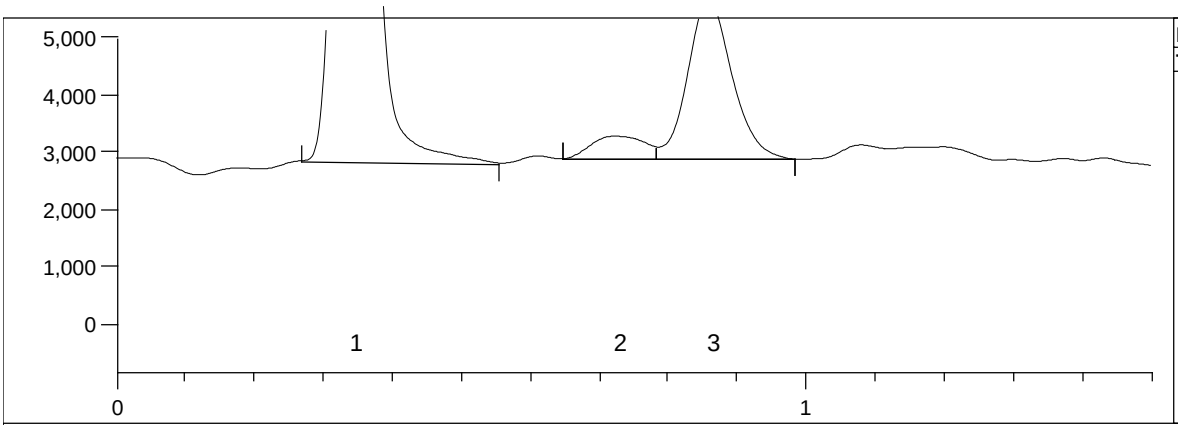
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
58		S	1408020-14		2	39,619	0.149	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 3:12 PM

Peak	rt	Area
1	0.35	790,028
2	0.70	17,122
3	0.87	73,731

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
59		S	1408020-15		2	17,122	0.0425	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 3:17 PM

Peak	rt	Area
1	0.34	576,101
2	0.72	21,486
3	0.86	124,491

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
60		S	1408020-16		2	21,486	0.0631	0.00		< HS	accept
Notes											

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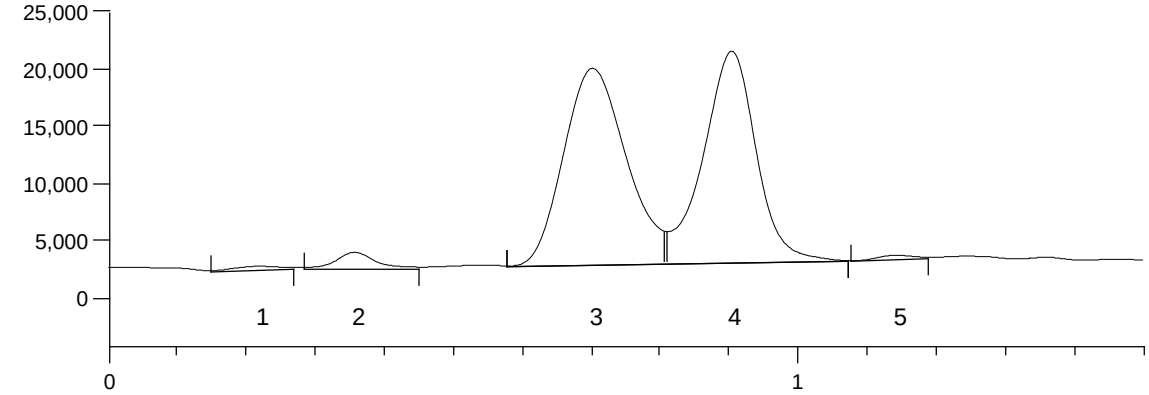
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

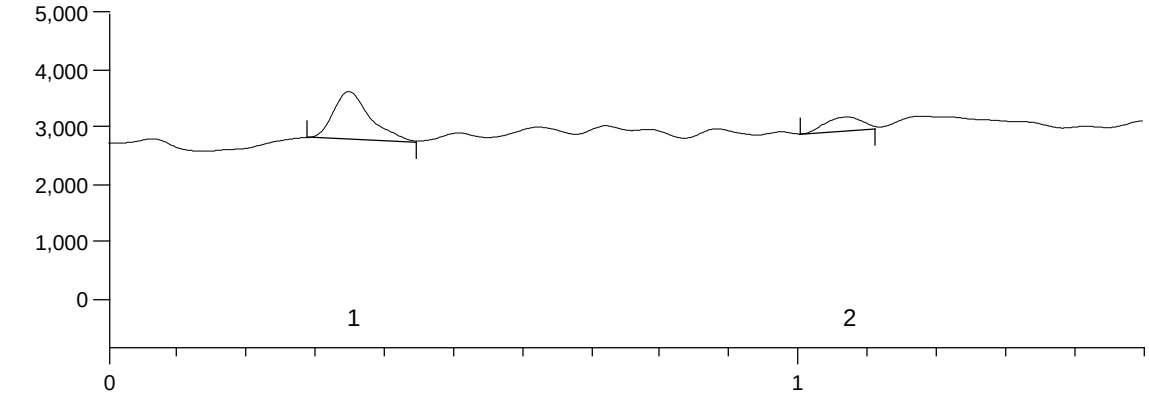
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 3:21 PM

Peak	rt	Area
1	0.22	9,258
2	0.35	44,271
3	0.70	1,089,601
4	0.90	985,652
5	1.14	10,682

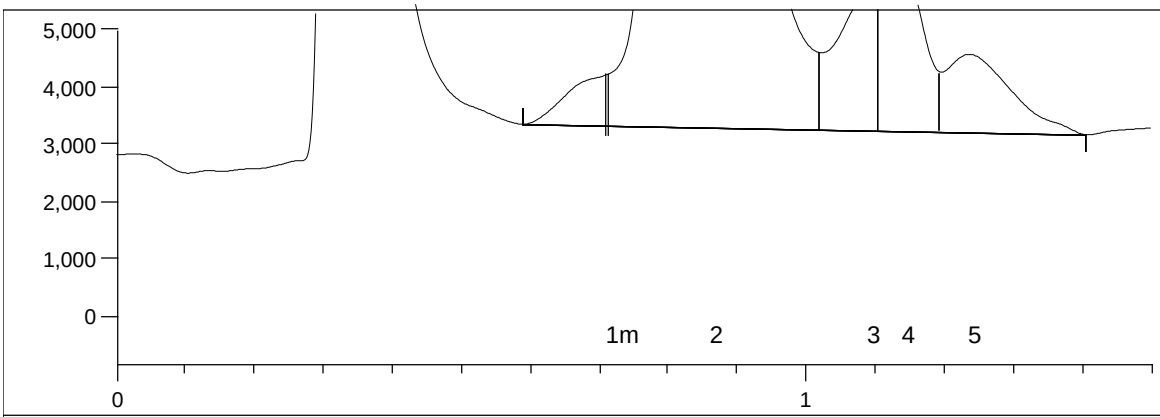
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
61		OPR	SEQ-CCV		3	1,089,601	5.10		102	80-120	accept
Notes											



Date: 3/6/14
Time: 3:25 PM

Peak	rt	Area
1	0.34	29,764
2	1.07	8,299

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
62		CCB	SEQ-CCB			0	0.00		0.00	< 0.4	accept
Notes											



Date: 3/6/14
Time: 3:30 PM

Peak	rt	Area
1m	0.71	36,303
2	0.86	4,435,531
3	1.09	100,452
4	1.14	113,658
5	1.23	88,697

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
63		S	1408020-17		1m	36,303	0.133	0.00		< HS	accept
Notes											

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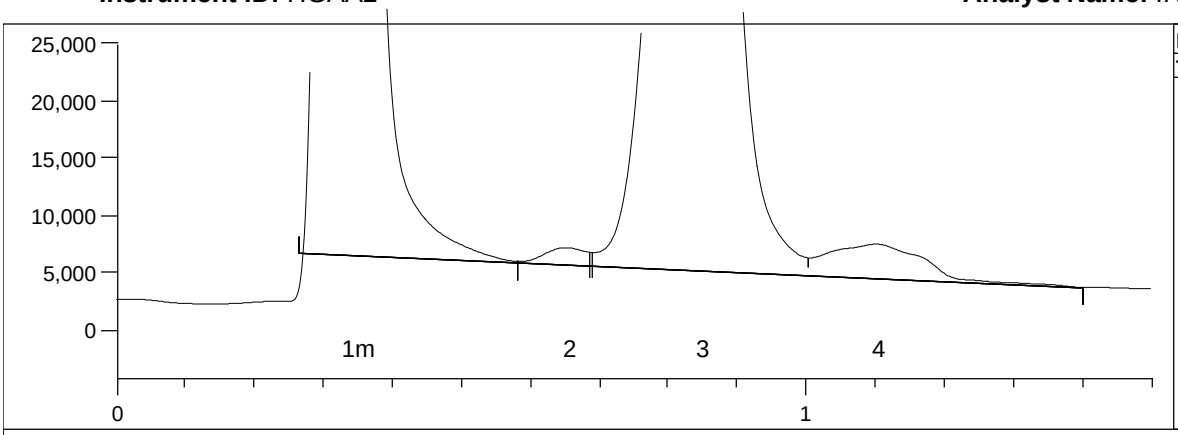
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

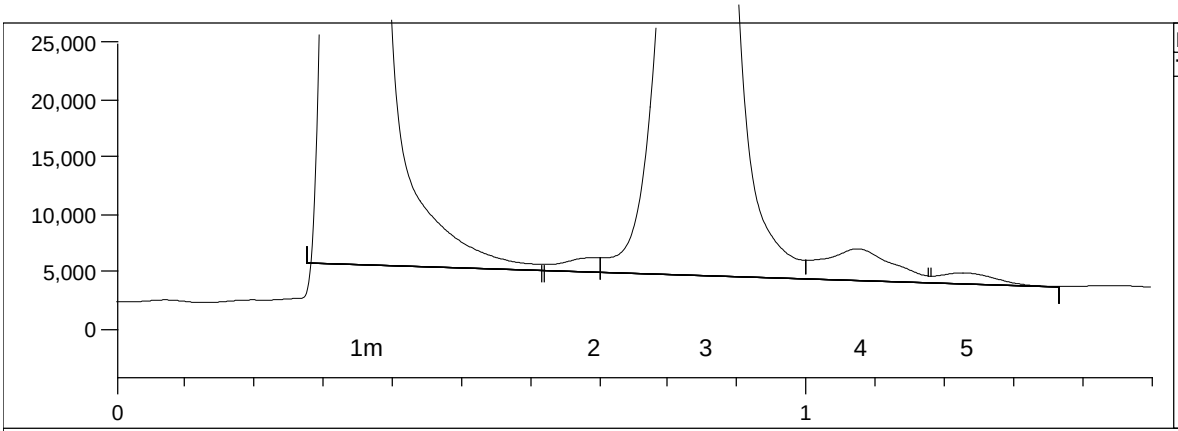
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 3:34 PM

Peak	rt	Area
1m	0.33	10,926,950
2	0.65	63,833
3	0.84	6,299,231
4	1.10	280,253

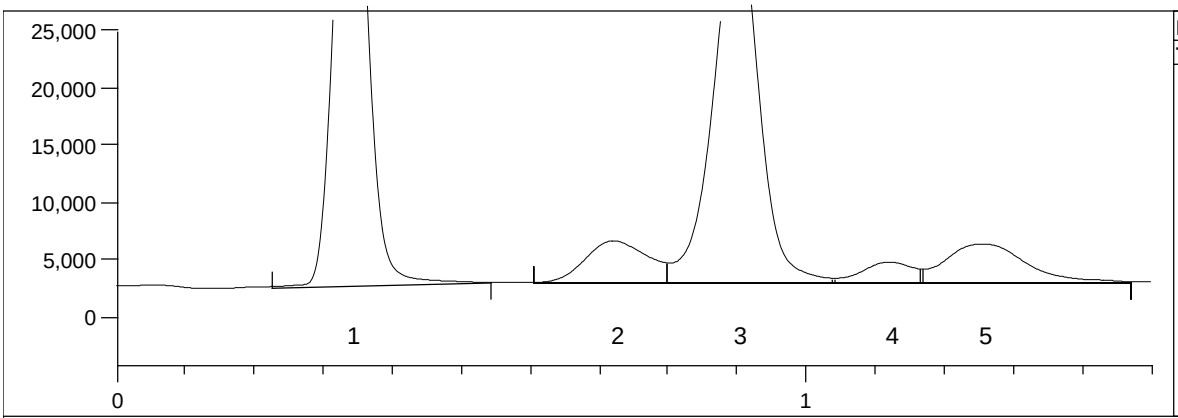
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
64		S	1408020-18		2	63,833	0.263	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 3:39 PM

Peak	rt	Area
1m	0.34	9,807,276
2	0.68	39,899
3	0.84	5,335,545
4	1.07	184,591
5	1.22	47,493

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
65		S	1408020-19		2	39,899	0.150	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 3:44 PM

Peak	rt	Area
1	0.34	1,561,686
2	0.72	229,864
3	0.90	1,462,199
4	1.12	90,606
5	1.25	261,490

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
66		S	1408020-20		2	229,864	1.04	0.00		< HS	accept
Notes											

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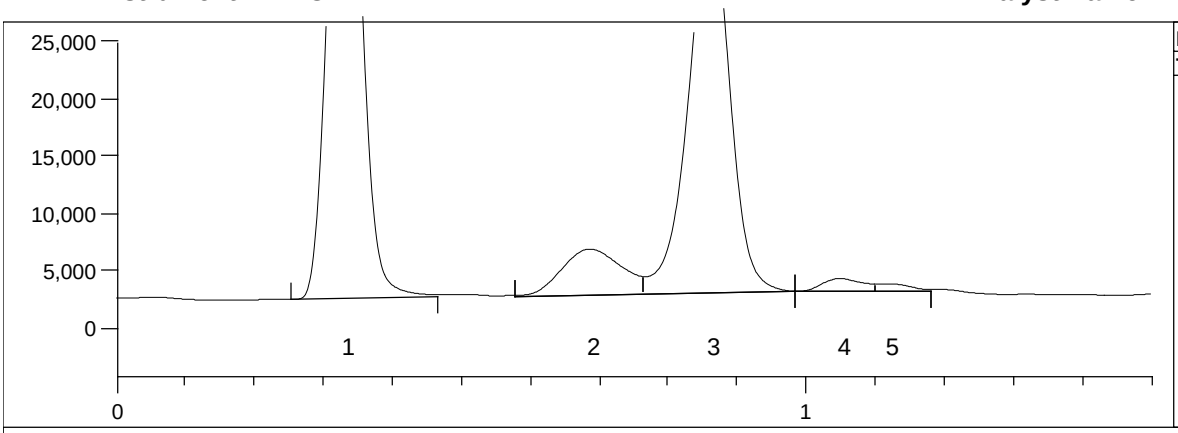
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

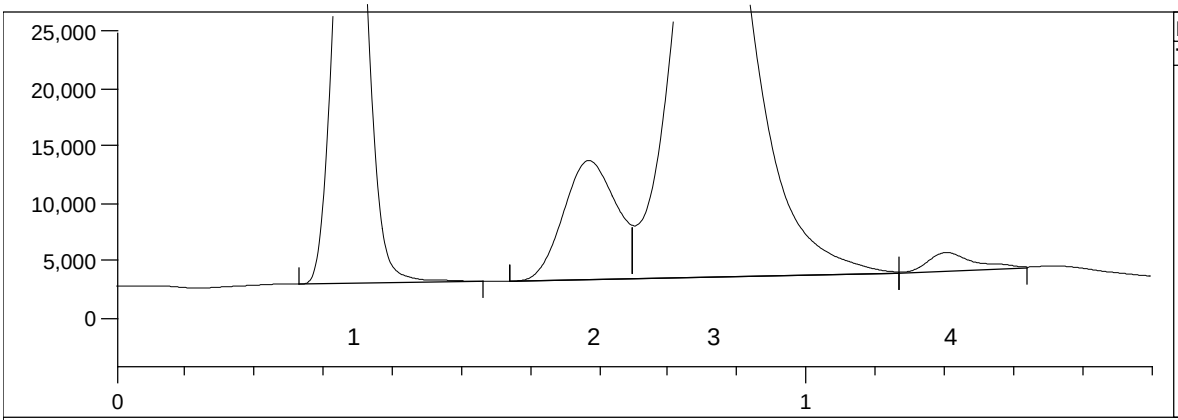
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 3:48 PM

Peak	rt	Area
1	0.33	1,739,511
2	0.68	238,551
3	0.86	1,387,101
4	1.04	44,574
5	1.12	16,062

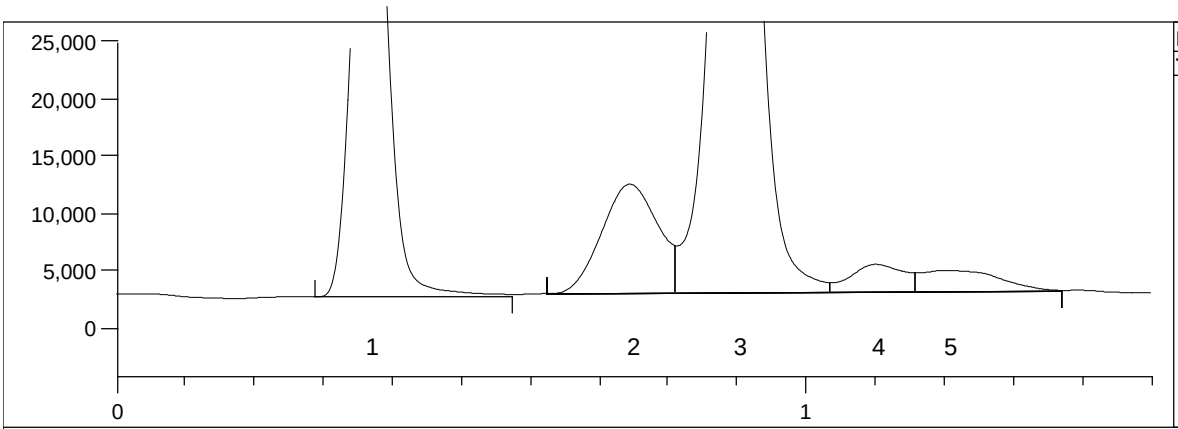
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
67		S	B140304-DUP3		2	238,551	1.09	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 3:53 PM

Peak	rt	Area
1	0.34	1,546,453
2	0.68	561,478
3	0.86	3,479,583
4	1.20	68,398

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
68		S	B140304-MS3		2	561,478	2.61	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 3:58 PM

Peak	rt	Area
1	0.36	1,680,269
2	0.74	546,728
3	0.89	3,186,257
4	1.10	131,572
5	1.20	138,549

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
69		S	B140304-MSD3		2	546,728	2.54	0.00		< HS	accept
Notes											

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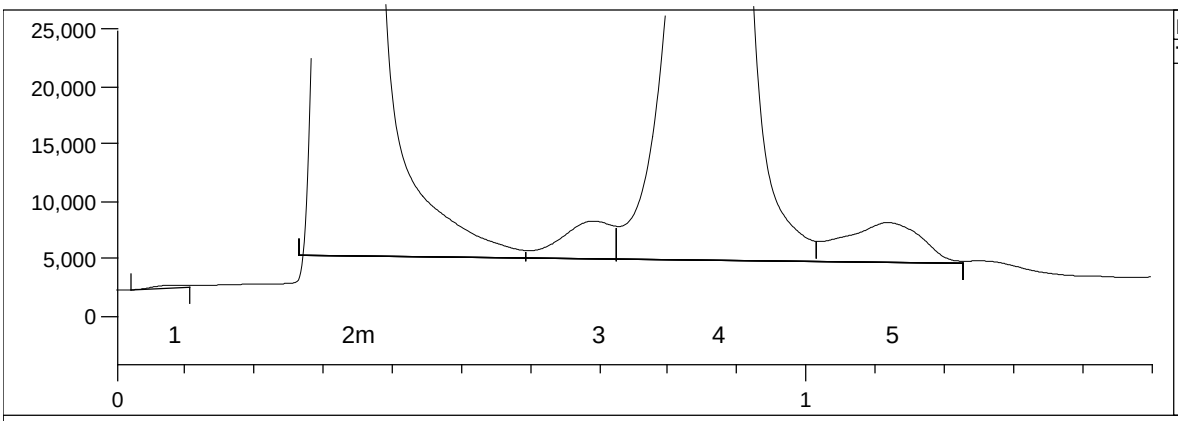
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

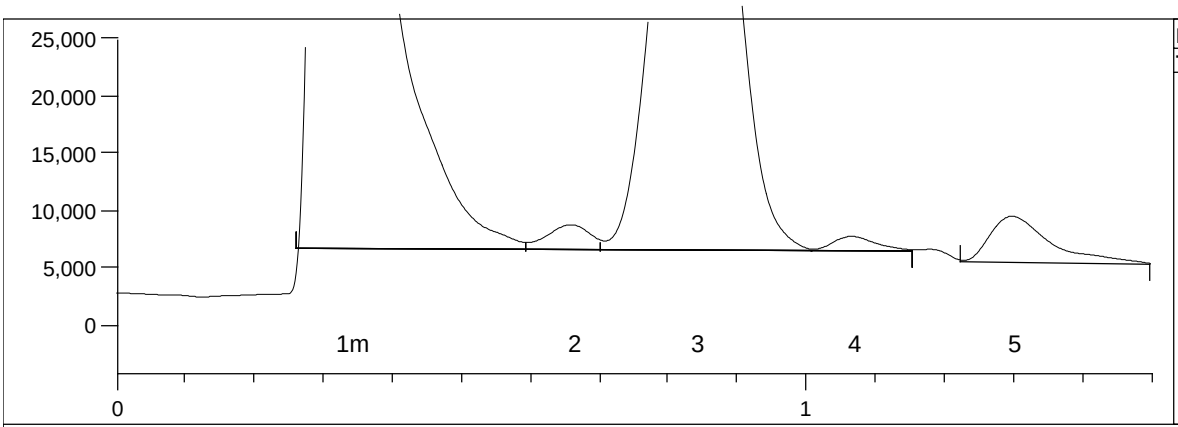
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 4:02 PM

Peak	rt	Area
1	0.08	4,573
2m	0.33	10,263,330
3	0.69	167,367
4	0.86	5,892,220
5	1.12	247,720

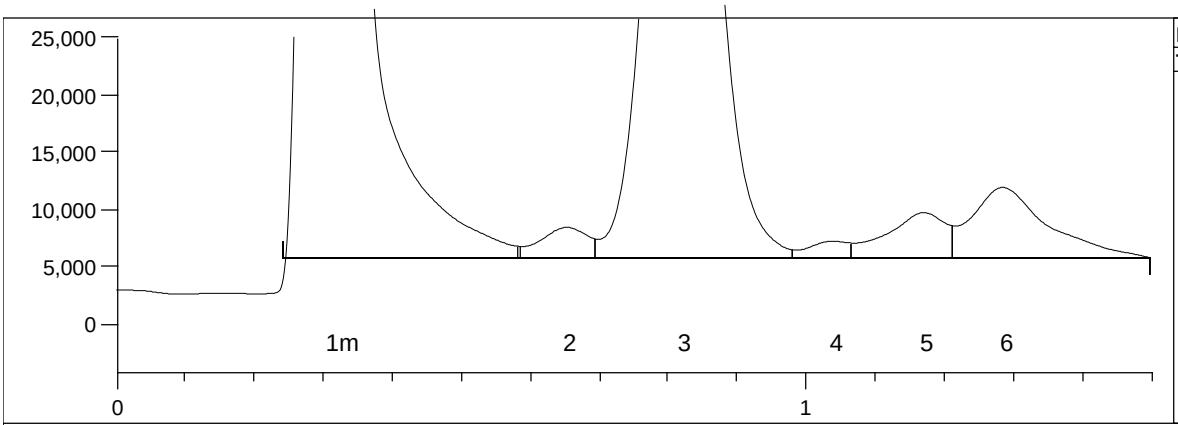
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
70		S	1408020-21		3	167,367	0.750	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 4:07 PM

Peak	rt	Area
1m	0.32	11,799,101
2	0.66	90,204
3	0.83	3,995,711
4	1.06	46,243
5	1.30	237,524

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
71		S	1408020-22		2	90,204	0.387	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 4:12 PM

Peak	rt	Area
1m	0.30	11,346,260
2	0.65	125,067
3	0.81	4,144,161
4	1.04	59,382
5	1.17	236,644
6	1.28	469,580

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
72		S	1408020-23		2	125,067	0.551	0.00		< HS	accept
Notes											

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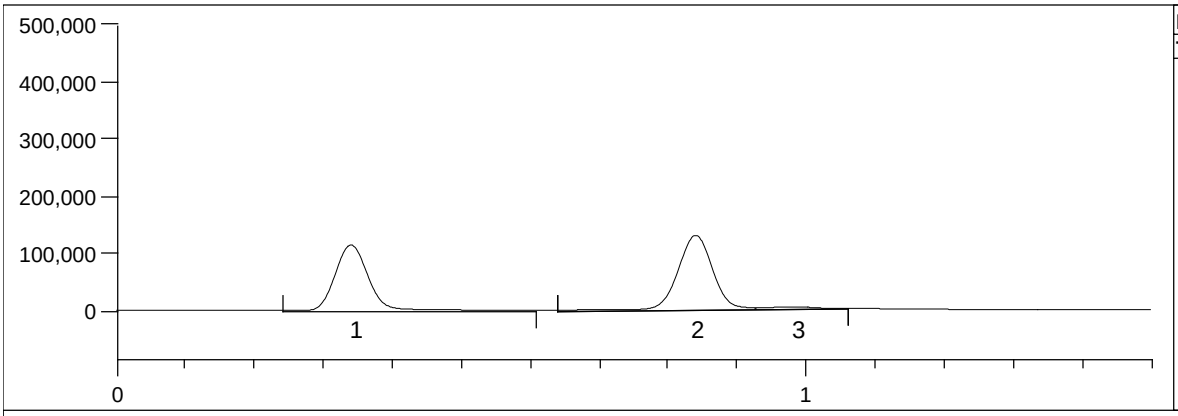
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400183
Instrument ID: HGAA2

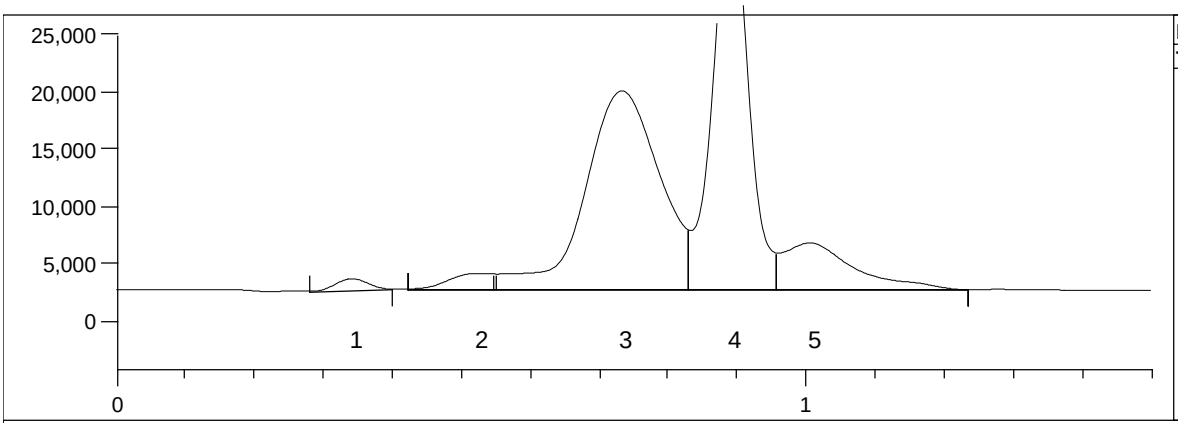
Date Analyzed: 3/6/14
Analyst Name: IRJ



Date: 3/6/14
Time: 4:17 PM

Peak	rt	Area
1	0.34	3,774,703
2	0.84	4,473,571
3	0.98	178,155

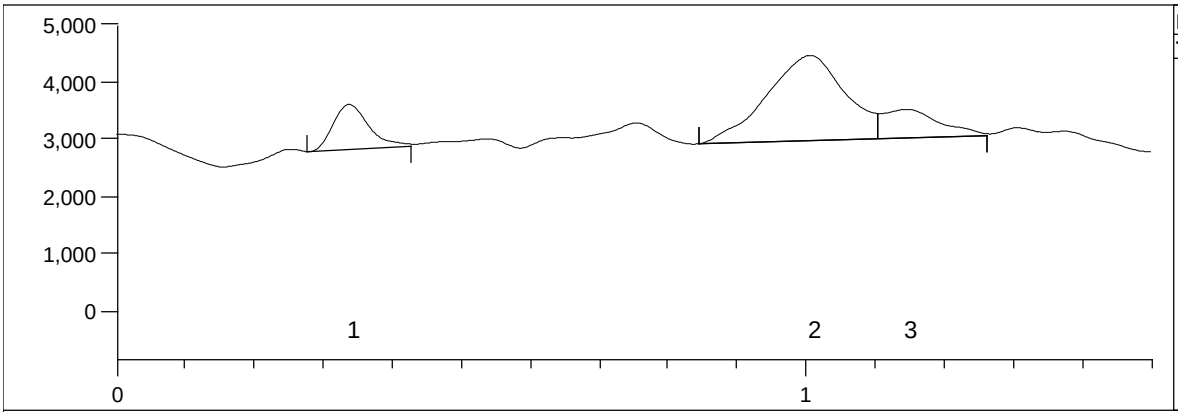
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
73		S	1408020-24			0	-0.0381	0.00		< HS	accept
Notes											



Date: 3/6/14
Time: 4:21 PM

Peak	rt	Area
1	0.34	32,533
2	0.52	61,561
3	0.73	1,313,170
4	0.89	1,238,941
5	1.00	290,262

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
74		OPR	SEQ-CCV		3	1,313,170	6.15		123	80-120	reject
Notes											



Date: 3/6/14
Time: 4:31 PM

Peak	rt	Area
1	0.33	27,234
2	1.00	117,492
3	1.14	25,552

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
75		CCB	SEQ-CCB			0	0.00		0.00	< 0.4	accept
Notes											

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ANALYSIS SEQUENCE

1400193

Brooks Rand Labs

Instrument: HGAAS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400193-IBL1	1400193	QC	1		-			
1400193-IBL2	1400193	QC	2		-			
1400193-IBL3	1400193	QC	3		-			
1400193-CAL1	1400193	QC	4	1410066	-			
1400193-CAL2	1400193	QC	5	1410067	-			
1400193-CAL3	1400193	QC	6	1410068	-			
1400193-CAL4	1400193	QC	7	1410069	-			
1400193-CAL5	1400193	QC	8	1410070	-			
1400193-CAL6	1400193	QC	9	1410071	-			
1400193-CAL7	1400193	QC	10	1410066	-			
1400193-CAL8	1400193	QC	11	1410066	-			
1400193-ICV1	1400193	QC	12	1410040	-			
1400193-ICV2	1400193	QC	13	1410041	-			
1400193-CCV1	1400193	QC	14	1410039	-			
1400193-CCB1	1400193	QC	15		-			
B140304-BS2	B140304	QC	16		-			
B140304-SRM3	B140304	QC	17		-			
B140304-SRM4	B140304	QC	18		-			
1408020-17RE1	B140304	MMAs-B-HClExt-HGAAS	19			ARD-MV1302	3/14/2014	Added 3/12/2014 by IRJ
1408020-18RE1	B140304	MMAs-B-HClExt-HGAAS	20			ARD-MV1302	3/14/2014	Added 3/12/2014 by IRJ
1408020-19RE1	B140304	MMAs-B-HClExt-HGAAS	21			ARD-MV1302	3/14/2014	Added 3/12/2014 by IRJ
1408020-20RE1	B140304	MMAs-B-HClExt-HGAAS	22			ARD-MV1302	3/14/2014	Added 3/12/2014 by IRJ
B140304-DUP5	B140304	QC	23		1408020-20RE1			
B140304-MS4	B140304	QC	24		1408020-20RE1			
B140304-MSD4	B140304	QC	25		1408020-20RE1			
1408020-21RE1	B140304	MMAs-B-HClExt-HGAAS	26			ARD-MV1302	3/14/2014	Added 3/12/2014 by IRJ

ANALYSIS SEQUENCE

1400193

Brooks Rand Labs

Instrument: HGAAS-2

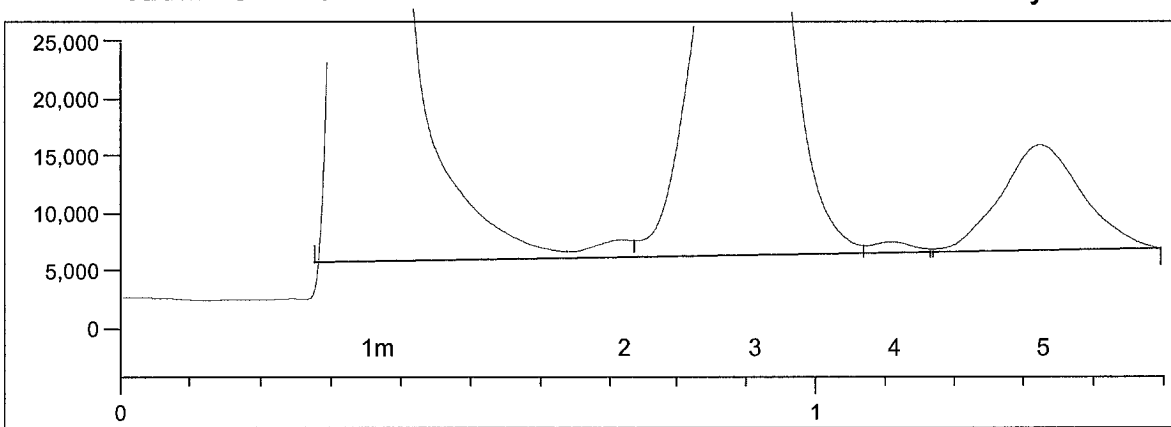
Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-22RE1	B140304	MMAs-B-HClExt-HGAAS	27			ARD-MV1302	3/14/2014	Added 3/12/2014 by IRJ
1408020-23RE1	B140304	MMAs-B-HClExt-HGAAS	28			ARD-MV1302	3/14/2014	Added 3/12/2014 by IRJ
1408020-24RE1	B140304	MMAs-B-HClExt-HGAAS	29			ARD-MV1302	3/14/2014	Added 3/12/2014 by IRJ
1400193-CCV2	1400193	QC	30	1410039	-			
1400193-CCB2	1400193	QC	31		-			

Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400193
Instrument ID: HGAA2

Date Analyzed: 3/10/14
Analyst Name: IRJ



Date: 3/10/14
Time: 2:26 PM

Peak	rt	Area
1m	0.34	12,049,686
2	0.72	65,002
3	0.90	3,925,614
4	1.10	40,845
5	1.32	757,003

CMC 3/26/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29		S	1408020-23RE1		2	65,002	0.307	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

Sequence: 1400192/193 (DMA | MMA)	Batch(es): 8140303/304	Matrix: Biota
Analyst: IRJ	Date: 03-10-14	Pump purge time: 2:30
Cal. blank (average): 0.00 ng/L	Cal. coefficient: 0.00444/0.00475	RSD: 13.1 %/6.21 %
Method blank (average): see seq. 182/183	Noise: 2459	Trap(s) #: 51
Cal. Std. 10ng/mL: 141 0036	ICV Std. 100ng/mL: 141 0037/0038	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. -failed 135% rejected
6	-CAL2	0.100		
7	-CAL3	0.200		
8	-CAL4	1.00		
9	-CAL5	2.00		
10	-CAL6	3.00		
11	-CAL7	0.050		-pass 110%
12	-CAL8	↓		-pass 105% confirms CAL7
13	-ICV1	0.050		100ng/mL MMA ICV
14	-ICV2	↓		↓ DMA ICV
15	-CCV1	0.500		10ng/mL Cal.
16	-CCB1	-		
17	B140~~337~~303/304-BS2 IRJ 3-10-14	2.00		(same as BS1)
18	-SRM3			(same as SRM1)
19	-SRM4			(same as SRM2)
20	1408020-17 REI			
21	-18 REI			
22	-19 REI	↓		
23	-20 REI	0.500		
24	B140303/304. Dup5	↓		native: 1408020-20 REI (same as Dup3)

ml ↓

Comments: _____

As(In) ☐ As(III) ☐ MMA ☑ DMA ☑ Analysis Sheet

Sequence: 1401192/193 Batch: B140303/304 Analyst: IRJ Date: 03-10-14

	Run #	Sample ID	Analyzed Volume (mL)	Dilution Factor	Analysis comments / For QC: Source sample, standard ID, and spiked amount
	25	B140303/304 - MS4	0.500		native: 1408020-20 REI (same as MS3/D3)
	26	↓ -MSD4	↓		↓ ↓
m1	27	1408020-21 REI	2.00		
m2	28	- 22 REI			
m2	29	- 23 REI			
	30	↓ - 24 REI	↓		
	31	SEQ-CCV	0.500		10ng/mL Cal.
	32	↓ -CCB	-		

IRJ 03-10-14

Comments: _____

Total As / Total Se / As Species (Inorg, III, MMA/DMA) (circle)

Methods BR-0020 Rev _____ (HGAAS) & BR-0021 Rev 004b Mod. of EPA 1632 (HGAAS) - circle

Matrix: Water / Sediment / Biota / Other _____ (circle one)

Batch #(s): B140301, 302, 303, 304 Preparation Start Date/Time*: 03-03-14 / 1550 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
1408020-01 QC1	0.5299	
1408020-02	0.5000	
1408020-03	0.5626	
1408020-04	0.5100	
1408020-05	0.5514	
1408020-06	0.5309	
1408020-07	0.5230	
1408020-08	0.5795	
1408020-09	0.5259	
1408020-10 QC2	0.5247	
1408020-11	0.5473	
1408020-12	0.5426	
1408020-13	0.5336	
1408020-14	0.5094	
1408020-15	0.4972	
1408020-16	0.4941	
1408020-17	0.5270	
1408020-18	0.5231	
1408020-19	0.5241	
1408020-20	0.5710	
1408020-21	0.5967	
1408020-22	0.5039	
1408020-23	0.5763	
1408020-24	0.5255	

Sample ID	Sample Mass / Volume (g) / (mL)	Notes
B140301/302-BS1	-	
B140302-BS2	-	
B140303/304-BS1	-	
~~B140301/302-DUP1~~	0.5479	All batches
B140301/302-DUP2	0.5426	↓
~~B140301/302-DUP3~~	0.5239	↓
B140301/302-MS1	0.5100	
B140301/302-MS2	0.5075	
B140301/302-MS3	0.5225	
B140301/302-MSD1	0.5459	
B140301/302-MSD2	0.4996	
B140301/302-MSD3	0.5637	
B140303/304-MS1	0.5060	
B140303/304-MS2	0.5343	
B140303/304-MS3	0.5128	
B140303/304-MSD1	0.5531	
B140303/304-MSD2	0.5106	
B140303/304-MSD3	0.5530	
SRM1	0.2071	
SRM2	0.2082	
BLK1	-	
BLK2	-	
BLK3	-	
BLK4	-	

IRJ 03-3-14

Batch QC ID	Sample Source	Spike Added (mL)	Spike Concentration (ug/mL)	Spike ID	Spike Witness Initials/Date
B140301/302-BS1	-	0.500	0.10	141000 2	3/3/14 [illegible]
B140302-BS2	-	↓	↓	141000 6	
B140301/302-MS/MSD1	1408020-01	0.500	0.10	↓	
B140301/302-MS/MSD2	↓ -10	0.250	↓	↓	
B140301/302-MS/MSD3	↓ -20	0.050	10	141000 5	

Reagents Added (ID/Amount Added)
2M HCl (1409005 / 10mL)

Target Digestion Temperature = 75-85 °C

Measured Temperature*, Time On / Time Off, Date
82 (81) °C / 1610 / 03-03-14
- 16 hour timer

Thermometer ID: BL-10

* Both measured and corrected temperatures must be recorded

Final Volume of Preparation: 10 mL
Volume of Prep Subsampled:
Dilution Media: IRJ 03-03-14
Final Dilution Volume:

CRM, Matrix, Certified Values
SRM1/2: Nist 1568b (Rice Flour): 1337024

Comments: Sample aliquots massed on 02-27-14 by IRJ then stored in the walk-in freezer until prep. date.

Total As / Total Se / As Species In/III/MMA/DMA **(circle)**

Methods BR-0020 Rev _____ (HGAAS) & BR-0021 Rev 004b **Mod. of EPA 1632 (HGAAS) - circle**

Matrix: Water / Sediment / (Biota) / Other_____ (circle one)

Batch #(s): B140303/304

Page 2 of 2

Prepared By: JRJ

Preparation Start Date/Time*: 03/03/14 - 1550

* Time is when the first reagents are added.

Balance ID: BL-08

Preparation End Date/Time**: 03/03/14 - 1605

** Time is when the last sample is brought upto volume or when last reagent is added if it does not need to be brought upto vlume.

Batch QC ID	Source	MMA Spike Added(mL)/Conc.	DMA Spike Added(mL)/Conc.	Spike ID (MMA/DMA)
BS1	–	0.500 / 0.10 µg/mL	0.500 / 0.10 µg/mL	1410037/1410038
MS/MSD1	1408020-01	0.25 / 0.10 µg/mL	0.250 / ↓	↓
MS/MSD2	↓ -10	↓ / ↓	↓ / ↓	↓
MS/MSD3	↓ -20	0.25 / 0.10 µg/mL	0.020 / 10 µg/mL	1410037 / 1410035

3/3/14 CLE
Witness/Date

Target Digestion Temperature = 75-85°C

Reagents Added (ID/Amount Added)
2 MHCl (1409005/10mL)

Measured Temperature*, Time On / Time Off, Date
See pg. 1 JRJ 3-7-14

Thermometer ID: _____

* Both measured and corrected temperatures must be recorded

Final Volume of Preparation: 10mL
Volume of Prep Subsampled: _____
Dilution Media: _____
Final Dilution Volume: _____

JRJ 03-03-14

CRM, Matrix, Certified Values
Same as pg. 1

Comments:

Sample ID	Sample Mass (g)
1409005-01	0.2012
1409034-01	0.2108
1409004-01	0.2056
1409011-01	0.2019
1409012-01	0.2022
1408032-01	0.2045

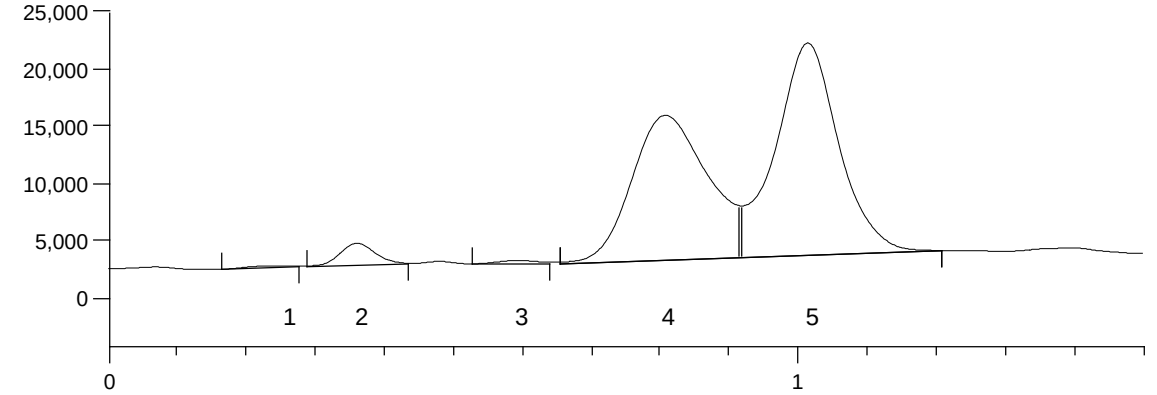
JRJ 03-03-14

Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400193
Instrument ID: HGAA2

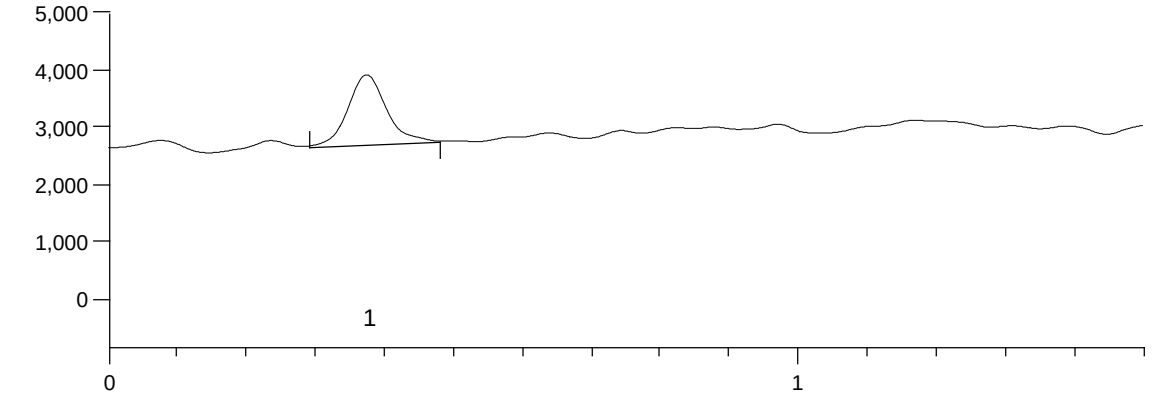
Date Analyzed: 3/10/14
Analyst Name: IRJ



Date: 3/10/14
Time: 10:48 AM

Peak	rt	Area
1	0.25	5,015
2	0.36	64,904
3	0.59	7,208
4	0.80	964,871
5	1.01	1,176,734

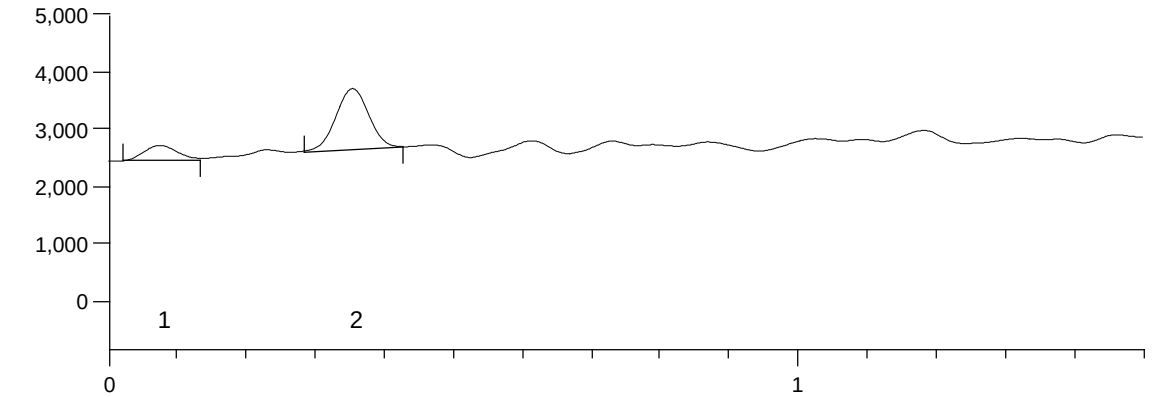
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1		S	TEST		4	964,871	4.55	0.00		< HS	reject
Notes											



Date: 3/10/14
Time: 10:53 AM

Peak	rt	Area
1	0.37	45,626

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: 3/10/14
Time: 10:57 AM

Peak	rt	Area
1	0.07	7,896
2	0.35	34,529

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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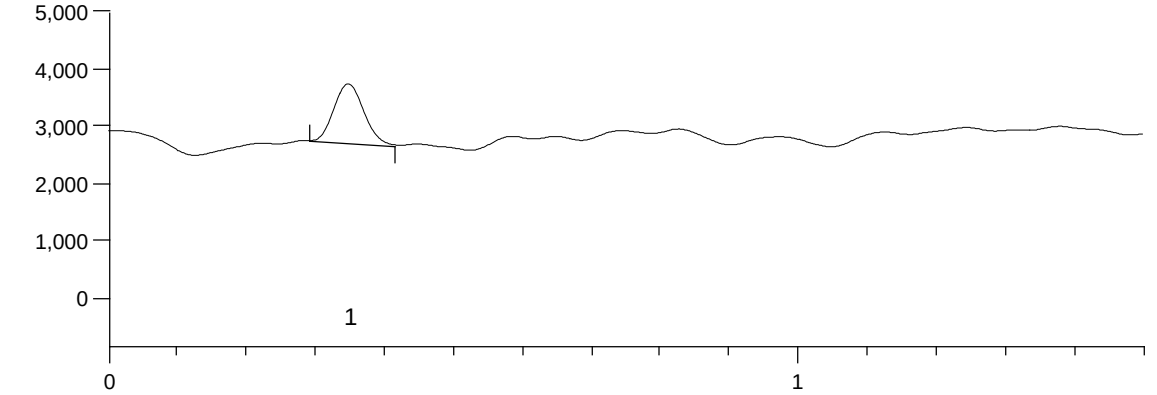
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400193
Instrument ID: HGAA2

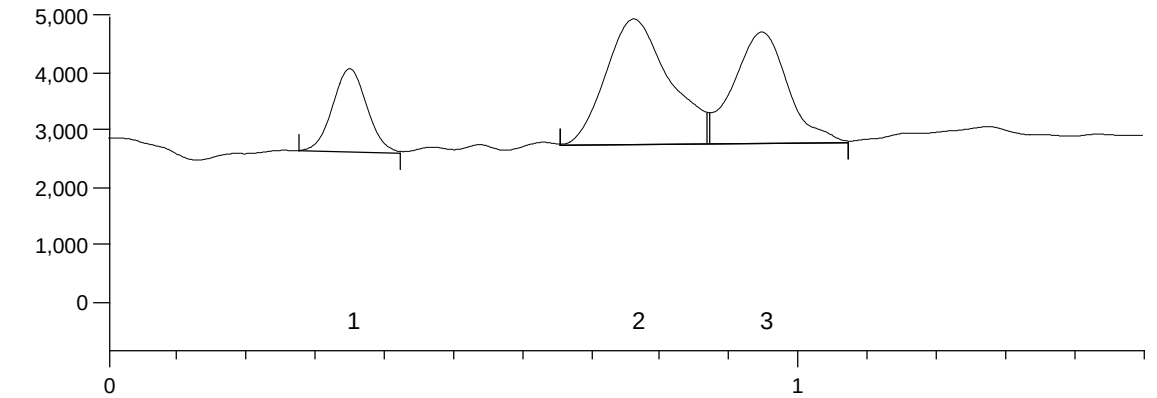
Date Analyzed: 3/10/14
Analyst Name: IRJ



Date: 3/10/14
Time: 11:02 AM

Peak	rt	Area
1	0.34	30,369

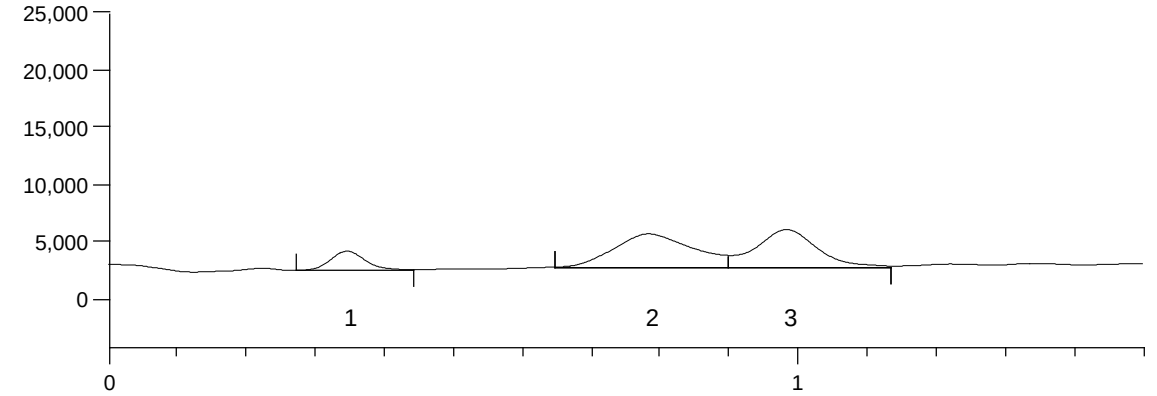
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4		CB	SEQ-IBL3			0	0.00		0.00	< 0.4	accept
Notes											



Date: 3/10/14
Time: 11:06 AM

Peak	rt	Area
1	0.34	48,683
2	0.76	140,235
3	0.94	103,241

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5		STD	SEQ-CAL1		2	140,235	0.661		132	80-120	reject
Notes											



Date: 3/10/14
Time: 11:11 AM

Peak	rt	Area
1	0.34	57,229
2	0.78	228,083
3	0.98	190,528

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6		STD	SEQ-CAL2		2	228,083	1.08		108	80-120	accept
Notes											

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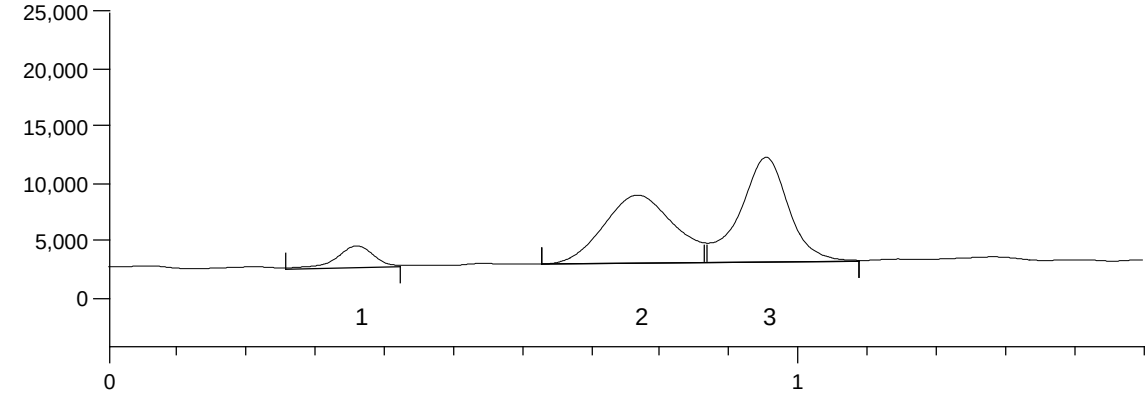
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400193
Instrument ID: HGAA2

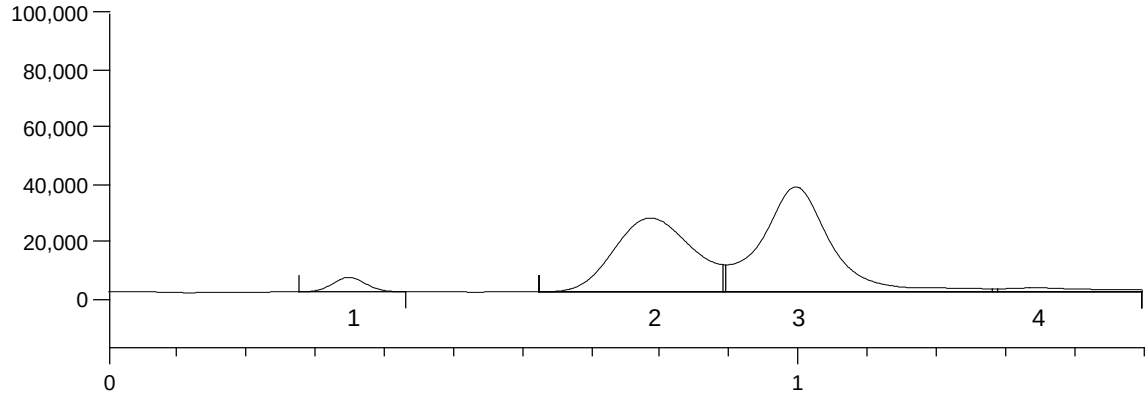
Date Analyzed: 3/10/14
Analyst Name: IRJ



Date: 3/10/14
Time: 11:16 AM

Peak	rt	Area
1	0.36	61,394
2	0.76	422,480
3	0.95	440,138

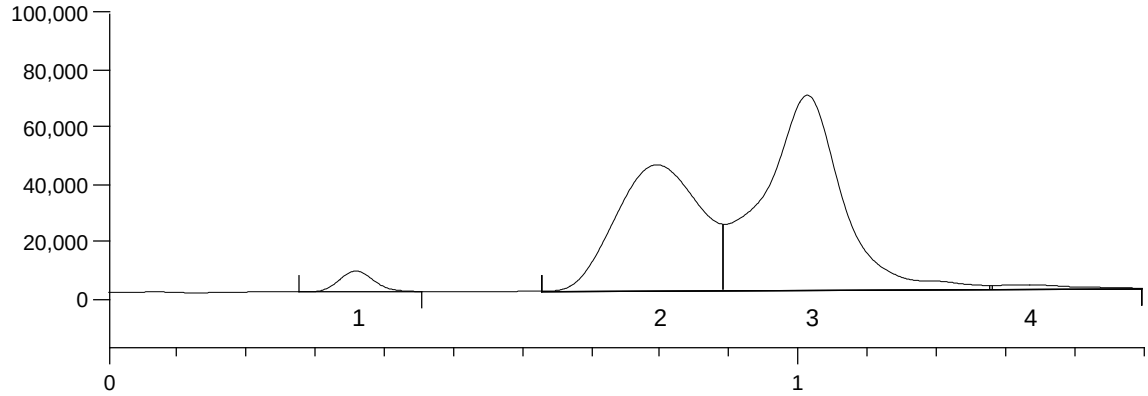
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7		STD	SEQ-CAL3		2	422,480	1.99		99.6	80-120	accept
Notes											



Date: 3/10/14
Time: 11:37 AM

Peak	rt	Area
1	0.34	167,394
2	0.78	2,058,741
3	0.99	2,507,596
4	1.34	56,985

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8		STD	SEQ-CAL4		2	2,058,741	9.71		97.1	80-120	accept
Notes											



Date: 3/10/14
Time: 11:42 AM

Peak	rt	Area
1	0.36	253,412
2	0.79	3,826,859
3	1.01	5,363,518
4	1.33	107,501

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9		STD	SEQ-CAL5		2	3,826,859	18.0		90.2	80-120	accept
Notes											

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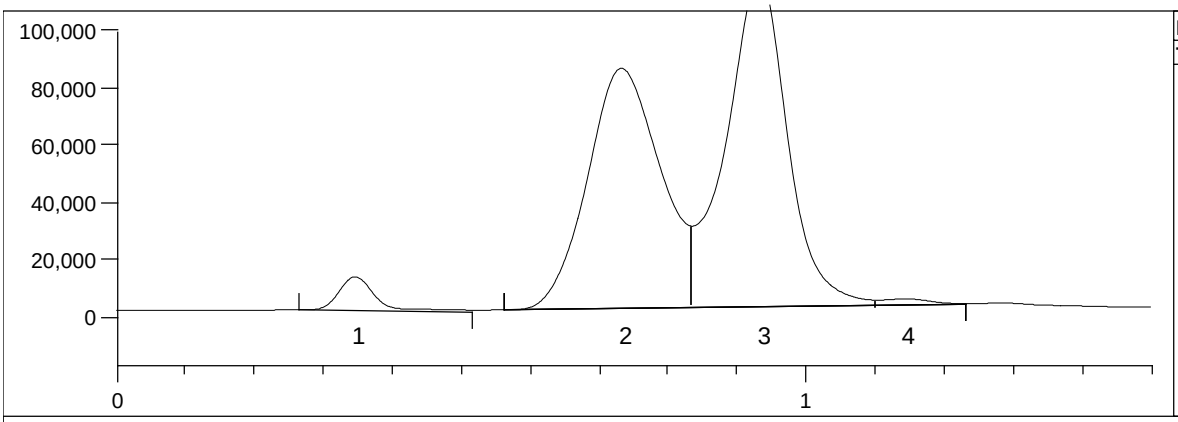
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400193
Instrument ID: HGAA2

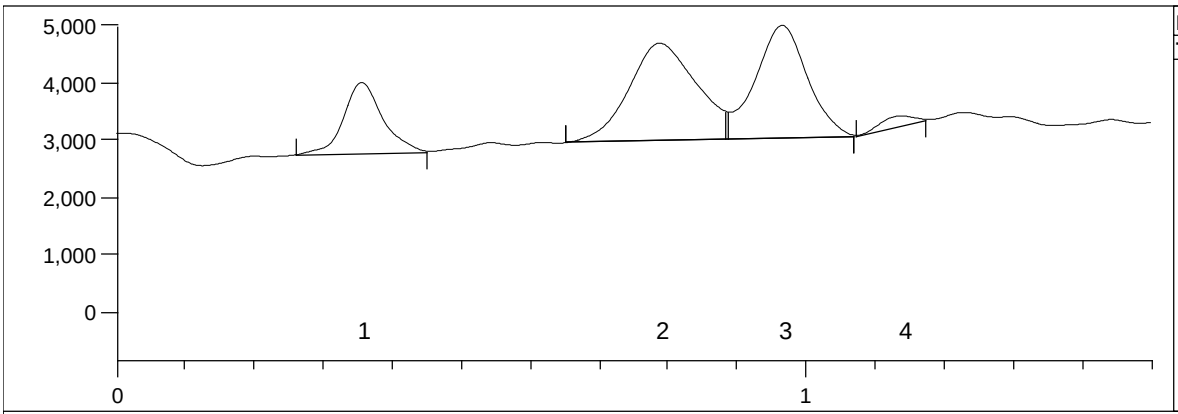
Date Analyzed: 3/10/14
Analyst Name: IRJ



Date: 3/10/14
Time: 11:46 AM

Peak	rt	Area
1	0.34	392,055
2	0.73	6,257,640
3	0.93	7,128,896
4	1.14	90,536

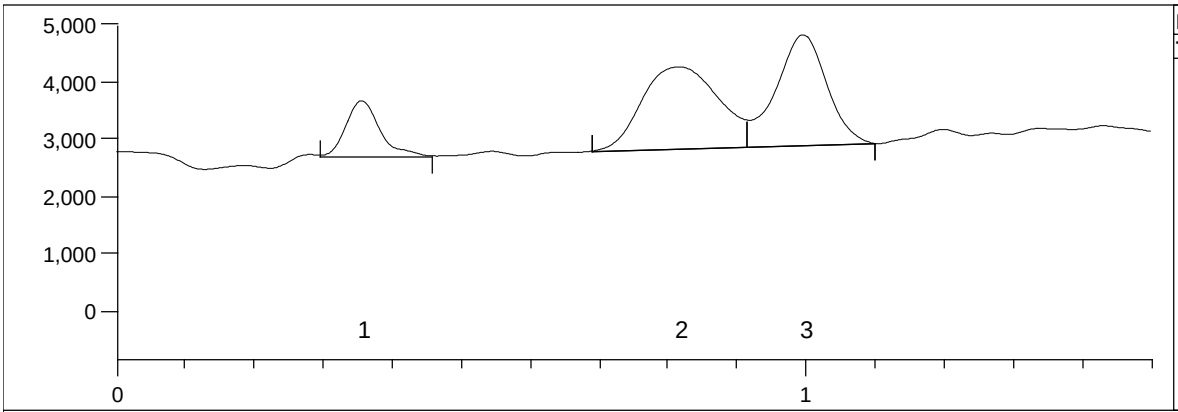
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10		STD	SEQ-CAL6		2	6,257,640	29.5		98.4	80-120	accept
Notes											



Date: 3/10/14
Time: 11:52 AM

Peak	rt	Area
1	0.35	48,110
2	0.78	116,268
3	0.96	101,083
4	1.13	5,968

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11		STD	SEQ-CAL7		2	116,268	0.548		110.	80-120	accept
Notes											



Date: 3/10/14
Time: 11:57 AM

Peak	rt	Area
1	0.35	31,783
2	0.81	111,044
3	0.99	98,745

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12		STD	SEQ-CAL8		2	111,044	0.524		105	80-120	reject
Notes											

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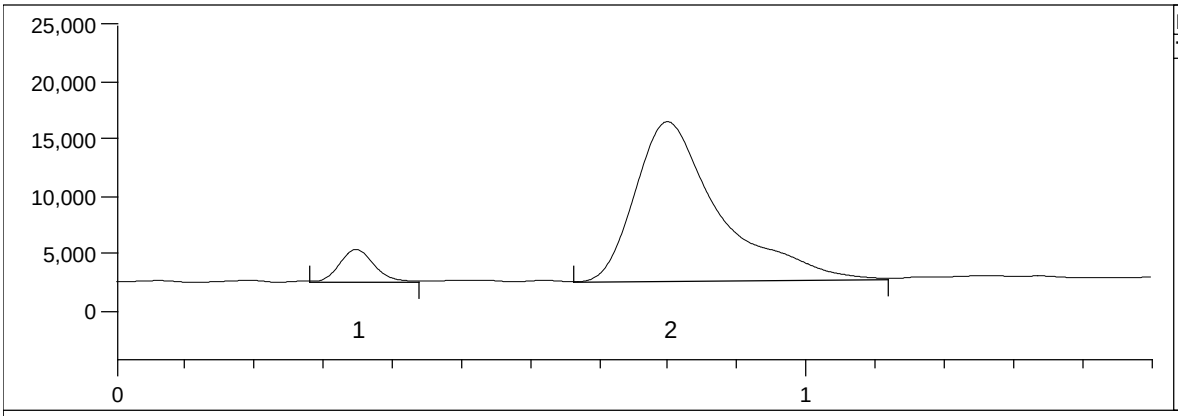
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400193
Instrument ID: HGAA2

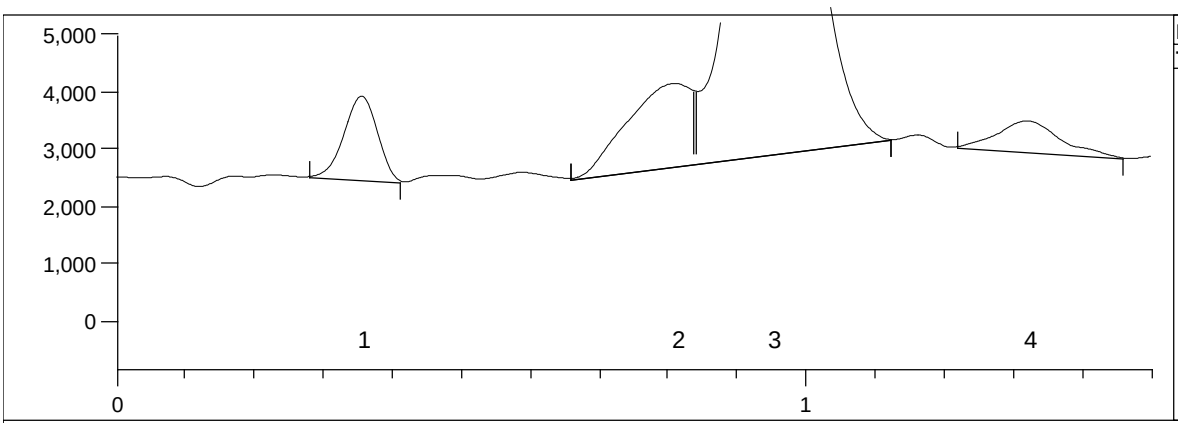
Date Analyzed: 3/10/14
Analyst Name: IRJ



Date: 3/10/14
Time: 12:57 PM

Peak	rt	Area
1	0.34	93,322
2	0.80	1,173,742

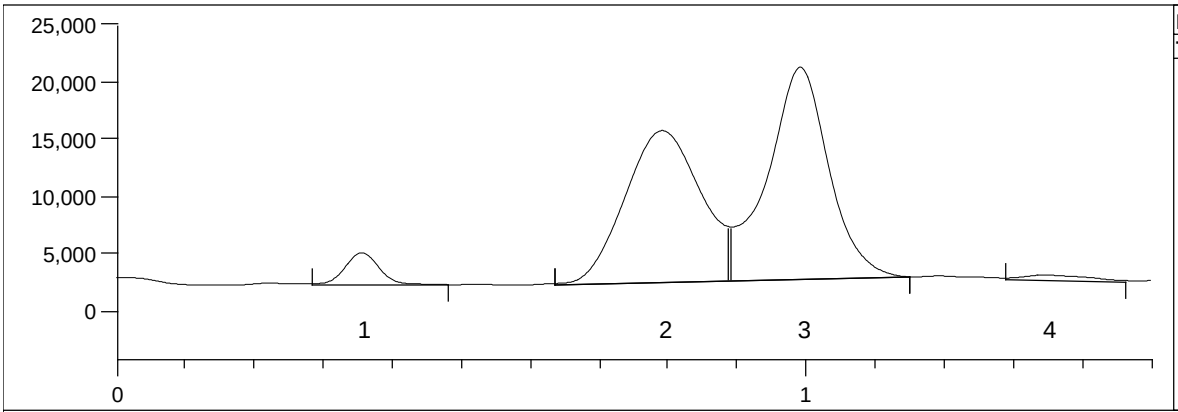
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
13		OPR	SEQ-ICV1		2	1,173,742	5.54		111	70-130	accept
Notes											



Date: 3/10/14
Time: 1:02 PM

Peak	rt	Area
1	0.35	48,297
2	0.80	95,607
3	0.94	1,019,886
4	1.32	32,615

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
14		OPR	SEQ-ICV2		2	95,607	0.451		9.02	70-130	reject
Notes											



Date: 3/10/14
Time: 1:07 PM

Peak	rt	Area
1	0.35	90,589
2	0.79	1,017,393
3	0.99	1,142,252
4	1.34	18,863

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
15		OPR	SEQ-CCV1		2	1,017,393	4.80		96.0	70-130	accept
Notes											

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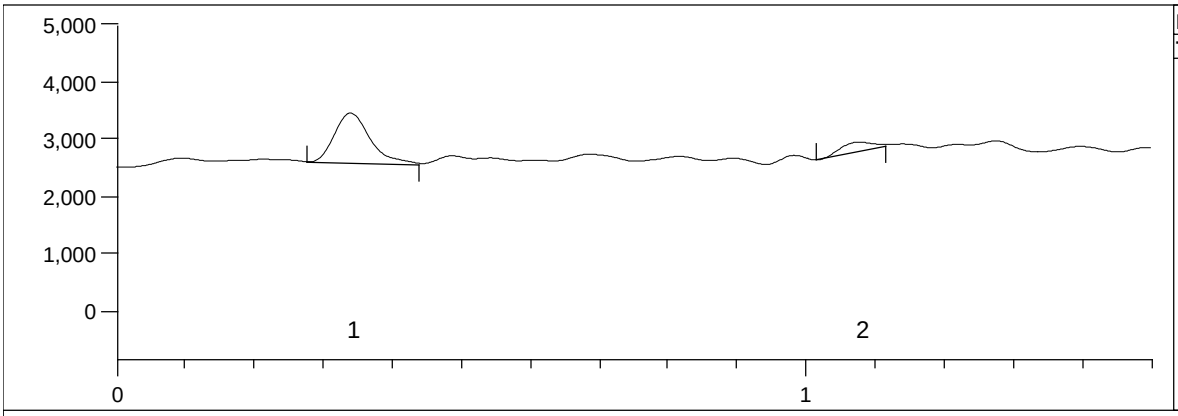
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400193
Instrument ID: HGAA2

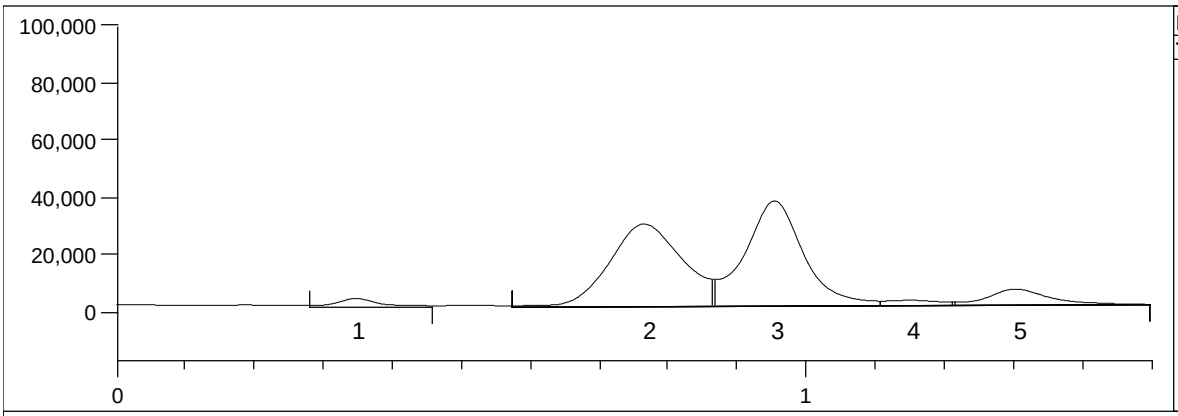
Date Analyzed: 3/10/14
Analyst Name: IRJ



Date: 3/10/14
Time: 1:11 PM

Peak	rt	Area
1	0.34	30,336
2	1.07	5,144

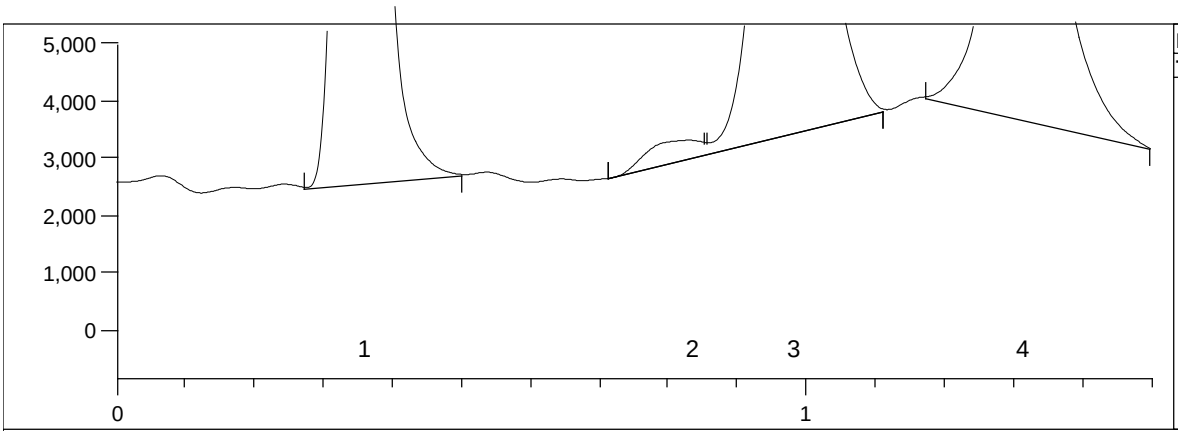
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16		CCB	SEQ-CCB1			0	0.00		0.00	< 0.4	accept
Notes											



Date: 3/10/14
Time: 1:17 PM

Peak	rt	Area
1	0.34	83,291
2	0.76	2,086,498
3	0.95	2,138,958
4	1.15	87,917
5	1.30	331,205

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17		S	B140304-BS2		2	2,086,498	9.84	0.00		< HS	accept
Notes											



Date: 3/10/14
Time: 1:22 PM

Peak	rt	Area
1	0.35	985,098
2	0.82	21,041
3	0.97	698,215
4	1.31	603,819

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18		S	B140304-SRM3		2	21,041	0.0992	0.00		< HS	accept
Notes											

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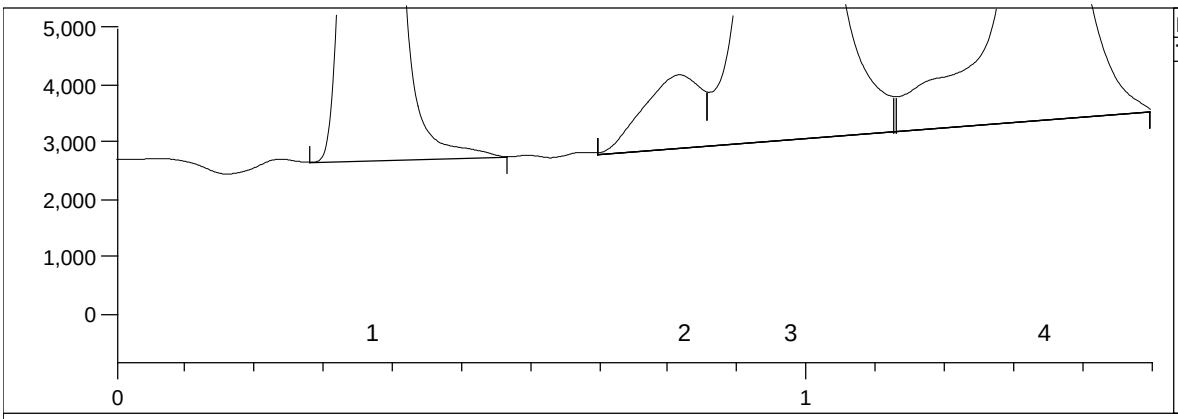
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400193
Instrument ID: HGAA2

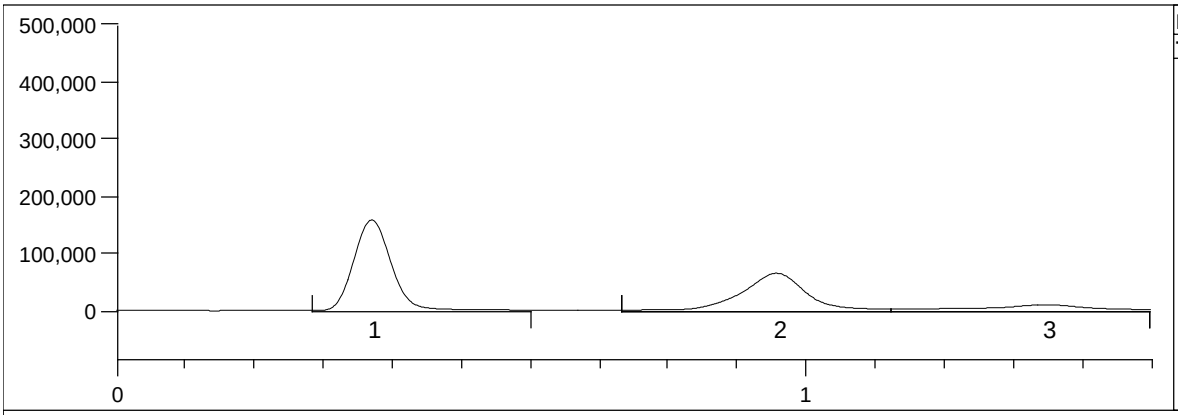
Date Analyzed: 3/10/14
Analyst Name: IRJ



Date: 3/10/14
Time: 1:27 PM

Peak	rt	Area
1	0.36	986,195
2	0.81	73,007
3	0.97	1,062,522
4	1.34	549,921

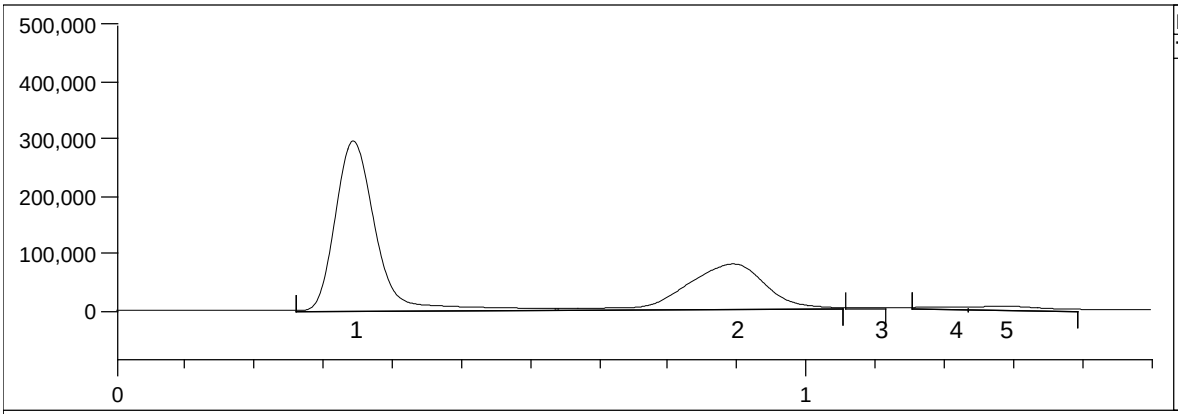
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
19		S	B140304-SRM4		2	73,007	0.344	0.00		< HS	accept
Notes											



Date: 3/10/14
Time: 1:33 PM

Peak	rt	Area
1	0.37	5,905,721
2	0.95	3,988,927
3	1.34	766,840

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
20		S	1408020-17RE1			0	0.00	0.00		< HS	accept
Notes											



Date: 3/10/14
Time: 1:38 PM

Peak	rt	Area
1	0.34	11,777,052
2	0.89	5,868,808
3	1.10	3,657
4	1.21	48,939
5	1.28	194,756

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
21		S	1408020-18RE1			0	0.00	0.00		< HS	accept
Notes											

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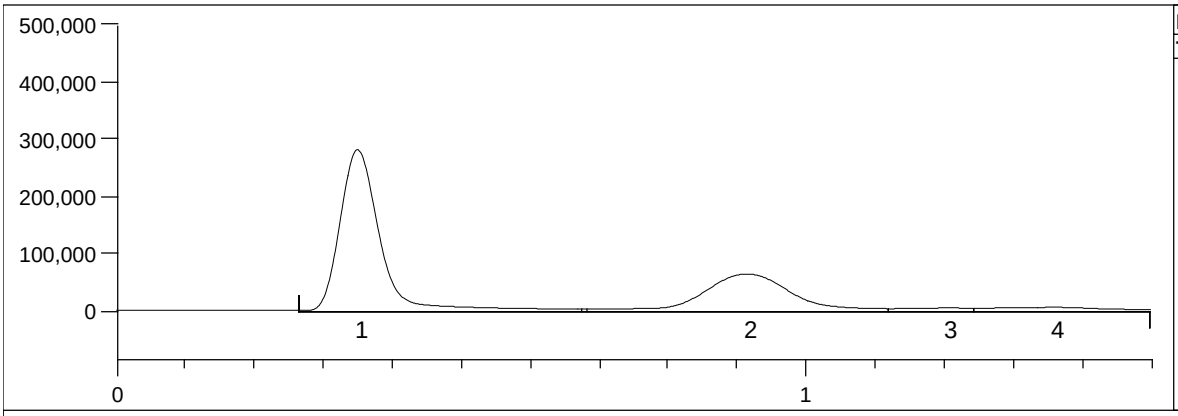
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400193
Instrument ID: HGAA2

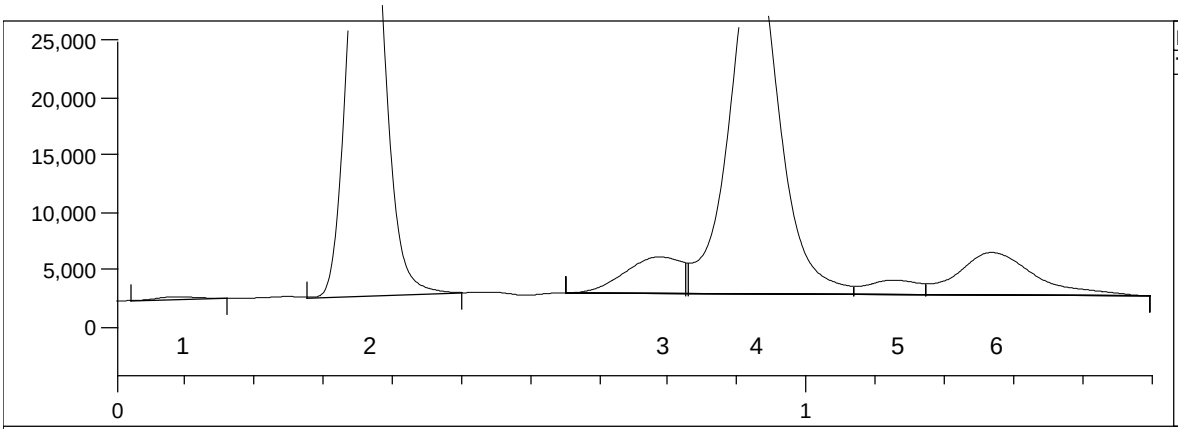
Date Analyzed: 3/10/14
Analyst Name: IRJ



Date: 3/10/14
Time: 1:43 PM

Peak	rt	Area
1	0.34	11,152,351
2	0.91	5,288,014
3	1.20	203,614
4	1.36	375,033

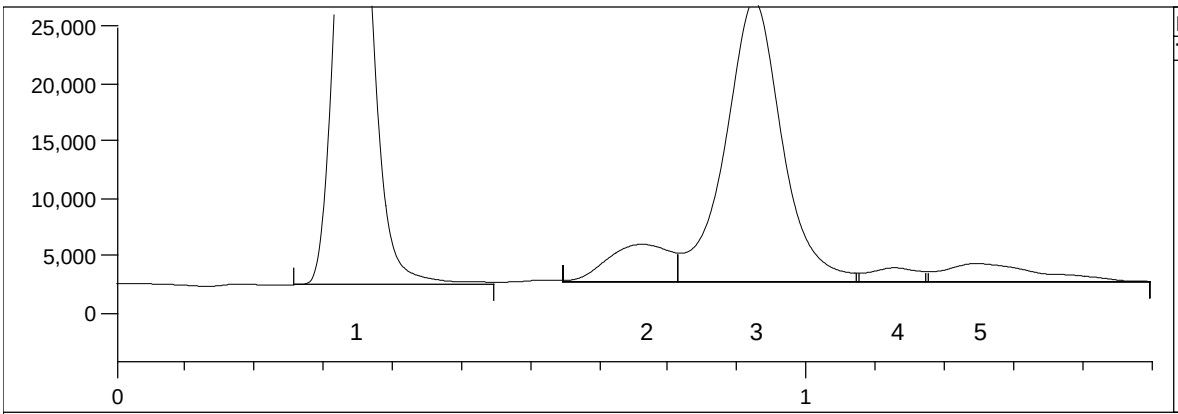
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
22		S	1408020-19RE1			0	0.00	0.00		< HS	accept
Notes											



Date: 3/10/14
Time: 1:48 PM

Peak	rt	Area
1	0.09	10,112
2	0.36	1,545,482
3	0.78	188,895
4	0.92	1,541,947
5	1.12	66,504
6	1.26	286,639

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
23		S	1408020-20RE1		3	188,895	0.891	0.00		< HS	accept
Notes											



Date: 3/10/14
Time: 1:53 PM

Peak	rt	Area
1	0.34	1,741,400
2	0.76	201,351
3	0.92	1,391,166
4	1.12	57,859
5	1.24	148,347

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24		S	B140304-DUP5		2	201,351	0.950	0.00		< HS	accept
Notes											

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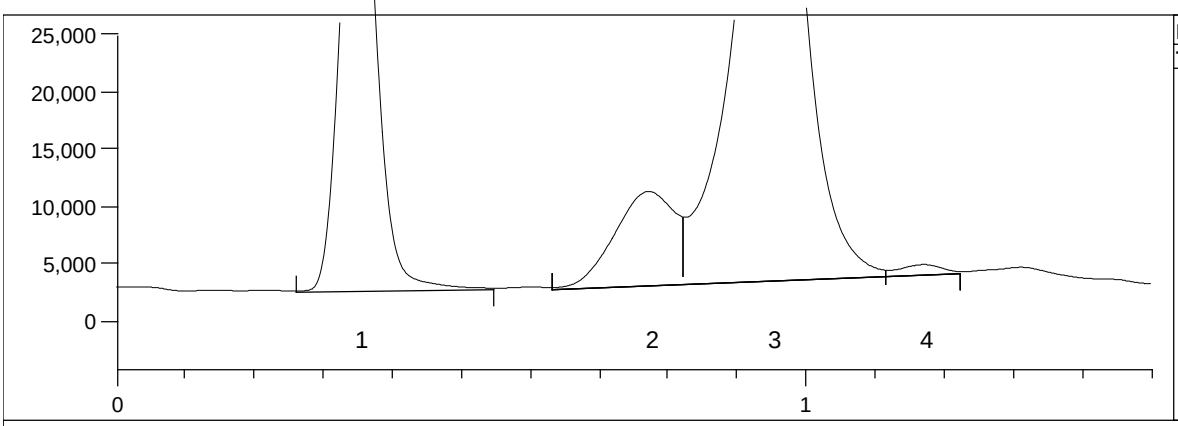
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400193
Instrument ID: HGAA2

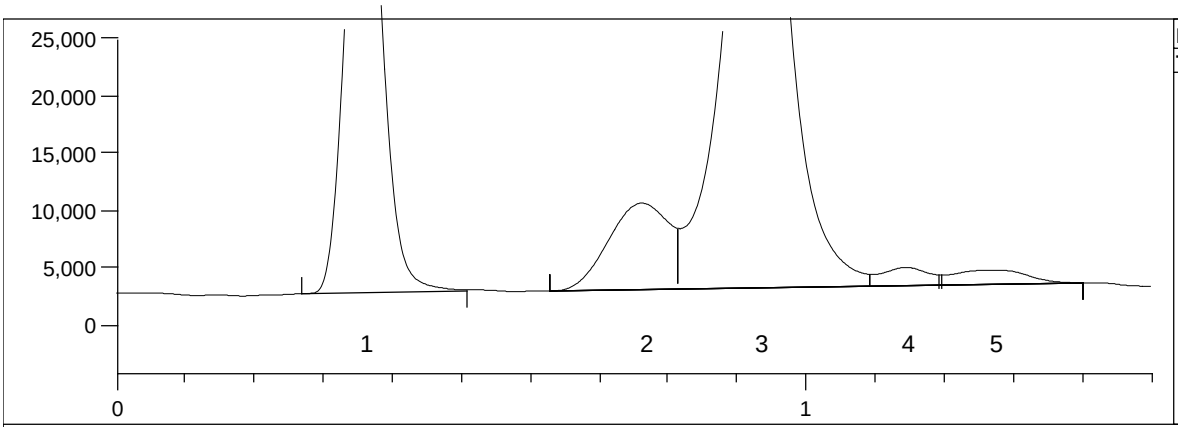
Date Analyzed: 3/10/14
Analyst Name: IRJ



Date: 3/10/14
Time: 1:58 PM

Peak	rt	Area
1	0.34	1,574,237
2	0.77	492,098
3	0.95	3,530,398
4	1.17	30,796

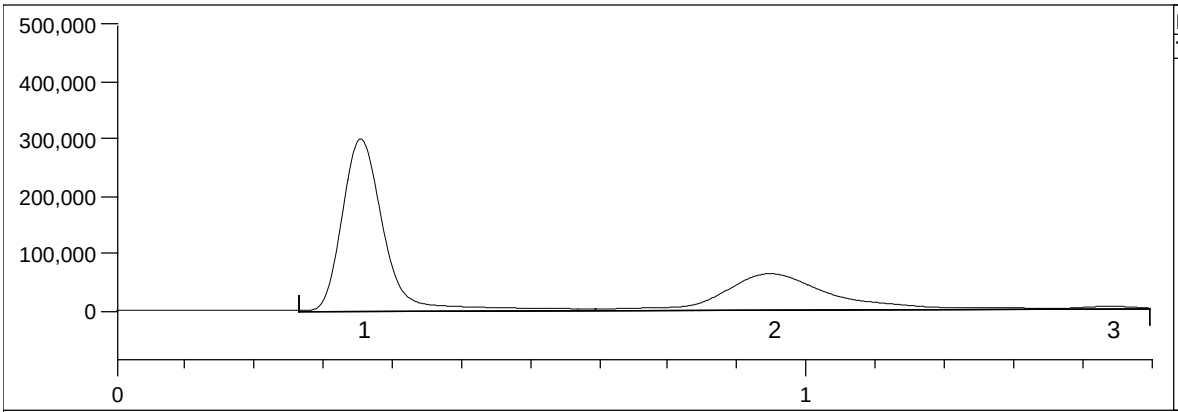
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
25		S	B140304-MS4		2	492,098	2.32	0.00		< HS	accept
Notes											



Date: 3/10/14
Time: 2:02 PM

Peak	rt	Area
1	0.35	1,640,436
2	0.76	470,177
3	0.92	3,324,046
4	1.14	76,850
5	1.27	93,101

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
26		S	B140304-MSD4		2	470,177	2.22	0.00		< HS	accept
Notes											



Date: 3/10/14
Time: 2:16 PM

Peak	rt	Area
1	0.35	12,348,188
2	0.94	6,374,169
3	1.44	158,086

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
27		S	1408020-21RE1			0	0.00	0.00		< HS	accept
Notes											

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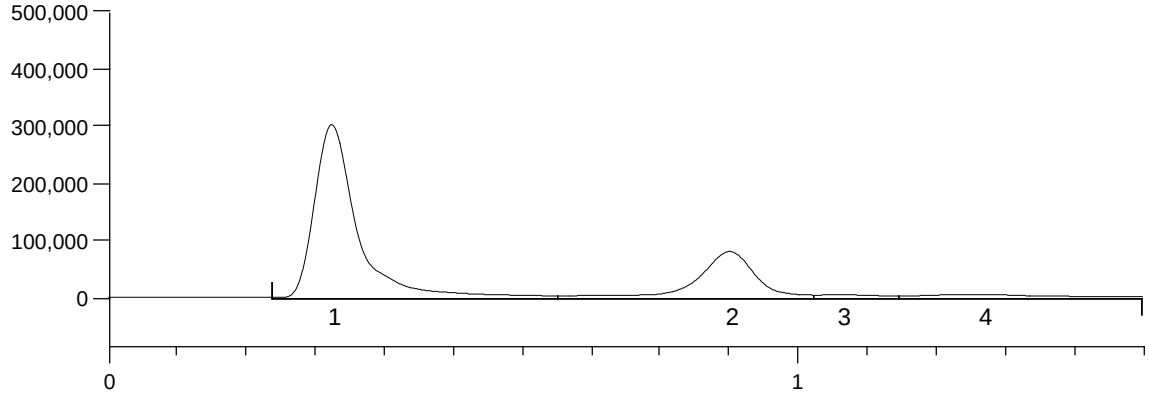
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400193
Instrument ID: HGAA2

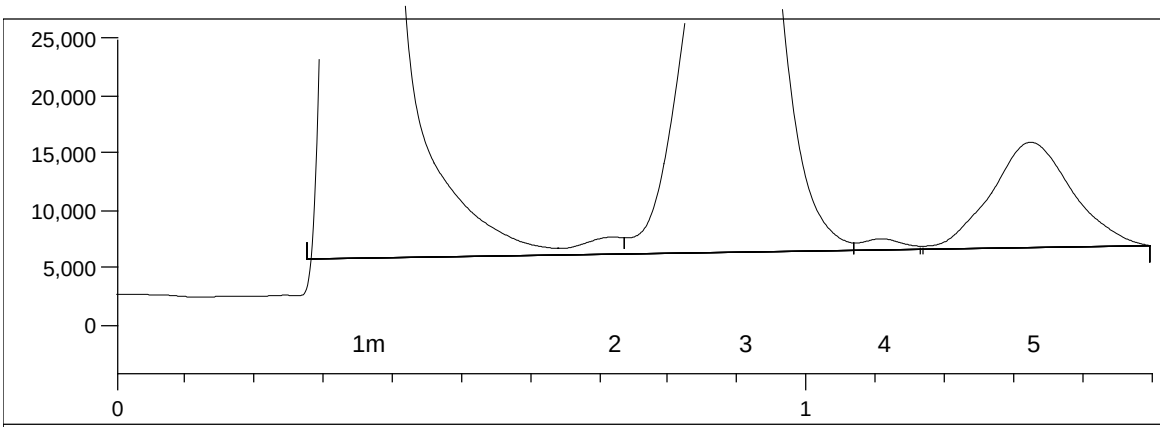
Date Analyzed: 3/10/14
Analyst Name: IRJ



Date: 3/10/14
Time: 2:21 PM

Peak	rt	Area
1	0.32	12,938,261
2	0.90	4,483,051
3	1.06	232,019
4	1.26	448,875

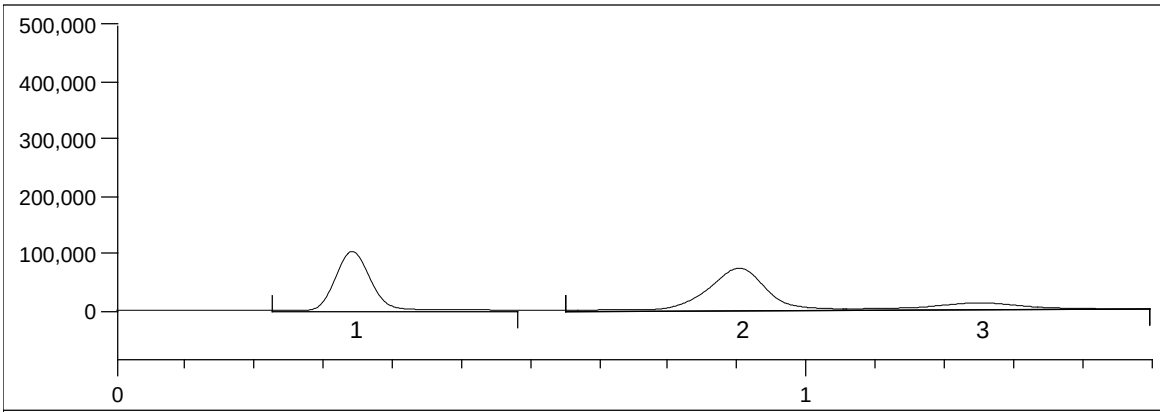
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
28		S	1408020-22RE1			0	0.00	0.00		< HS	accept
Notes											



Date: 3/10/14
Time: 2:26 PM

Peak	rt	Area
1m	0.34	12,049,686
2	0.72	65,002
3	0.90	3,925,614
4	1.10	40,845
5	1.32	757,003

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29		S	1408020-23RE1		2	65,002	0.307	0.00		< HS	accept
Notes											



Date: 3/10/14
Time: 2:31 PM

Peak	rt	Area
1	0.34	3,633,506
2	0.90	4,209,630
3	1.25	1,159,512

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
30		S	1408020-24RE1			0	0.00	0.00		< HS	accept
Notes											

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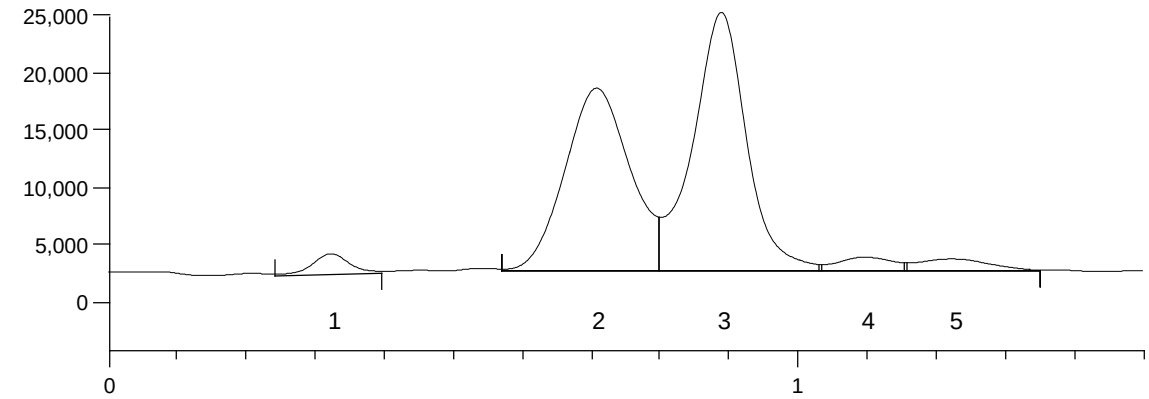
Peak Report

Batch Number: B140304
Method Number: BR-0021

Project Number(s): 1400193
Instrument ID: HGAA2

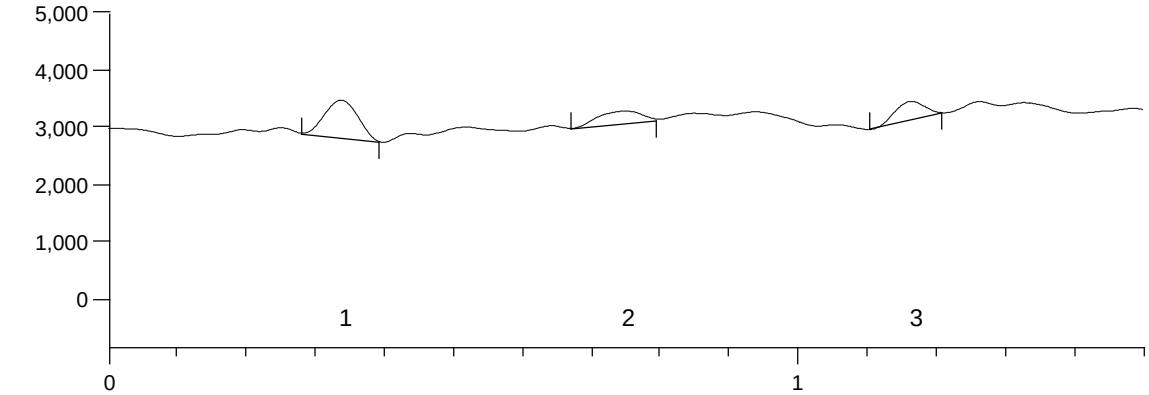
Date Analyzed: 3/10/14
Analyst Name: IRJ



Date: 3/10/14
Time: 2:36 PM

Peak	rt	Area
1	0.32	55,459
2	0.70	1,041,492
3	0.88	1,206,973
4	1.09	61,075
5	1.22	65,538

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31		OPR	SEQ-CCV2		2	1,041,492	4.91		98.2	70-130	accept
Notes											



Date: 3/10/14
Time: 2:40 PM

Peak	rt	Area
1	0.33	21,695
2	0.74	9,025
3	1.16	10,293

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
32		CCB	SEQ-CCB2		2	9,025	0.0426		0.0426	< 0.4	accept
Notes											

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ANALYSIS SEQUENCE

1400195

Brooks Rand Labs

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400195-IBL1	1400195	QC	1		-			
1400195-IBL2	1400195	QC	2		-			
1400195-IBL3	1400195	QC	3		-			
1400195-CAL1	1400195	QC	4	1410017	-			
1400195-CAL2	1400195	QC	5	1410018	-			
1400195-CAL3	1400195	QC	6	1410019	-			
1400195-CAL4	1400195	QC	7	1410020	-			
1400195-CAL5	1400195	QC	8	1410021	-			
1400195-CAL6	1400195	QC	9	1410022	-			
1400195-CAL7	1400195	QC	10	1410023	-			
1400195-CCB1	1400195	QC	11		-			
1400195-ICV1	1400195	QC	12	1410024	-			
1400195-CCB2	1400195	QC	13		-			
1400195-CCV1	1400195	QC	14	1410025	-			
1400195-CCB3	1400195	QC	15		-			
1400195-CCB4	1400195	QC	16		-			
1400195-CCB5	1400195	QC	17		-			
B140336-BLK1	B140336	QC	18		-			
B140336-BLK2	B140336	QC	19		-			
B140336-BLK3	B140336	QC	20		-			
B140336-BLK4	B140336	QC	21		-			
B140336-BS1	B140336	QC	22		-			
B140336-BS2	B140336	QC	23		-			
1409035-30	B140336	MeHg-W-Dist-Diss	24			DUP002-1401	3/24/2014	
1410023-04	B140336	MeHg-W-Dist-TR	25			SGS-AN1302	3/18/2014	
1410023-05	B140336	MeHg-W-Dist-TR	26			SGS-AN1302	3/18/2014	

ANALYSIS SEQUENCE

1400195

Brooks Rand Labs

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1410023-06	B140336	MeHg-W-Dist-TR	27			SGS-AN1302	3/18/2014	
1400195-CCV2	1400195	QC	28	1410025	-			
1400195-CCB6	1400195	QC	29		-			
1410023-10	B140336	MeHg-W-Dist-TR	30			SGS-AN1302	3/18/2014	
1410023-11	B140336	MeHg-W-Dist-TR	31			SGS-AN1302	3/18/2014	
1410023-12	B140336	MeHg-W-Dist-TR	32			SGS-AN1302	3/18/2014	
1409035-02	B140336	MeHg-W-Dist-Diss	33			DUP002-1401	3/24/2014	
1409035-04	B140336	MeHg-W-Dist-Diss	34			DUP002-1401	3/24/2014	
1409035-06	B140336	MeHg-W-Dist-Diss	35			DUP002-1401	3/24/2014	
1409035-08	B140336	MeHg-W-Dist-Diss	36			DUP002-1401	3/24/2014	
1409035-10	B140336	MeHg-W-Dist-Diss	37			DUP002-1401	3/24/2014	
1409035-12	B140336	MeHg-W-Dist-Diss	38			DUP002-1401	3/24/2014	
1409035-14	B140336	MeHg-W-Dist-Diss	39			DUP002-1401	3/24/2014	
1400195-CCV3	1400195	QC	40	1410025	-			
1400195-CCB7	1400195	QC	41		-			
1409035-16	B140336	MeHg-W-Dist-Diss	42			DUP002-1401	3/24/2014	
1409035-18	B140336	MeHg-W-Dist-Diss	43			DUP002-1401	3/24/2014	
1409035-20	B140336	MeHg-W-Dist-Diss	44			DUP002-1401	3/24/2014	
1409035-22	B140336	MeHg-W-Dist-Diss	45			DUP002-1401	3/24/2014	
1409035-24	B140336	MeHg-W-Dist-Diss	46			DUP002-1401	3/24/2014	
1409035-26	B140336	MeHg-W-Dist-Diss	47			DUP002-1401	3/24/2014	
1409035-28	B140336	MeHg-W-Dist-Diss	48			DUP002-1401	3/24/2014	
1410023-01	B140336	MeHg-W-Dist-Diss	49			SGS-AN1302	1/1/1980	BatchQC
1410023-01	B140336	MeHg-W-Dist-TR	50			SGS-AN1302	3/18/2014	
B140336-MS1	B140336	QC	51		1410023-01			
B140336-MSD1	B140336	QC	52		1410023-01			

ANALYSIS SEQUENCE

1400195

Brooks Rand Labs

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400195-CCV4	1400195	QC	53	1410025	-			
1400195-CCB8	1400195	QC	54		-			
1410023-02	B140336	MeHg-W-Dist-TR	55			SGS-AN1302	3/18/2014	
1410023-03	B140336	MeHg-W-Dist-TR	56			SGS-AN1302	3/18/2014	
1410023-07	B140336	MeHg-W-Dist-TR	57			SGS-AN1302	3/18/2014	
1410023-08	B140336	MeHg-W-Dist-TR	58			SGS-AN1302	3/18/2014	
1410023-09	B140336	MeHg-W-Dist-Diss	59			SGS-AN1302	1/1/1980	BatchQC
1410023-09	B140336	MeHg-W-Dist-TR	60			SGS-AN1302	3/18/2014	
B140336-MS2	B140336	QC	61		1410023-09			
B140336-MSD2	B140336	QC	62		1410023-09			
1400195-CCV5	1400195	QC	63	1410025	-			
1400195-CCB9	1400195	QC	64		-			
1400195-CCBA	1400195	QC	65		-			
1400195-CCV6	1400195	QC	66	1410025	-			
1400195-CCBB	1400195	QC	67		-			
1400195-CCV7	1400195	QC	68	1410025	-			
1400195-CCBC	1400195	QC	69		-			
1400195-CCV8	1400195	QC	70	1410025	-			
1400195-CCBD	1400195	QC	71		-			
1400195-CCV9	1400195	QC	72	1410025	-			
1400195-CCBE	1400195	QC	73		-			
1400195-CCVA	1400195	QC	74	1410025	-			
1400195-CCBF	1400195	QC	75		-			
B140272-SRM2	B140272	QC	76		-			
B140272-SRM3	B140272	QC	77		-			
1406034-05RE1	B140272	MeHg-B-KOH/Me	78			DBE-RK1402	3/3/2014	Added 3/12/2014 by AAP

ANALYSIS SEQUENCE

1400195

Brooks Rand Labs

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1406034-06RE1	B140272	MeHg-B-KOH/Me	79			DBE-RK1402	3/3/2014	Added 3/12/2014 by AAP
1406034-07RE1	B140272	MeHg-B-KOH/Me	80			DBE-RK1402	3/3/2014	Added 3/12/2014 by AAP
1406034-08RE1	B140272	MeHg-B-KOH/Me	81			DBE-RK1402	3/3/2014	Added 3/12/2014 by AAP
1406034-09RE1	B140272	MeHg-B-KOH/Me	82			DBE-RK1402	3/3/2014	Added 3/12/2014 by AAP
1400195-CCVB	1400195	QC	83	1410025	-			
1400195-CCBG	1400195	QC	84		-			
B140300-BLK1	B140300	QC	85		-			
B140300-BLK2	B140300	QC	86		-			
B140300-BLK3	B140300	QC	87		-			
B140300-BLK4	B140300	QC	88		-			
B140300-SRM1	B140300	QC	89		-			
B140300-SRM2	B140300	QC	90		-			
1408020-01	B140300	MeHg-B-KOH/Me	91			ARD-MV1302	3/14/2014	
B140300-DUP1	B140300	QC	92		1408020-01			
B140300-MS1	B140300	QC	93		1408020-01			
B140300-MSD1	B140300	QC	94		1408020-01			
1400195-CCVC	1400195	QC	95	1410025	-			
1400195-CCBH	1400195	QC	96		-			
1408020-02	B140300	MeHg-B-KOH/Me	97			ARD-MV1302	3/14/2014	
1408020-03	B140300	MeHg-B-KOH/Me	98			ARD-MV1302	3/14/2014	
1408020-04	B140300	MeHg-B-KOH/Me	99			ARD-MV1302	3/14/2014	
1408020-05	B140300	MeHg-B-KOH/Me	100			ARD-MV1302	3/14/2014	
1408020-06	B140300	MeHg-B-KOH/Me	101			ARD-MV1302	3/14/2014	
1408020-07	B140300	MeHg-B-KOH/Me	102			ARD-MV1302	3/14/2014	
1408020-08	B140300	MeHg-B-KOH/Me	103			ARD-MV1302	3/14/2014	
1408020-09	B140300	MeHg-B-KOH/Me	104			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400195

Brooks Rand Labs

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-10	B140300	MeHg-B-KOH/Me	105			ARD-MV1302	3/14/2014	
B140300-DUP2	B140300	QC	106		1408020-10			
1400195-CCVD	1400195	QC	107	1410025	-			
1400195-CCBI	1400195	QC	108		-			
B140300-MS2	B140300	QC	109		1408020-10			
B140300-MSD2	B140300	QC	110		1408020-10			
1408020-11	B140300	MeHg-B-KOH/Me	111			ARD-MV1302	3/14/2014	
1408020-12	B140300	MeHg-B-KOH/Me	112			ARD-MV1302	3/14/2014	
1408020-13	B140300	MeHg-B-KOH/Me	113			ARD-MV1302	3/14/2014	
1408020-14	B140300	MeHg-B-KOH/Me	114			ARD-MV1302	3/14/2014	
1408020-15	B140300	MeHg-B-KOH/Me	115			ARD-MV1302	3/14/2014	
1408020-16	B140300	MeHg-B-KOH/Me	116			ARD-MV1302	3/14/2014	
1408020-17	B140300	MeHg-B-KOH/Me	117			ARD-MV1302	3/14/2014	
1408020-18	B140300	MeHg-B-KOH/Me	118			ARD-MV1302	3/14/2014	
1400195-CCVE	1400195	QC	119	1410025	-			
1400195-CCBJ	1400195	QC	120		-			
1408020-19	B140300	MeHg-B-KOH/Me	121			ARD-MV1302	3/14/2014	
1408020-20	B140300	MeHg-B-KOH/Me	122			ARD-MV1302	3/14/2014	
B140300-DUP3	B140300	QC	123		1408020-20			
B140300-MS3	B140300	QC	124		1408020-20			
B140300-MSD3	B140300	QC	125		1408020-20			
1408020-21	B140300	MeHg-B-KOH/Me	126			ARD-MV1302	3/14/2014	
1408020-22	B140300	MeHg-B-KOH/Me	127			ARD-MV1302	3/14/2014	
1408020-23	B140300	MeHg-B-KOH/Me	128			ARD-MV1302	3/14/2014	
1408020-24	B140300	MeHg-B-KOH/Me	129			ARD-MV1302	3/14/2014	
1400195-CCVF	1400195	QC	130	1410025	-			

ANALYSIS SEQUENCE

1400195

Brooks Rand Labs

Instrument: MMHG-09

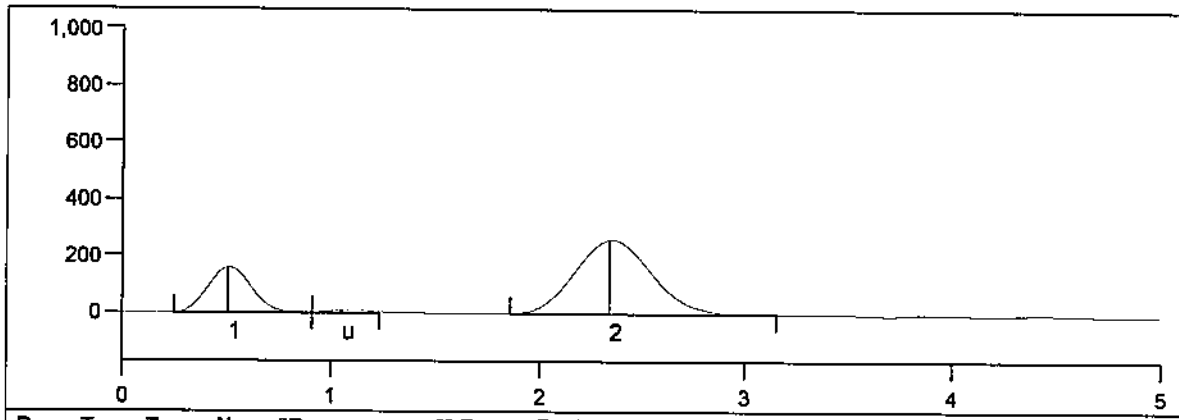
Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400195-CCBK	1400195	QC	131		-			
1400195-ICV2	1400195	QC	132	1410024	-			
1400195-CCVG	1400195	QC	133	1410025	-			
1400195-CCBL	1400195	QC	134		-			
B140272-BS2	B140272	QC	135		-			
1406034-01RE1	B140272	MeHg-B-KOH/Me	136			DBE-RK1402	3/3/2014	Added 3/12/2014 by AAP
1406034-06RE2	B140272	MeHg-B-KOH/Me	137			DBE-RK1402	3/3/2014	Added 3/12/2014 by AAP
1400195-CCVH	1400195	QC	138	1410025	-			
1400195-CCBM	1400195	QC	139		-			

Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

Project Number(s): 1400195
Instrument ID: MMHG-09

Date Analyzed: 3/11/14
Analyst Name: AAP

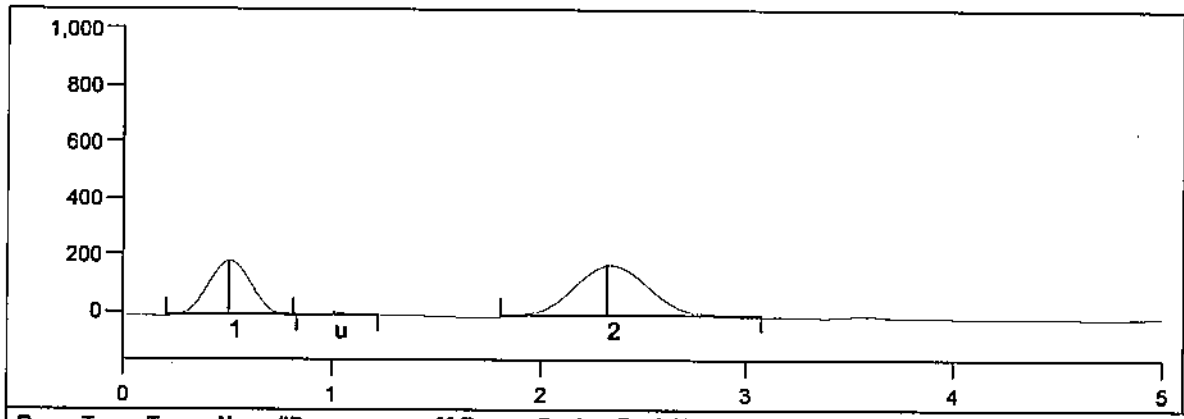


Date: 3/11/14
Time: 9:59 AM

Peak	rt	Height
1	0.50	162
2	2.34	263
u	1.05	11

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
2	B	Rins	Rinse		u	11	0.0683	0.00	0.00	< 0.05	accept
Notes											

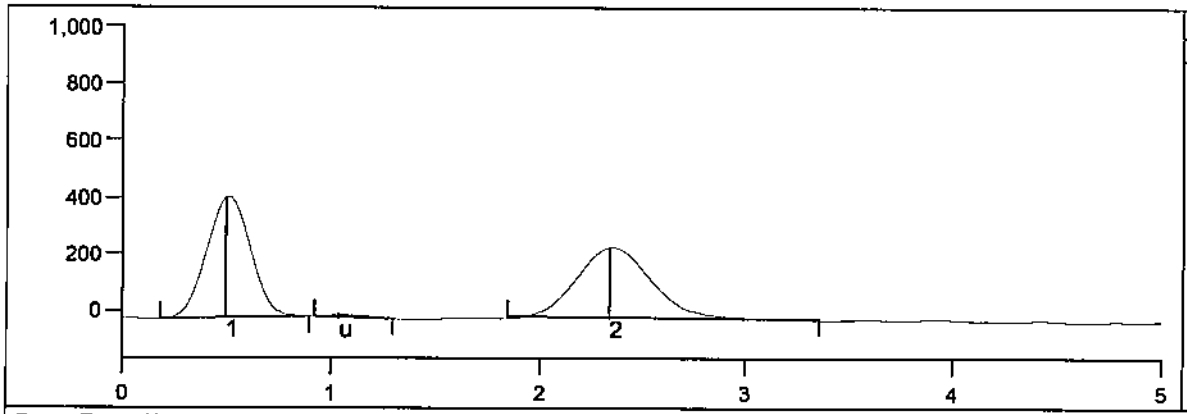


Date: 3/11/14
Time: 10:05 AM

Peak	rt	Height
1	0.50	199
2	2.33	187
u	1.02	9

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
3	C	Rins	Rinse		u	9	0.0559	0.00	0.00	< 0.05	accept
Notes											



Date: 3/11/14
Time: 10:12 AM

Peak	rt	Height
1	0.50	433
2	2.34	258
u	1.04	8

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
4	A	CB	SEQ-IBL		u	8	0.0497		0.0497	< 1.4	accept
Notes											

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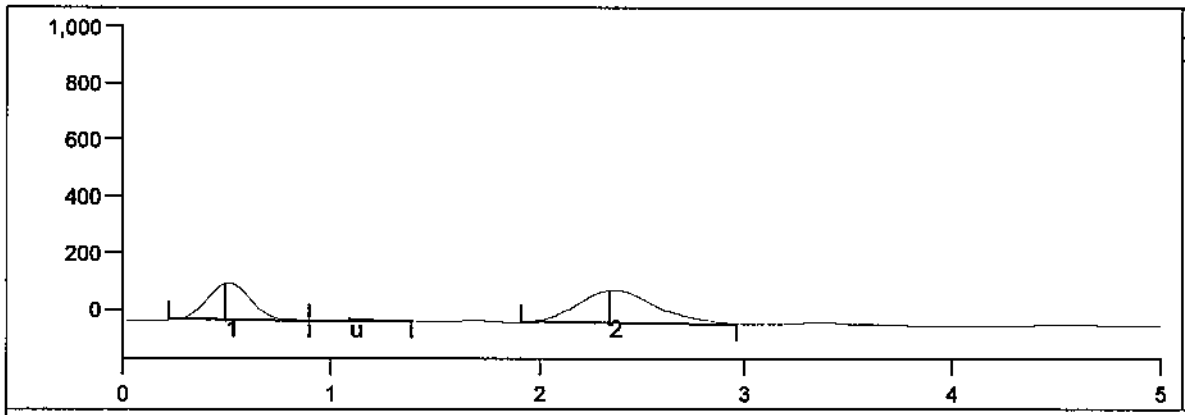
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

Project Number(s): 1400195
Instrument ID: MMHG-09

Date Analyzed: 3/11/14
Analyst Name: AAP



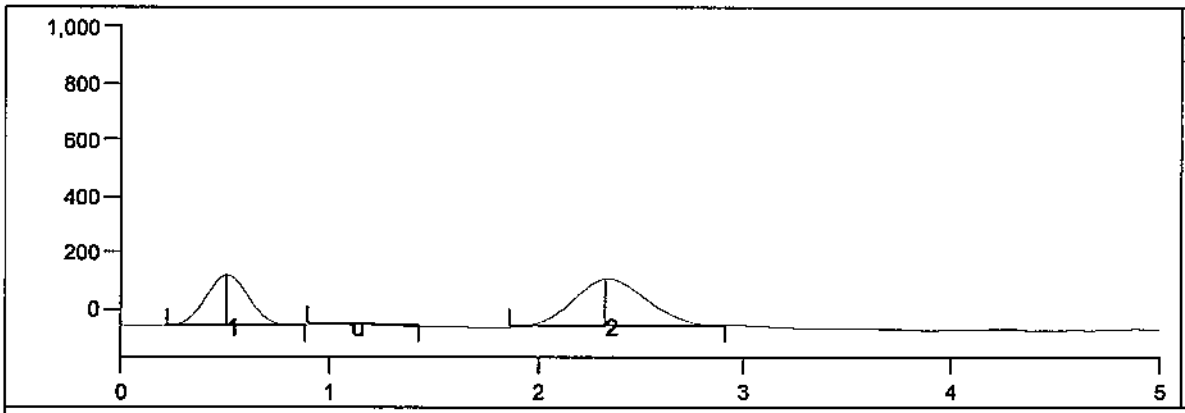
Date: 3/11/14
Time: 10:19 AM

Peak	rt	Height
1	0.50	135
2	2.34	118
u	1.08	6

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
5	B	CB	SEQ-IBL		u	6	0.0373		0.0373	< 1.4	accept

Notes



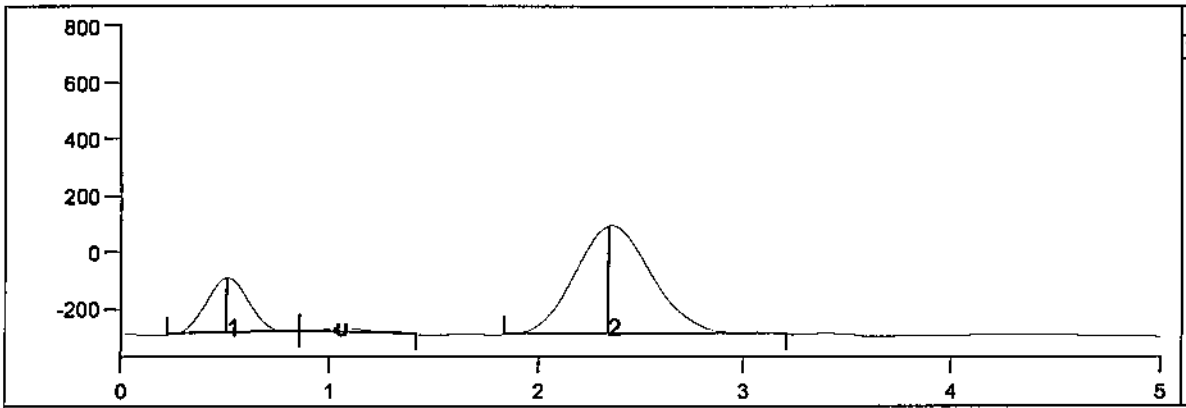
Date: 3/11/14
Time: 10:25 AM

Peak	rt	Height
1	0.50	182
2	2.33	173
u	1.10	10

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
6	C	CB	SEQ-IBL		u	10	0.0621		0.0621	< 1.4	accept

Notes



Date: 3/11/14
Time: 12:25 PM

Peak	rt	Height
1	0.50	200
2	2.34	388
u	1.02	16

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
24	C	S	B140336-BLK4		u	16	0.0497	0.00		< HS	accept

Notes

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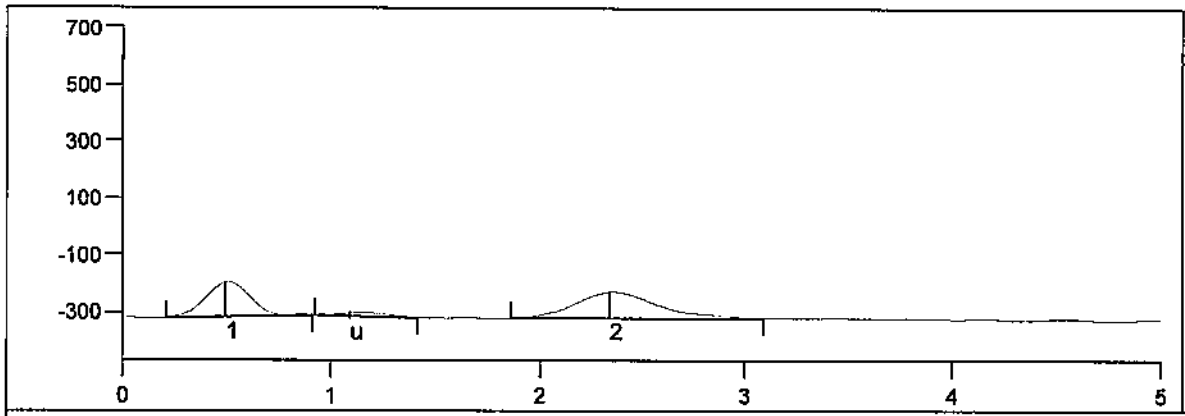
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

Project Number(s): 1400195
Instrument ID: MMHG-09

Date Analyzed: 3/11/14
Analyst Name: AAP

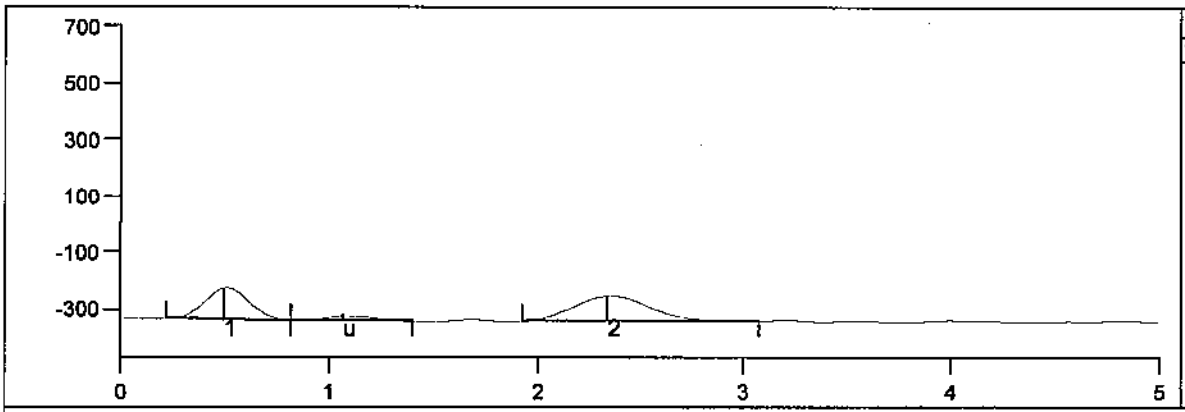


Date: 3/11/14
Time: 1:19 PM

Peak	rt	Height
1	0.50	126
2	2.34	96
u	1.10	13

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
32	B	CCB	SEQ-CCB		u	13	0.0807		0.0807	< 1.15	accept
Notes											

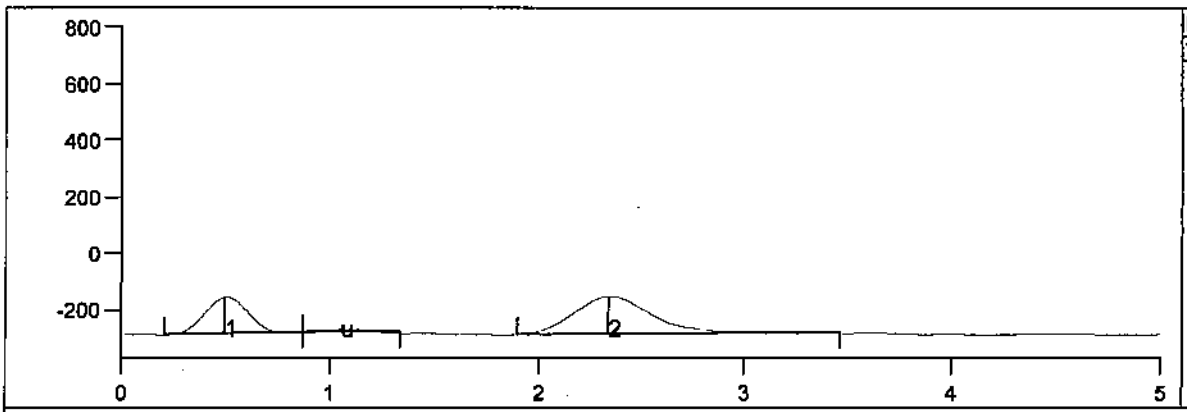


Date: 3/11/14
Time: 2:39 PM

Peak	rt	Height
1	0.50	116
2	2.34	93
u	1.06	17

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
44	B	CCB	SEQ-CCB		u	17	0.106		0.106	< 1.15	accept
Notes											



Date: 3/11/14
Time: 3:59 PM

Peak	rt	Height
1	0.50	134
2	2.34	139
u	1.06	13

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
56	B	CCB	SEQ-CCB		u	13	0.0807		0.0807	< 1.15	accept
Notes											

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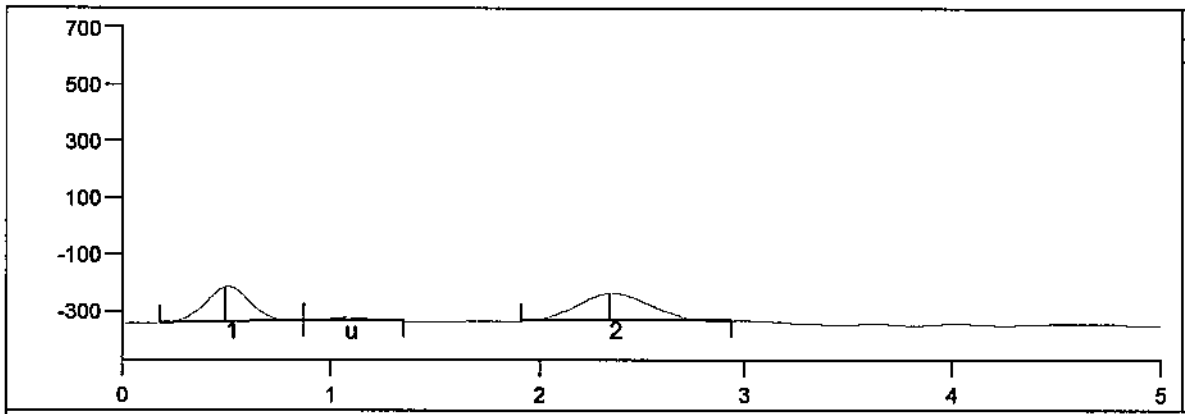
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

Project Number(s): 1400195
Instrument ID: MMHG-09

Date Analyzed: 3/11/14
Analyst Name: AAP

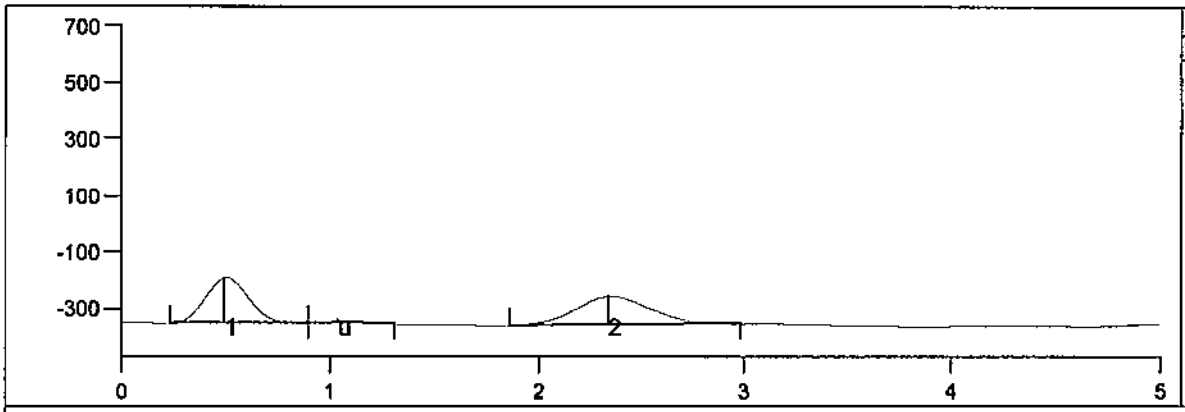


Date: 3/11/14
Time: 4:59 PM

Peak	rt	Height
1	0.50	126
2	2.34	103
u	1.06	13

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
65	B	CCB	SEQ-CCB		u	13	0.0807		0.0807	< 1.15	accept
Notes											

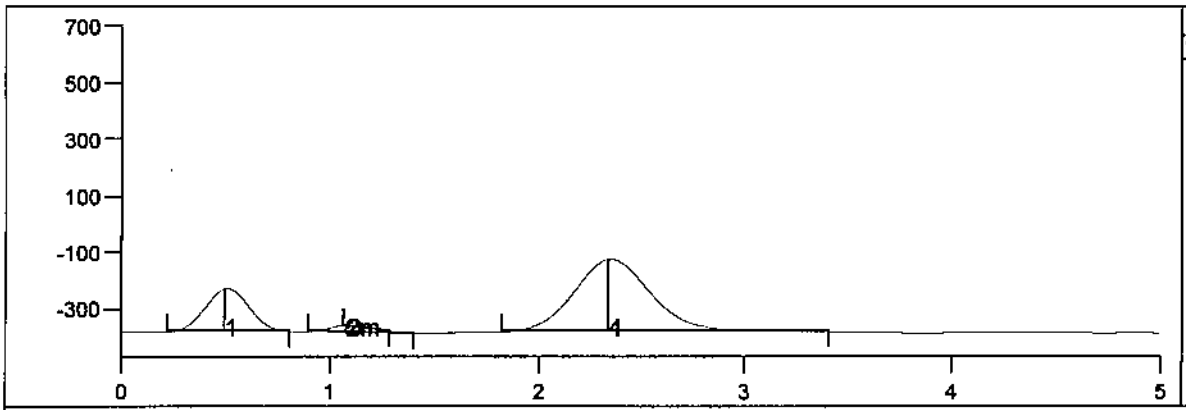


Date: 3/11/14
Time: 5:05 PM

Peak	rt	Height
1	0.50	166
2	2.33	105
u	1.04	11

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
66	C	CCB	SEQ-CCB		u	11	0.0683		0.0683	< 1.15	accept
Notes											



Date: 3/11/14
Time: 5:25 PM

Peak	rt	Height
1	0.50	157
2m	1.08	25
3	1.08	2
4	2.34	262

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
69	C	S	B140367-BLK1		2m	25	0.106	0.00		< HS	accept
Notes											

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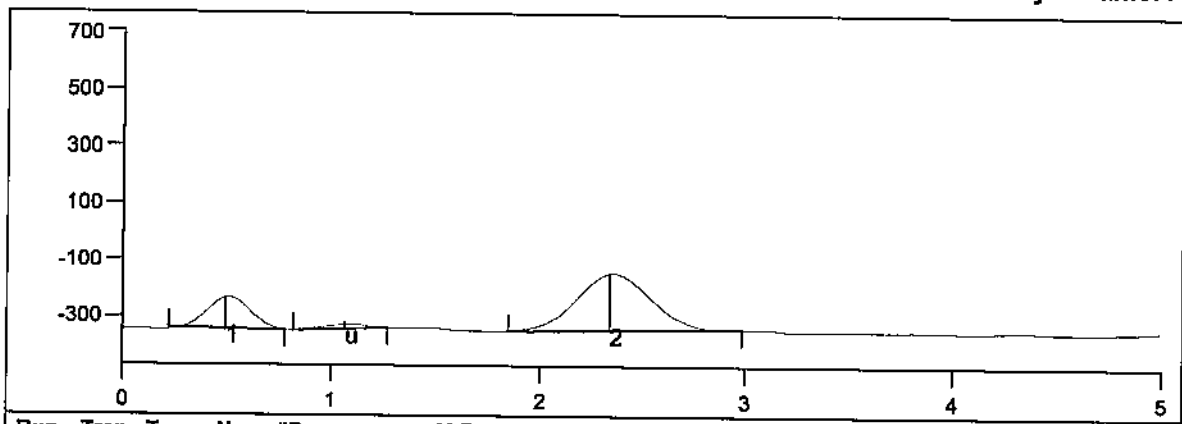
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

Project Number(s): 1400195
Instrument ID: MMHG-09

Date Analyzed: 3/11/14
Analyst Name: AAP

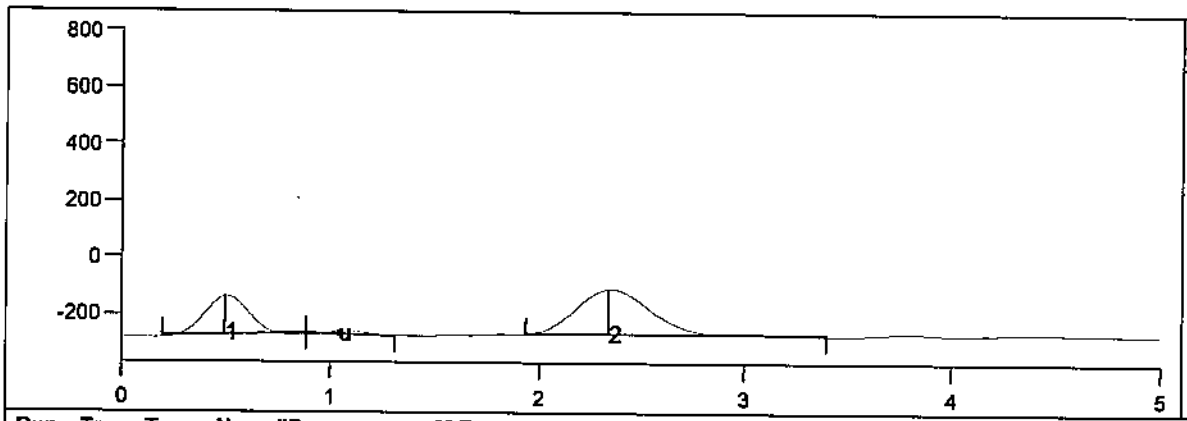


Date: 3/11/14
Time: 6:39 PM

Peak	rt	Height
1	0.50	115
2	2.34	205
u	1.06	16

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
80	B	CCB	SEQ-CCB		u	16	0.0994		0.0994	< 1.15	accept
Notes											

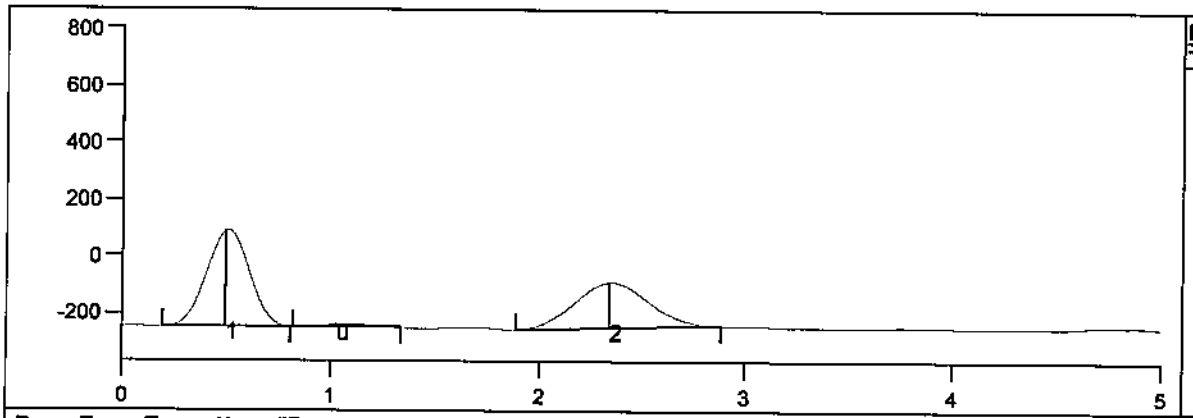


Date: 3/11/14
Time: 7:25 PM

Peak	rt	Height
1	0.50	146
2	2.34	166
u	1.04	13

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
87	C	CCB	SEQ-CCB		u	13	0.0807		0.0807	< 1.15	accept
Notes											



Date: 3/11/14
Time: 7:32 PM

Peak	rt	Height
1	0.50	343
2	2.34	166
u	1.02	12

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
88	A	S	B140345-BLK1		u	12	0.0248	0.00		< HS	accept
Notes											

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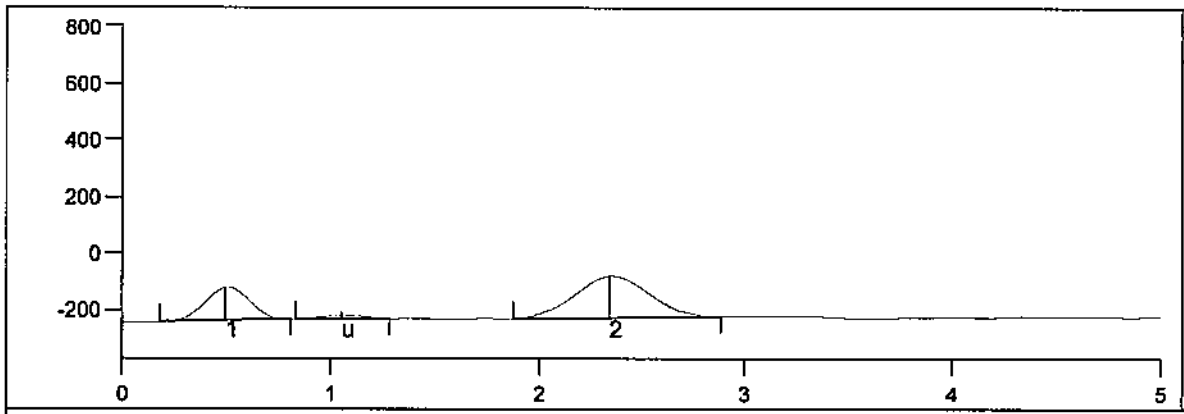
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

Project Number(s): 1400195
Instrument ID: MMHG-09

Date Analyzed: 3/11/14
Analyst Name: AAP



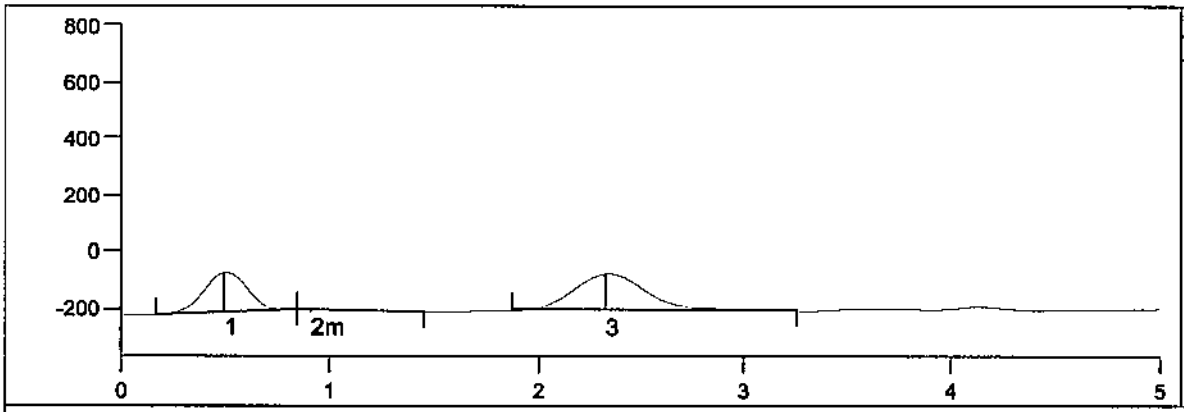
Date: 3/11/14
Time: 7:39 PM

Peak	rt	Height
1	0.50	121
2	2.34	150
u	1.05	16

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
89	B	S	B140345-BLK2		u	16	0.0497	0.00		< HS	accept

Notes



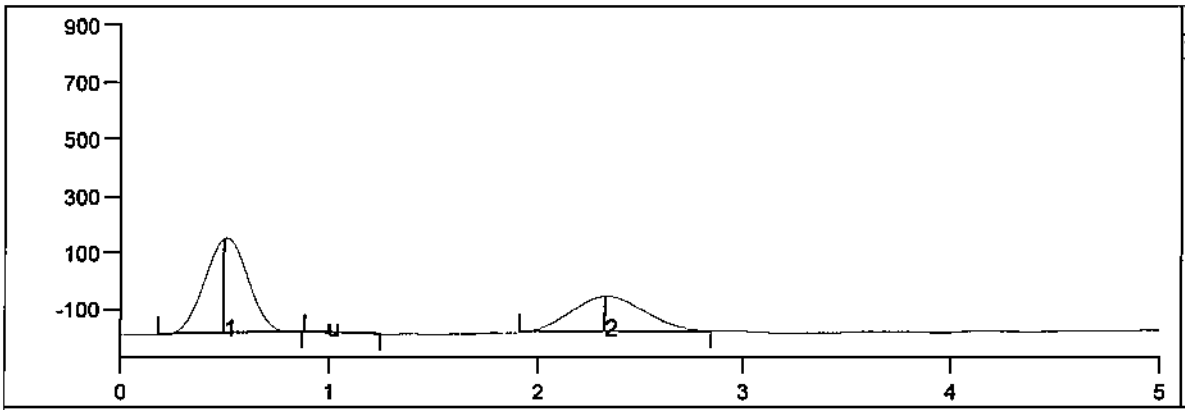
Date: 3/11/14
Time: 7:45 PM

Peak	rt	Height
1	0.50	143
2m	0.90	2
3	2.32	131

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
90	C	S	B140345-BLK3		2m	2	-0.0373	0.00		< HS	accept

Notes



Date: 3/11/14
Time: 7:52 PM

Peak	rt	Height
1	0.50	345
2	2.32	131
u	0.99	5

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
91	A	S	B140345-BLK4		u	5	-0.0186	0.00		< HS	accept

Notes

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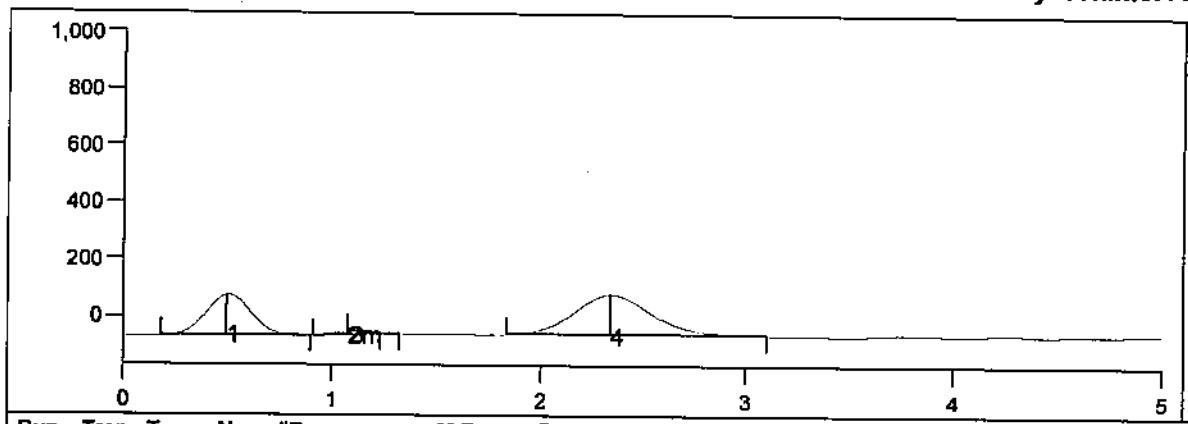
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

Project Number(s): 1400195
Instrument ID: MMHG-09

Date Analyzed: 3/11/14
Analyst Name: AAP

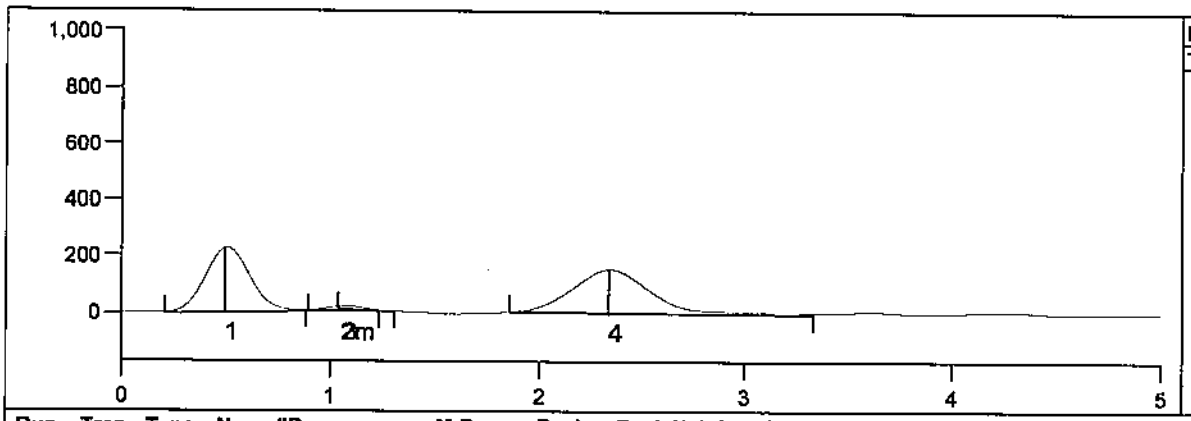


Date: 3/11/14
Time: 8:45 PM

Peak	rt	Height
1	0.50	148
2m	1.08	14
3	1.09	1
4	2.33	146

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
99	C	CCB	SEQ-CCB		2m	14	0.0869		0.0869	< 1.15	accept
Notes											

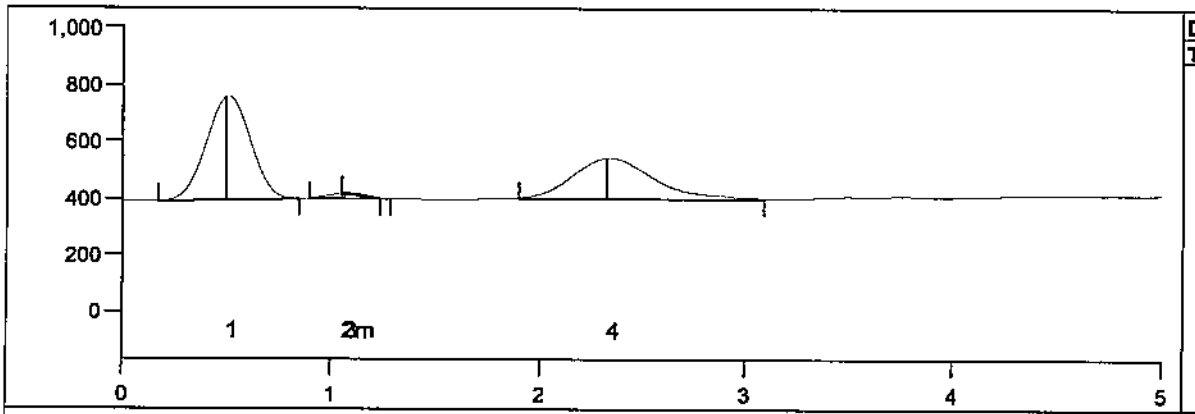


Date: 3/11/14
Time: 11:05 PM

Peak	rt	Height
1	0.50	223
2m	1.05	15
3	1.06	2
4	2.33	150

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
120	C	S	B140300-BLK2		2m	15	0.0435	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 1:32 AM

Peak	rt	Height
1	0.50	366
2m	1.06	19
3	1.06	2
4	2.32	141

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
142	A	CCB	SEQ-CCB		2m	19	0.118		0.118	< 1.15	accept
Notes											

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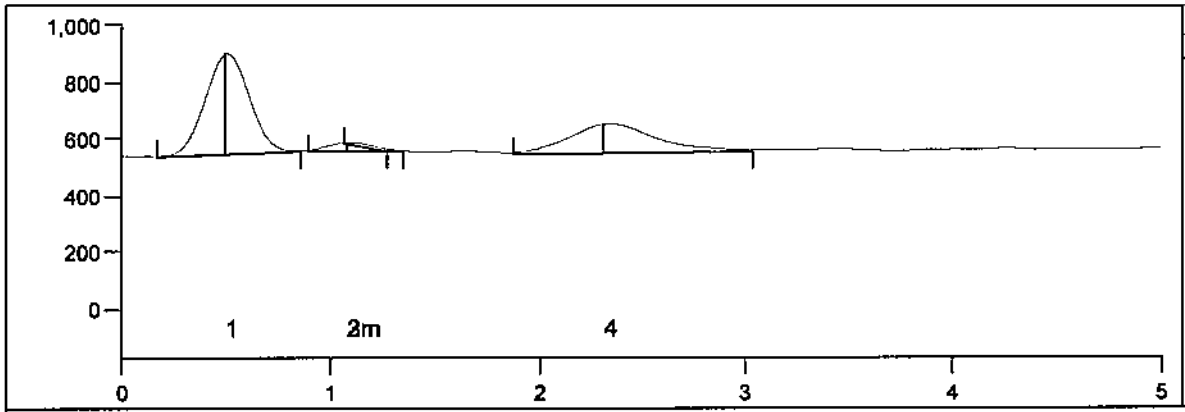
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

Project Number(s): 1400195
Instrument ID: MMHG-09

Date Analyzed: 3/11/14
Analyst Name: AAP

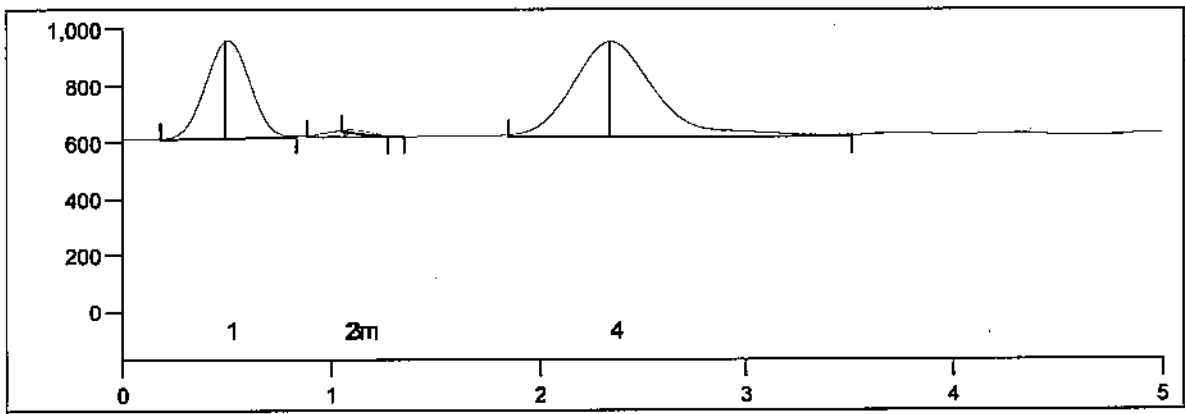


Date: 3/12/14
Time: 2:12 AM

Peak	rt	Height
1	0.50	353
2m	1.08	28
3	1.08	2
4	2.32	97

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
148	A	S	1408020-14		2m	28	0.124	0.00		< HS	accept
Notes											

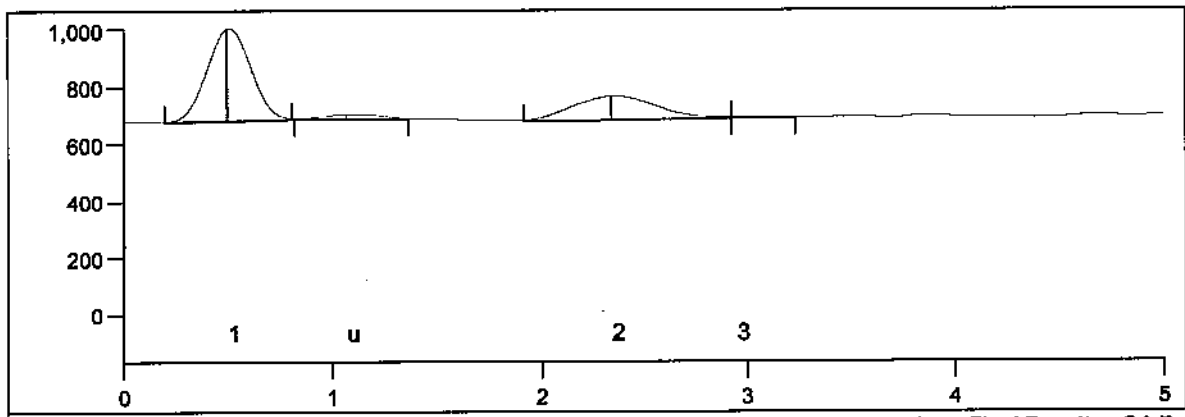


Date: 3/12/14
Time: 2:32 AM

Peak	rt	Height
1	0.50	341
2m	1.06	21
3	1.07	2
4	2.33	327

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
151	A	S	1408020-17		2m	21	0.0807	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 2:52 AM

Peak	rt	Height
1	0.50	324
2	2.34	80
3	2.94	1
u	1.06	13

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
154	A	CCB	SEQ-CCB		u	13	0.0807		0.0807	< 1.15	accept
Notes											

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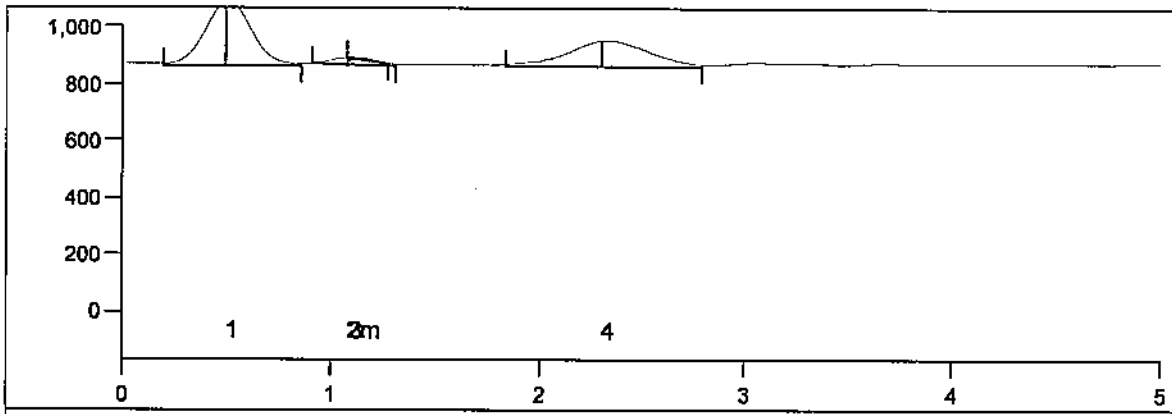
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

Project Number(s): 1400195
Instrument ID: MMHG-09

Date Analyzed: 3/11/14
Analyst Name: AAP



Date: 3/12/14
Time: 4:05 AM

Peak	rt	Height
1	0.50	223
2m	1.08	21
3	1.09	2
4	2.31	83

CWB
3/12/14

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
165	C	CCB	SEQ-CCB		2m	21	0.130		0.130	< 1.15	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.

n. User integrated peak due to dip in hydride baseline.

o. Modified peak start due to dip in hydride baseline.

dp. Two peaks within retention time window (MMAs/DMAs). Double peak integrated by analyst.

SOP(s)/Rev#(s):BR-0011 Rev013e

MeHg Analysis Benchsheet: MeHg MERX-M

CWB 3/12/14

Sequence: 1400195 Batches: B140336,367,345,272,300

Analyst: AAP Date: 3/11/2014 Instrument ID: BR-09

1 ng/mL std ID: 1409010 NaBEt$_4$ ID: 1406052

0.01 ng/mL std ID: 1409015 Acetate Buffer ID: 1405027

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	--		#4 @0828
	2	Rinse	--		u
	3	Rinse	--		
	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	--		
	19	SEQ-CCB	--		
	20	SEQ-CCB	--		
	21	B140336-BLK1	30.38		
	22	B140336-BLK2	29.69		
	23	B140336-BLK3	30.14		
	24	B140336-BLK4	29.82		u

	25	B140336-BS1	30.29		
	26	B140336-BS2	30.20		
	27	1409035-30	30.15		
	28	1410023-04	29.88		
	29	1410023-05	30.17		
	30	1410023-06	29.66		
	31	SEQ-CCV	0.025		1 ng/mL
	32	SEQ-CCB	--		U
	33	1410023-10	30.13		
	34	1410023-11	29.87		
	35	1410023-12	30.87		
	36	1409035-02	29.96		
	37	1409035-04	30.23		
	38	1409035-06	30.42		
	39	1409035-08	29.72		
	40	1409035-10	30.19		
	41	1409035-12	29.91		
	42	1409035-14	29.88		
	43	SEQ-CCV	0.025		1 ng/mL
	44	SEQ-CCB	--		U
	45	1409035-16	30.09		
	46	1409035-18	29.71		
	47	1409035-20	29.77		
	48	1409035-22	29.95		

	49	1409035-24	29.87		
	50	1409035-26	30.37		
	51	1409035-28	29.91		
	52	1410023-01	29.86		
	53	B140336-MS1	30.23		
	54	B140336-MSD1	29.83		
	55	SEQ-CCV	0.025		1 ng/mL
	56	SEQ-CCB	--		u
	57	1410023-02	29.74		
	58	1410023-03	30.10		
	59	1410023-07	30.09		
	60	1410023-08	30.00		
	61	1410023-09	30.59		
	62	B140336-MS2	29.85		
	63	B140336-MSD2	29.67		
	64	SEQ-CCV	0.025		1ng/mL
	65	SEQ-CCB	--		u
	66	SEQ-CCB	--		1
	67	SEQ-CCV	0.025		1ng/mL
	68	SEQ-CCB	--		
	69	B140367-BLK1	5		m
	70	B140367-BLK2	5		
	71	B140367-BLK3	5		
	72	B140367-BLK4	5		

3·11·14 AAP 3·11·14 AAP

	73	B140367-SRM1	5		#5 ~~1135~~ 0800
	74	B140367-BS1	5		1400
	75	B140367-BS2	5		
	76	B140367-BS3	5		
	77	B140367-BS4	5		
	78	B140367-BS5	5		
	79	SEQ-CCV	0.025		1 ng/mL
	80	SEQ-CCB	--		u
	81	B140367-BS6	5		
	82	B140367-BS7	5		
	83	B140367-BS8	5		
	84	B140367-BS9	5		
	85	B140367-BSA	5		
	86	SEQ-CCV	0.025		1 ng/mL
	87	SEQ-CCB	--		u
	88	B140~~234~~345-BLK1	0.03		
	89	B140~~234~~345-BLK2	0.03		l
	90	B140~~234~~345-BLK3	0.03		m
	91	B140~~234~~345-BLK4	0.03		u
	92	B140345-SRM1	0.03		
	93	B140345-BS1	0.03		
	94	B140345-BS2	0.03		
	95	B140345-BS3	0.03		
	96	B140345-BS4	0.03		

	97	B140345-BS5	0.03		
	98	SEQ-CCV	0.025		1 ng/mL
	99	SEQ-CCB	--		M
	100	B140345-BS6	0.03		
	101	B140345-BS7	0.03		
	102	B140345-BS8	0.03		
	103	B140345-BS9	0.03		
	104	B140345-BSA	0.03		
	105	B140345-BSB	0.03		
	106	B140345-BSC	0.03		
	107	B140345-BSD	0.03		
	108	SEQ-CCV	0.025		1 ng/mL
	109	SEQ-CCB	--		
	110	B140272-SRM2	0.03		RERUN OF SRM1
	111	B140272-SRM3	0.03		RERUN OF SRM1
	112	1406034-05 RE1	0.03		
	113	1406034-06	0.03		
	114	1406034-07	0.03		
	115	1406034-08	0.03		
	116	1406034-09	0.03		
	117	SEQ-CCV	0.025		1 ng/mL
	118	SEQ-CCB	--		
	119	B140300-BLK1	0.03		
	120	B140300-BLK2	0.03		M

5 of ~~12~~ 9 5.11.14 MP

	121	B140300-BLK3	0.03		
	122	B140300-BLK4	0.03		
	123	B140300-SRM1	0.03		
	124	B140300-SRM2	0.03		
	125	1408020-01	0.03		
	126	B140300-DUP1	0.03		
	127	B140300-MS1	0.03		
	128	B140300-MSD1	0.03		
	129	SEQ-CCV	0.025		1 ng/mL
	130	SEQ-CCB	--		
	131	1408020-02	0.03		
	132	1408020-03	0.03		
	133	1408020-04	0.03		
	134	1408020-05	0.03		
	135	1408020-06	0.03		
	136	1408020-07	0.03		
	137	1408020-08	0.03		
	138	1408020-09	0.03		
	139	1408020-10	0.03		
	140	B140300-DUP2	0.03		
	141	SEQ-CCV	0.025		1 ng/mL
	142	SEQ-CCB	--		m
	143	B140300-MS2	0.03		
	144	B140300-MSD2	0.03		

	145	1408020-11	0.03		#23 @ 1445
	146	1408020-12	0.03		
	147	1408020-13	0.03		
	148	1408020-14	0.03		m
	149	1408020-15	0.03		
	150	1408020-16	0.03		
	151	1408020-17	0.03		m
	152	1408020-18	0.03		
	153	SEQ-CCV	0.025		1 ng/mL
	154	SEQ-CCB	--		~~AA~~ U 3-12-14 AA
	155	1408020-19	0.03		
	156	1408020-20	0.03		m
	157	B140300-DUP3	0.03		U
	158	B140300-MS3	0.03		
	159	B140300-MSD3	0.03		
	160	1408020-21	0.03		
	161	1408020-22	0.03		
	162	1408020-23	0.03		
	163	1408020-24	0.03		m
	164	SEQ-CCV	0.025		1 ng/mL
	165	SEQ-CCB	--		m
	166	Waste	—		
	167	RINSE	—		
	168	↓	—		

1	169	RINSE	—		#8 @ 1/09
2	170	SEQ- ICV	0.1		1mg/mL ICV Std
3	171	-CCV	0.025		1mg/mL
4	172	-CCB	—		
5	173	B140272-BS2	0.03		rerun of BS1
6	174	1406034-01RE1			
7	175	-06RE2			
8	176	SEQ-CCV	0.025		1mg/mL
9	177	-CCB	—		
10	178				
11	179				
12	180				
13	181				
14	182				
15	183				
16	184				3/12/14 BF
17	185				
18	186				
19	187				
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				
38	206				3/12/14
39	207				BA
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 01b2

Prepped By: MR

Batch: B140300

Preparation Start Date/Time*: 3.3.14 / 1145

Preparation End Date/Time**: ~~14~~ 3.4.14 / 1415

* Time is when the first reagents are added.

** Time is when the last sample is brought upto volume

Sample ID	Sample Mass (g)
1408020-01 QC1	0.0911
1408020-02	0.1011
1408020-03	0.0941
1408020-04	0.0986
1408020-05	0.0952
1408020-06	0.1034
1408020-07	0.0940
1408020-08	0.0981
1408020-09	0.1056
1408020-10 QC2	0.0954
1408020-11	0.0944
1408020-12	0.1069
1408020-13	0.1072
1408020-14	0.0908
1408020-15	0.0970
1408020-16	0.0980
1408020-17	0.0904
1408020-18	0.0920

Sample ID	Sample Mass (g)
1408020-19	0.0957
1408020-20 QC3	0.0987
1408020-21	0.0939
1408020-22	0.1000
1408020-23	0.0915
1408020-24	0.0962
B140300-BLK1	–
B140300-BLK2	–
B140300-BLK3	–
B140300-BLK4	–
B140300-DUP1	0.0921
B140300-DUP2	0.0926
B140300-DUP3	0.0901
B140300-MS1	0.0905
B140300-MS2	0.0948
B140300-MS3	0.0938
B140300-MSD1	0.0917
B140300-MSD2	0.1011

Sample ID	Sample Mass (g)
B140300-MSD3	0.0948
B140300-SRM1	0.0477
B140300-SRM2	0.0479

MR 3/3/14

Batch QC ID	Sample Source	Spike vol (uL)	Spike conc (ng/mL)	Spike/CRM ID	Spike Witness
Dup/MS/MSD1	1408020-01	20	1000	~~1343033~~ 3-10-14 MR 1349033	3/3/14 1351
Dup/MS/MSD2	-10				
Dup/MS/MSD3	-20				
SRM1 & 2	TORT-3	–	–	1327017	–

MR 3/3/14

Target Temp/Time:	65 C/4 hours
Oven ID:	OV-07
Oven Temp (measured / corrected):	67 °C / 66 °C
time on:	1210
time off:	1610
Balance ID:	BL-08
Thermometer ID:	TM4
Final Dilution Volume:	2.5mL

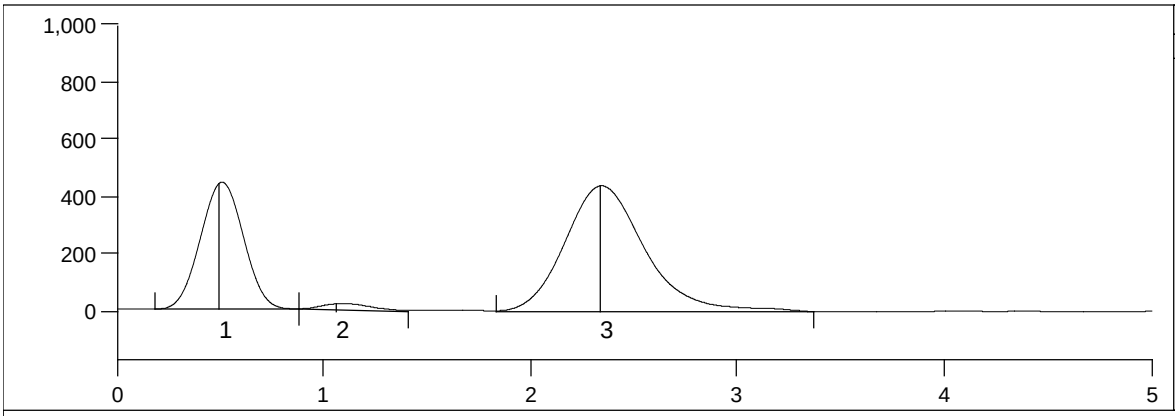
Reagent	ID
1 mL KOH/Me	1409007
Methanol	1331053

Comments: Sample aliquots massed on 02/24 by IRJ then stored in the walk-in freezer until prep. date.

Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

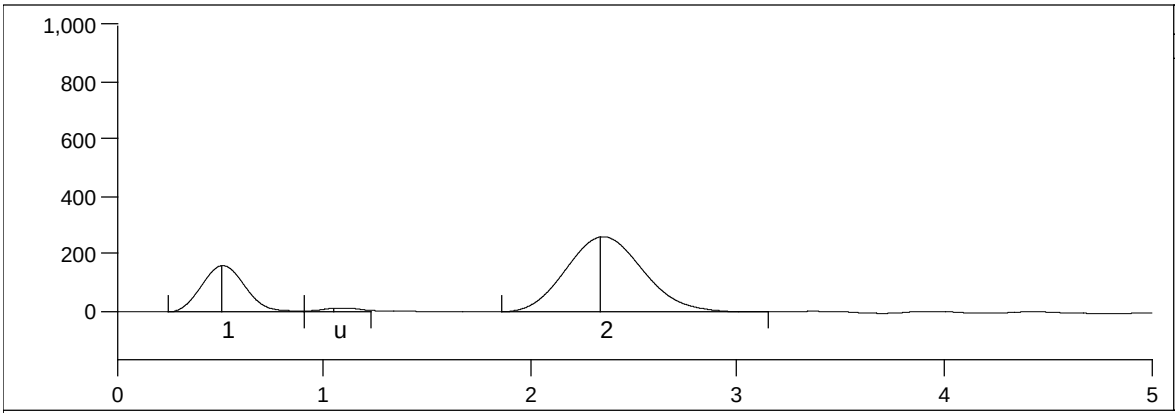
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 9:52 AM

Peak	rt	Height
1	0.50	445
2	1.06	21
3	2.34	438

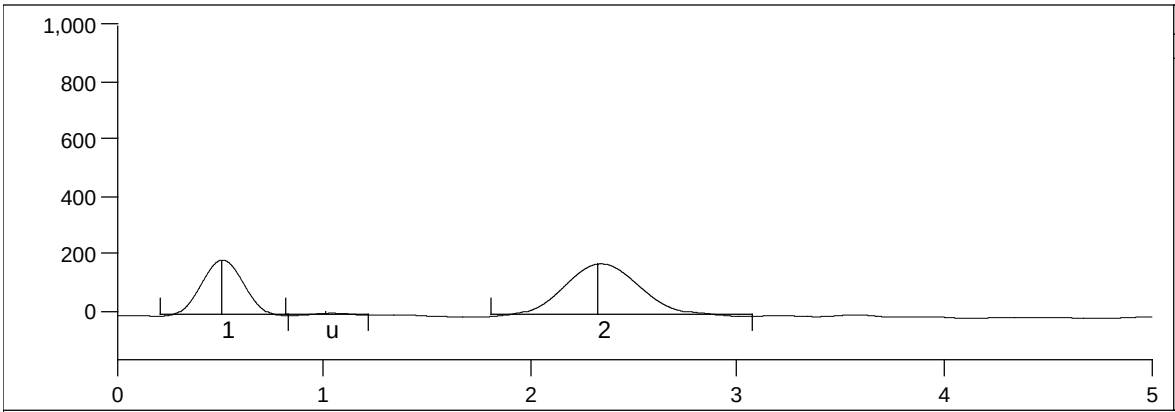
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
1	A	Rins	Rinse		2	21	0.130	0.00	0.00	< 0.05	accept
Notes											



Date: 3/11/14
Time: 9:59 AM

Peak	rt	Height
1	0.50	162
2	2.34	263
u	1.05	11

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
2	B	Rins	Rinse		u	11	0.0683	0.00	0.00	< 0.05	accept
Notes											



Date: 3/11/14
Time: 10:05 AM

Peak	rt	Height
1	0.50	199
2	2.33	187
u	1.02	9

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
3	C	Rins	Rinse		u	9	0.0559	0.00	0.00	< 0.05	accept
Notes											

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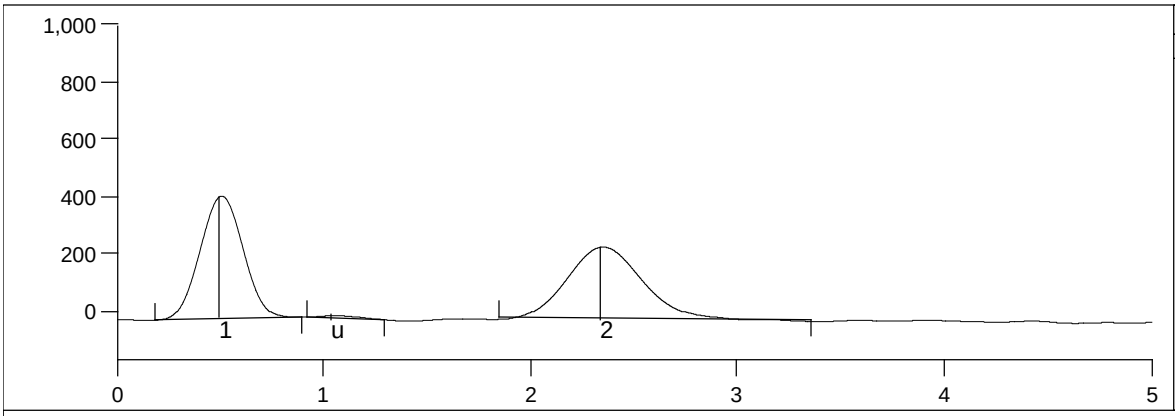
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP

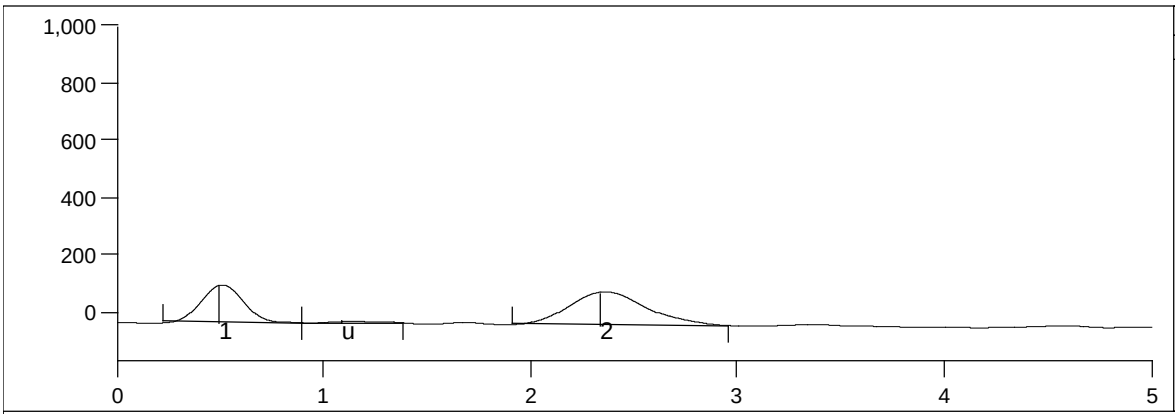


Date: 3/11/14
Time: 10:12 AM

Peak	rt	Height
1	0.50	433
2	2.34	258
u	1.04	8

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
4	A	CB	SEQ-IBL		u	8	0.0497		0.0497	< 1.4	accept

Notes

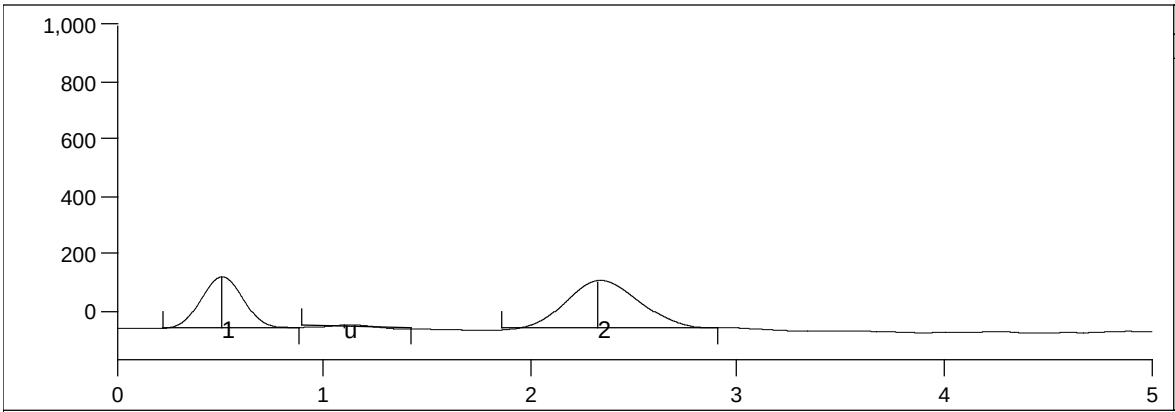


Date: 3/11/14
Time: 10:19 AM

Peak	rt	Height
1	0.50	135
2	2.34	118
u	1.08	6

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
5	B	CB	SEQ-IBL		u	6	0.0373		0.0373	< 1.4	accept

Notes



Date: 3/11/14
Time: 10:25 AM

Peak	rt	Height
1	0.50	182
2	2.33	173
u	1.10	10

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
6	C	CB	SEQ-IBL		u	10	0.0621		0.0621	< 1.4	accept

Notes

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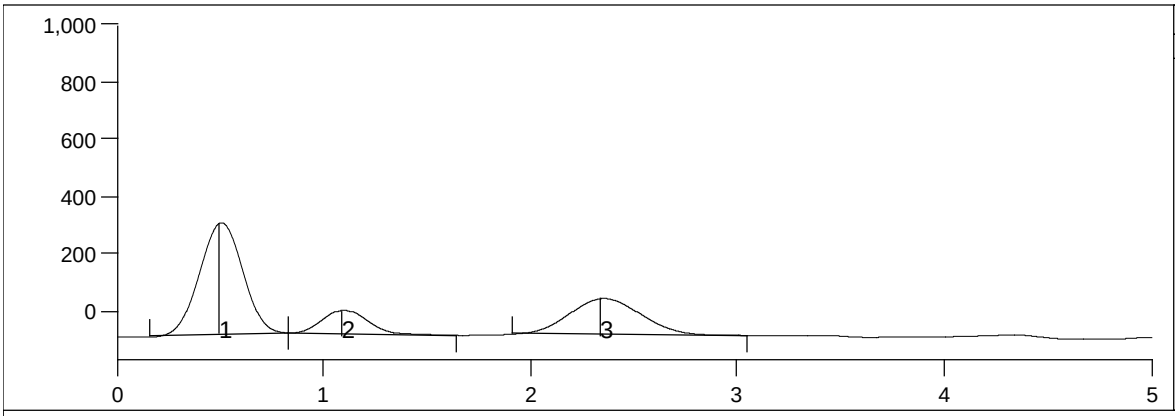
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

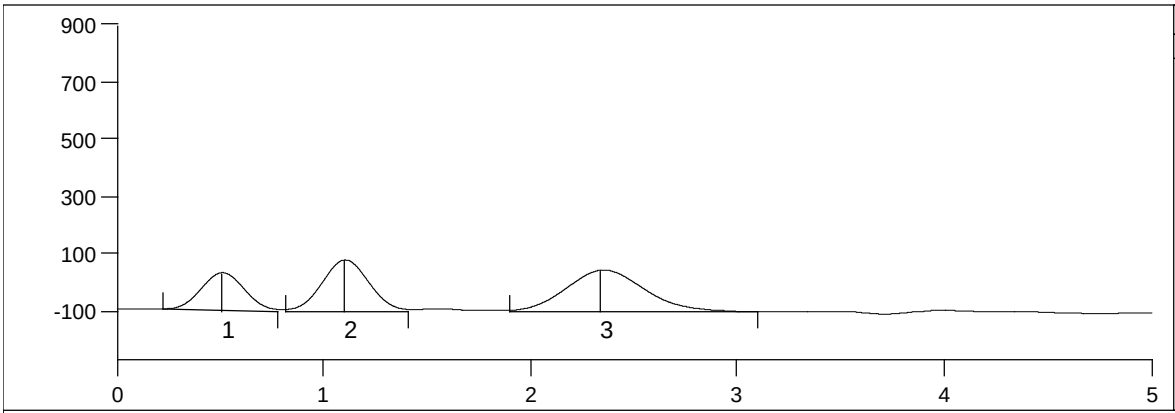
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 10:32 AM

Peak	rt	Height
1	0.50	396
2	1.08	83
3	2.34	129

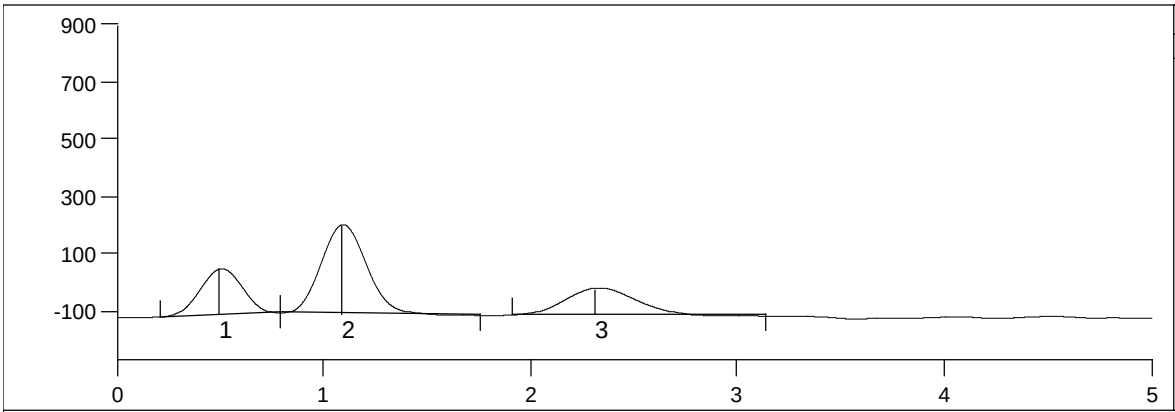
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
7	A	STD	SEQ-CAL1		2	83	0.466		93.2	65-135	accept
Notes											



Date: 3/11/14
Time: 10:39 AM

Peak	rt	Height
1	0.50	128
2	1.10	174
3	2.34	143

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
8	B	STD	SEQ-CAL2		2	174	1.03		103	65-135	accept
Notes											



Date: 3/11/14
Time: 10:45 AM

Peak	rt	Height
1	0.50	164
2	1.09	314
3	2.31	97

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
9	C	STD	SEQ-CAL3		2	314	1.90		95.0	65-135	accept
Notes											

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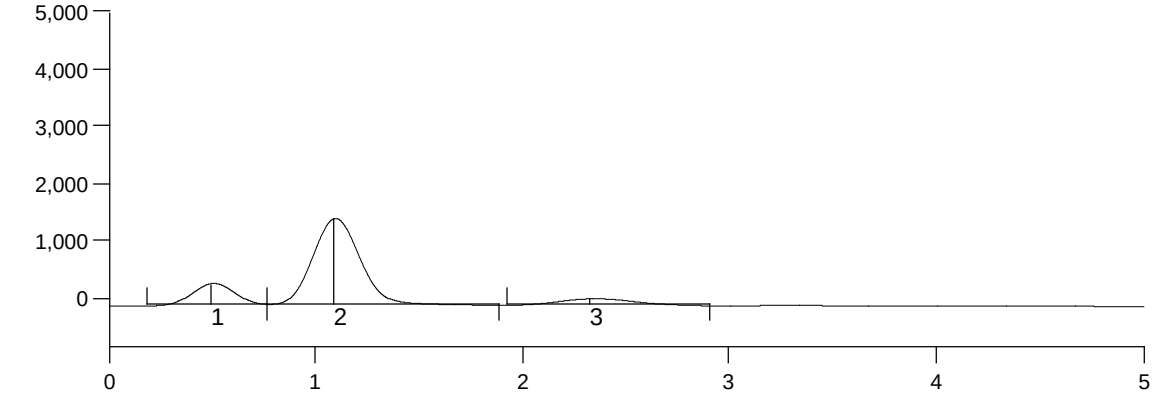
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP

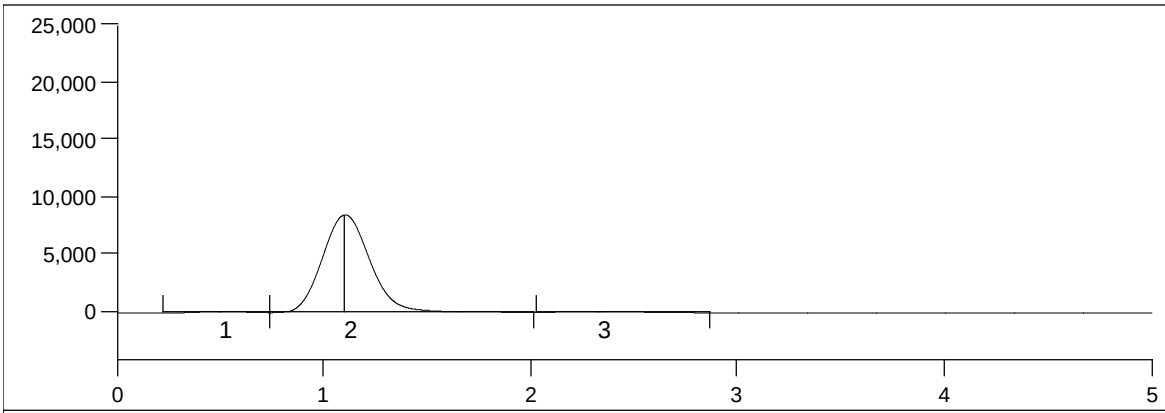


Date: 3/11/14
Time: 10:52 AM

Peak	rt	Height
1	0.50	391
2	1.09	1,522
3	2.33	118

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
10	A	STD	SEQ-CAL4		2	1,522	9.40		94.0	65-135	accept

Notes

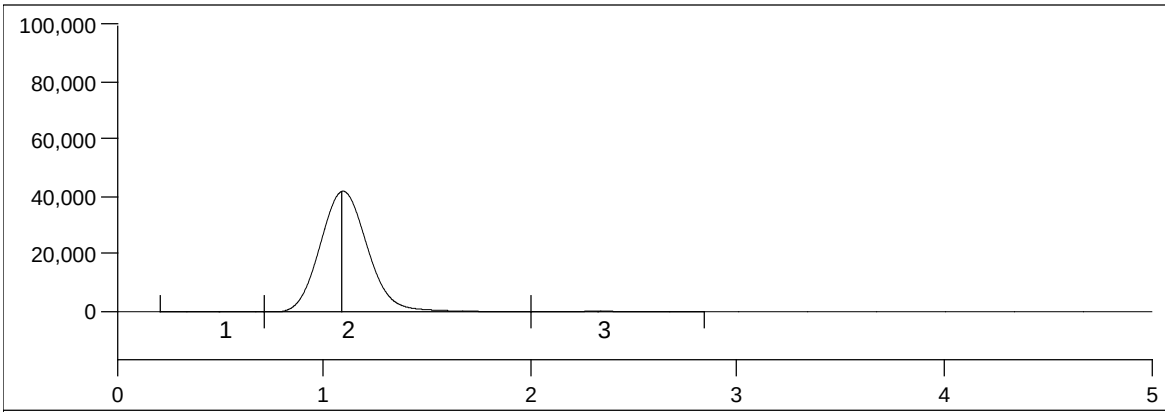


Date: 3/11/14
Time: 10:59 AM

Peak	rt	Height
1	0.50	143
2	1.10	8,627
3	2.32	97

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
11	B	STD	SEQ-CAL5		2	8,627	53.5		107	65-135	accept

Notes



Date: 3/11/14
Time: 11:05 AM

Peak	rt	Height
1	0.50	331
2	1.09	42,401
3	2.32	239

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
12	C	STD	SEQ-CAL6		2	42,401	263		105	65-135	accept

Notes

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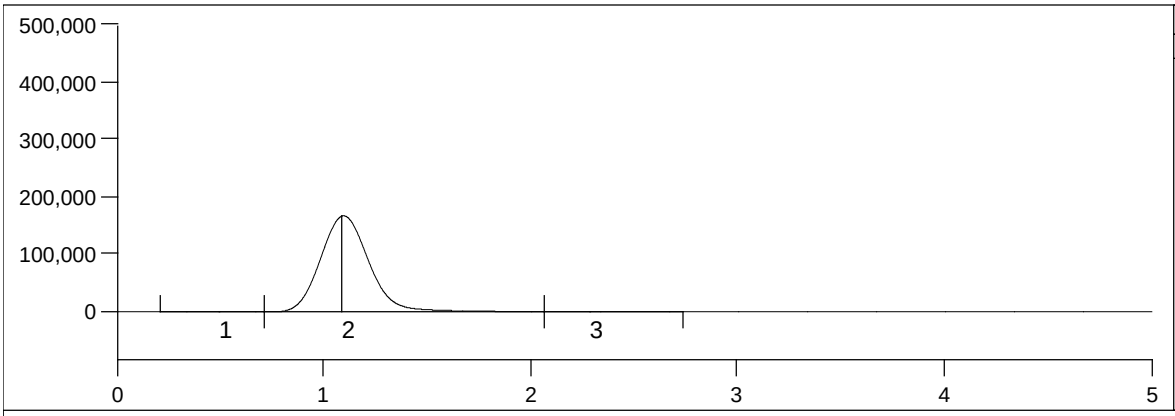
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

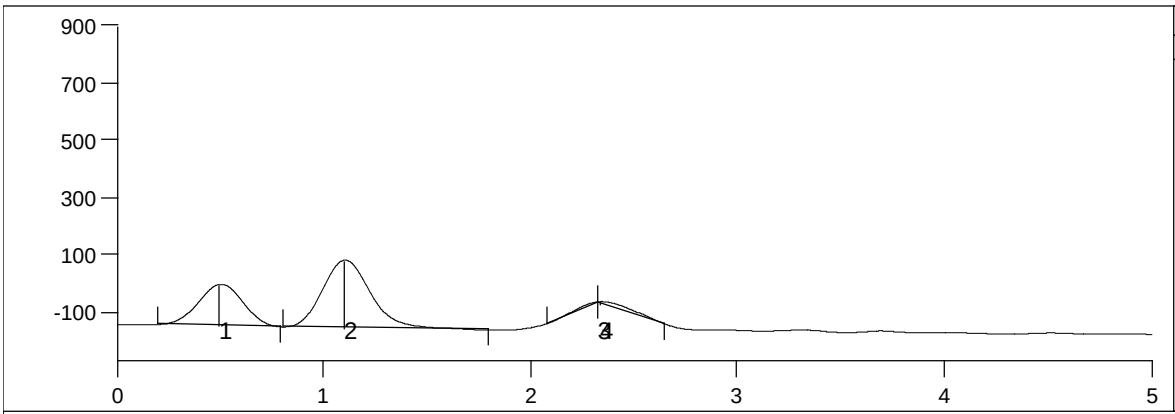
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 11:12 AM

Peak	rt	Height
1	0.50	1,178
2	1.09	168,337
3	2.29	315

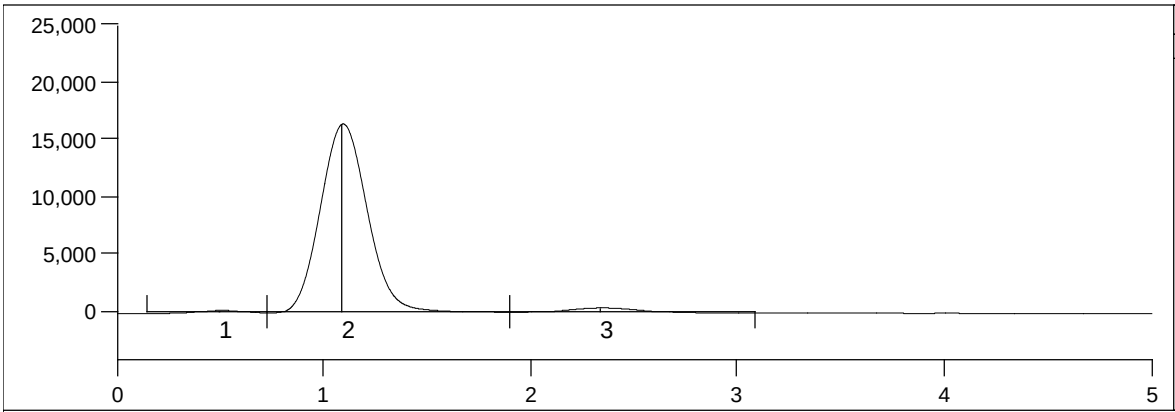
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
13	A	STD	SEQ-CAL7		2	168,337	1,050		105	65-135	accept
Notes											



Date: 3/11/14
Time: 11:19 AM

Peak	rt	Height
1	0.49	147
2	1.10	240
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
14	B	CCB	SEQ-CCB		2	240	1.49		1.49	< 1.15	reject
Notes											



Date: 3/11/14
Time: 11:25 AM

Peak	rt	Height
1	0.50	294
2	1.09	16,598
3	2.34	461

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
15	C	ICV	SEQ-ICV		2	16,598	103		103	80-120	accept
Notes											

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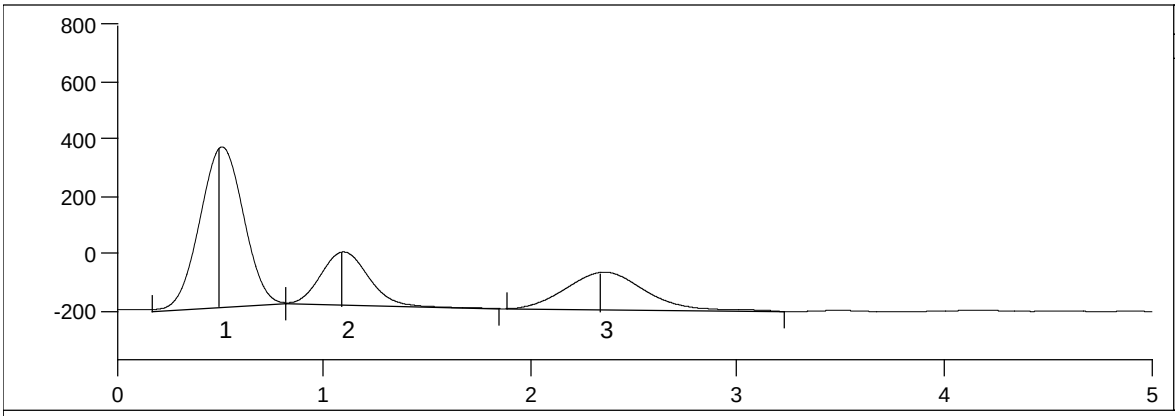
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

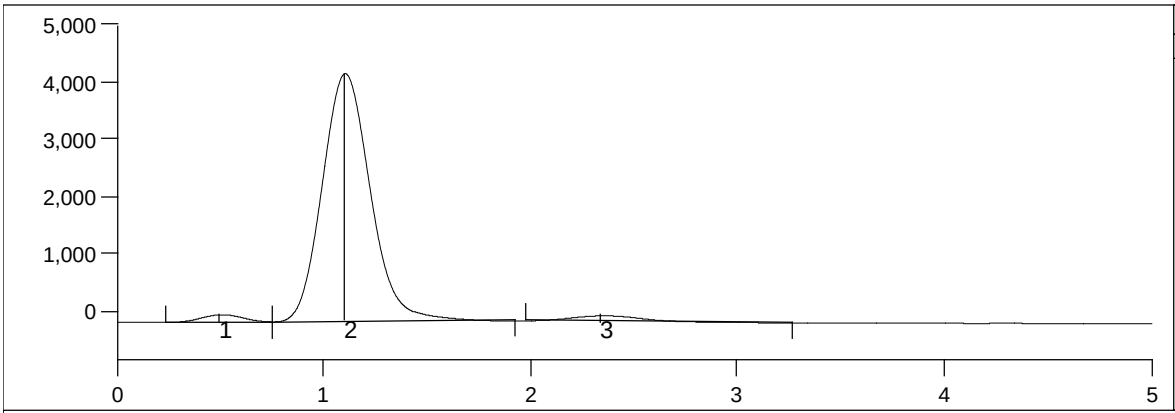
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 11:32 AM

Peak	rt	Height
1	0.50	559
2	1.09	184
3	2.34	130

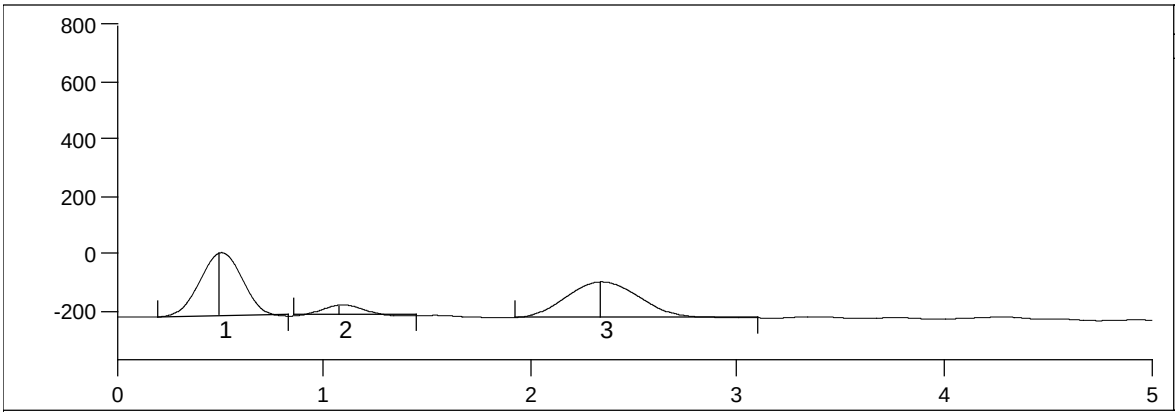
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
16	A	CCB	SEQ-CCB		2	184	1.14		1.14	< 1.15	accept
Notes											



Date: 3/11/14
Time: 11:39 AM

Peak	rt	Height
1	0.50	133
2	1.10	4,359
3	2.34	100

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
17	B	CCV	SEQ-CCV		2	4,359	27.0		108	67-133	accept
Notes											



Date: 3/11/14
Time: 11:45 AM

Peak	rt	Height
1	0.50	227
2	1.08	41
3	2.34	128

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
18	C	CCB	SEQ-CCB		2	41	0.255		0.255	< 1.15	accept
Notes											

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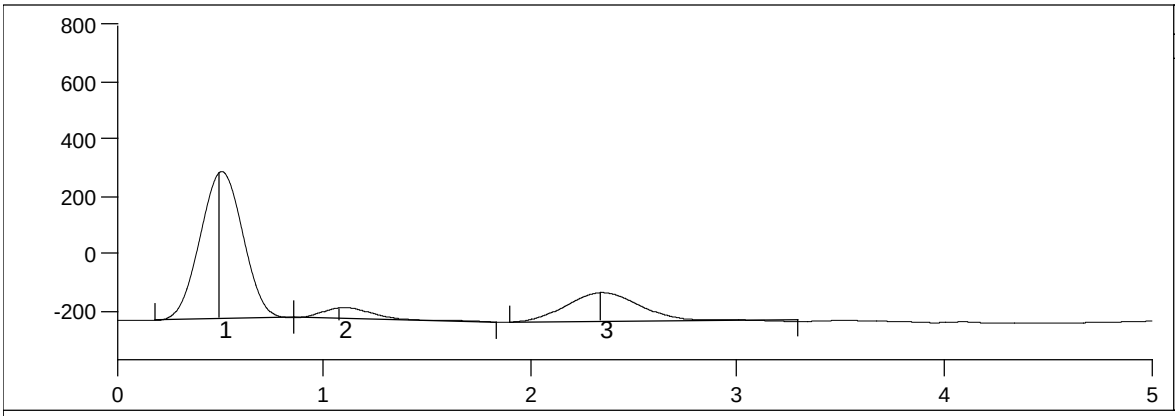
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

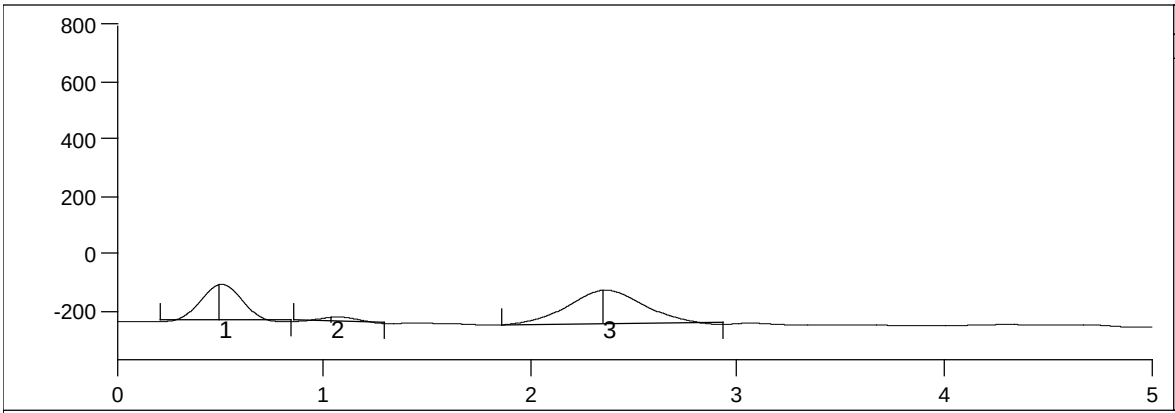
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 11:52 AM

Peak	rt	Height
1	0.50	520
2	1.08	42
3	2.34	106

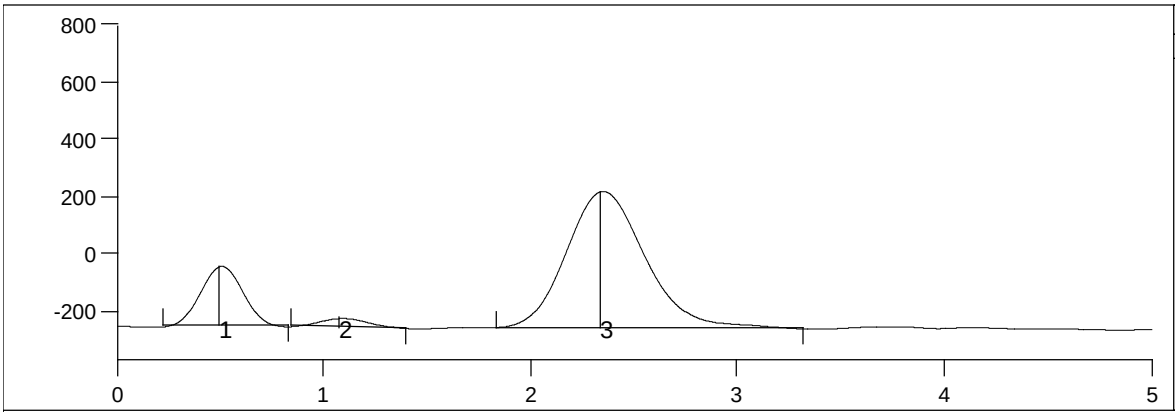
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
19	A	CCB	SEQ-CCB		2	42	0.261		0.261	< 1.15	accept
Notes											



Date: 3/11/14
Time: 11:59 AM

Peak	rt	Height
1	0.50	134
2	1.04	18
3	2.35	123

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
20	B	CCB	SEQ-CCB		2	18	0.112		0.112	< 1.15	accept
Notes											



Date: 3/11/14
Time: 12:05 PM

Peak	rt	Height
1	0.50	214
2	1.08	31
3	2.34	480

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
21	C	S	B140336-BLK1		2	31	0.143	0.00		< HS	accept
Notes											

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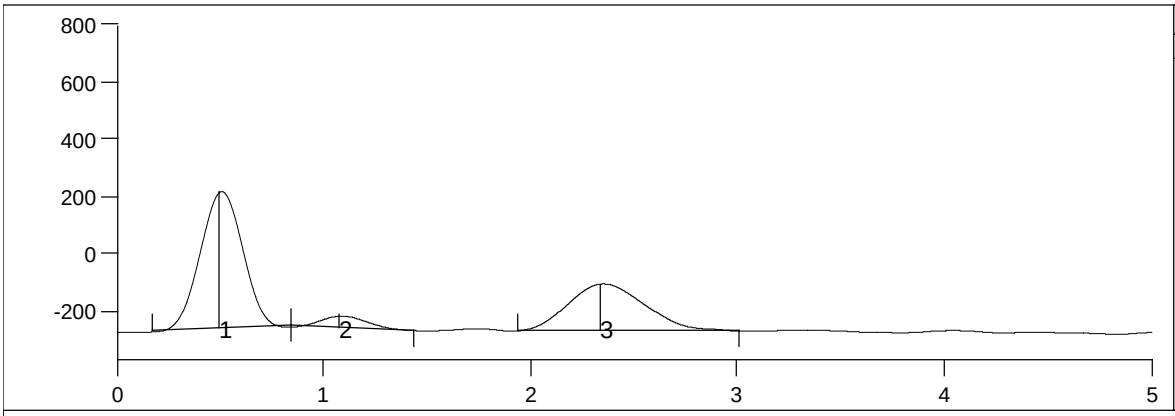
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

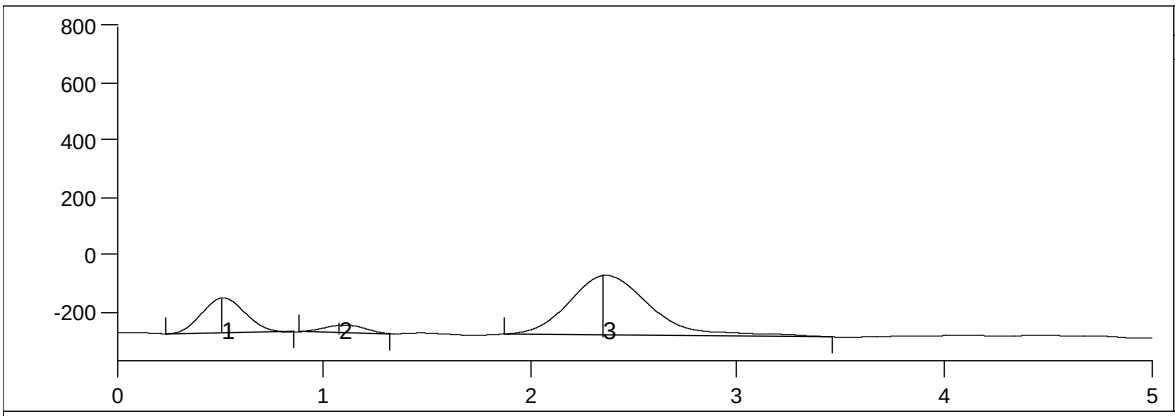
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 12:12 PM

Peak	rt	Height
1	0.50	486
2	1.07	42
3	2.34	167

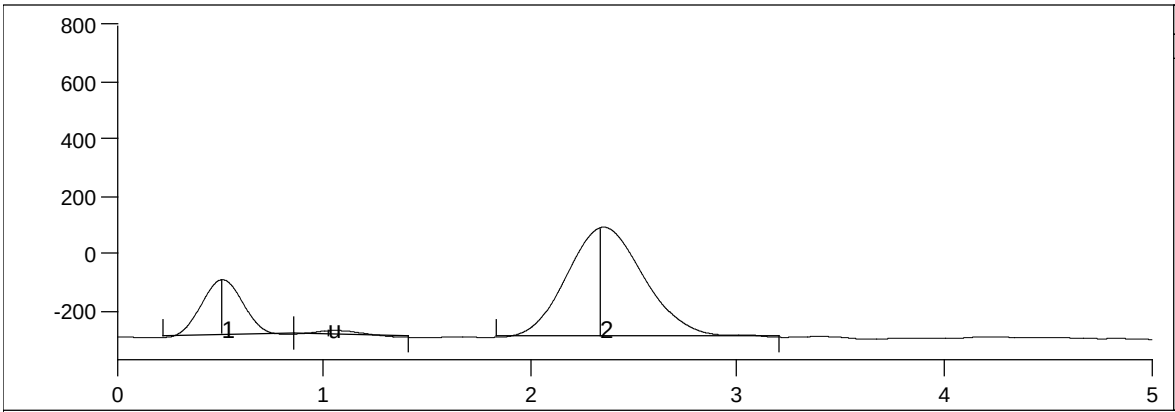
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
22	A	S	B140336-BLK2		2	42	0.211	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 12:19 PM

Peak	rt	Height
1	0.51	126
2	1.08	26
3	2.36	211

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
23	B	S	B140336-BLK3		2	26	0.112	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 12:25 PM

Peak	rt	Height
1	0.50	200
2	2.34	388
u	1.02	16

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
24	C	S	B140336-BLK4		u	16	0.0497	0.00		< HS	accept
Notes											

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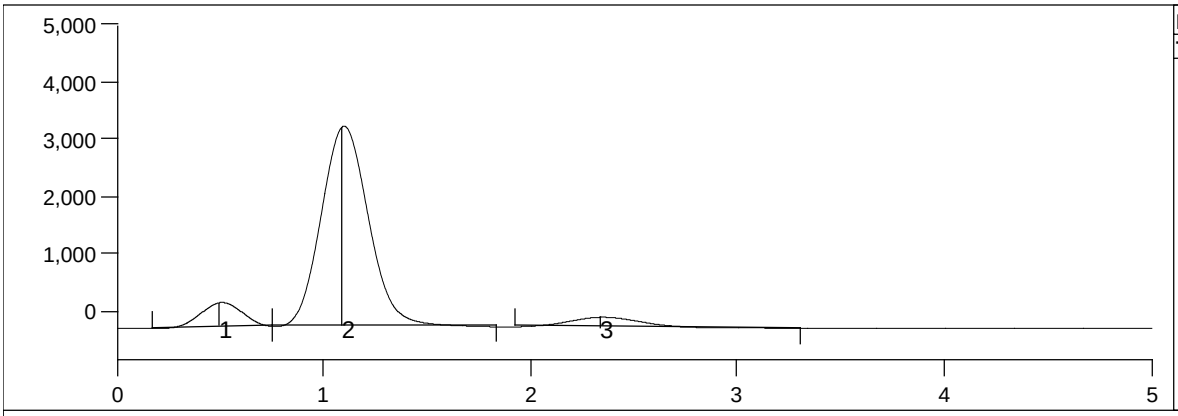
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

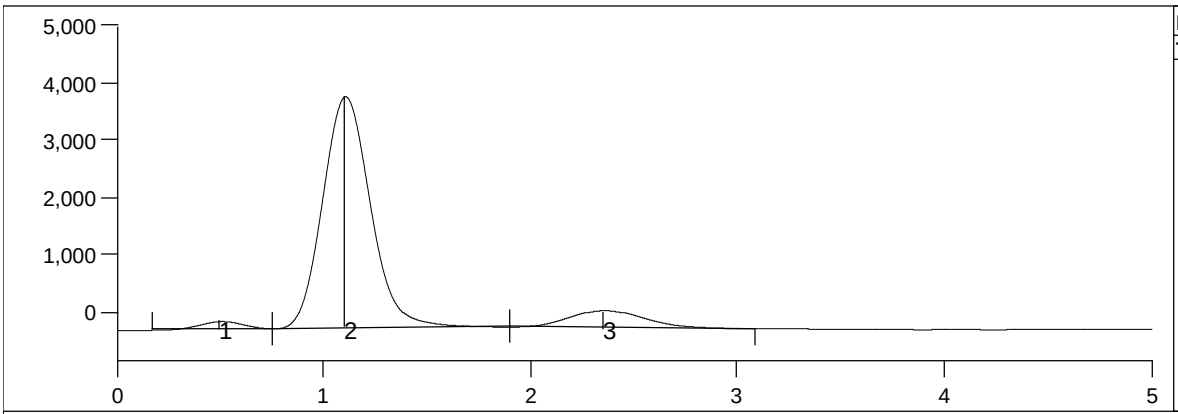
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 12:32 PM

Peak	rt	Height
1	0.50	450
2	1.09	3,525
3	2.34	173

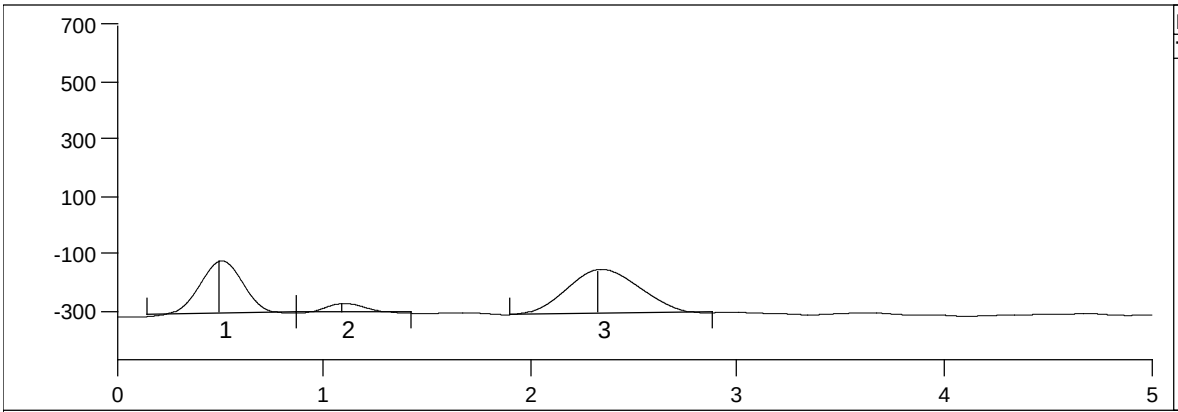
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
25	A	S	B140336-BS1		2	3,525	21.8	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 12:39 PM

Peak	rt	Height
1	0.50	138
2	1.10	4,072
3	2.35	311

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
26	B	S	B140336-BS2		2	4,072	25.2	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 12:45 PM

Peak	rt	Height
1	0.50	192
2	1.09	37
3	2.33	158

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
27	C	S	1409035-30		2	37	0.180	0.00		< HS	accept
Notes											

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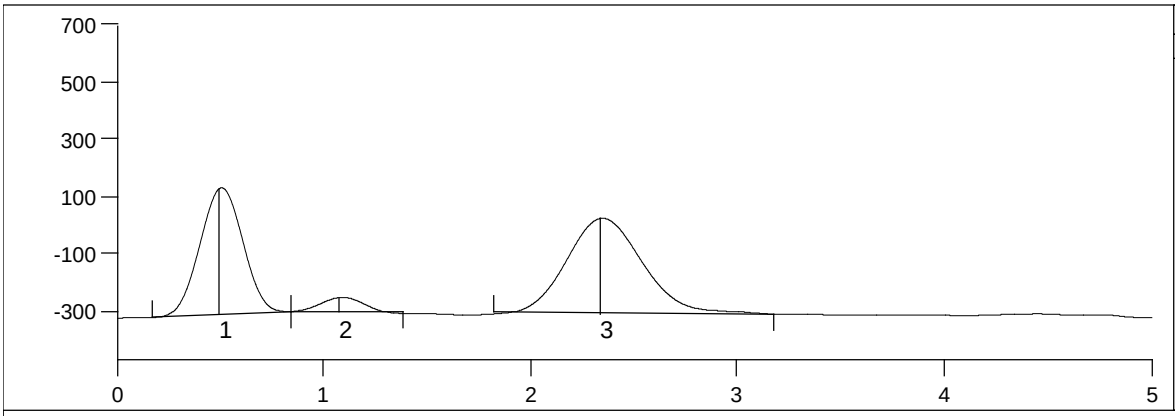
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

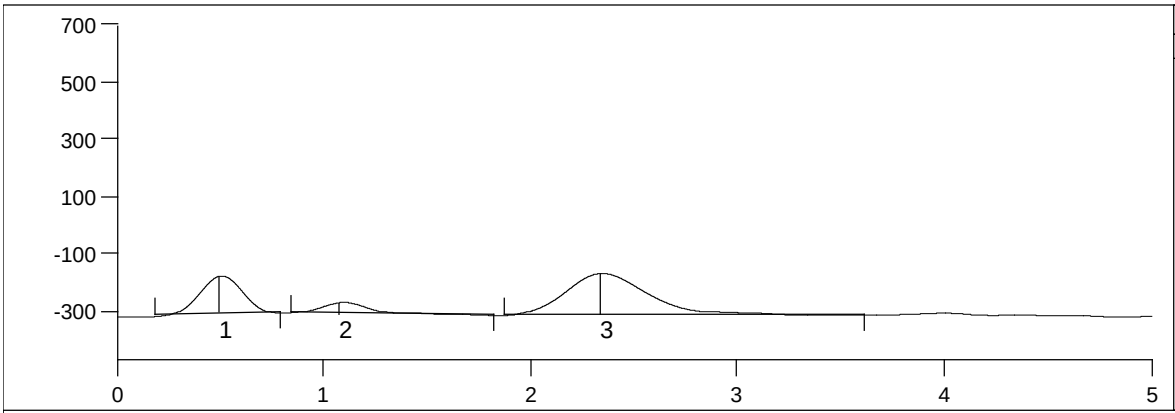
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 12:52 PM

Peak	rt	Height
1	0.50	446
2	1.08	53
3	2.34	338

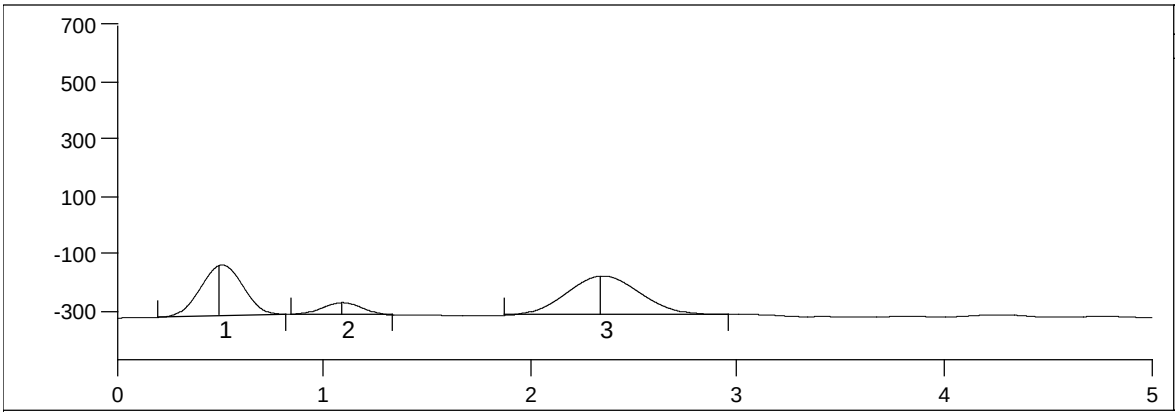
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
28	A	S	1410023-04		2	53	0.279	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 12:59 PM

Peak	rt	Height
1	0.50	138
2	1.08	39
3	2.34	150

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
29	B	S	1410023-05		2	39	0.193	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 1:05 PM

Peak	rt	Height
1	0.50	182
2	1.08	44
3	2.33	139

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
30	C	S	1410023-06		2	44	0.224	0.00		< HS	accept
Notes											

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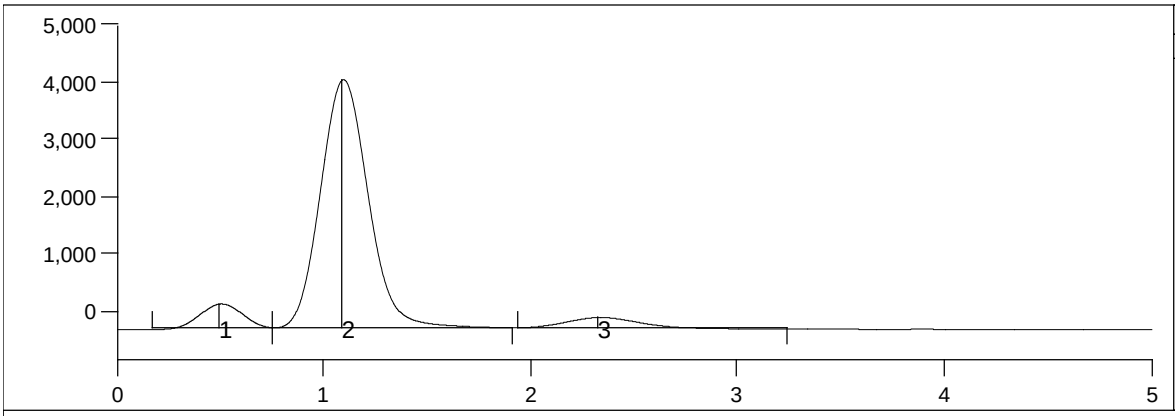
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

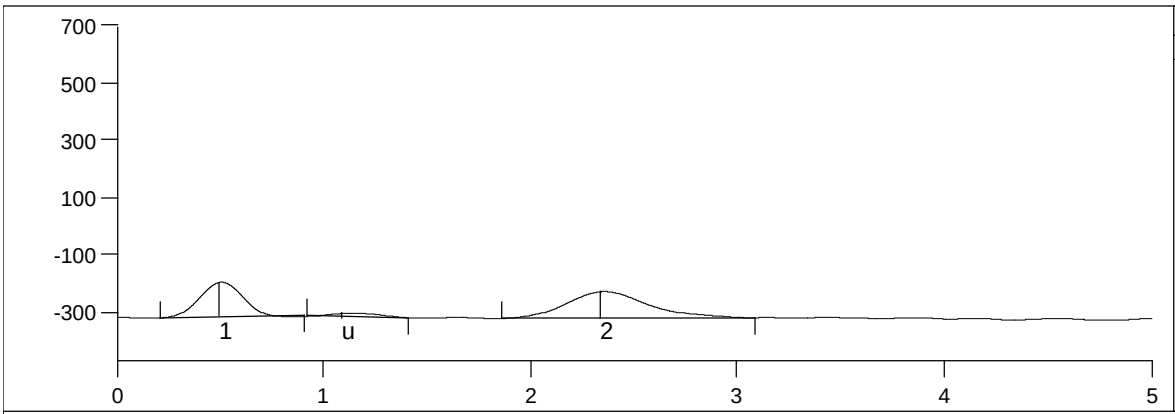
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 1:12 PM

Peak	rt	Height
1	0.50	445
2	1.09	4,360
3	2.33	187

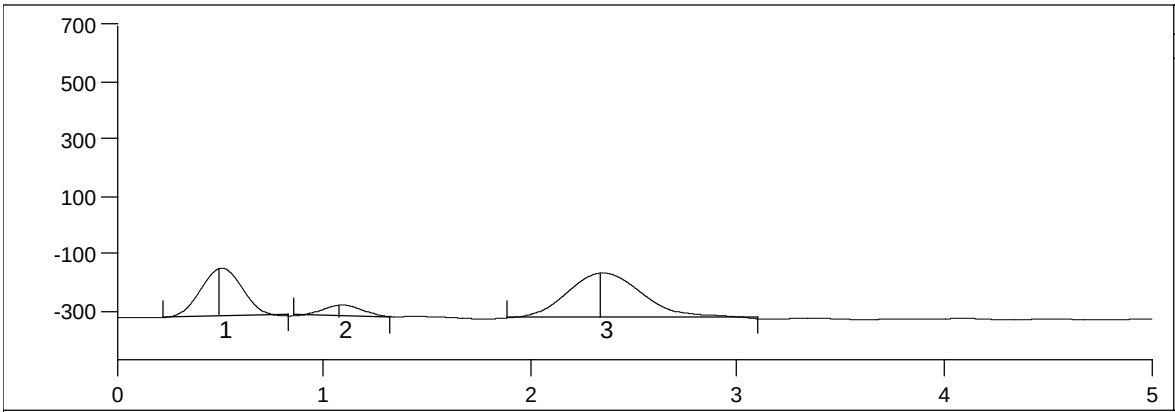
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
31	A	CCV	SEQ-CCV		2	4,360	27.0		108	67-133	accept
Notes											



Date: 3/11/14
Time: 1:19 PM

Peak	rt	Height
1	0.50	126
2	2.34	96
u	1.10	13

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
32	B	CCB	SEQ-CCB		u	13	0.0807		0.0807	< 1.15	accept
Notes											



Date: 3/11/14
Time: 1:25 PM

Peak	rt	Height
1	0.50	174
2	1.07	41
3	2.34	161

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
33	C	S	1410023-10		2	41	0.205	0.00		< HS	accept
Notes											

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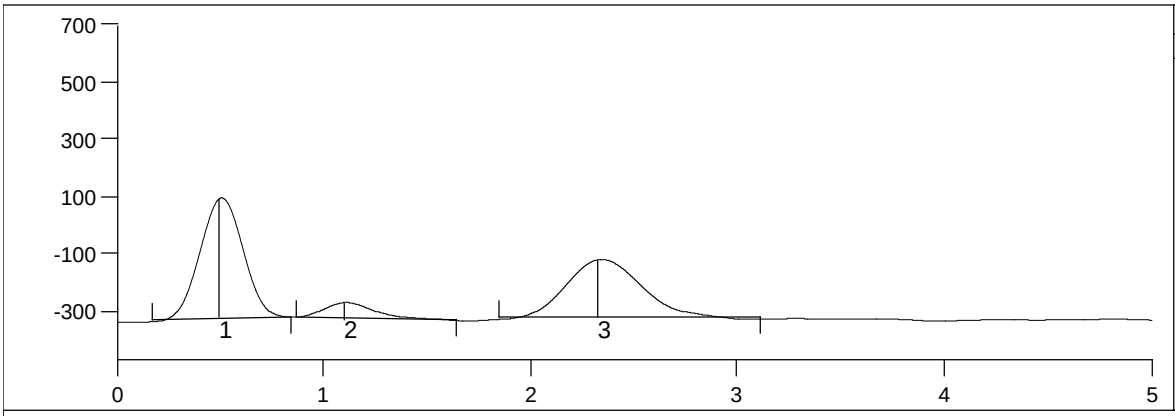
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP

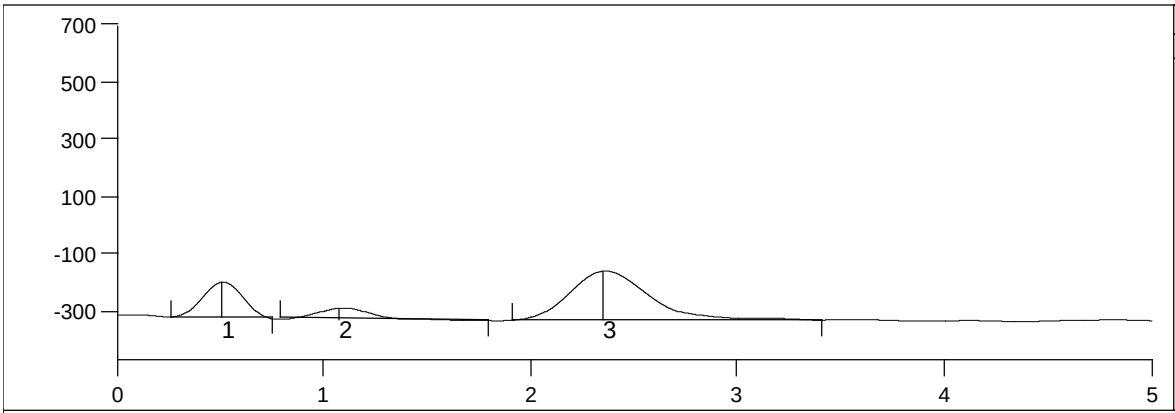


Date: 3/11/14
Time: 1:32 PM

Peak	rt	Height
1	0.50	430
2	1.10	56
3	2.33	212

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
34	A	S	1410023-11		2	56	0.298	0.00		< HS	accept

Notes

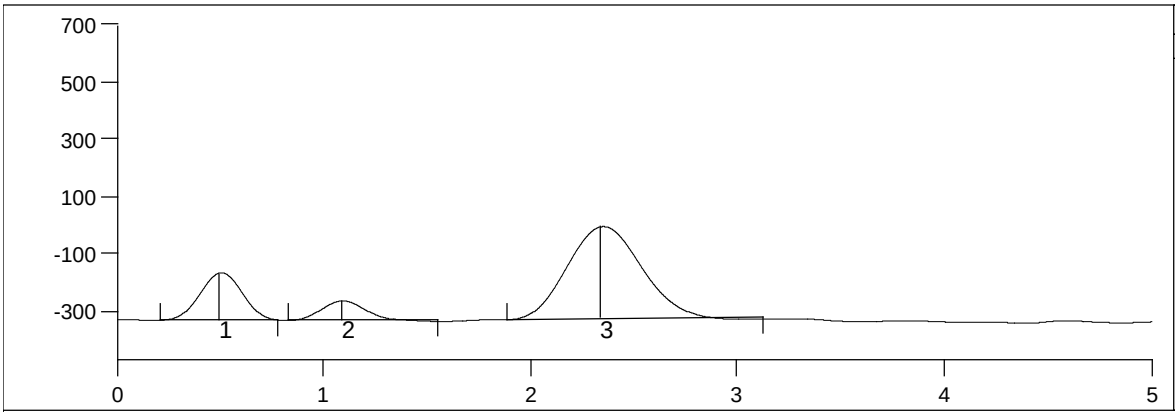


Date: 3/11/14
Time: 1:39 PM

Peak	rt	Height
1	0.51	128
2	1.08	43
3	2.35	175

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
35	B	S	1410023-12		2	43	0.217	0.00		< HS	accept

Notes



Date: 3/11/14
Time: 1:45 PM

Peak	rt	Height
1	0.50	168
2	1.08	72
3	2.34	330

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
36	C	S	1409035-02		2	72	0.397	0.00		< HS	accept

Notes

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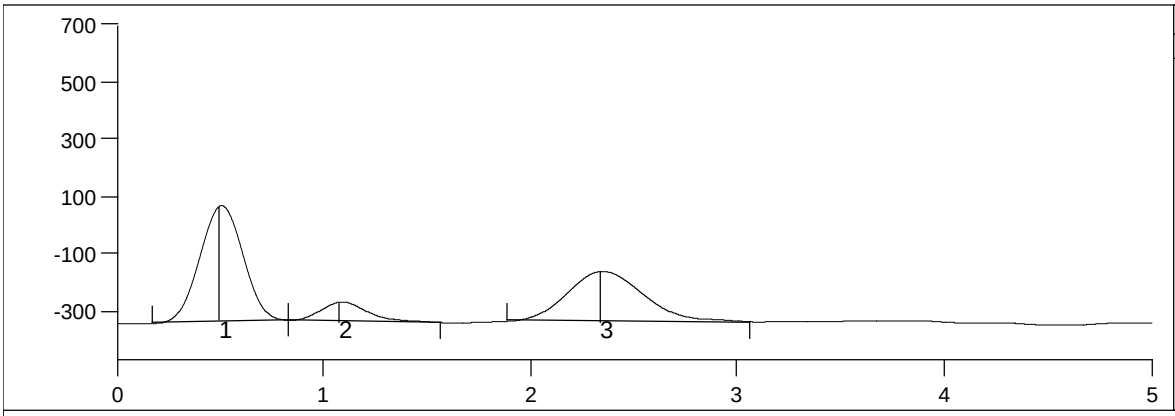
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

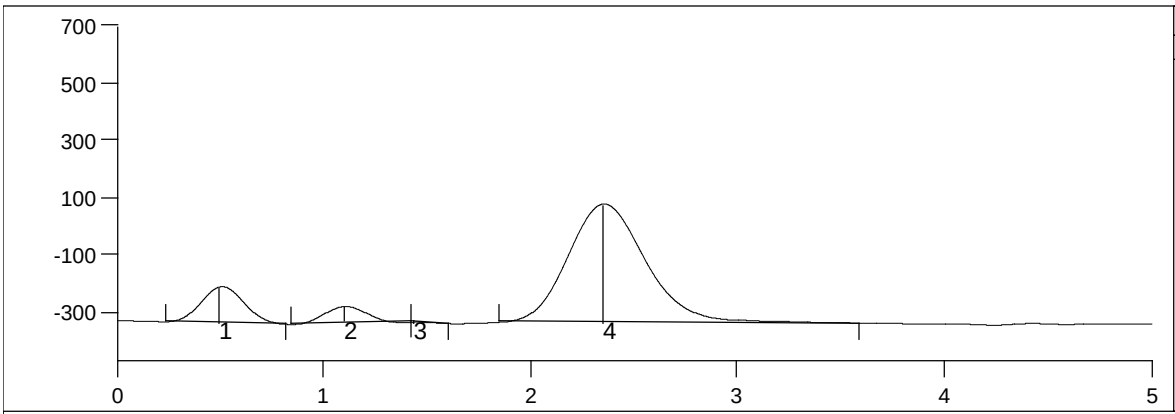
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 1:52 PM

Peak	rt	Height
1	0.50	411
2	1.08	69
3	2.33	178

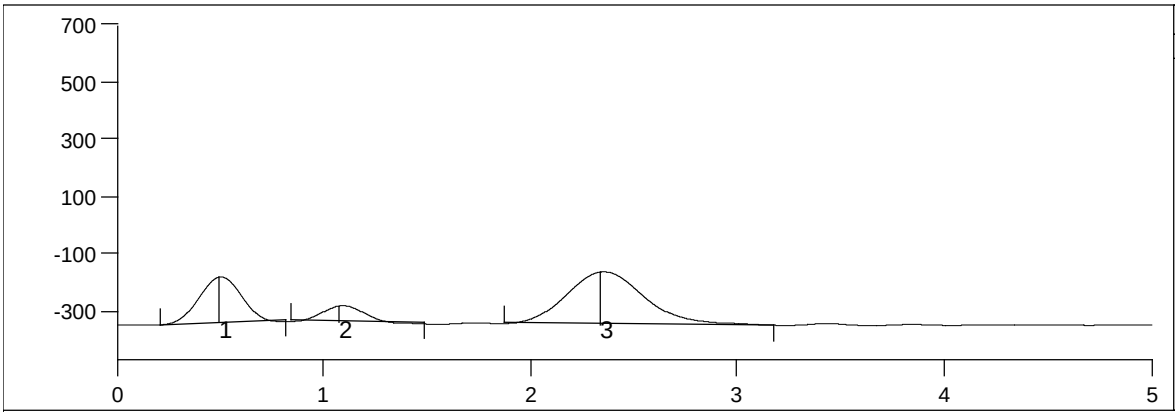
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
37	A	S	1409035-04		2	69	0.379	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 1:59 PM

Peak	rt	Height
1	0.50	129
2	1.10	63
3	1.44	1
4	2.35	418

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
38	B	S	1409035-06		2	63	0.342	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 2:05 PM

Peak	rt	Height
1	0.50	166
2	1.08	61
3	2.34	186

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
39	C	S	1409035-08		2	61	0.329	0.00		< HS	accept
Notes											

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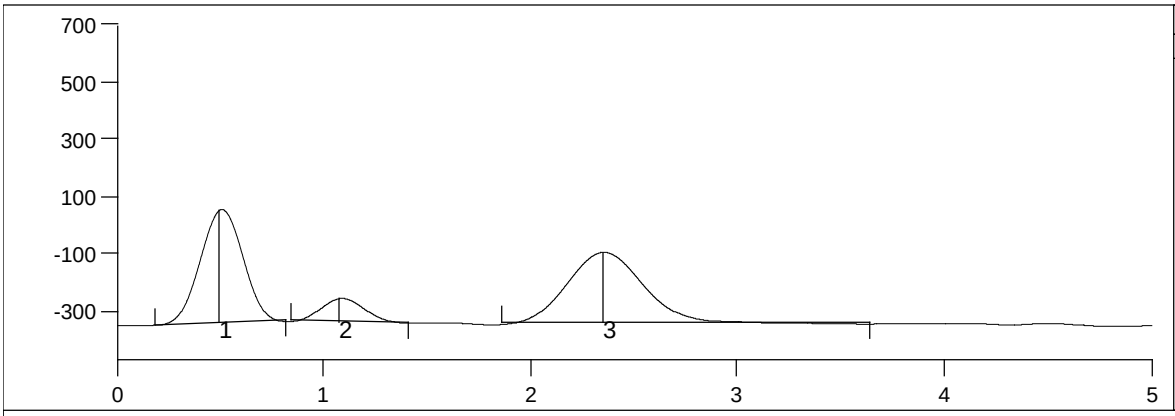
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

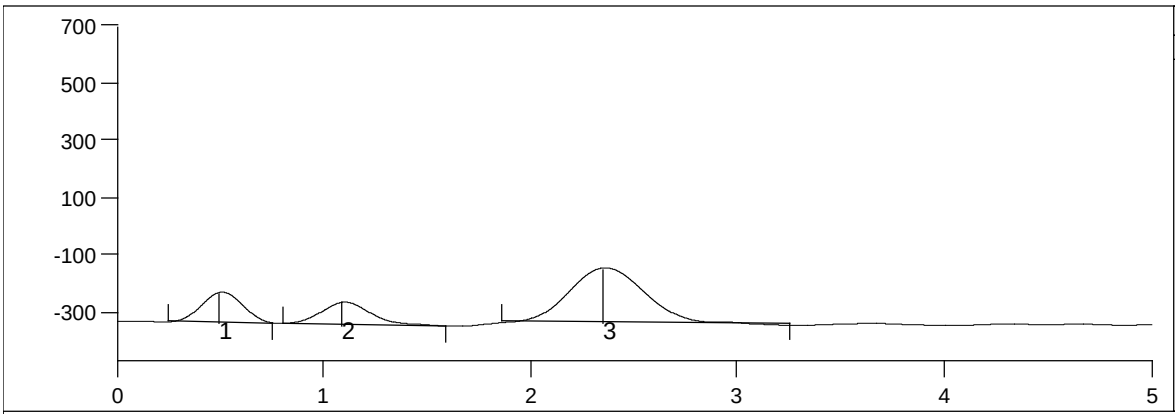
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 2:12 PM

Peak	rt	Height
1	0.50	403
2	1.08	85
3	2.35	255

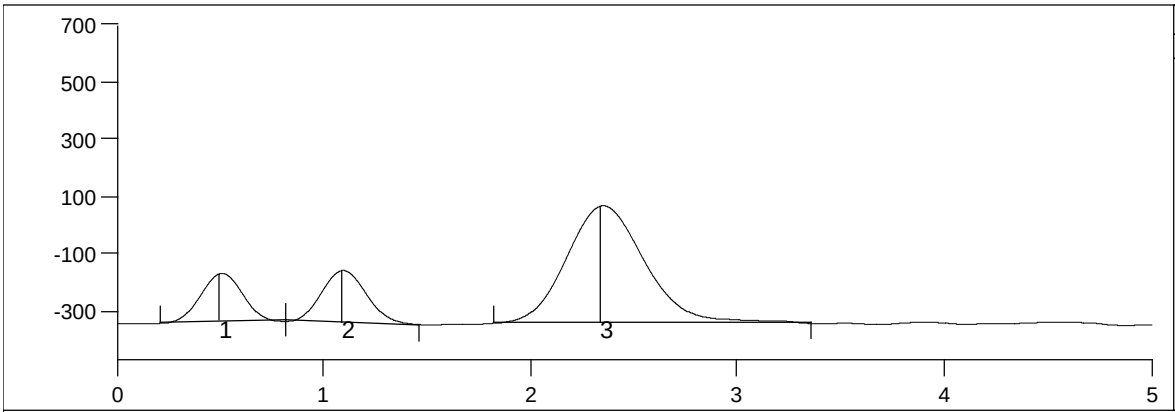
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
40	A	S	1409035-10		2	85	0.478	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 2:19 PM

Peak	rt	Height
1	0.50	108
2	1.09	80
3	2.35	197

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
41	B	S	1409035-12		2	80	0.447	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 2:25 PM

Peak	rt	Height
1	0.50	175
2	1.09	185
3	2.34	414

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
42	C	S	1409035-14		2	185	1.10	0.00		< HS	accept
Notes											

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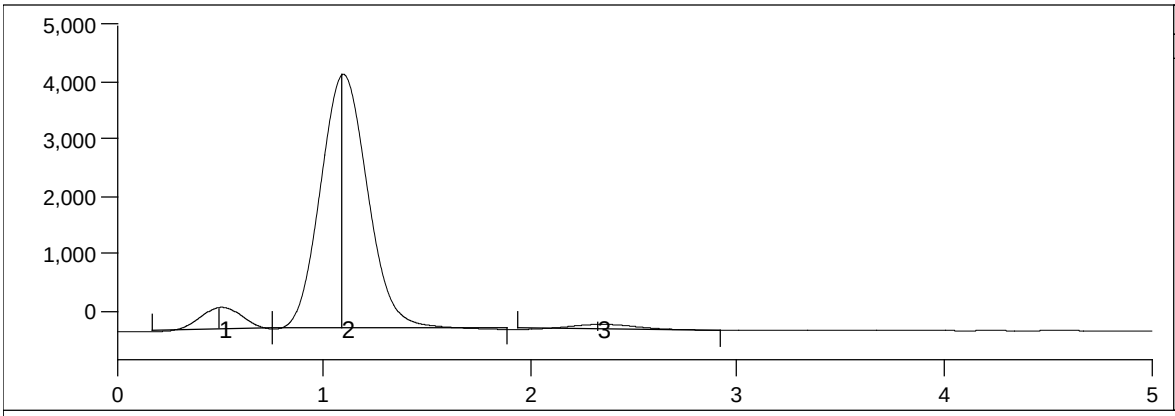
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

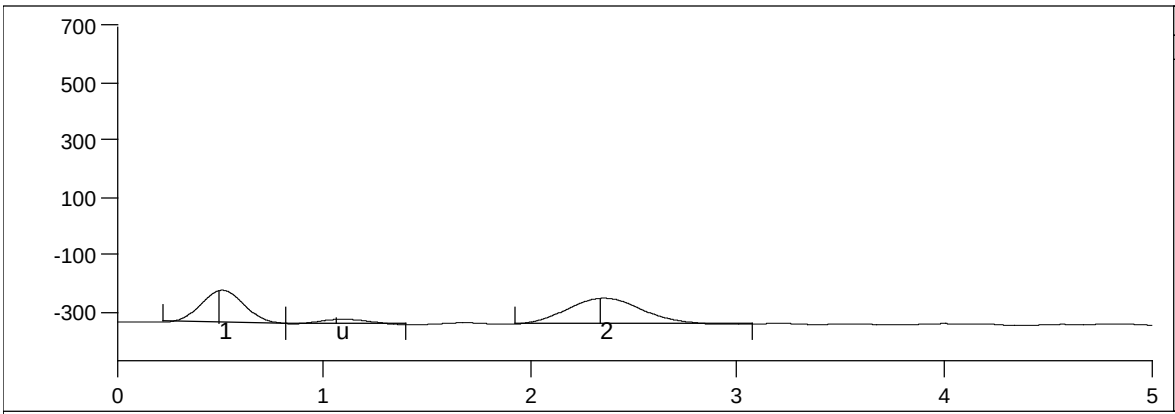
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 2:32 PM

Peak	rt	Height
1	0.50	413
2	1.09	4,479
3	2.33	98

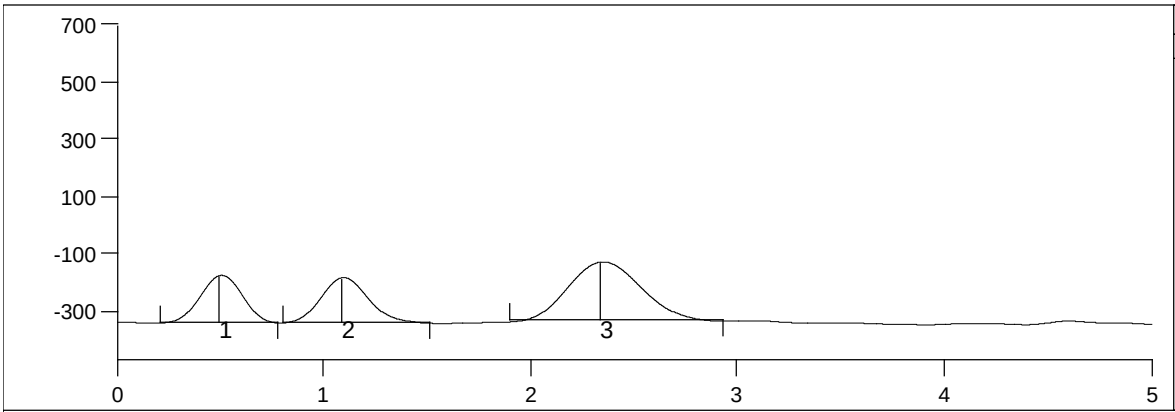
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
43	A	CCV	SEQ-CCV		2	4,479	27.8		111	67-133	accept
Notes											



Date: 3/11/14
Time: 2:39 PM

Peak	rt	Height
1	0.50	116
2	2.34	93
u	1.06	17

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
44	B	CCB	SEQ-CCB		u	17	0.106		0.106	< 1.15	accept
Notes											



Date: 3/11/14
Time: 2:45 PM

Peak	rt	Height
1	0.50	169
2	1.09	162
3	2.34	212

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
45	C	S	1409035-16		2	162	0.956	0.00		< HS	accept
Notes											

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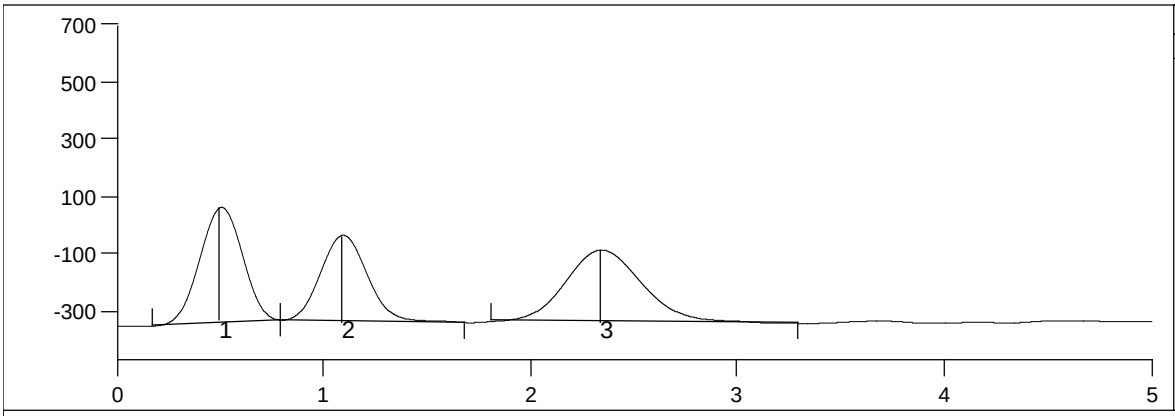
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

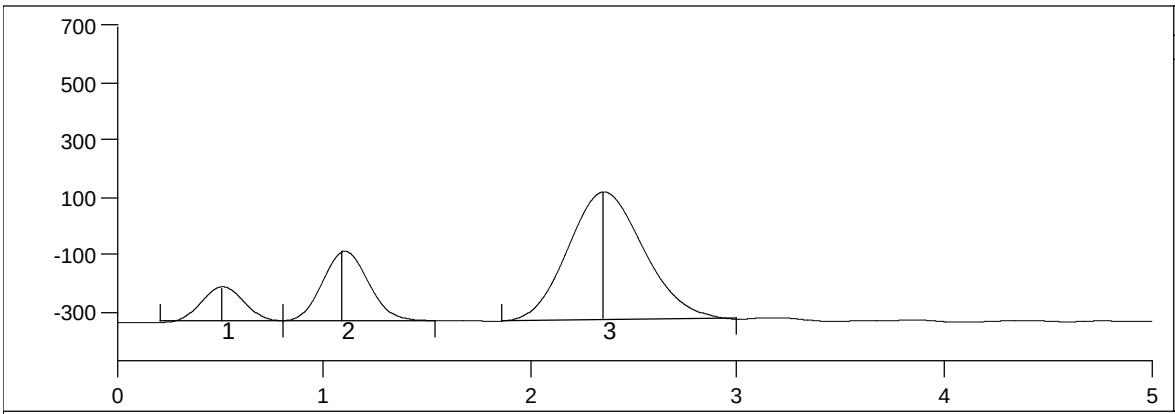
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 2:52 PM

Peak	rt	Height
1	0.50	408
2	1.09	302
3	2.33	255

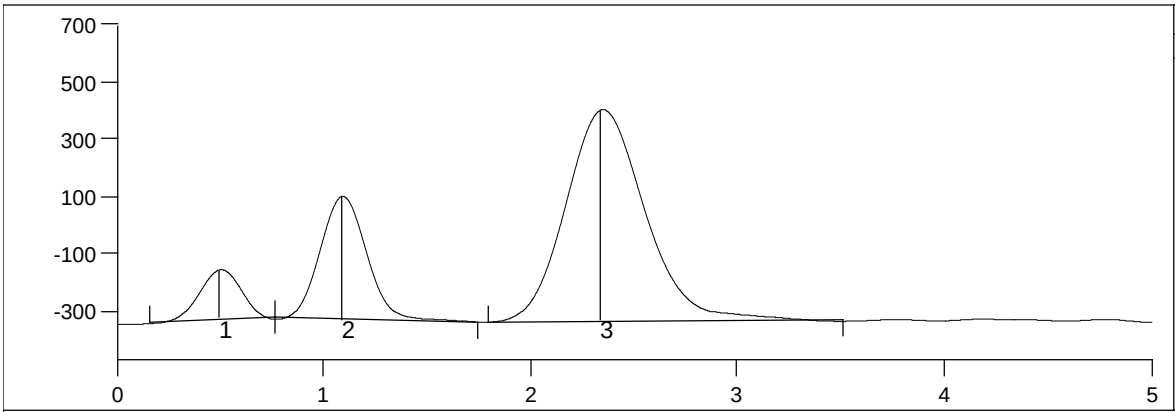
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
46	A	S	1409035-18		2	302	1.83	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 2:59 PM

Peak	rt	Height
1	0.50	125
2	1.10	245
3	2.35	452

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
47	B	S	1409035-20		2	245	1.47	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 3:05 PM

Peak	rt	Height
1	0.50	183
2	1.08	437
3	2.34	747

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
48	C	S	1409035-22		2	437	2.66	0.00		< HS	accept
Notes											

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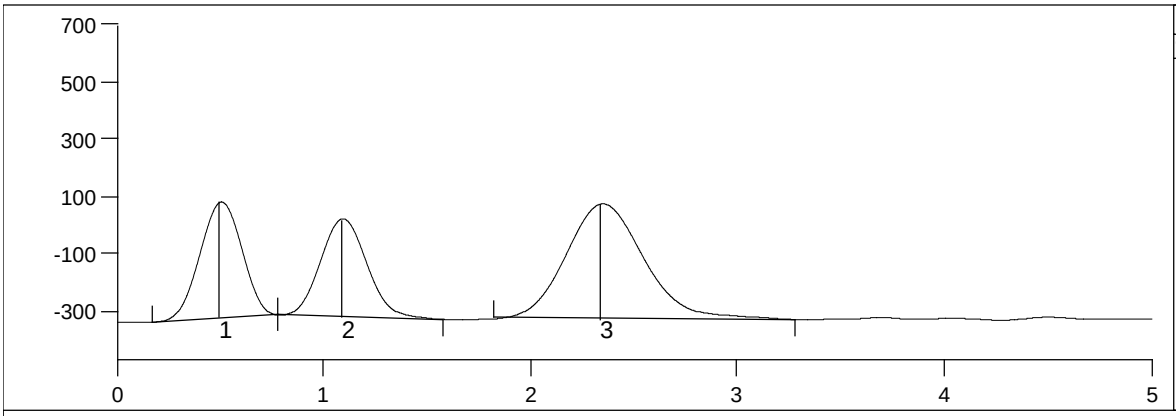
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

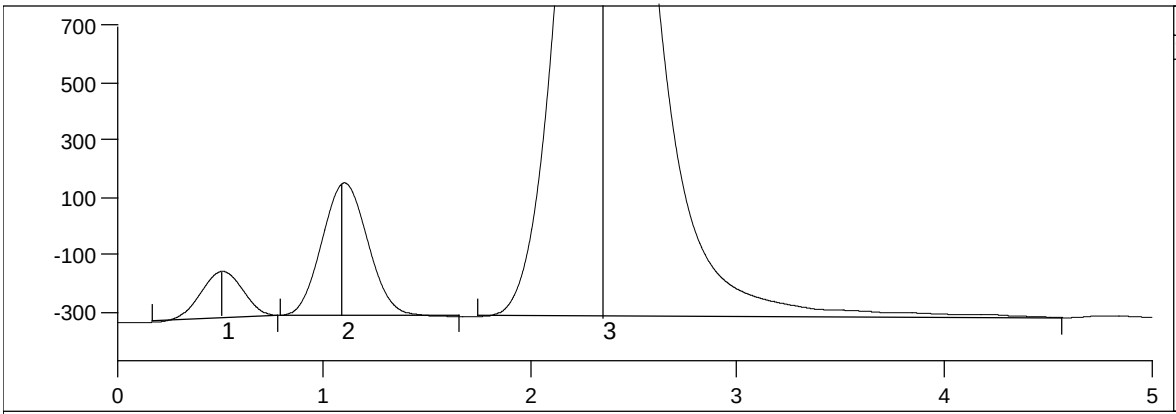
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 3:12 PM

Peak	rt	Height
1	0.50	412
2	1.08	346
3	2.34	406

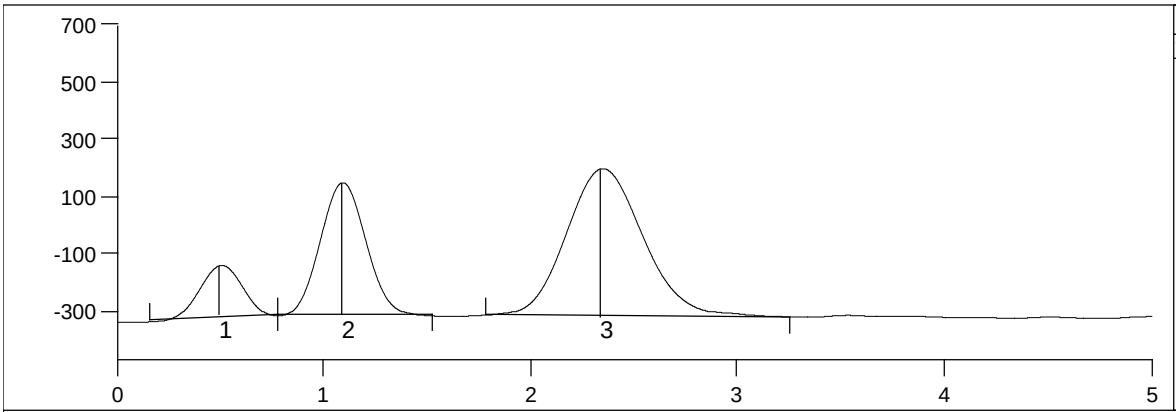
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
49	A	S	1409035-24		2	346	2.10	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 3:19 PM

Peak	rt	Height
1	0.50	169
2	1.09	468
3	2.35	3,122

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
50	B	S	1409035-26		2	468	2.86	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 3:25 PM

Peak	rt	Height
1	0.50	189
2	1.08	469
3	2.34	517

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
51	C	S	1409035-28		2	469	2.86	0.00		< HS	accept
Notes											

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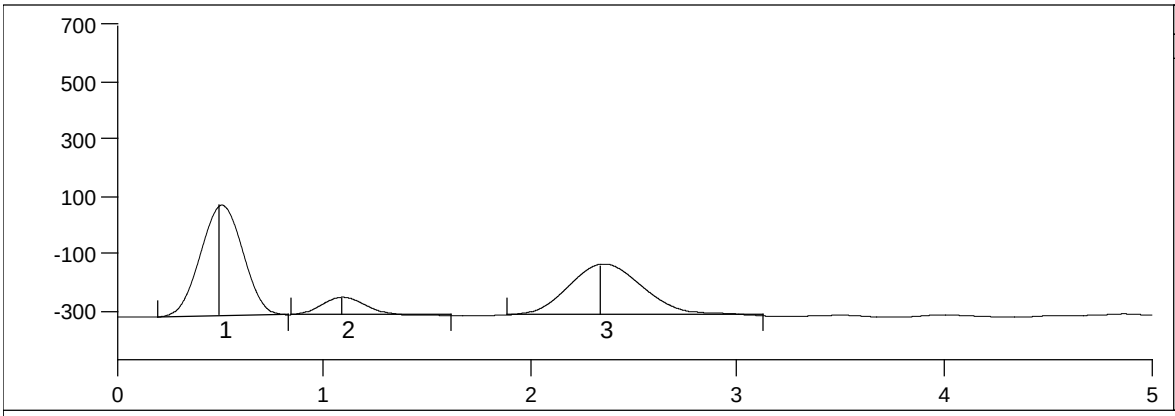
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

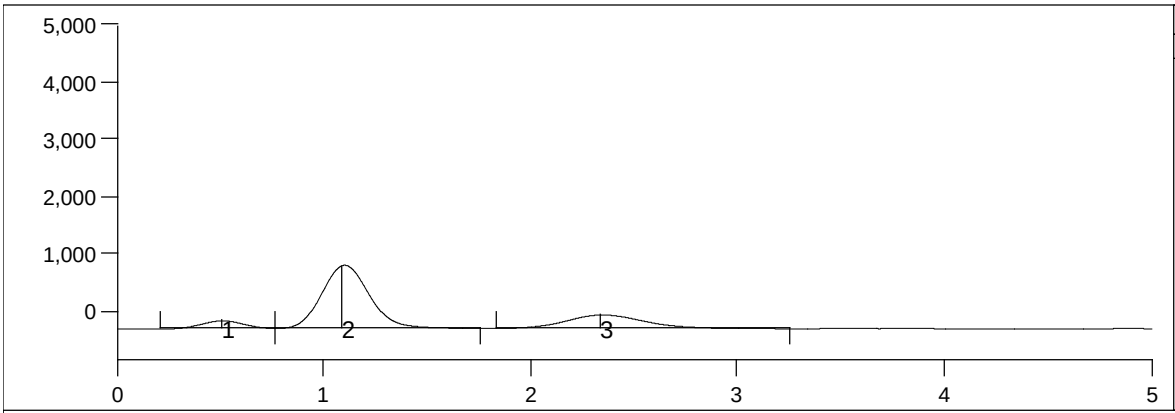
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 3:32 PM

Peak	rt	Height
1	0.50	390
2	1.08	64
3	2.34	181

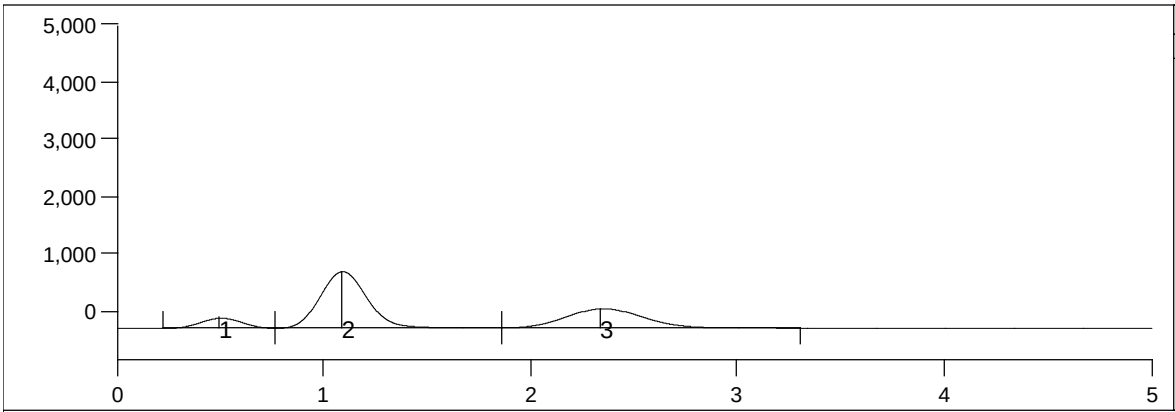
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
52	A	S	1410023-01		2	64	0.348	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 3:39 PM

Peak	rt	Height
1	0.50	137
2	1.10	1,119
3	2.34	239

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
53	B	S	B140336-MS1		2	1,119	6.90	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 3:45 PM

Peak	rt	Height
1	0.50	179
2	1.08	1,004
3	2.34	350

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
54	C	S	B140336-MSD1		2	1,004	6.19	0.00		< HS	accept
Notes											

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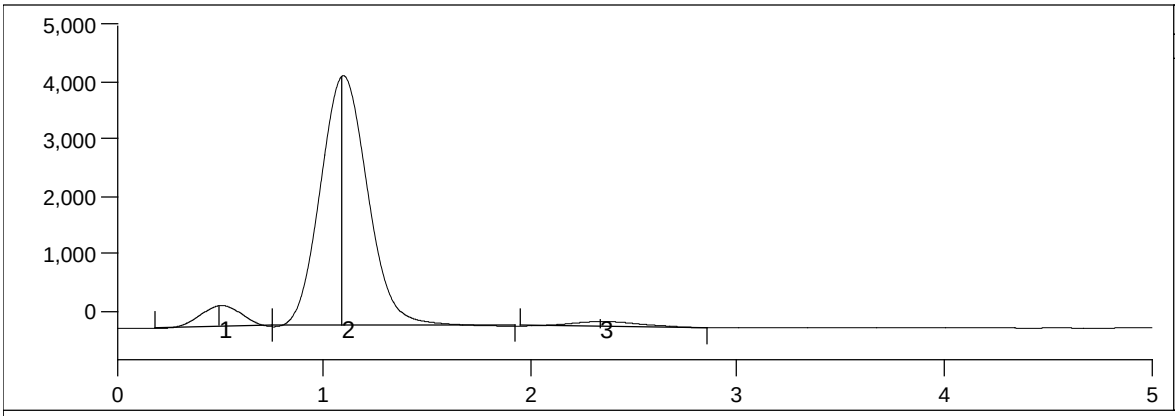
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

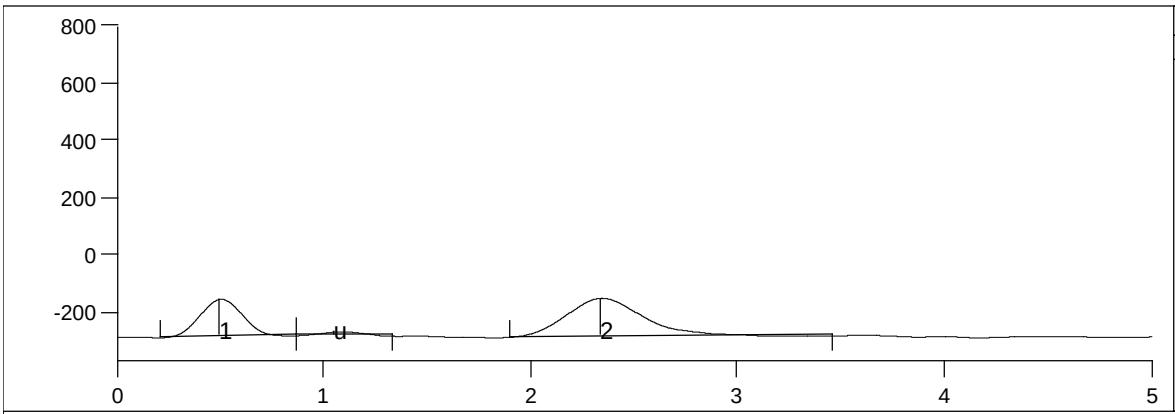
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 3:52 PM

Peak	rt	Height
1	0.50	396
2	1.09	4,409
3	2.33	92

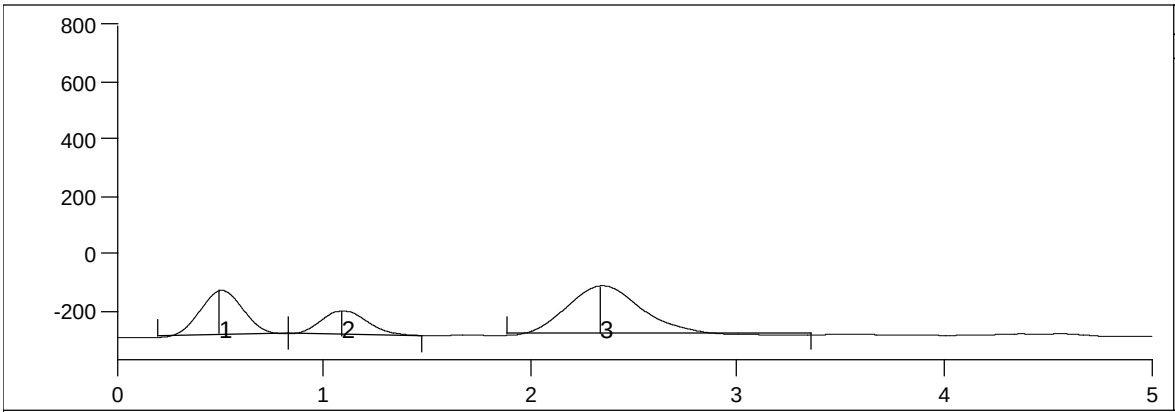
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
55	A	CCV	SEQ-CCV		2	4,409	27.3		109	67-133	accept
Notes											



Date: 3/11/14
Time: 3:59 PM

Peak	rt	Height
1	0.50	134
2	2.34	139
u	1.06	13

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
56	B	CCB	SEQ-CCB		u	13	0.0807		0.0807	< 1.15	accept
Notes											



Date: 3/11/14
Time: 4:05 PM

Peak	rt	Height
1	0.50	162
2	1.08	85
3	2.34	176

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
57	C	S	1410023-02		2	85	0.478	0.00		< HS	accept
Notes											

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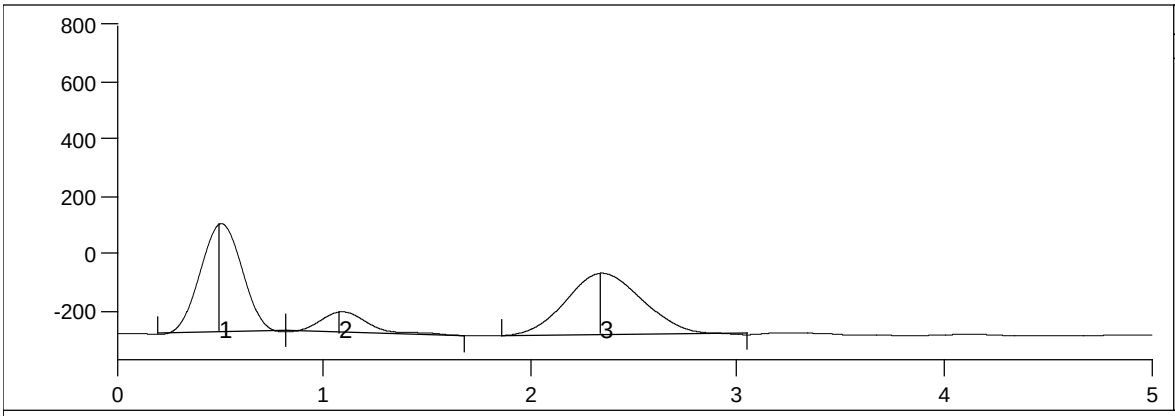
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

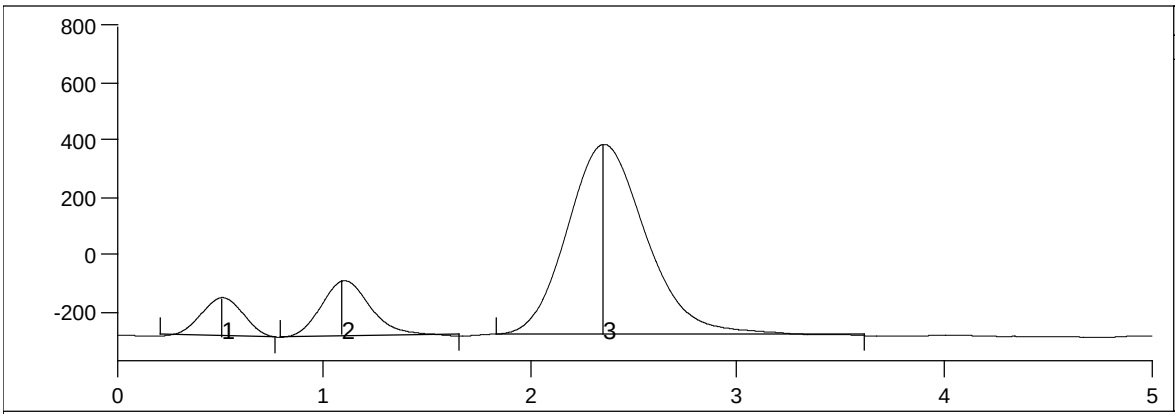
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 4:12 PM

Peak	rt	Height
1	0.50	387
2	1.08	74
3	2.34	220

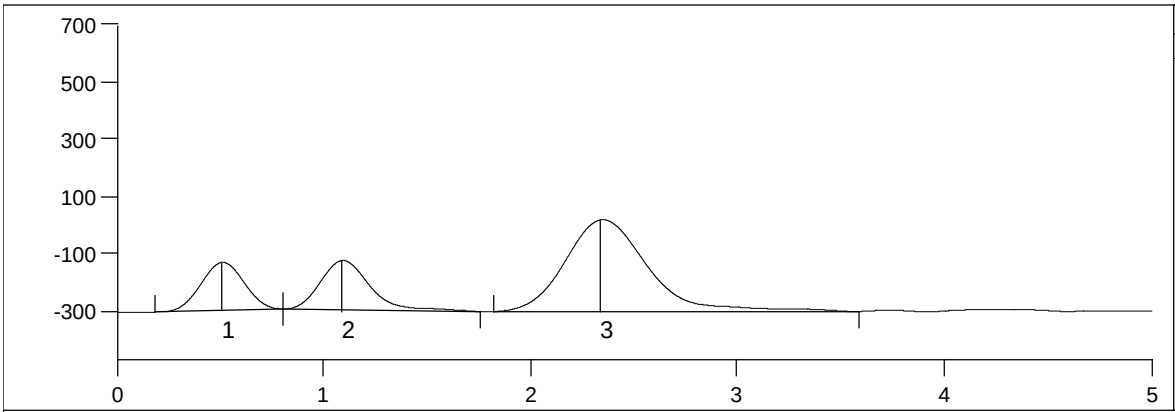
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
58	A	S	1410023-03		2	74	0.410	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 4:19 PM

Peak	rt	Height
1	0.50	138
2	1.09	199
3	2.35	668

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
59	B	S	1410023-07		2	199	1.19	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 4:25 PM

Peak	rt	Height
1	0.50	170
2	1.08	171
3	2.34	322

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
60	C	S	1410023-08		2	171	1.01	0.00		< HS	accept
Notes											

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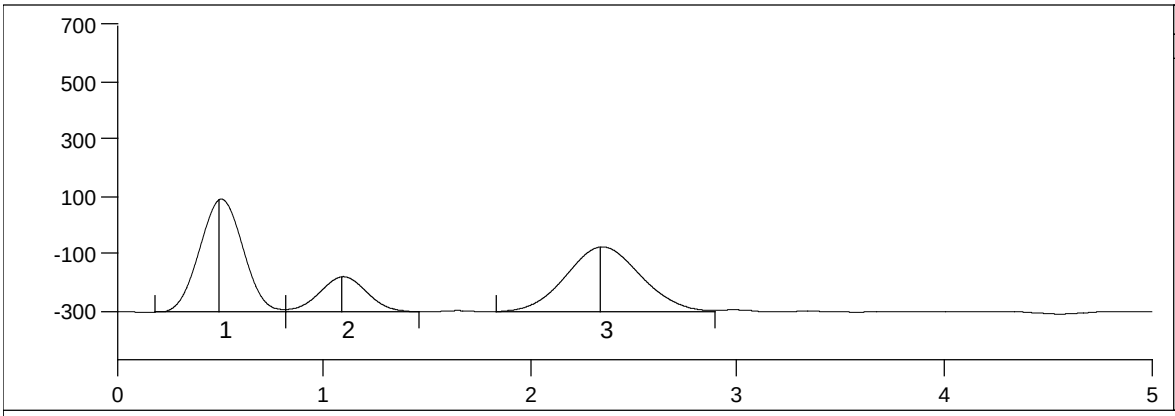
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

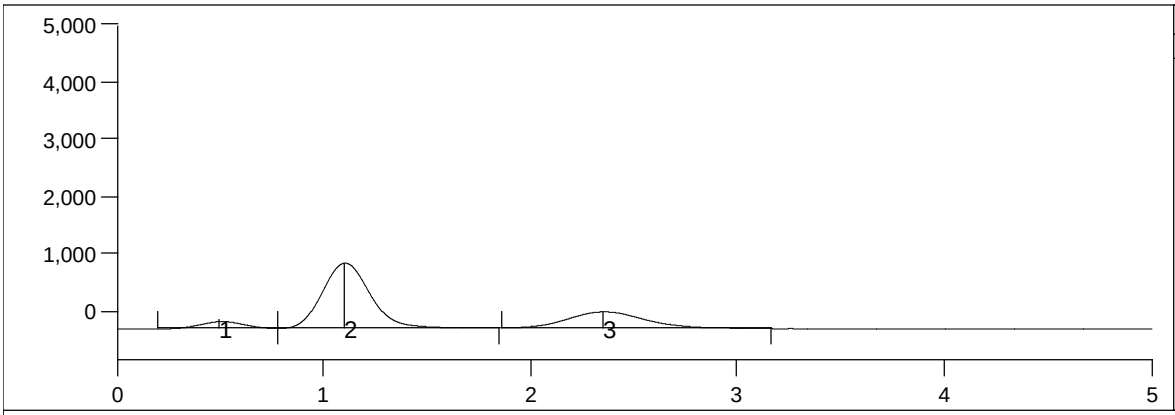
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 4:32 PM

Peak	rt	Height
1	0.50	393
2	1.09	118
3	2.34	225

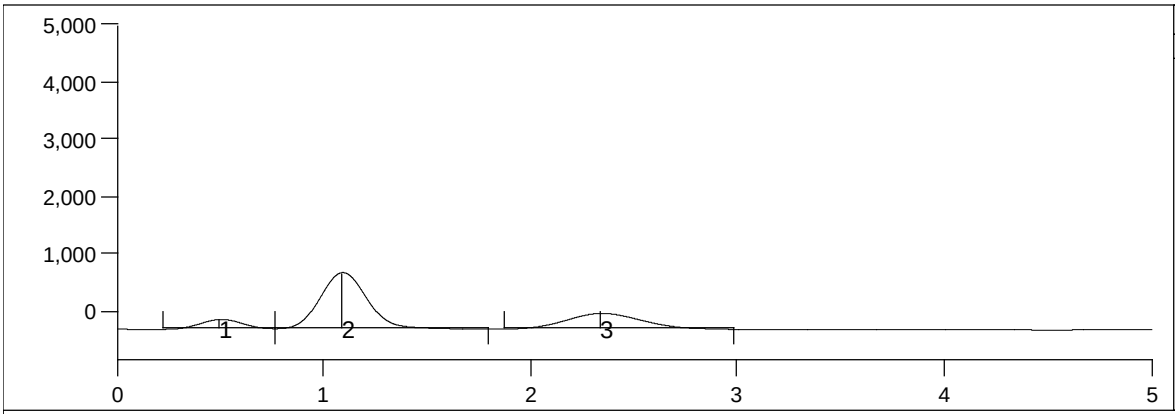
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
61	A	S	1410023-09		2	118	0.683	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 4:39 PM

Peak	rt	Height
1	0.50	124
2	1.10	1,156
3	2.35	285

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
62	B	S	B140336-MS2		2	1,156	7.13	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 4:45 PM

Peak	rt	Height
1	0.50	168
2	1.08	997
3	2.33	275

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
63	C	S	B140336-MSD2		2	997	6.14	0.00		< HS	accept
Notes											

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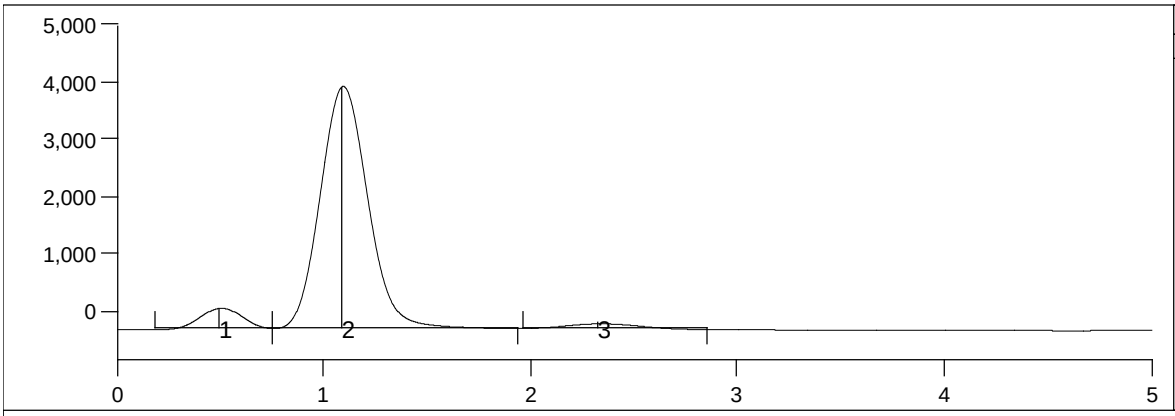
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

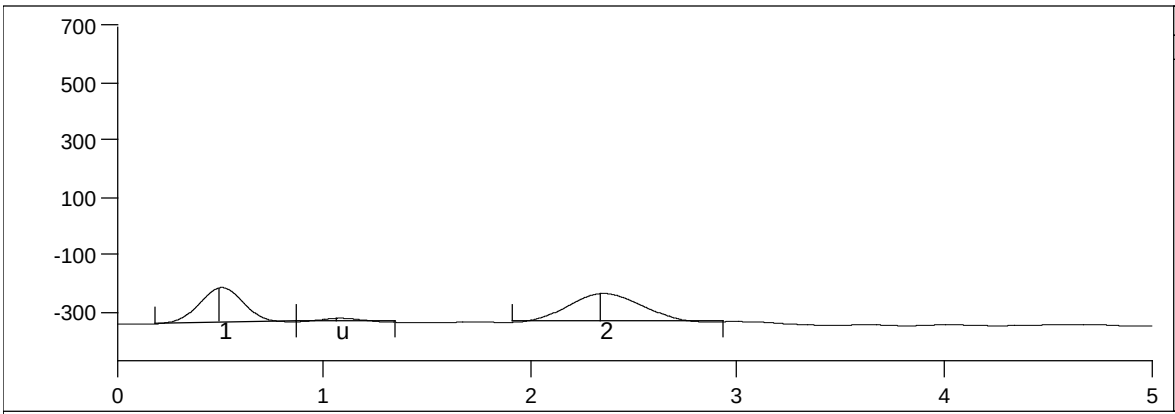
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 4:52 PM

Peak	rt	Height
1	0.50	379
2	1.09	4,255
3	2.32	90

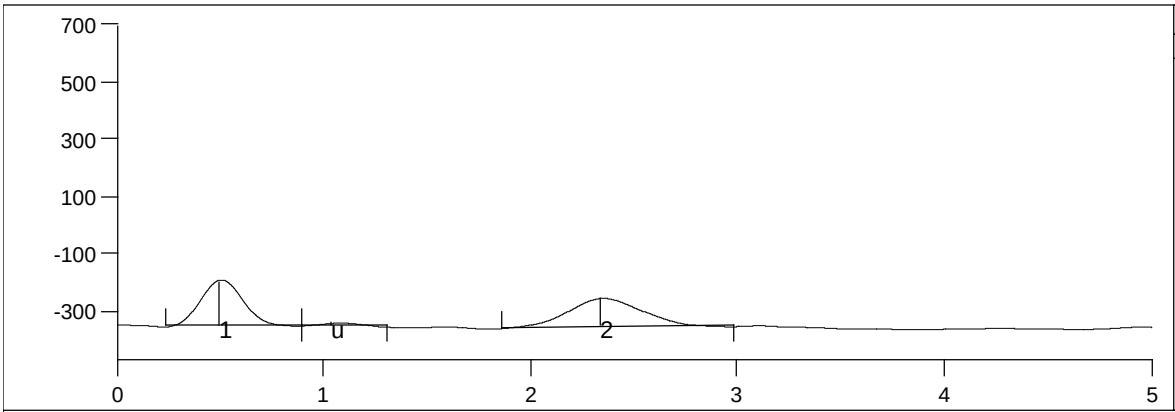
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
64	A	CCV	SEQ-CCV		2	4,255	26.4		105	67-133	accept
Notes											



Date: 3/11/14
Time: 4:59 PM

Peak	rt	Height
1	0.50	126
2	2.34	103
u	1.06	13

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
65	B	CCB	SEQ-CCB		u	13	0.0807		0.0807	< 1.15	accept
Notes											



Date: 3/11/14
Time: 5:05 PM

Peak	rt	Height
1	0.50	166
2	2.33	105
u	1.04	11

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
66	C	CCB	SEQ-CCB		u	11	0.0683		0.0683	< 1.15	accept
Notes											

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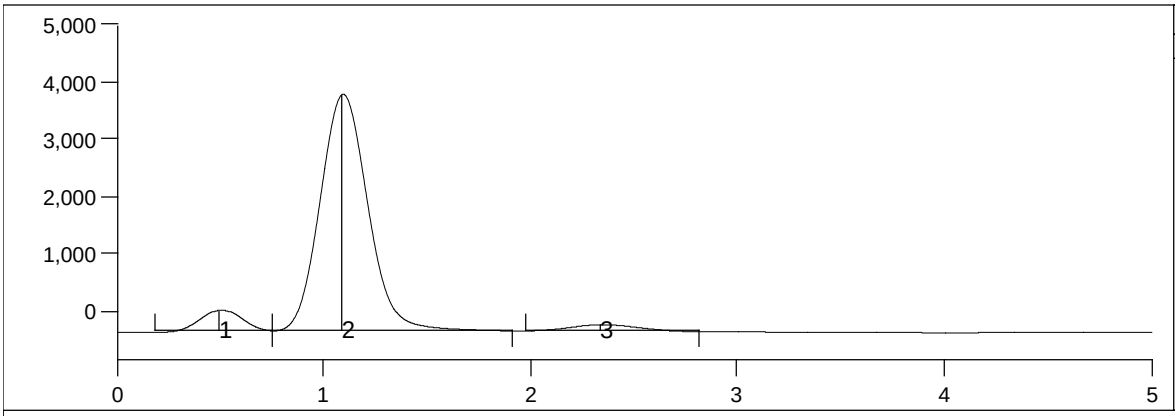
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

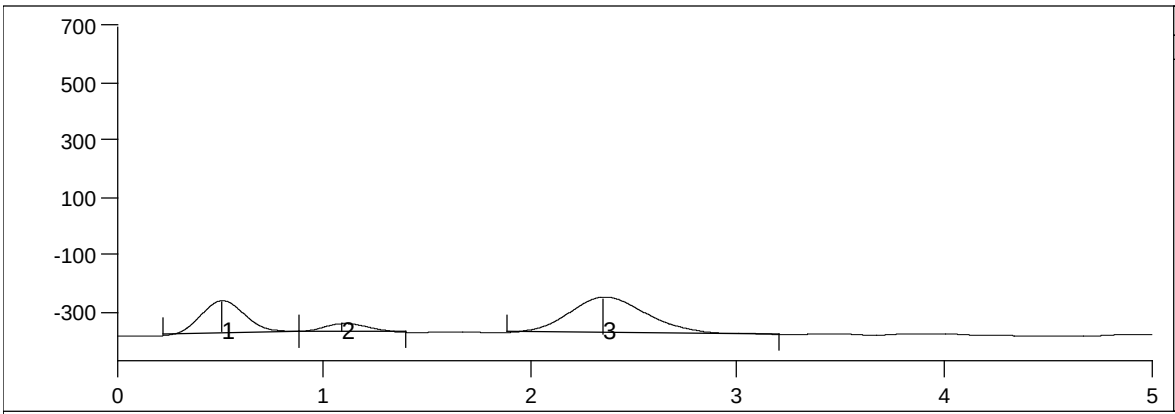
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 5:12 PM

Peak	rt	Height
1	0.50	386
2	1.09	4,157
3	2.34	111

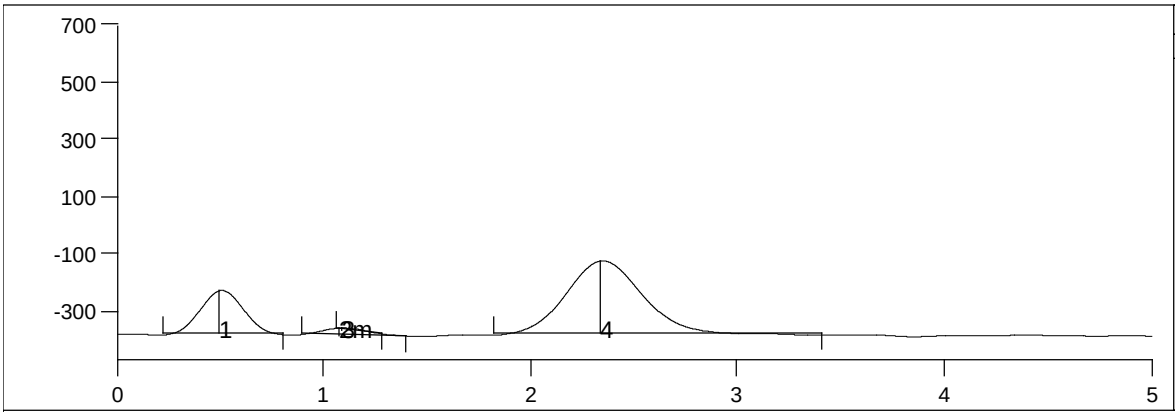
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
67	A	CCV	SEQ-CCV		2	4,157	25.8		103	67-133	accept
Notes											



Date: 3/11/14
Time: 5:19 PM

Peak	rt	Height
1	0.50	120
2	1.09	29
3	2.35	129

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
68	B	CCB	SEQ-CCB		2	29	0.180		0.180	< 1.15	accept
Notes											



Date: 3/11/14
Time: 5:25 PM

Peak	rt	Height
1	0.50	157
2m	1.08	25
3	1.08	2
4	2.34	262

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
69	C	S	B140367-BLK1		2m	25	0.106	0.00		< HS	accept
Notes											

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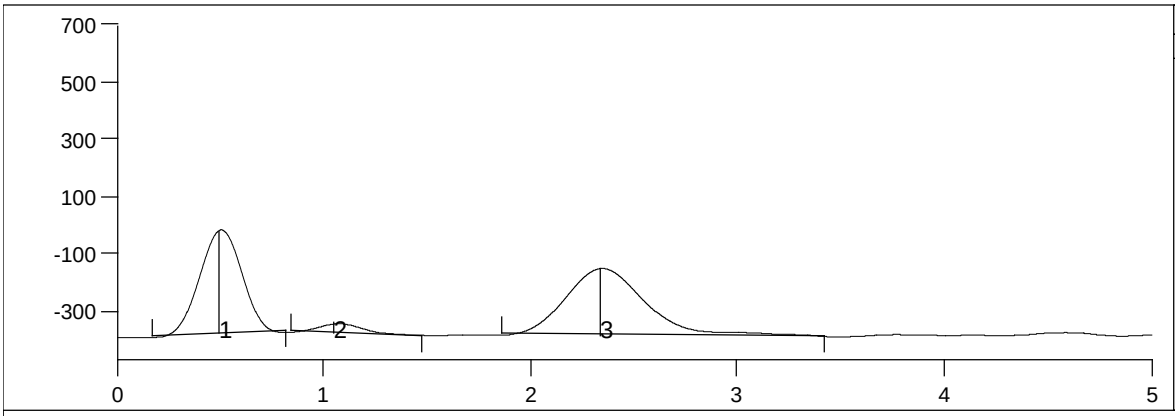
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

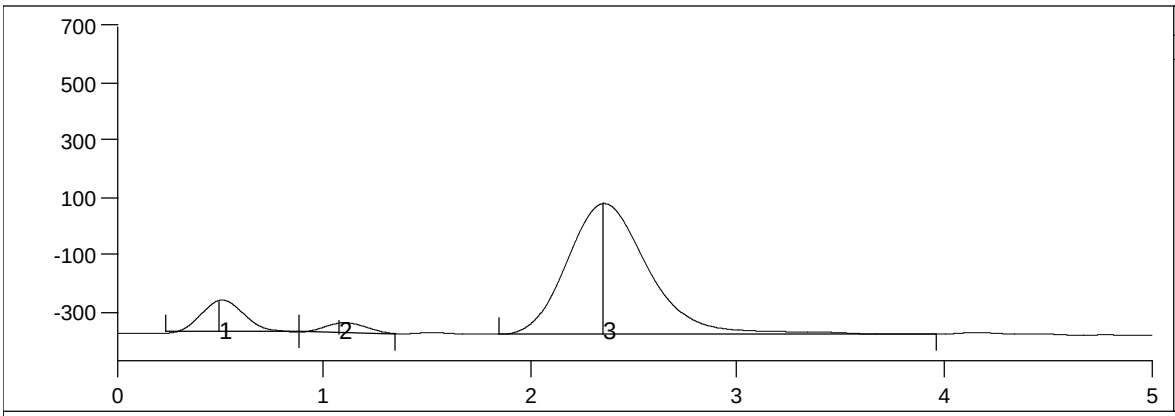
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 5:32 PM

Peak	rt	Height
1	0.50	372
2	1.05	32
3	2.34	236

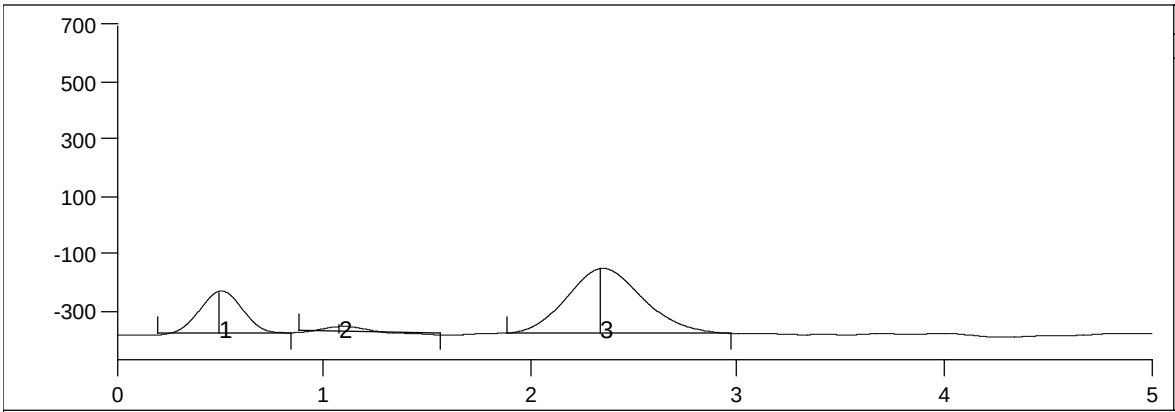
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
70	A	S	B140367-BLK2		2	32	0.149	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 5:39 PM

Peak	rt	Height
1	0.50	118
2	1.08	34
3	2.35	461

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
71	B	S	B140367-BLK3		2	34	0.161	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 5:45 PM

Peak	rt	Height
1	0.50	153
2	1.07	22
3	2.34	230

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
72	C	S	B140367-BLK4		2	22	0.0869	0.00		< HS	accept
Notes											

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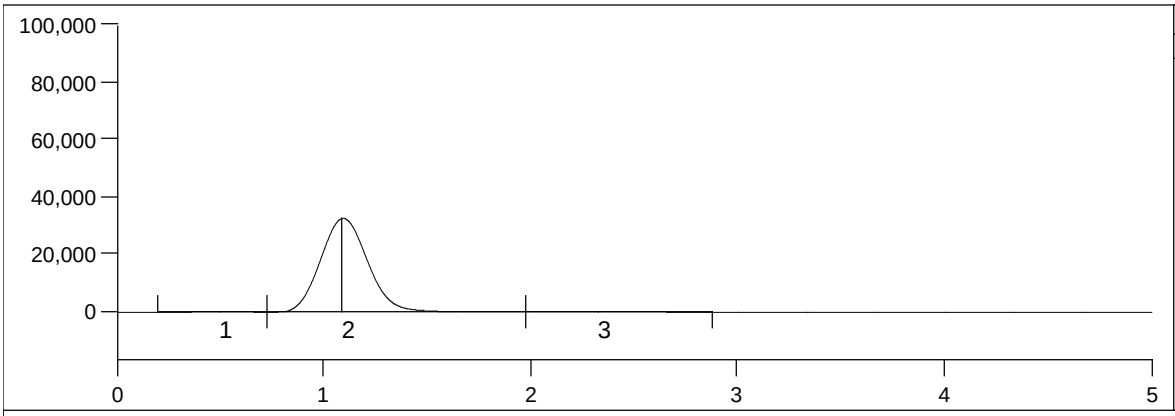
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

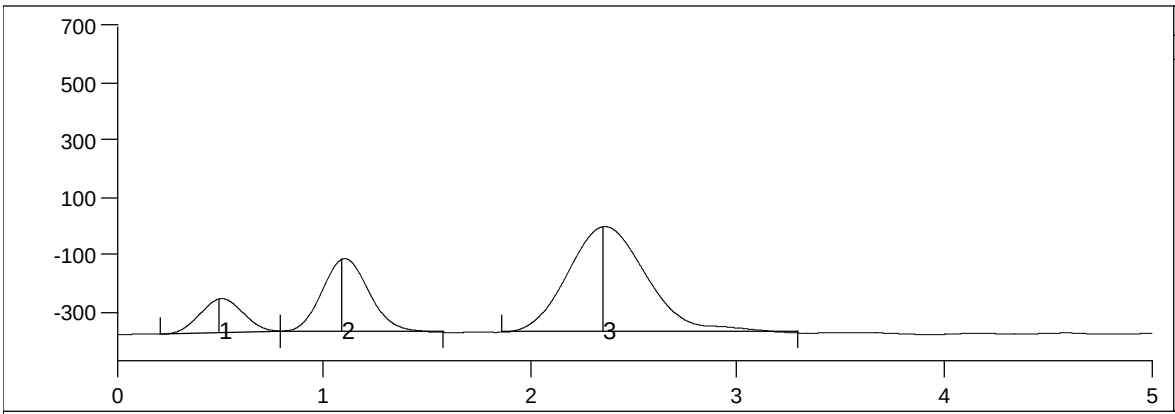
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 5:52 PM

Peak	rt	Height
1	0.50	453
2	1.09	33,106
3	2.32	302

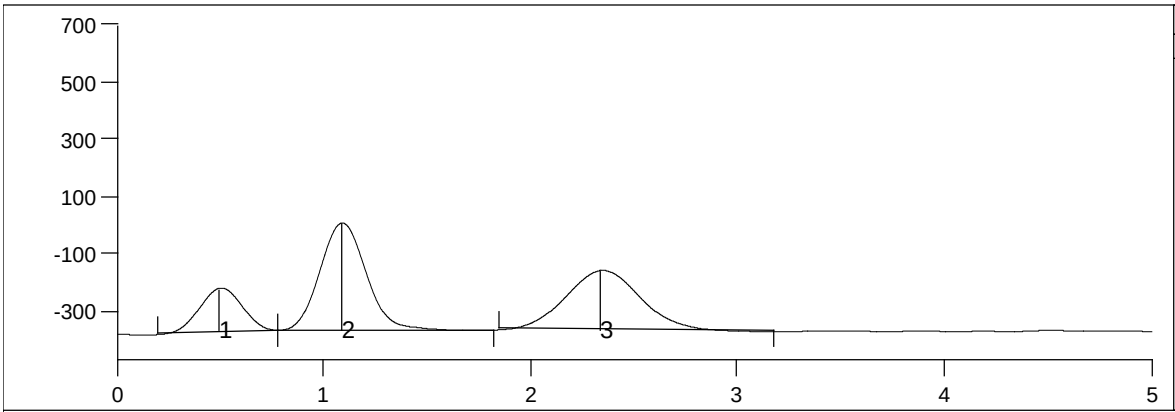
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
73	A	S	B140367-SRM1		2	33,106	206	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 5:59 PM

Peak	rt	Height
1	0.50	122
2	1.10	258
3	2.35	374

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
74	B	S	B140367-BS1		2	258	1.55	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 6:05 PM

Peak	rt	Height
1	0.50	158
2	1.08	379
3	2.34	212

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
75	C	S	B140367-BS2		2	379	2.30	0.00		< HS	accept
Notes											

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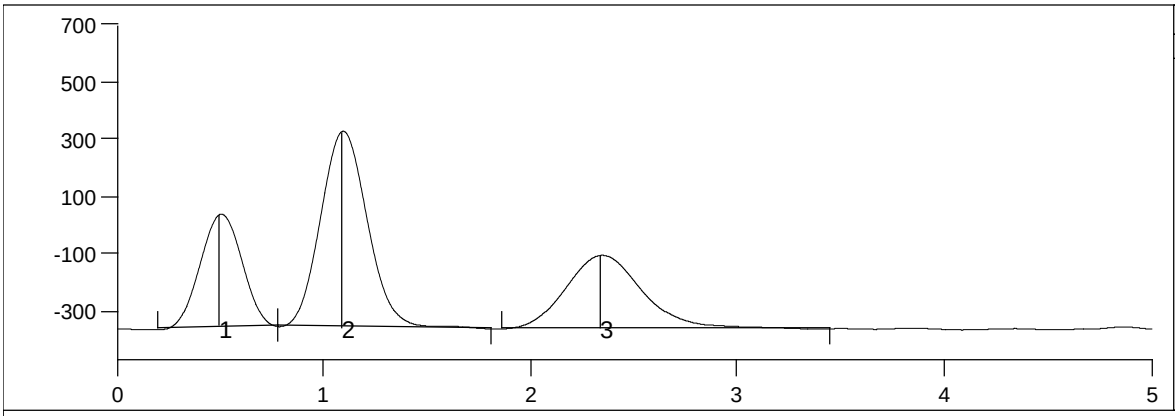
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

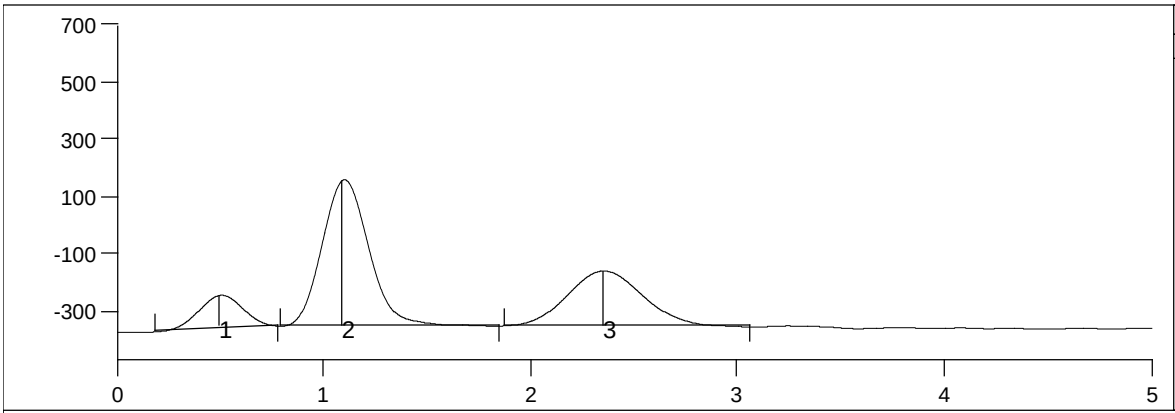
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 6:12 PM

Peak	rt	Height
1	0.50	403
2	1.09	690
3	2.34	260

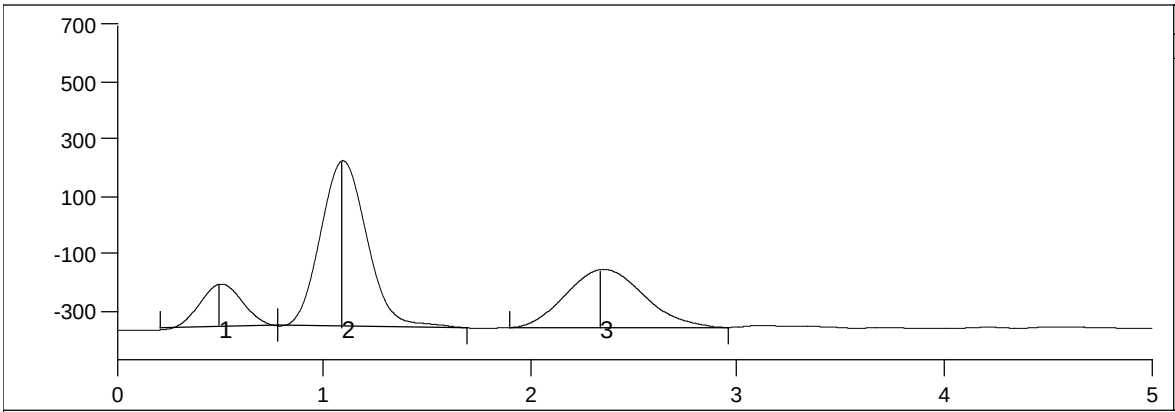
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
76	A	S	B140367-BS3		2	690	4.24	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 6:19 PM

Peak	rt	Height
1	0.50	121
2	1.09	516
3	2.35	196

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
77	B	S	B140367-BS4		2	516	3.15	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 6:25 PM

Peak	rt	Height
1	0.50	157
2	1.08	585
3	2.34	206

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
78	C	S	B140367-BS5		2	585	3.58	0.00		< HS	accept
Notes											

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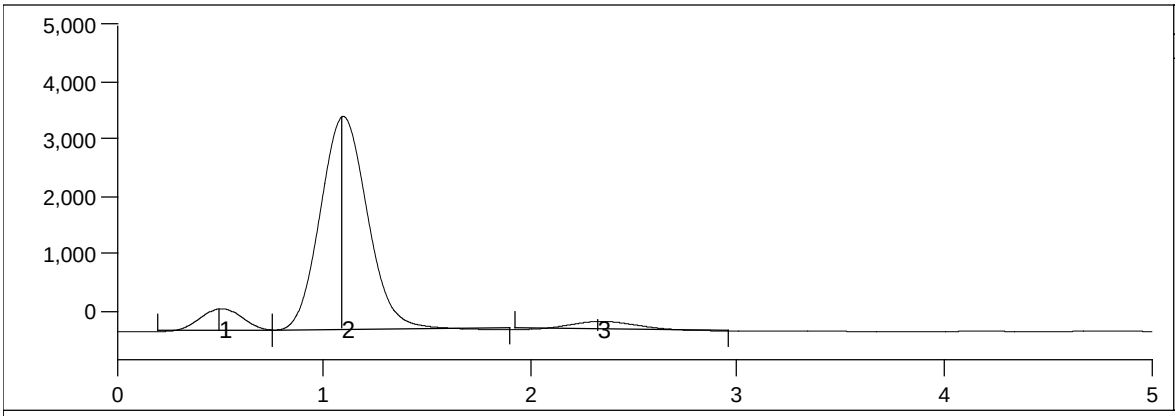
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

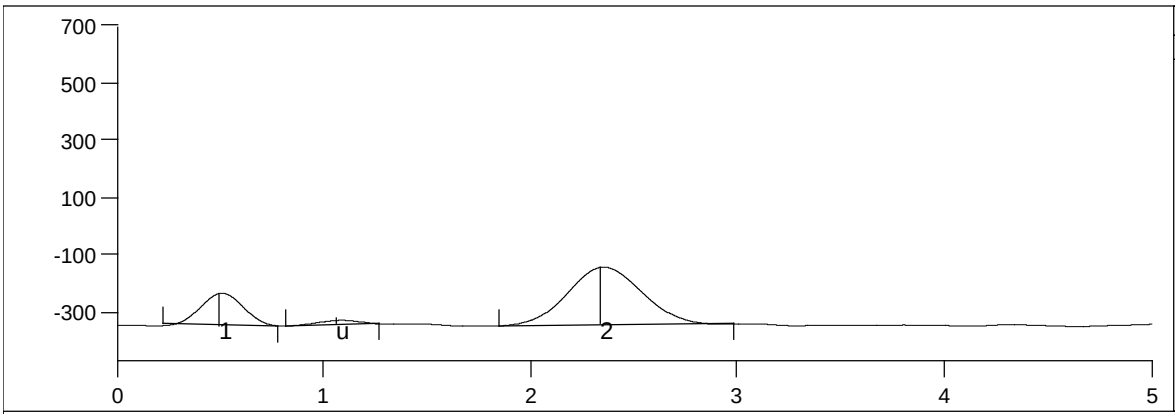
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 6:32 PM

Peak	rt	Height
1	0.50	399
2	1.09	3,755
3	2.33	152

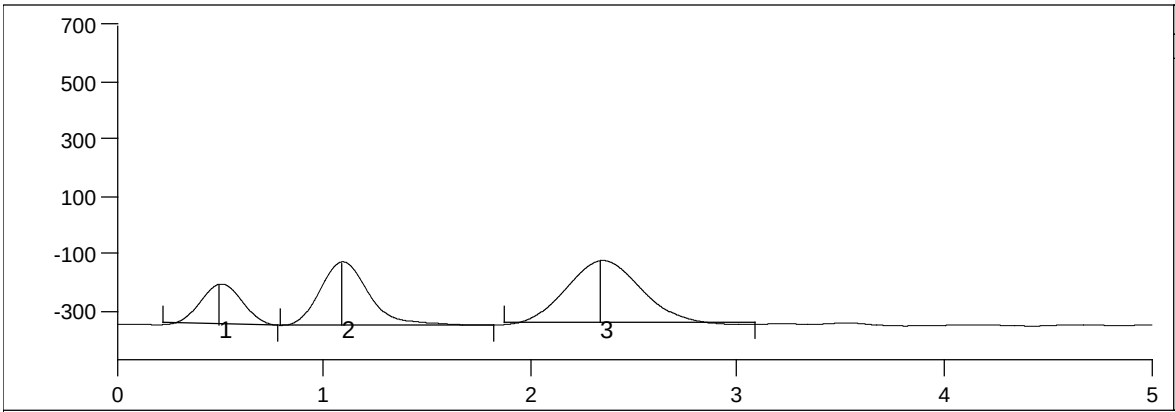
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
79	A	CCV	SEQ-CCV		2	3,755	23.3		93.1	67-133	accept
Notes											



Date: 3/11/14
Time: 6:39 PM

Peak	rt	Height
1	0.50	115
2	2.34	205
u	1.06	16

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
80	B	CCB	SEQ-CCB		u	16	0.0994		0.0994	< 1.15	accept
Notes											



Date: 3/11/14
Time: 6:45 PM

Peak	rt	Height
1	0.50	145
2	1.08	226
3	2.34	226

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
81	C	S	B140367-BS6		2	226	1.35	0.00		< HS	accept
Notes											

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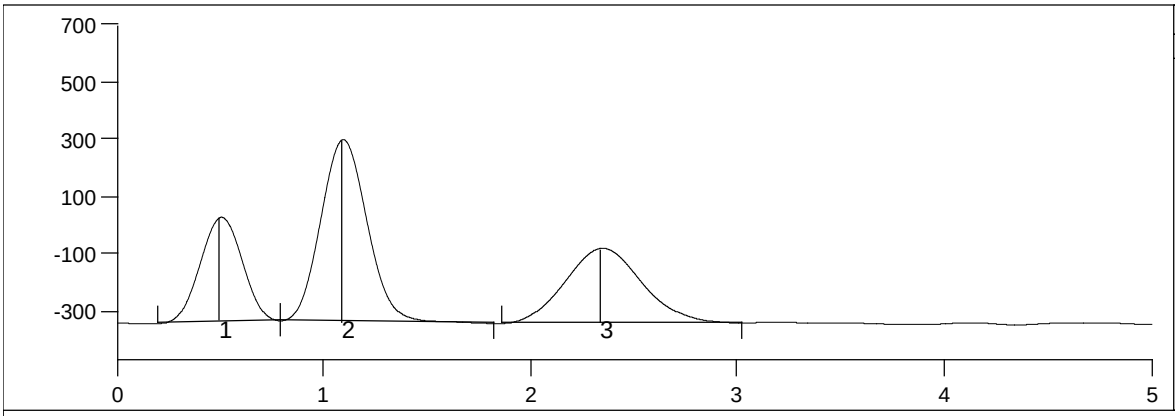
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

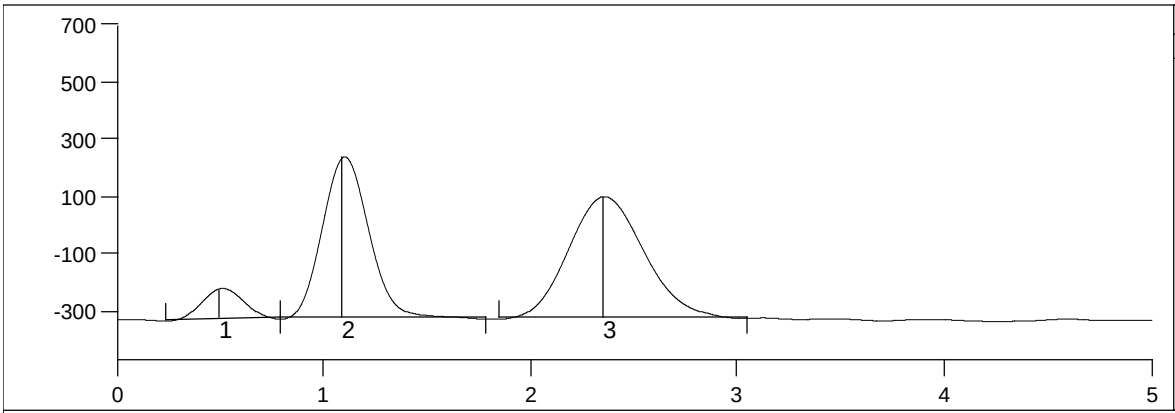
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 6:52 PM

Peak	rt	Height
1	0.50	370
2	1.09	640
3	2.34	266

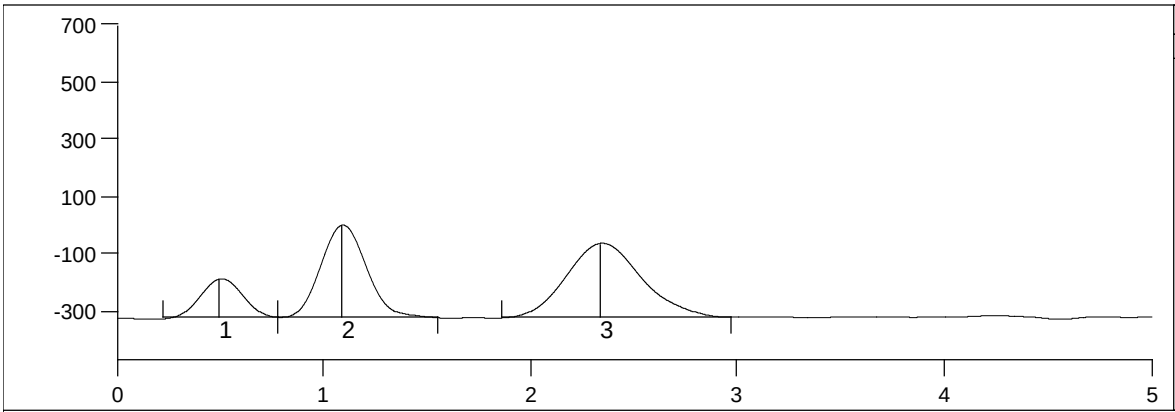
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
82	A	S	B140367-BS7		2	640	3.92	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 6:59 PM

Peak	rt	Height
1	0.50	113
2	1.10	571
3	2.35	431

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
83	B	S	B140367-BS8		2	571	3.50	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 7:05 PM

Peak	rt	Height
1	0.50	141
2	1.09	326
3	2.34	263

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
84	C	S	B140367-BS9		2	326	1.97	0.00		< HS	accept
Notes											

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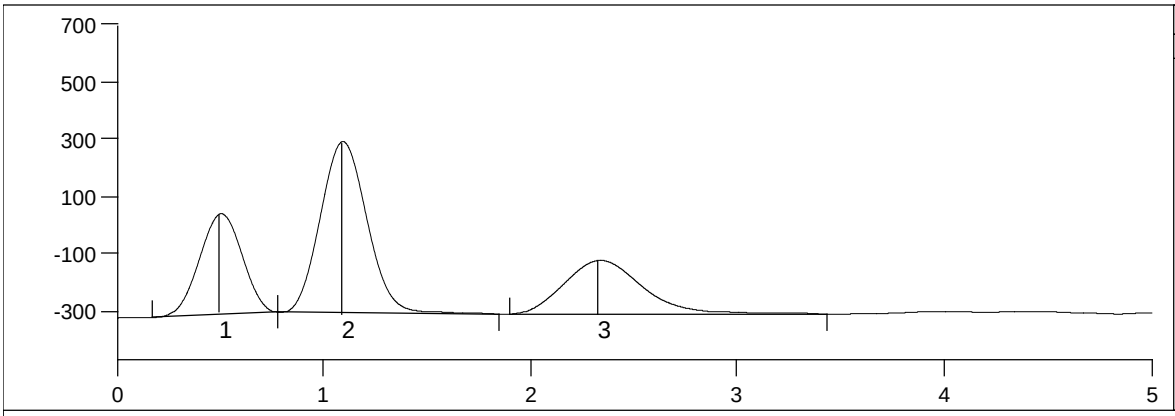
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

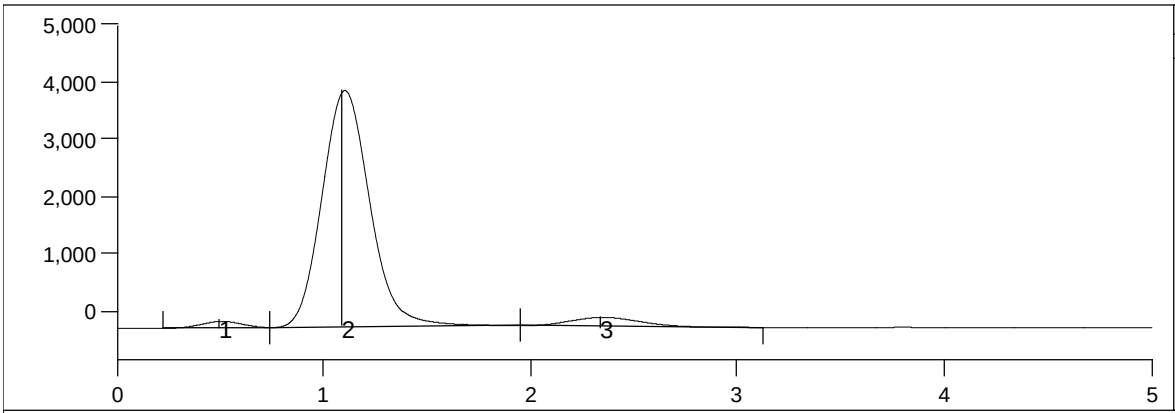
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 7:12 PM

Peak	rt	Height
1	0.50	357
2	1.09	602
3	2.33	191

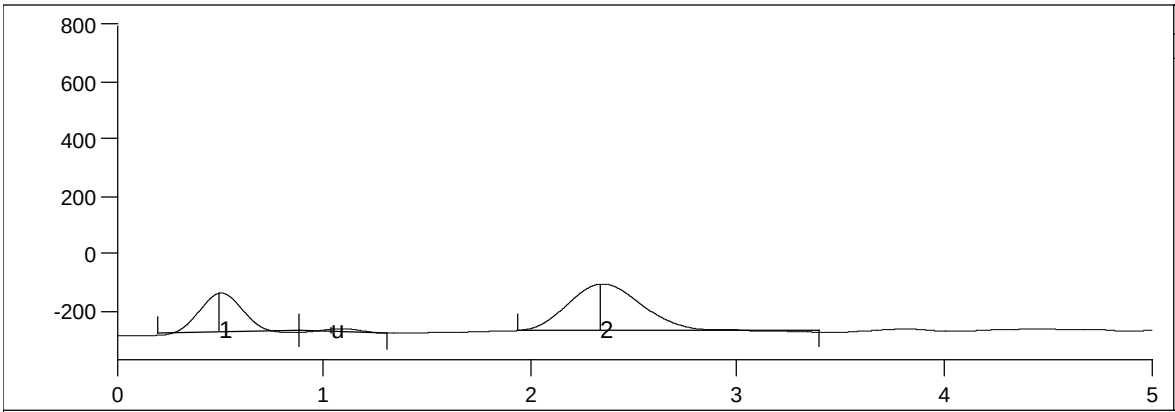
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
85	A	S	B140367-BSA		2	602	3.69	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 7:19 PM

Peak	rt	Height
1	0.50	114
2	1.10	4,158
3	2.34	157

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
86	B	CCV	SEQ-CCV		2	4,158	25.8		103	67-133	accept
Notes											



Date: 3/11/14
Time: 7:25 PM

Peak	rt	Height
1	0.50	146
2	2.34	166
u	1.04	13

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
87	C	CCB	SEQ-CCB		u	13	0.0807		0.0807	< 1.15	accept
Notes											

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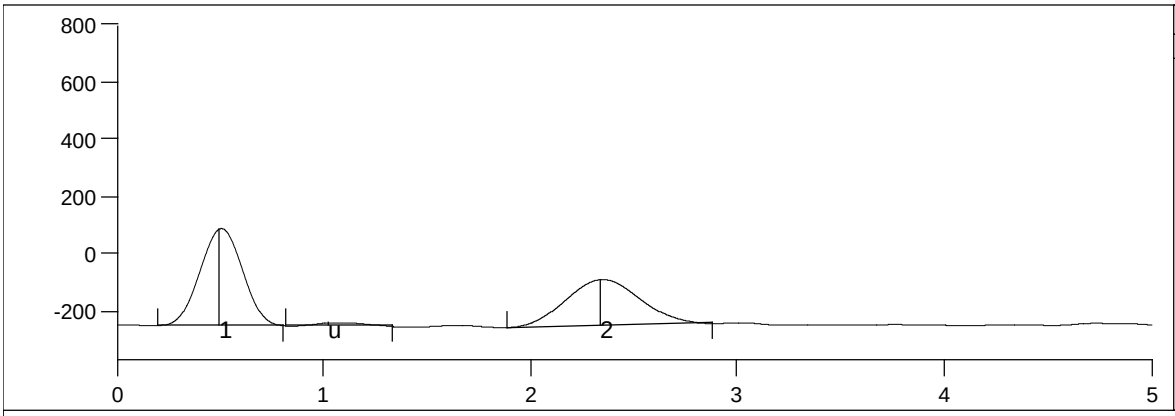
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

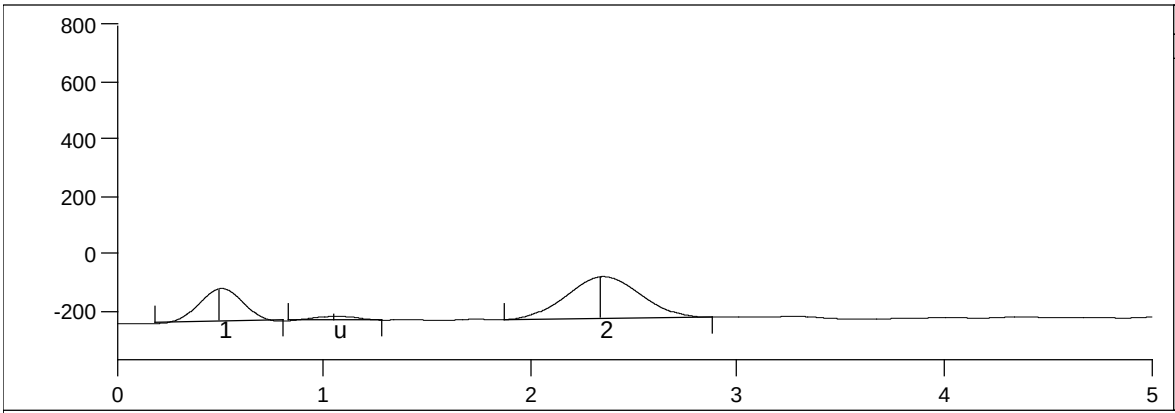
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 7:32 PM

Peak	rt	Height
1	0.50	343
2	2.34	166
u	1.02	12

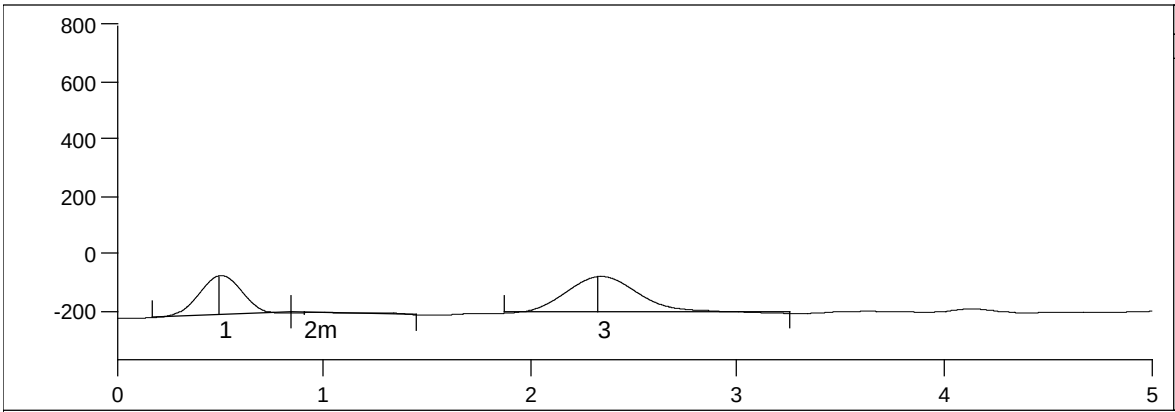
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
88	A	S	B140345-BLK1		u	12	0.0248	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 7:39 PM

Peak	rt	Height
1	0.50	121
2	2.34	150
u	1.05	16

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
89	B	S	B140345-BLK2		u	16	0.0497	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 7:45 PM

Peak	rt	Height
1	0.50	143
2m	0.90	2
3	2.32	131

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
90	C	S	B140345-BLK3		2m	2	-0.0373	0.00		< HS	accept
Notes											

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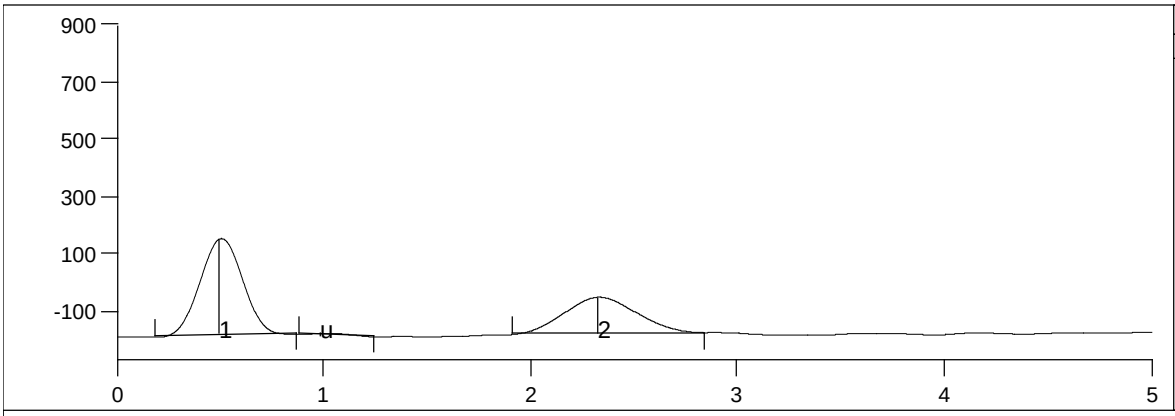
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

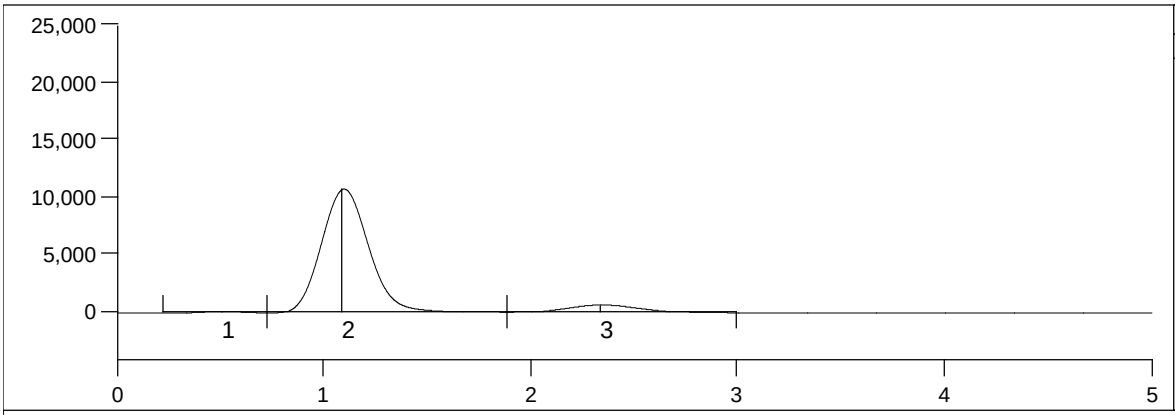
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 7:52 PM

Peak	rt	Height
1	0.50	345
2	2.32	131
u	0.99	5

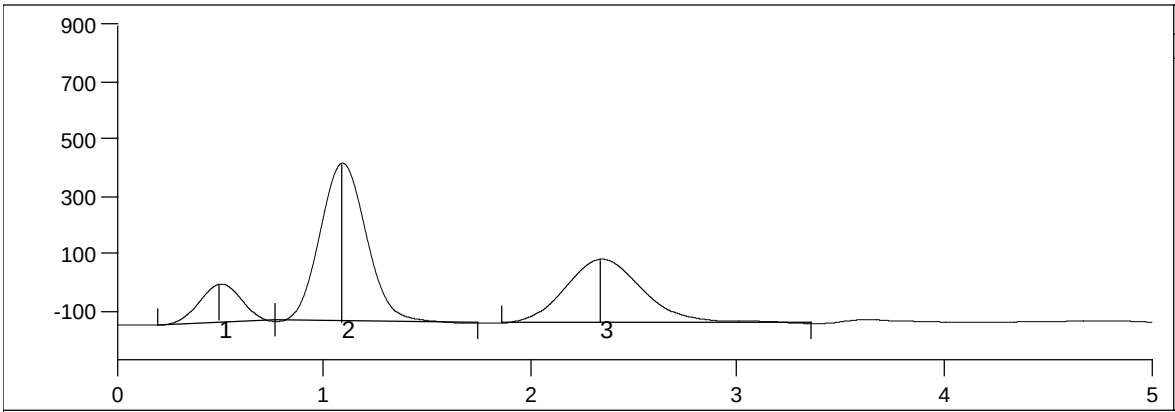
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
91	A	S	B140345-BLK4		u	5	-0.0186	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 7:59 PM

Peak	rt	Height
1	0.50	142
2	1.09	10,881
3	2.34	697

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
92	B	S	B140345-SRM1		2	10,881	67.5	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 8:05 PM

Peak	rt	Height
1	0.50	140
2	1.08	559
3	2.33	226

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
93	C	S	B140345-BS1		2	559	3.42	0.00		< HS	accept
Notes											

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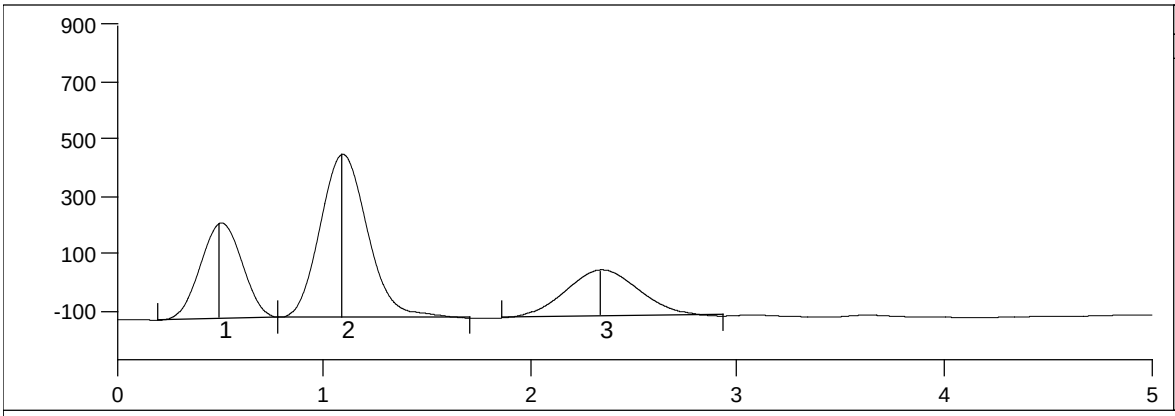
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

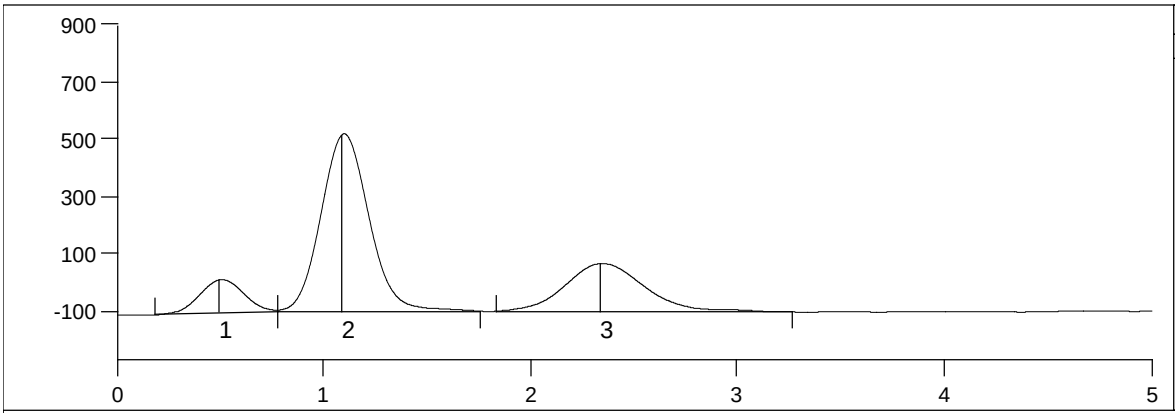
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 8:12 PM

Peak	rt	Height
1	0.50	338
2	1.08	575
3	2.34	169

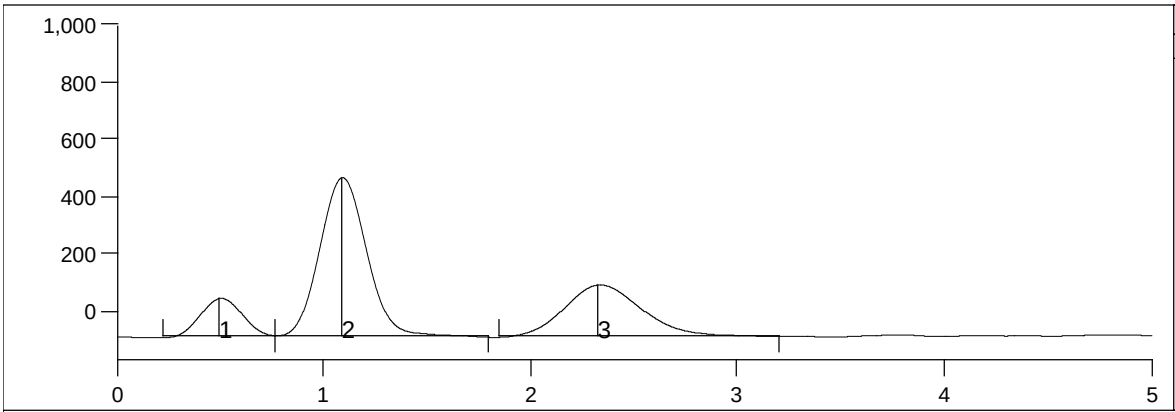
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
94	A	S	B140345-BS2		2	575	3.52	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 8:19 PM

Peak	rt	Height
1	0.50	116
2	1.09	618
3	2.34	169

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
95	B	S	B140345-BS3		2	618	3.79	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 8:25 PM

Peak	rt	Height
1	0.50	138
2	1.08	558
3	2.33	185

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
96	C	S	B140345-BS4		2	558	3.42	0.00		< HS	accept
Notes											

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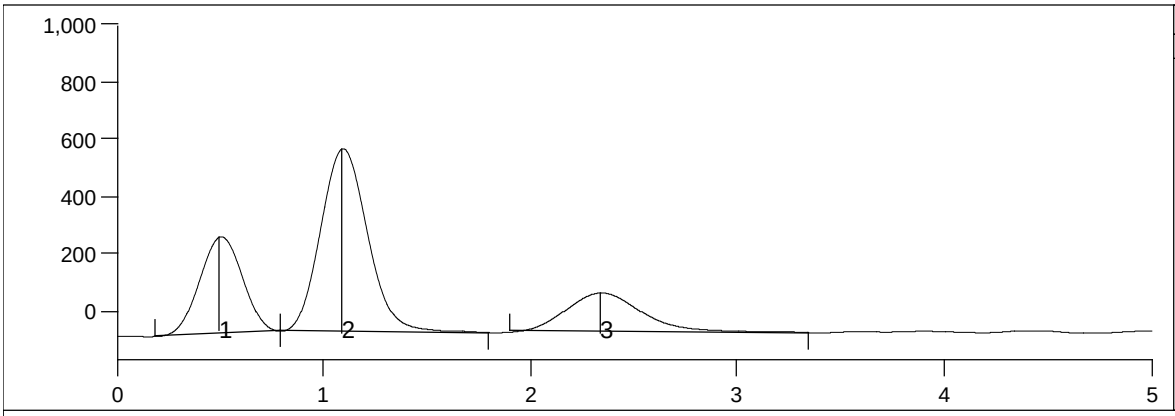
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

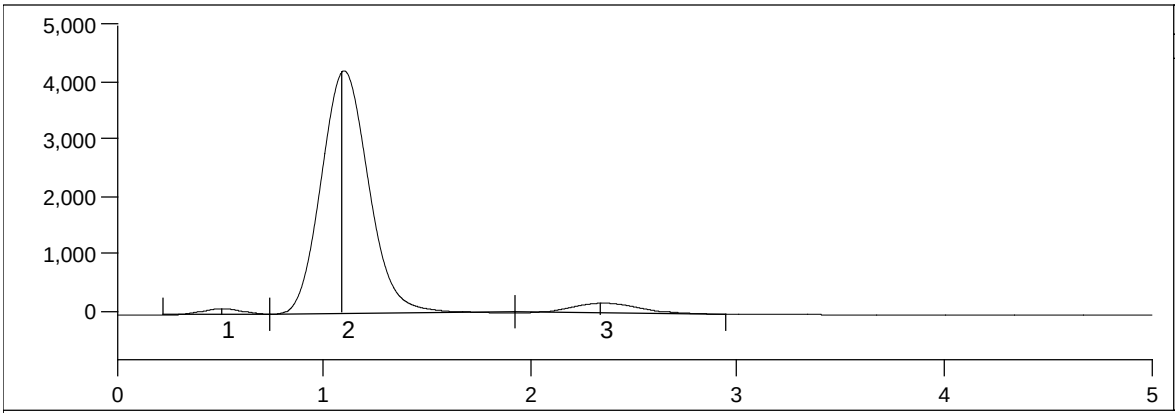
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 8:32 PM

Peak	rt	Height
1	0.50	343
2	1.09	643
3	2.34	140

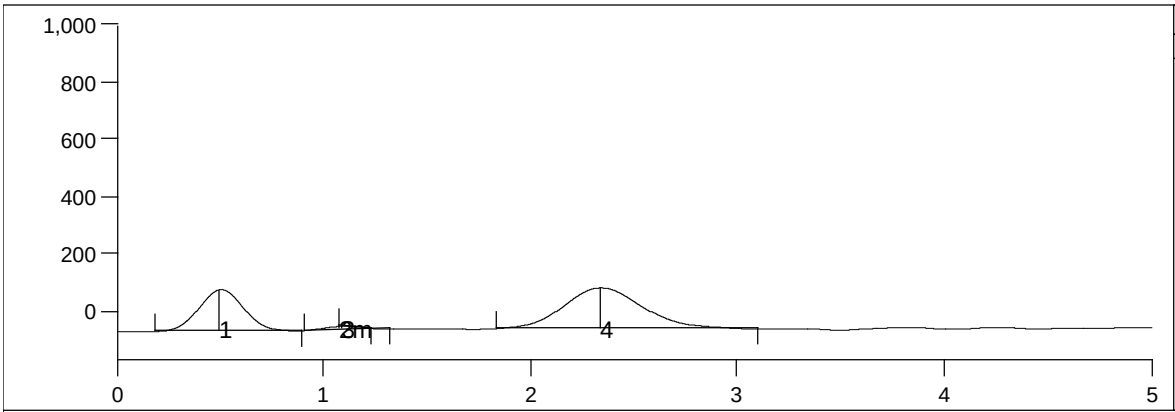
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
97	A	S	B140345-BS5		2	643	3.94	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 8:39 PM

Peak	rt	Height
1	0.50	116
2	1.09	4,273
3	2.34	195

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
98	B	CCV	SEQ-CCV		2	4,273	26.5		106	67-133	accept
Notes											



Date: 3/11/14
Time: 8:45 PM

Peak	rt	Height
1	0.50	148
2m	1.08	14
3	1.09	1
4	2.33	146

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
99	C	CCB	SEQ-CCB		2m	14	0.0869		0.0869	< 1.15	accept
Notes											

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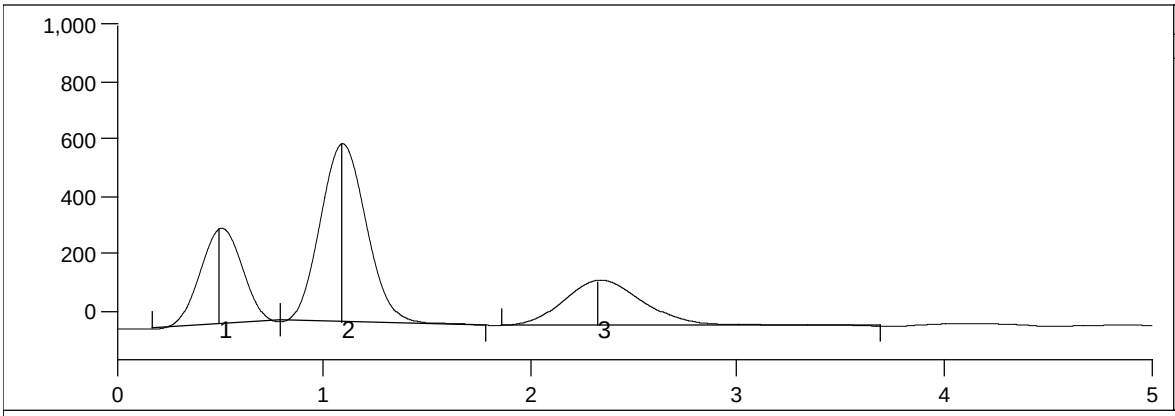
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

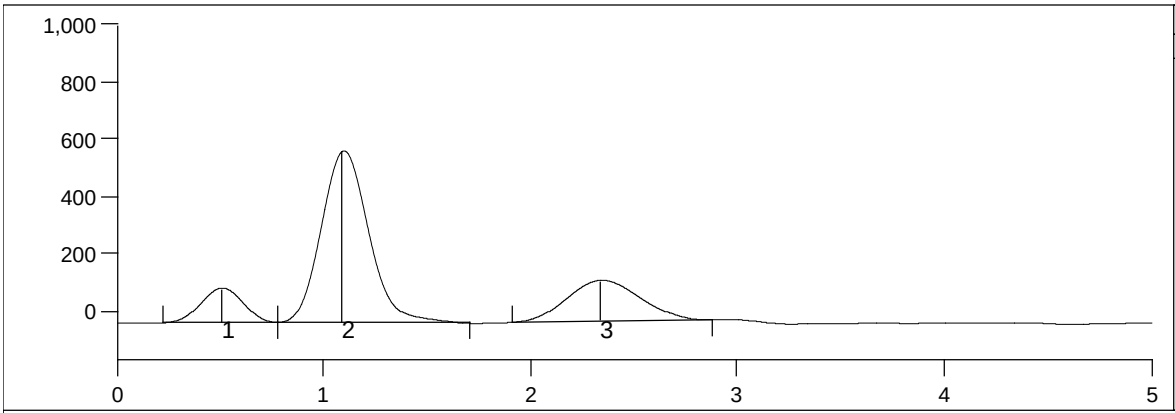
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 8:52 PM

Peak	rt	Height
1	0.50	343
2	1.08	630
3	2.33	162

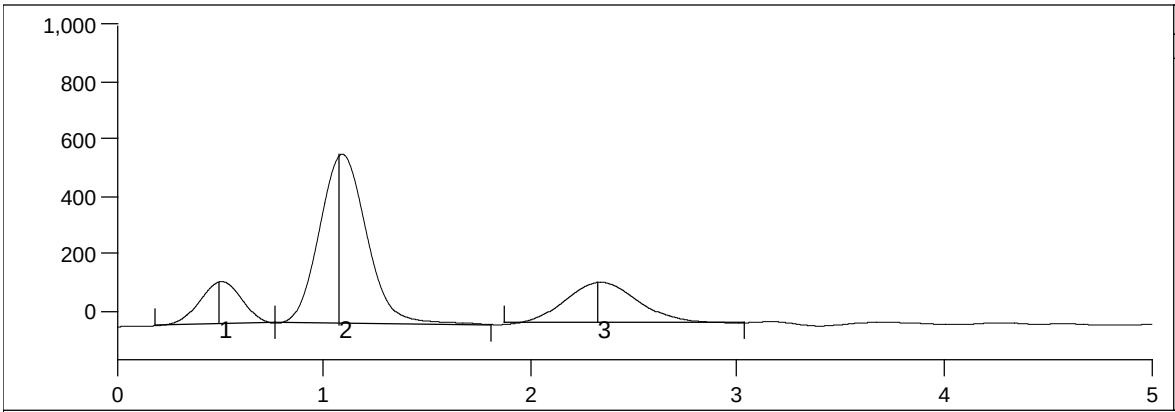
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
100	A	S	B140345-BS6		2	630	3.86	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 8:59 PM

Peak	rt	Height
1	0.50	124
2	1.09	605
3	2.34	146

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
101	B	S	B140345-BS7		2	605	3.71	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 9:05 PM

Peak	rt	Height
1	0.50	154
2	1.08	596
3	2.33	148

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
102	C	S	B140345-BS8		2	596	3.65	0.00		< HS	accept
Notes											

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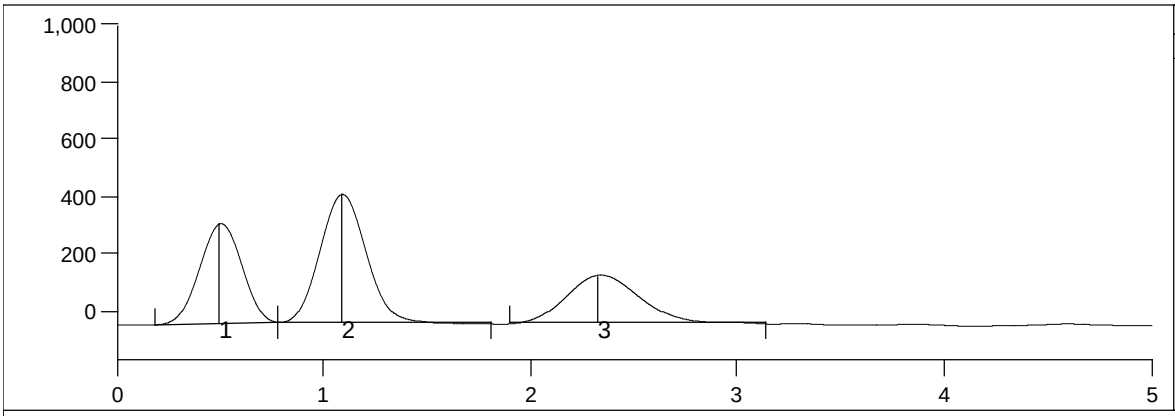
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

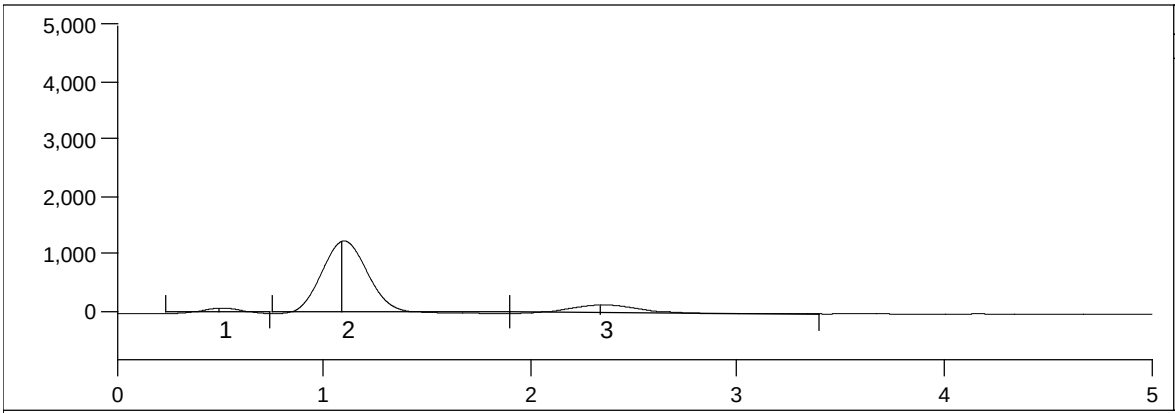
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 9:12 PM

Peak	rt	Height
1	0.50	353
2	1.08	452
3	2.32	173

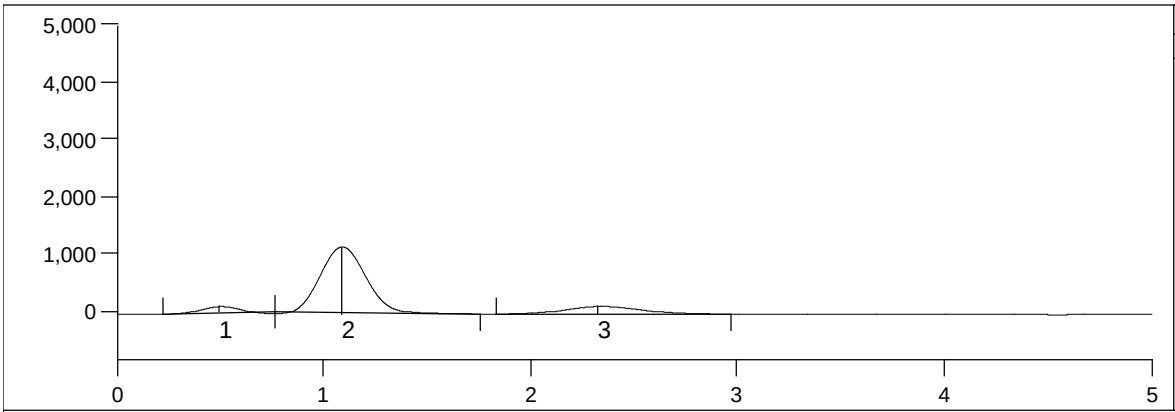
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
103	A	S	B140345-BS9		2	452	2.76	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 9:19 PM

Peak	rt	Height
1	0.50	111
2	1.09	1,287
3	2.34	163

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
104	B	S	B140345-BSA		2	1,287	7.94	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 9:25 PM

Peak	rt	Height
1	0.50	141
2	1.08	1,185
3	2.33	148

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
105	C	S	B140345-BSB		2	1,185	7.31	0.00		< HS	accept
Notes											

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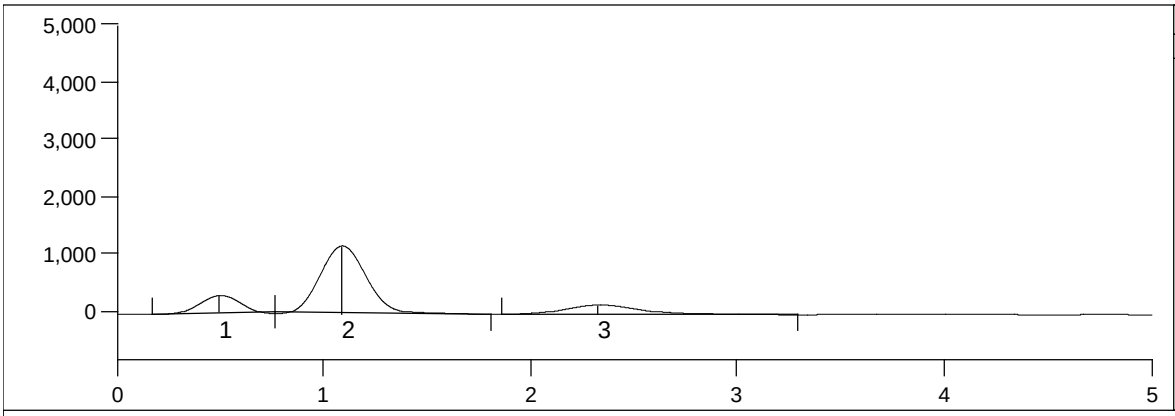
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

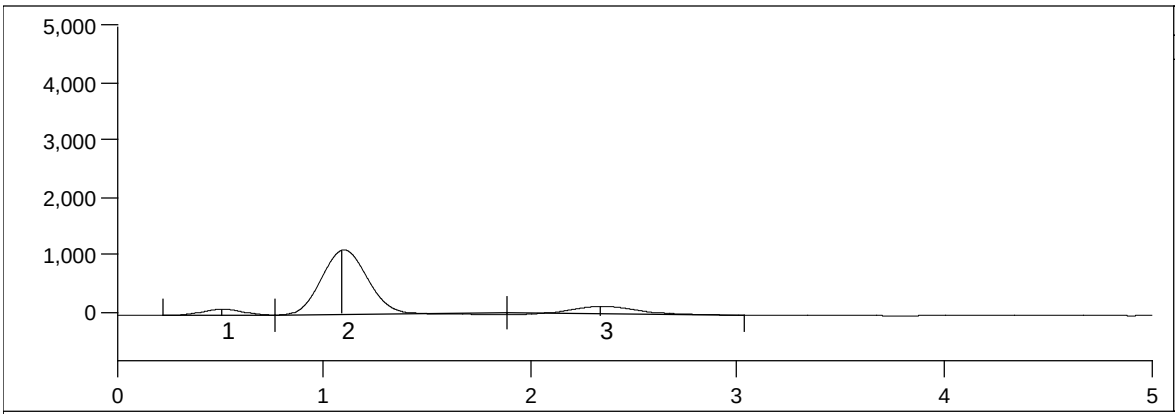
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 9:32 PM

Peak	rt	Height
1	0.50	337
2	1.08	1,203
3	2.32	177

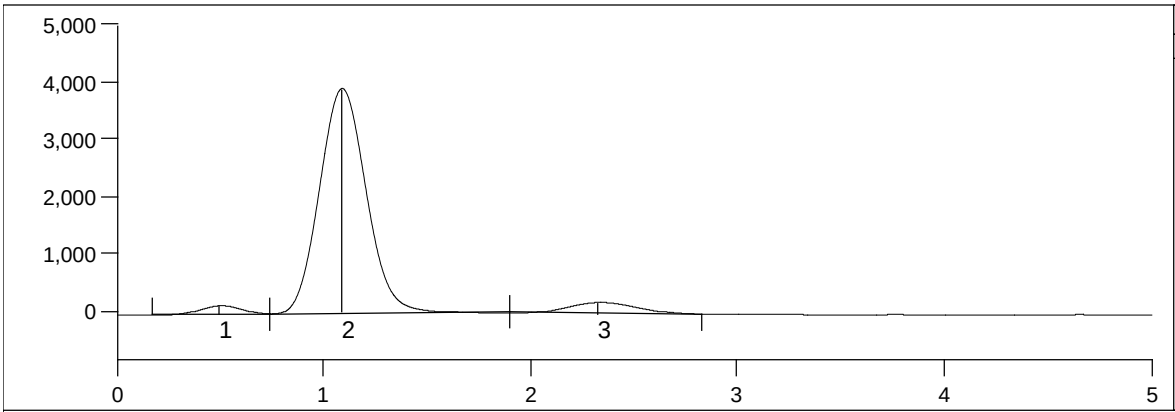
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
106	A	S	B140345-BSC		2	1,203	7.42	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 9:39 PM

Peak	rt	Height
1	0.50	120
2	1.09	1,154
3	2.34	162

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
107	B	S	B140345-BSD		2	1,154	7.12	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 9:45 PM

Peak	rt	Height
1	0.50	166
2	1.08	3,959
3	2.33	208

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
108	C	CCV	SEQ-CCV		2	3,959	24.5		98.1	67-133	accept
Notes											

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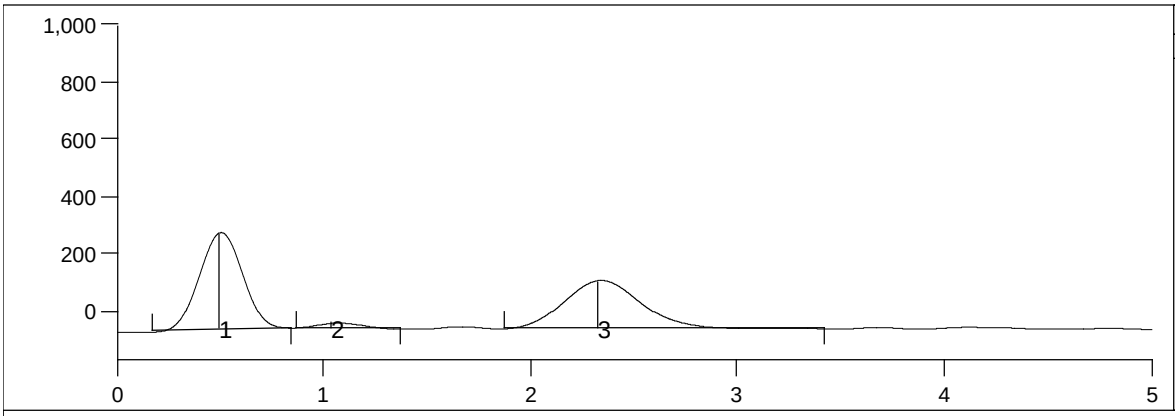
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

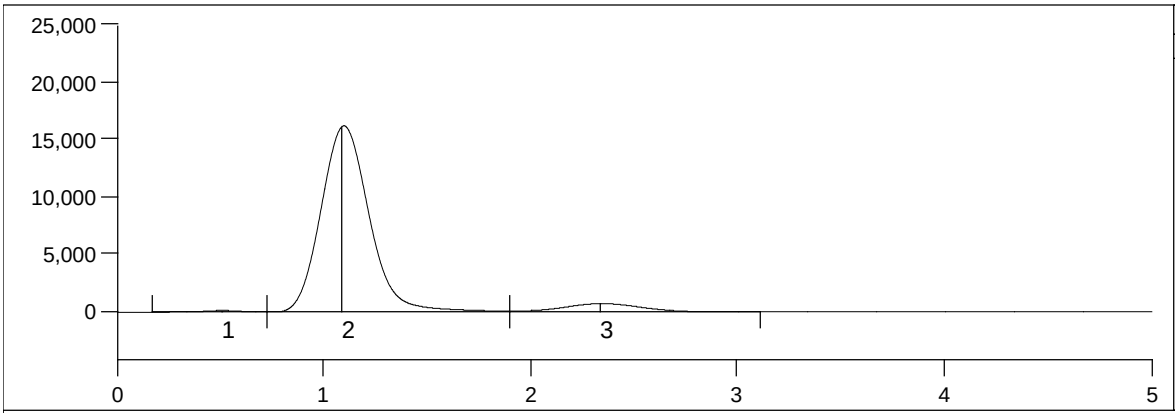
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 9:52 PM

Peak	rt	Height
1	0.50	346
2	1.04	17
3	2.33	171

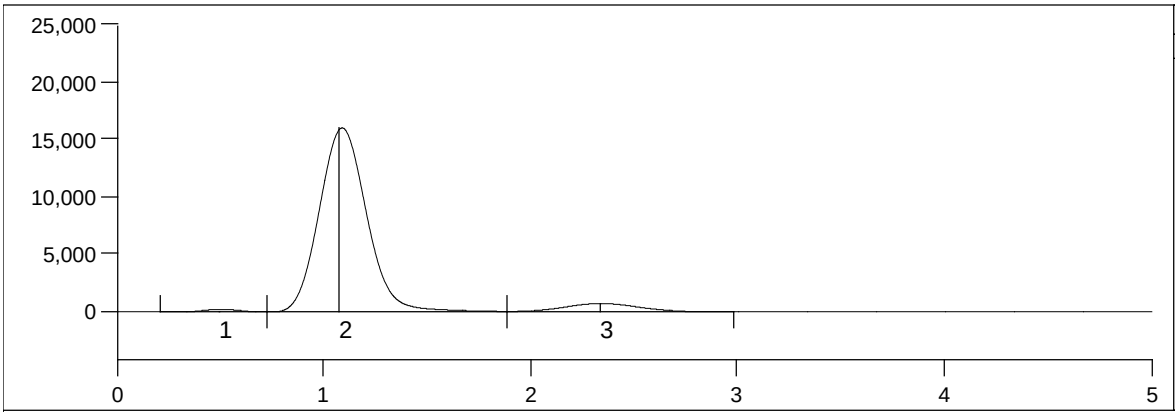
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
109	A	CCB	SEQ-CCB		2	17	0.106		0.106	< 1.15	accept
Notes											



Date: 3/11/14
Time: 9:59 PM

Peak	rt	Height
1	0.50	173
2	1.09	16,309
3	2.34	691

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
110	B	S	B140272-SRM2		2	16,309	101	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 10:05 PM

Peak	rt	Height
1	0.50	261
2	1.08	16,127
3	2.33	722

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
111	C	S	B140272-SRM3		2	16,127	100.	0.00		< HS	accept
Notes											

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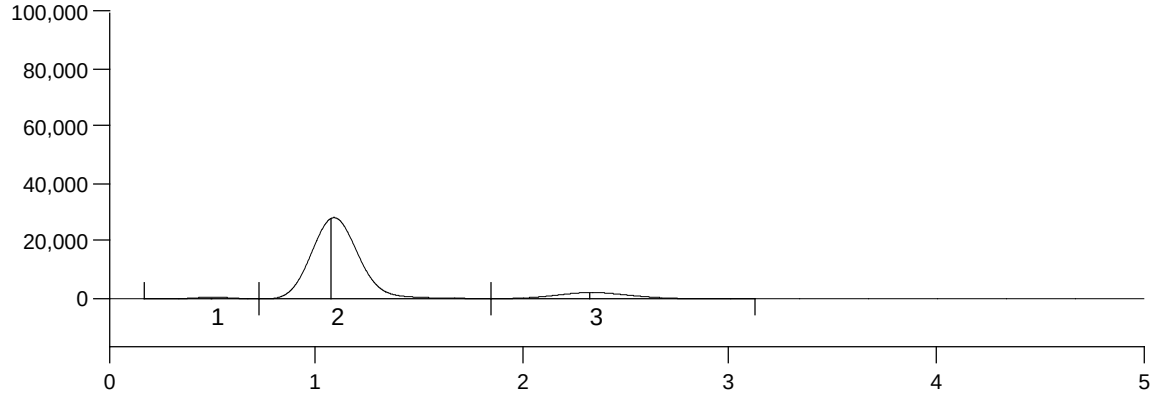
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

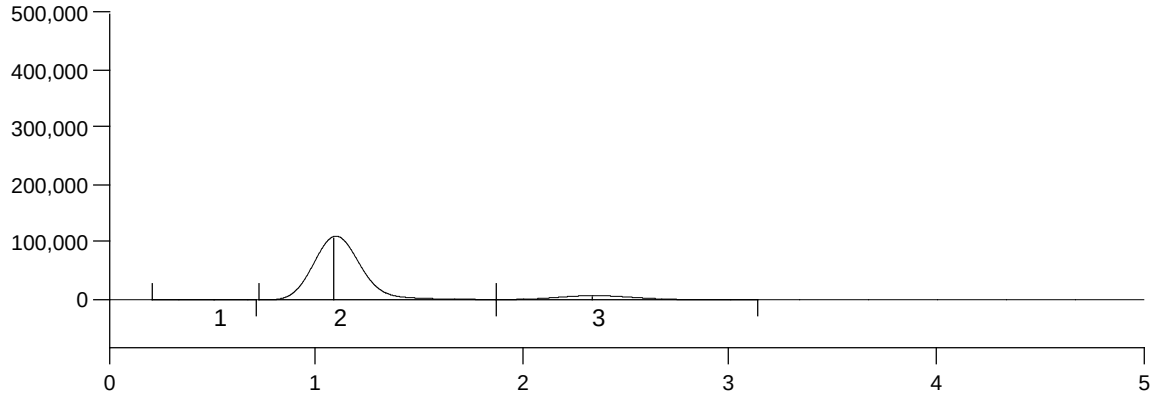
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 10:12 PM

Peak	rt	Height
1	0.50	636
2	1.08	28,467
3	2.33	2,132

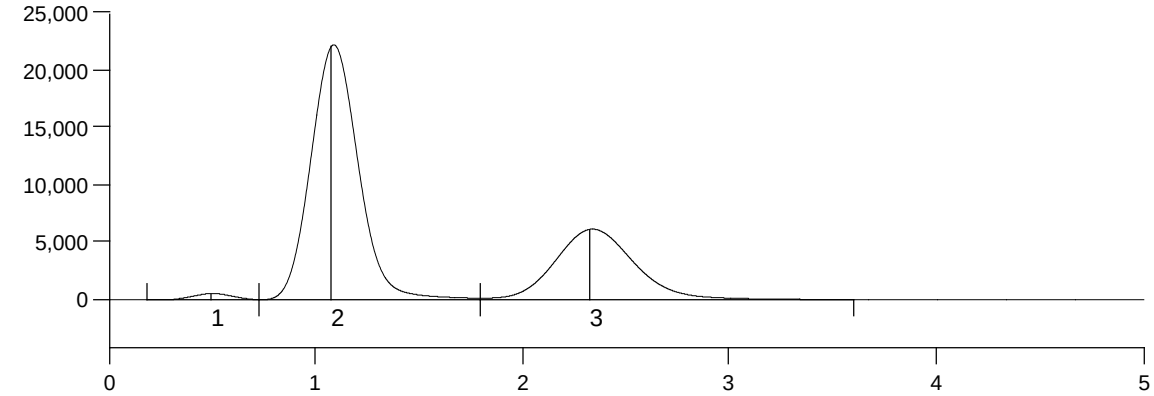
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
112	A	S	1406034-05RE1		2	28,467	177	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 10:19 PM

Peak	rt	Height
1	0.50	559
2	1.09	111,562
3	2.34	7,027

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
113	B	S	1406034-06RE1		2	111,562	693	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 10:25 PM

Peak	rt	Height
1	0.50	548
2	1.08	22,295
3	2.33	6,086

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
114	C	S	1406034-07RE1		2	22,295	138	0.00		< HS	accept
Notes											

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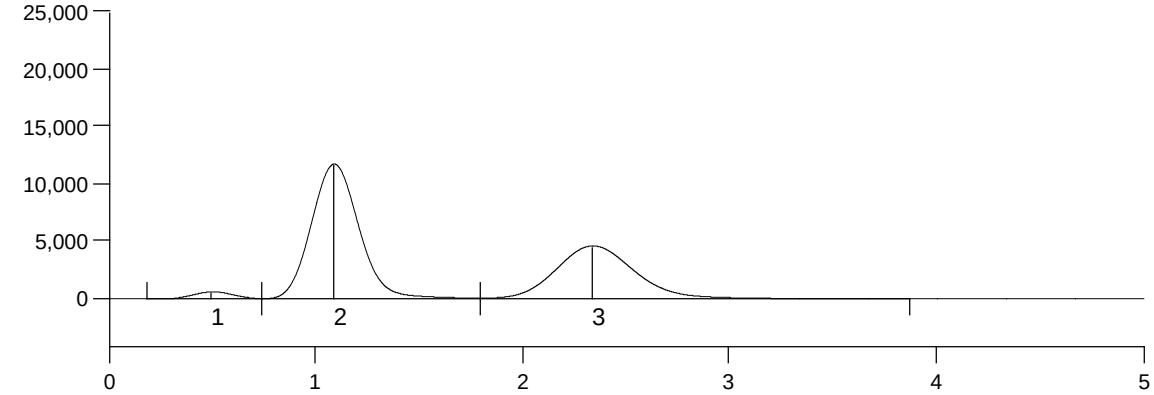
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

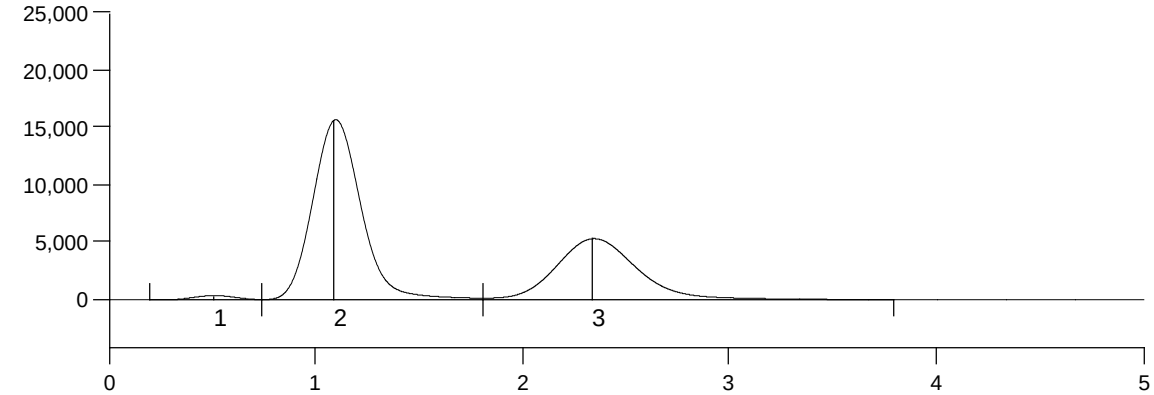
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 10:32 PM

Peak	rt	Height
1	0.50	622
2	1.08	11,777
3	2.33	4,596

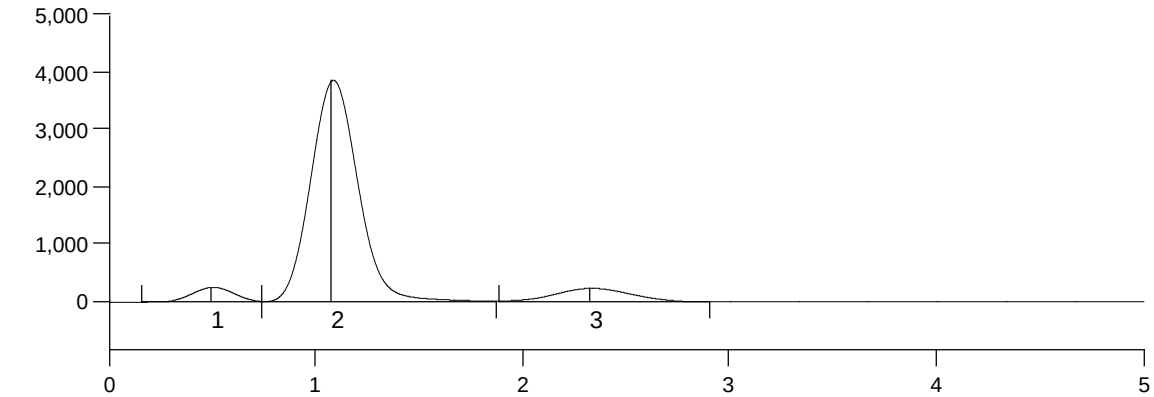
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
115	A	S	1406034-08RE1		2	11,777	73.1	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 10:39 PM

Peak	rt	Height
1	0.50	378
2	1.09	15,728
3	2.34	5,250

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
116	B	S	1406034-09RE1		2	15,728	97.6	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 10:45 PM

Peak	rt	Height
1	0.50	258
2	1.08	3,874
3	2.33	229

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
117	C	CCV	SEQ-CCV		2	3,874	24.0		96.0	67-133	accept
Notes											

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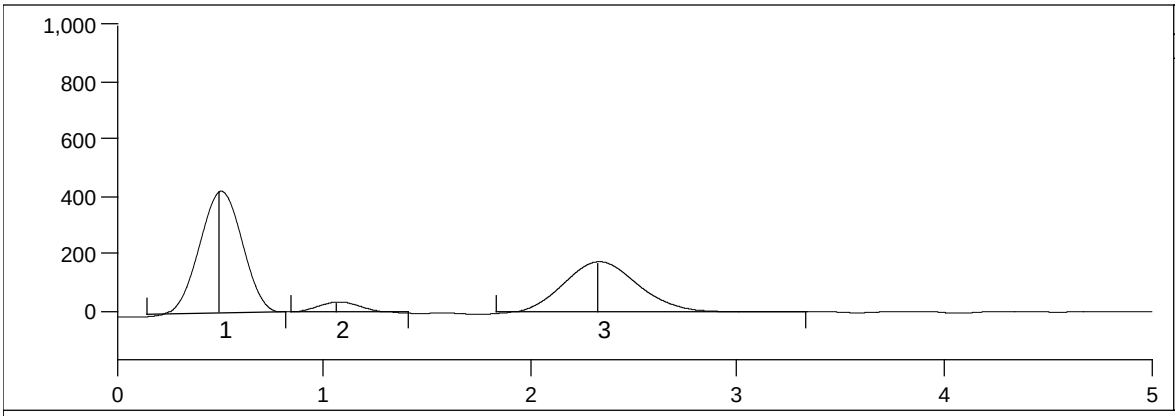
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

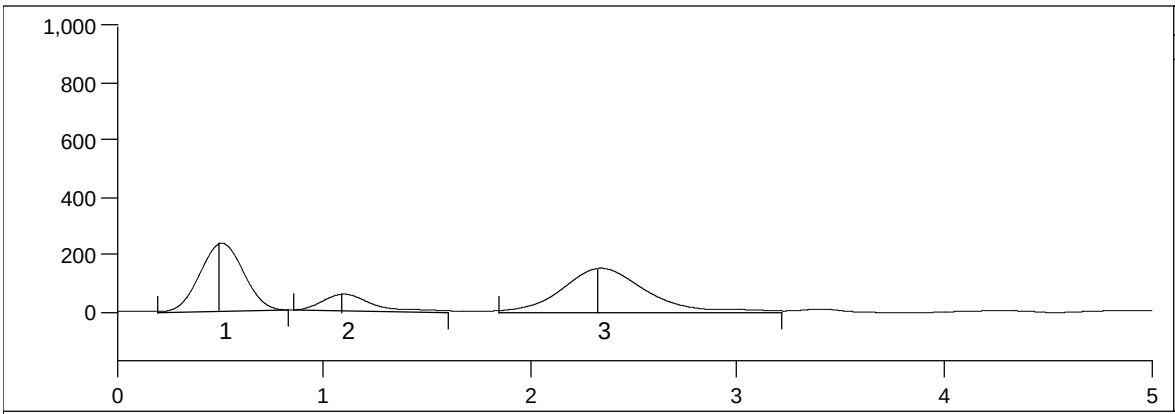
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 10:52 PM

Peak	rt	Height
1	0.50	433
2	1.06	37
3	2.32	183

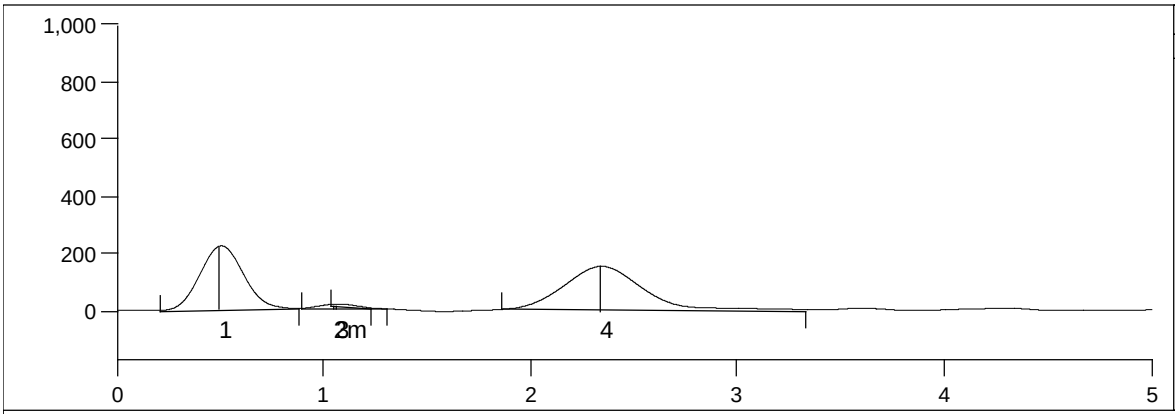
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
118	A	CCB	SEQ-CCB		2	37	0.230		0.230	< 1.15	accept
Notes											



Date: 3/11/14
Time: 10:59 PM

Peak	rt	Height
1	0.50	237
2	1.09	56
3	2.33	148

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
119	B	S	B140300-BLK1		2	56	0.298	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 11:05 PM

Peak	rt	Height
1	0.50	223
2m	1.05	15
3	1.06	2
4	2.33	150

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
120	C	S	B140300-BLK2		2m	15	0.0435	0.00		< HS	accept
Notes											

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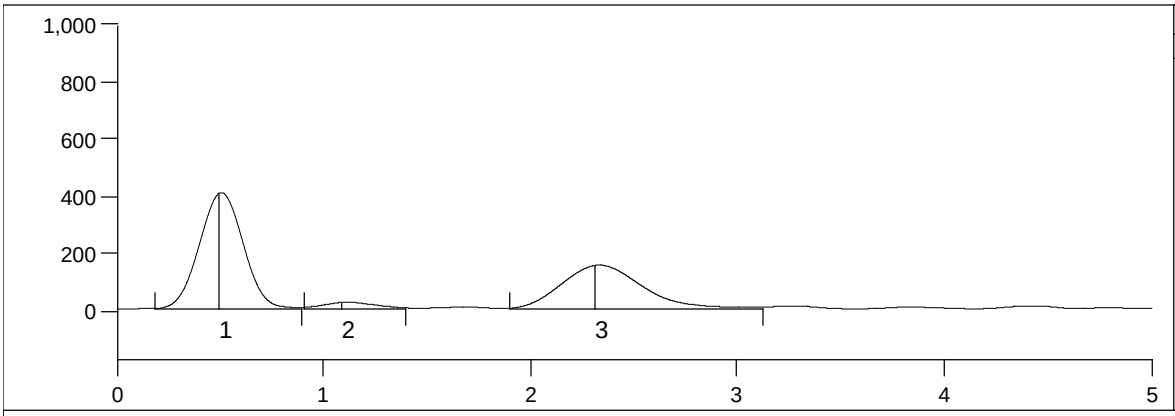
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

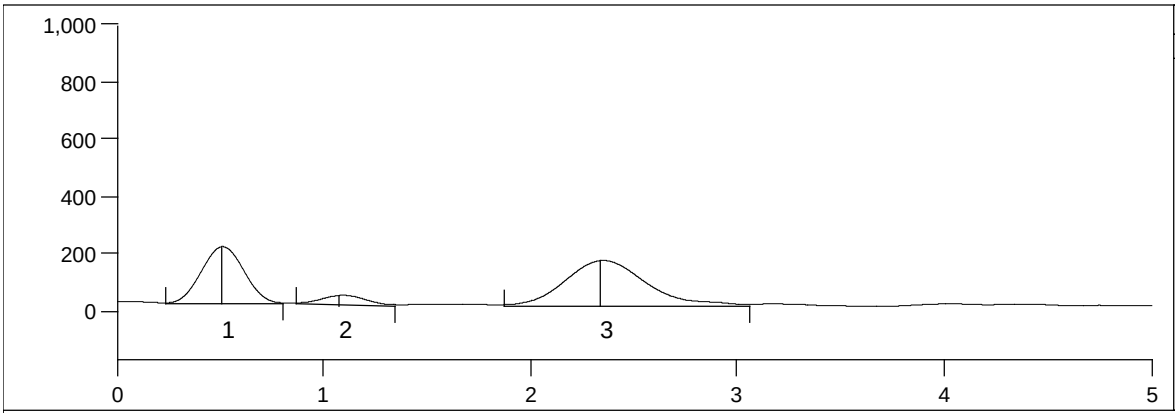
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 11:12 PM

Peak	rt	Height
1	0.50	404
2	1.09	18
3	2.32	149

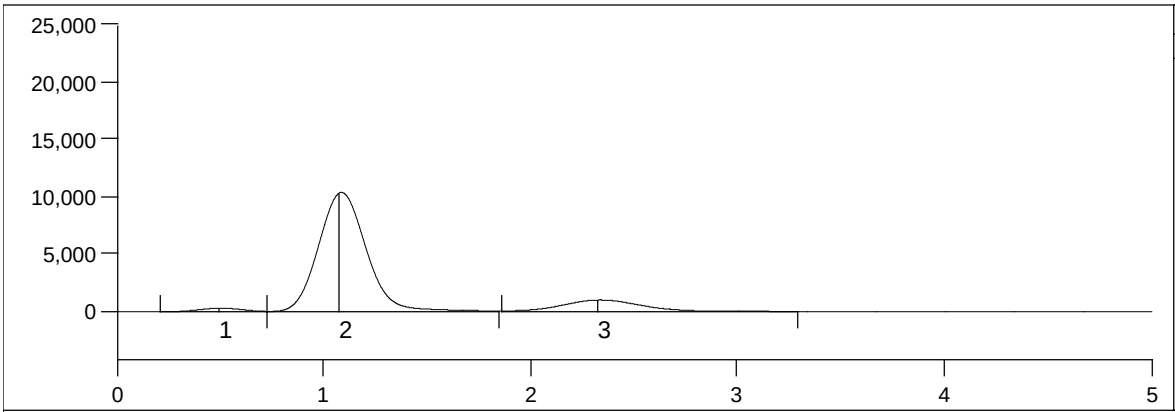
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
121	A	S	B140300-BLK3		2	18	0.0621	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 11:19 PM

Peak	rt	Height
1	0.50	197
2	1.08	30
3	2.34	154

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
122	B	S	B140300-BLK4		2	30	0.137	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 11:25 PM

Peak	rt	Height
1	0.50	293
2	1.08	10,416
3	2.33	966

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
123	C	S	B140300-SRM1		2	10,416	64.6	0.00		< HS	accept
Notes											

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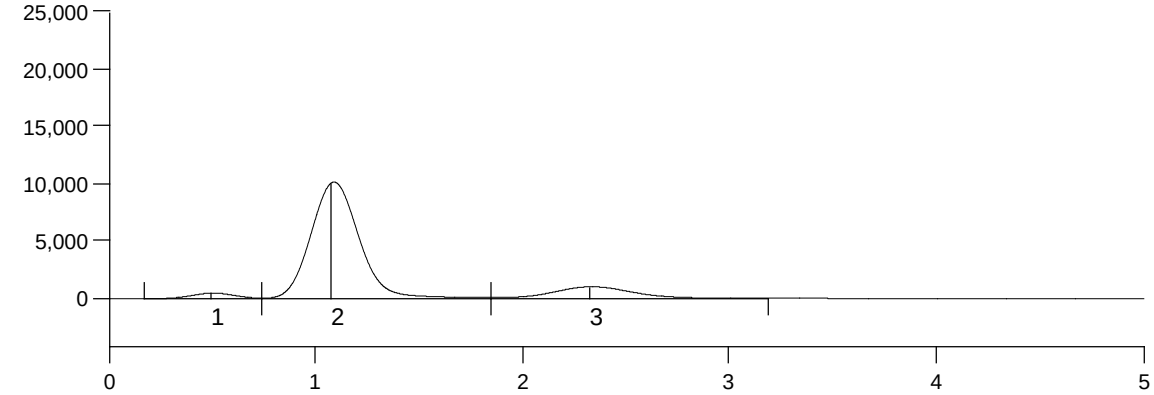
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

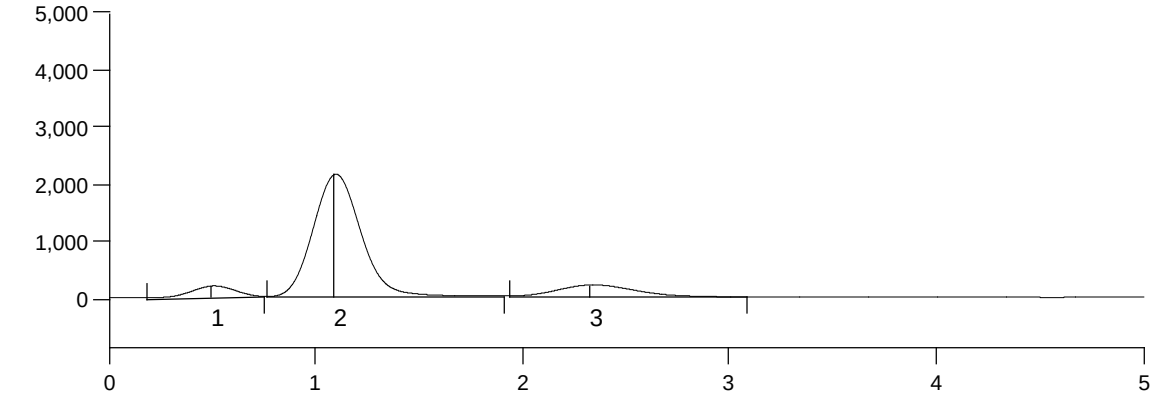
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 11:32 PM

Peak	rt	Height
1	0.50	464
2	1.08	10,165
3	2.33	977

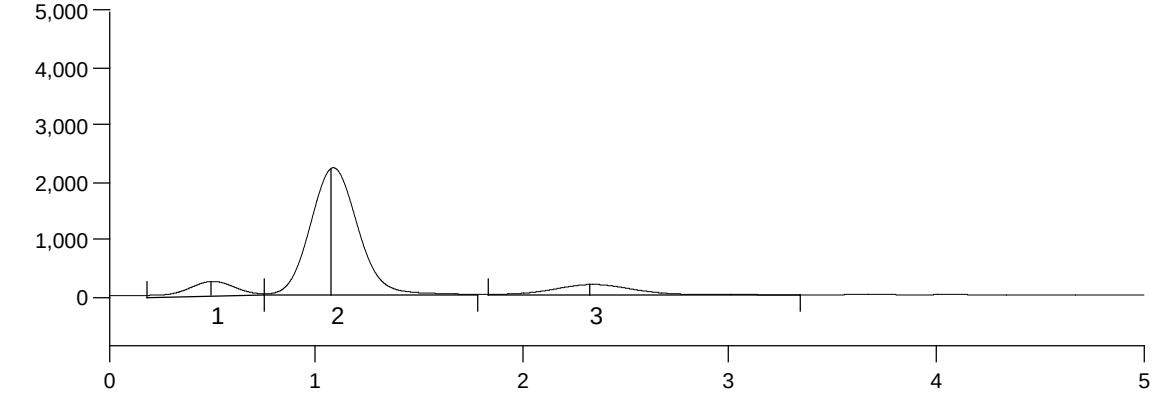
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
124	A	S	B140300-SRM2		2	10,165	63.1	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 11:39 PM

Peak	rt	Height
1	0.50	196
2	1.09	2,140
3	2.33	199

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
125	B	S	1408020-01		2	2,140	13.2	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 11:45 PM

Peak	rt	Height
1	0.50	231
2	1.08	2,211
3	2.33	176

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
126	C	S	B140300-DUP1		2	2,211	13.7	0.00		< HS	accept
Notes											

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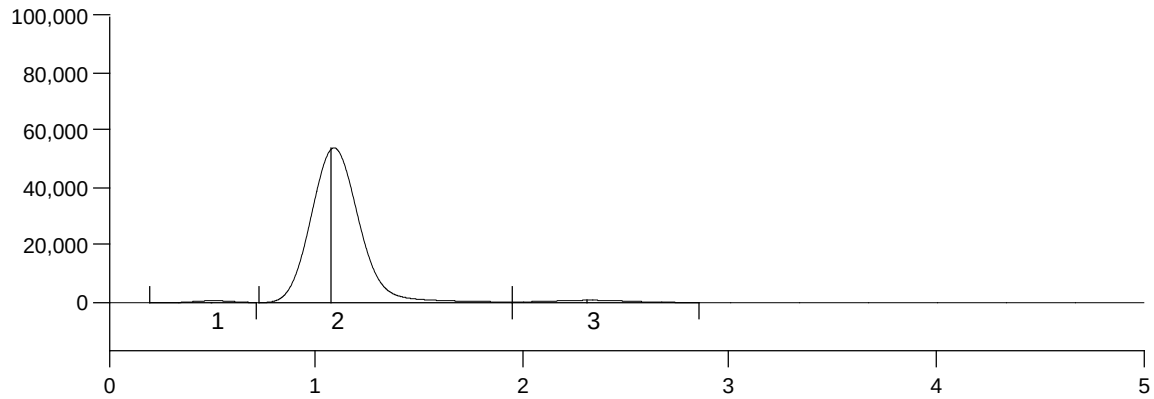
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

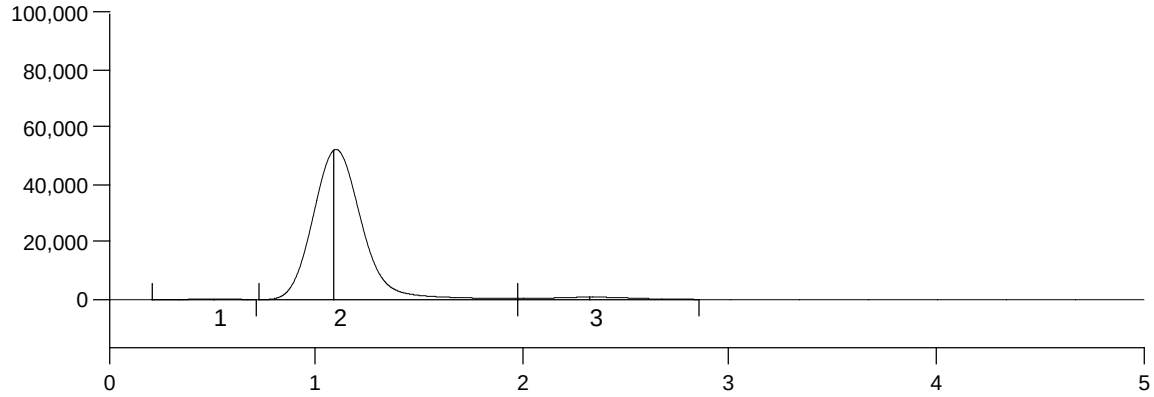
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/11/14
Time: 11:52 PM

Peak	rt	Height
1	0.50	659
2	1.08	54,149
3	2.32	634

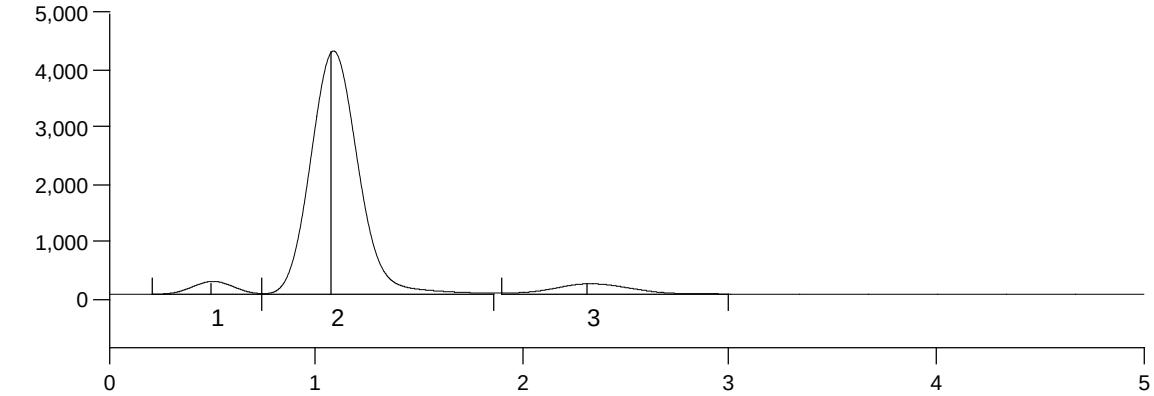
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
127	A	S	B140300-MS1		2	54,149	336	0.00		< HS	accept
Notes											



Date: 3/11/14
Time: 11:59 PM

Peak	rt	Height
1	0.50	327
2	1.09	52,524
3	2.33	613

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
128	B	S	B140300-MSD1		2	52,524	326	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 12:05 AM

Peak	rt	Height
1	0.50	220
2	1.08	4,252
3	2.32	171

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
129	C	CCV	SEQ-CCV		2	4,252	26.4		105	67-133	accept
Notes											

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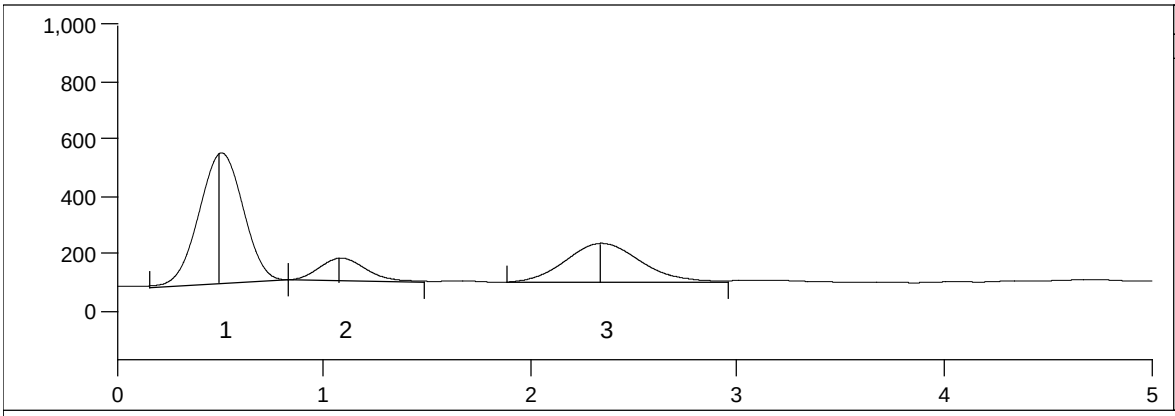
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

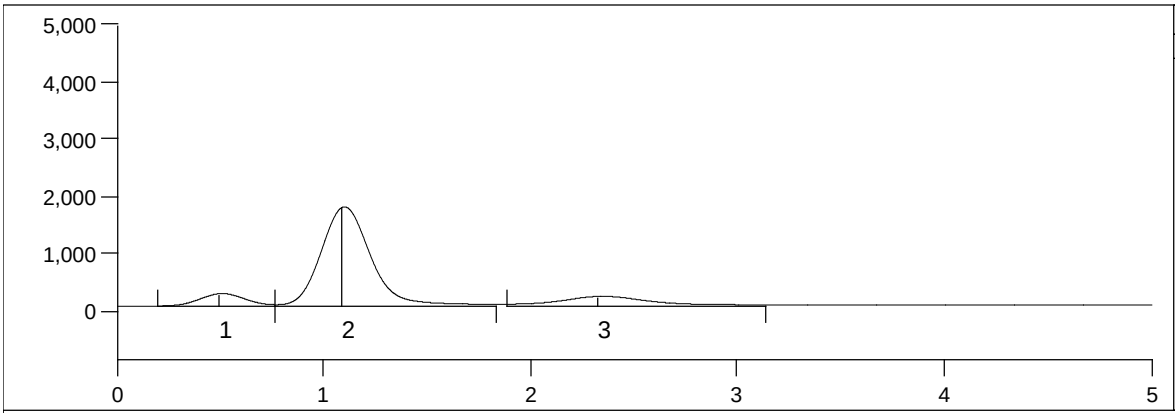
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/12/14
Time: 12:12 AM

Peak	rt	Height
1	0.50	456
2	1.08	78
3	2.34	135

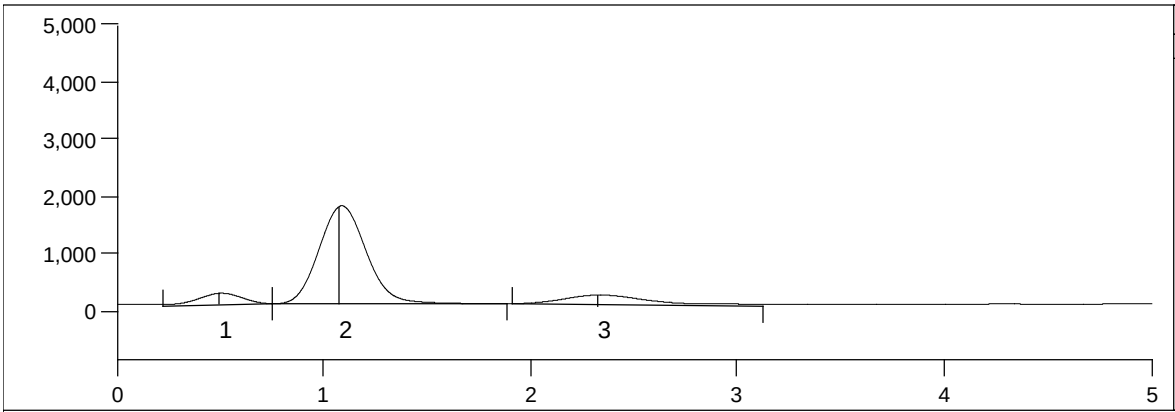
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
130	A	CCB	SEQ-CCB		2	78	0.484		0.484	< 1.15	accept
Notes											



Date: 3/12/14
Time: 12:19 AM

Peak	rt	Height
1	0.50	206
2	1.09	1,715
3	2.33	141

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
131	B	S	1408020-02		2	1,715	10.6	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 12:25 AM

Peak	rt	Height
1	0.50	189
2	1.08	1,716
3	2.32	156

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
132	C	S	1408020-03		2	1,716	10.6	0.00		< HS	accept
Notes											

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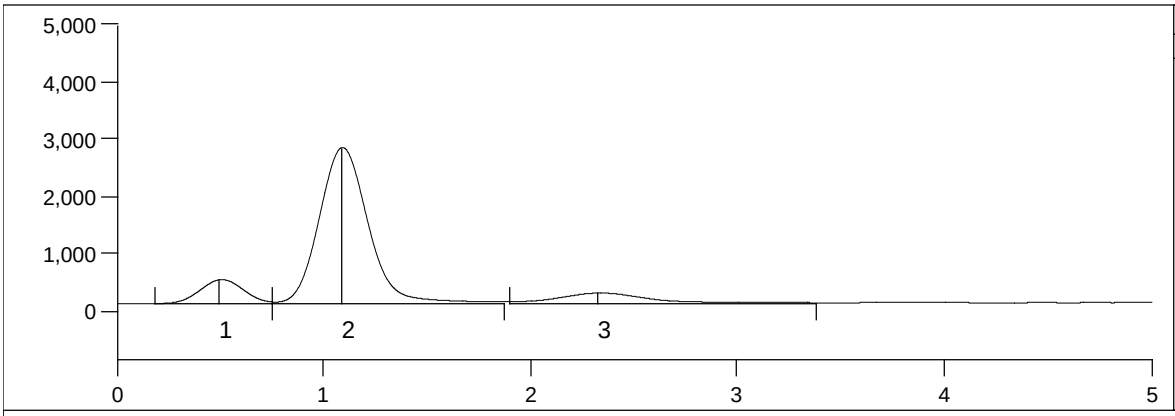
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

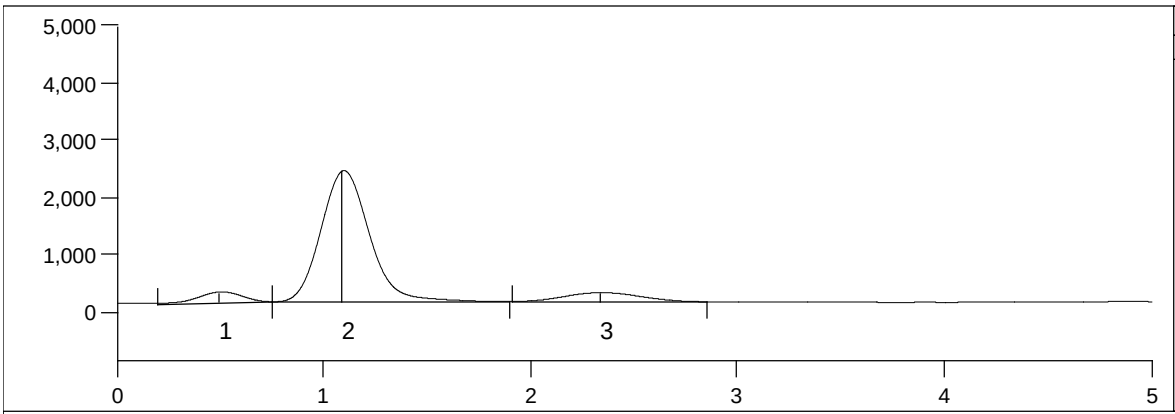
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/12/14
Time: 12:32 AM

Peak	rt	Height
1	0.50	406
2	1.08	2,709
3	2.33	157

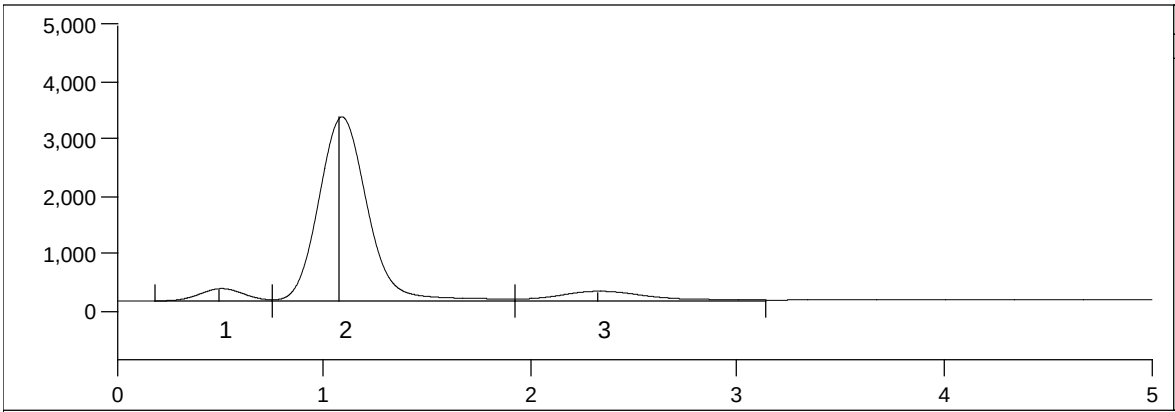
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
133	A	S	1408020-04		2	2,709	16.8	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 12:39 AM

Peak	rt	Height
1	0.50	187
2	1.09	2,297
3	2.34	156

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
134	B	S	1408020-05		2	2,297	14.2	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 12:45 AM

Peak	rt	Height
1	0.50	205
2	1.08	3,202
3	2.32	143

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
135	C	S	1408020-06		2	3,202	19.8	0.00		< HS	accept
Notes											

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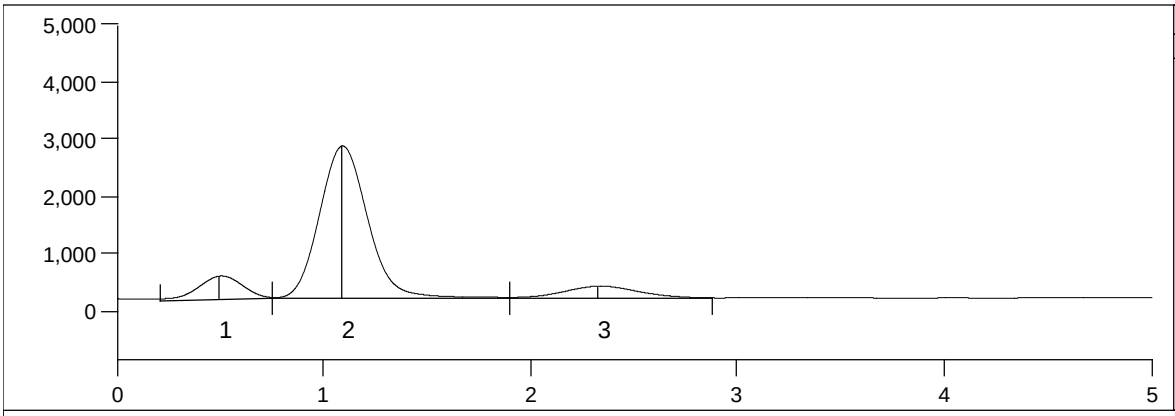
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

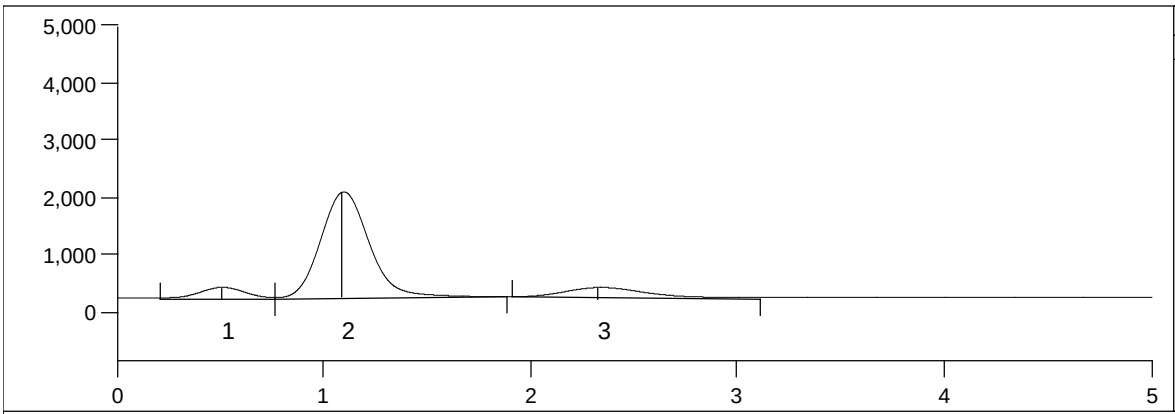
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/12/14
Time: 12:52 AM

Peak	rt	Height
1	0.50	389
2	1.08	2,657
3	2.33	201

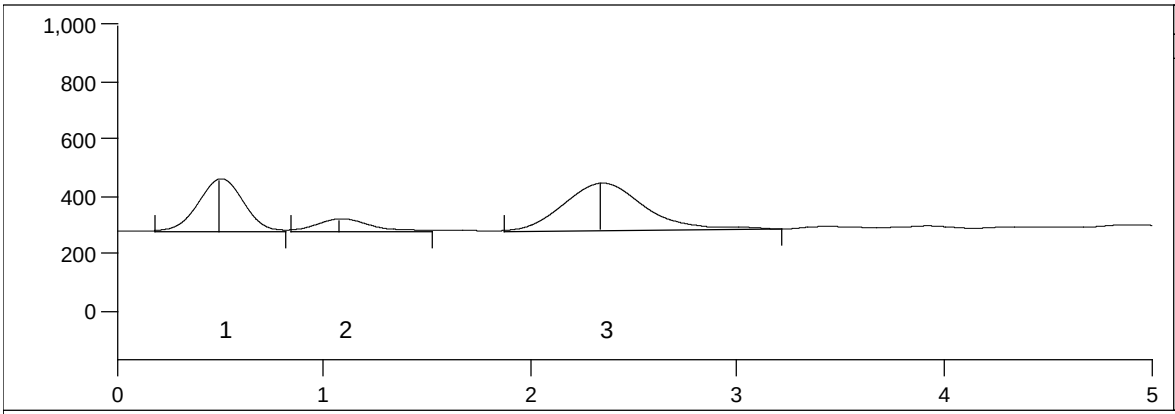
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
136	A	S	1408020-07		2	2,657	16.5	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 12:59 AM

Peak	rt	Height
1	0.50	182
2	1.09	1,850
3	2.32	166

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
137	B	S	1408020-08		2	1,850	11.4	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 1:05 AM

Peak	rt	Height
1	0.50	181
2	1.08	39
3	2.34	165

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
138	C	S	1408020-09		2	39	0.193	0.00		< HS	accept
Notes											

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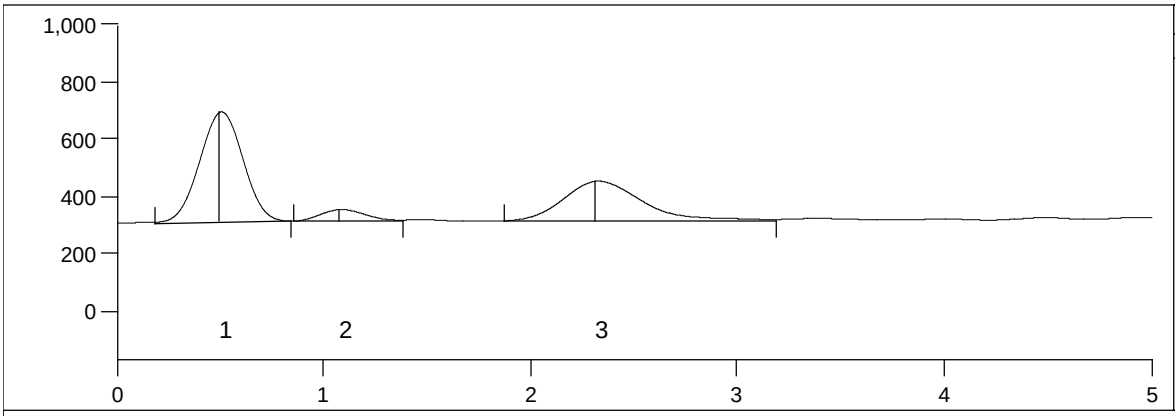
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

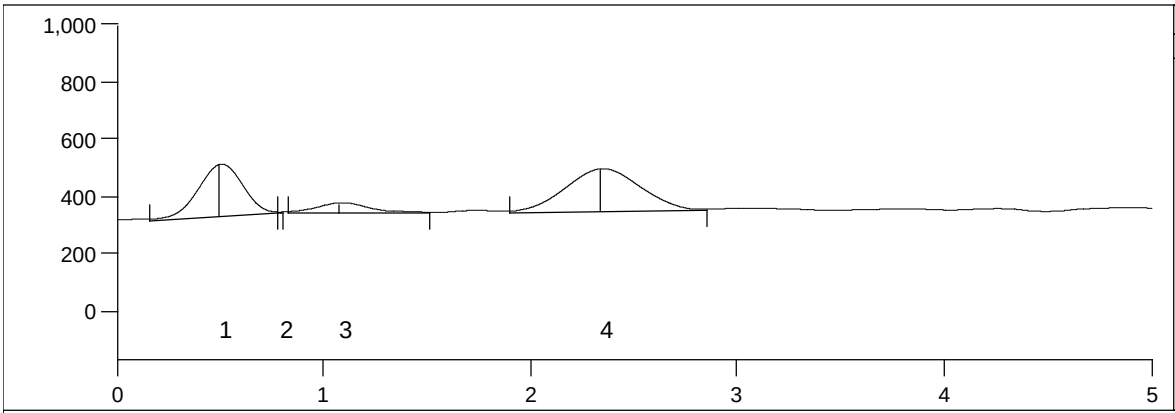
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/12/14
Time: 1:12 AM

Peak	rt	Height
1	0.50	385
2	1.08	39
3	2.32	137

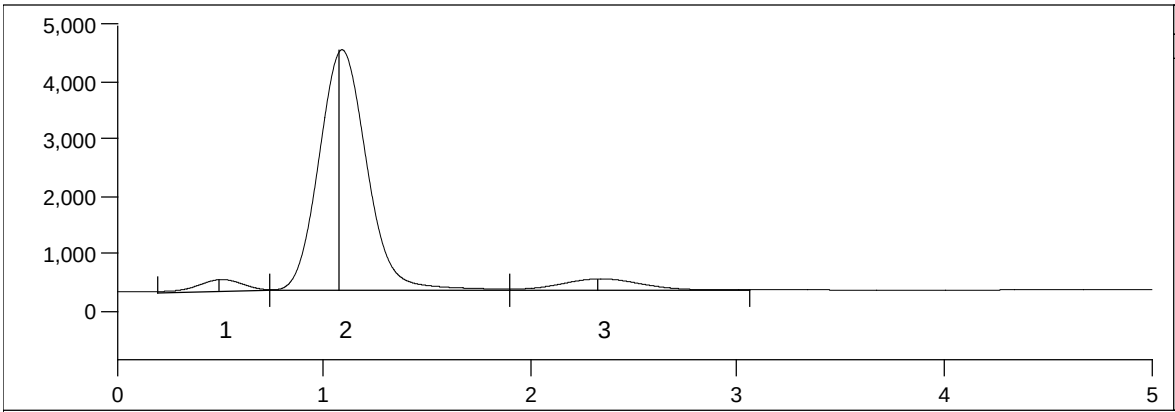
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
139	A	S	1408020-10		2	39	0.193	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 1:19 AM

Peak	rt	Height
1	0.50	179
2	0.80	1
3	1.07	32
4	2.34	146

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
140	B	S	B140300-DUP2		3	32	0.149	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 1:25 AM

Peak	rt	Height
1	0.50	194
2	1.08	4,204
3	2.33	185

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
141	C	CCV	SEQ-CCV		2	4,204	26.1		104	67-133	accept
Notes											

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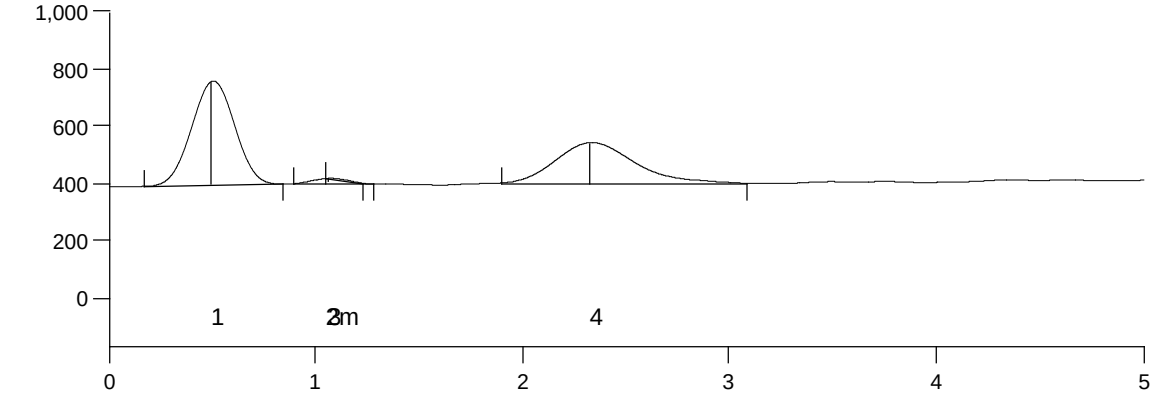
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

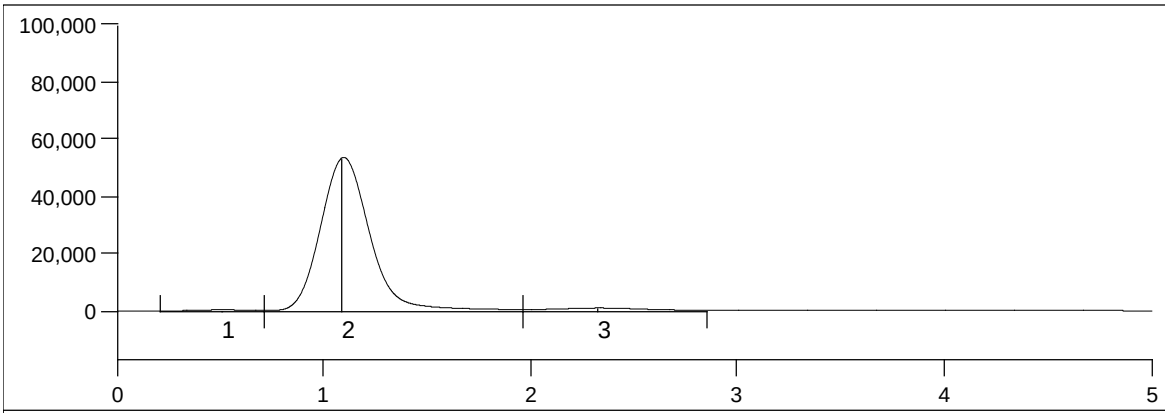
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/12/14
Time: 1:32 AM

Peak	rt	Height
1	0.50	366
2m	1.06	19
3	1.06	2
4	2.32	141

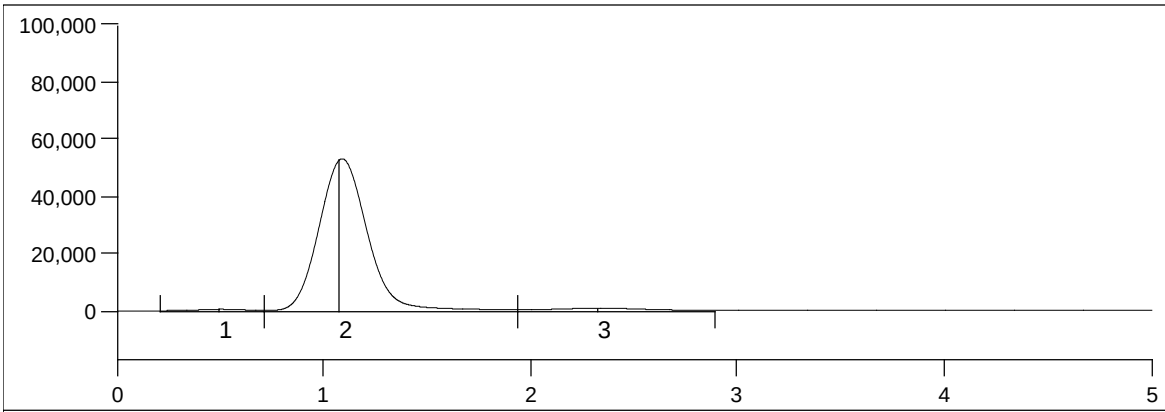
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
142	A	CCB	SEQ-CCB		2m	19	0.118		0.118	< 1.15	accept
Notes											



Date: 3/12/14
Time: 1:39 AM

Peak	rt	Height
1	0.50	280
2	1.09	53,585
3	2.32	662

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
143	B	S	B140300-MS2		2	53,585	333	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 1:45 AM

Peak	rt	Height
1	0.50	437
2	1.08	53,119
3	2.32	652

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
144	C	S	B140300-MSD2		2	53,119	330.	0.00		< HS	accept
Notes											

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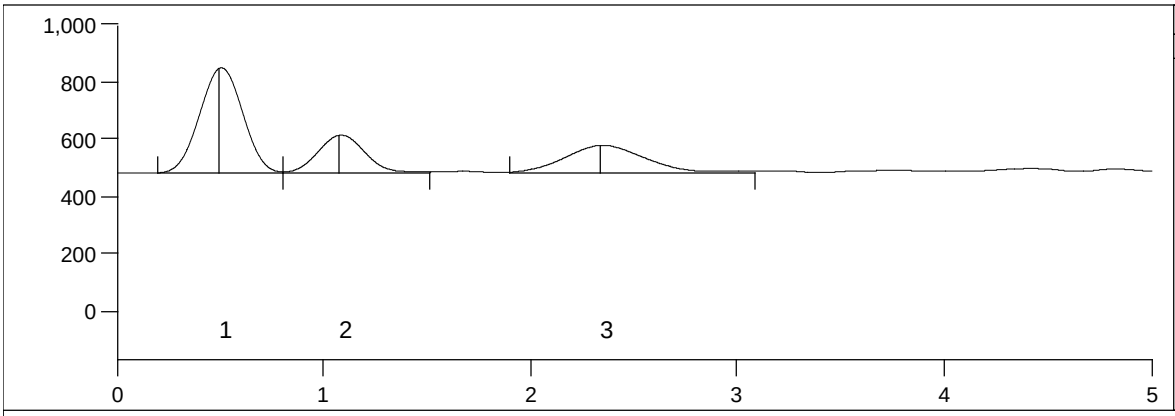
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

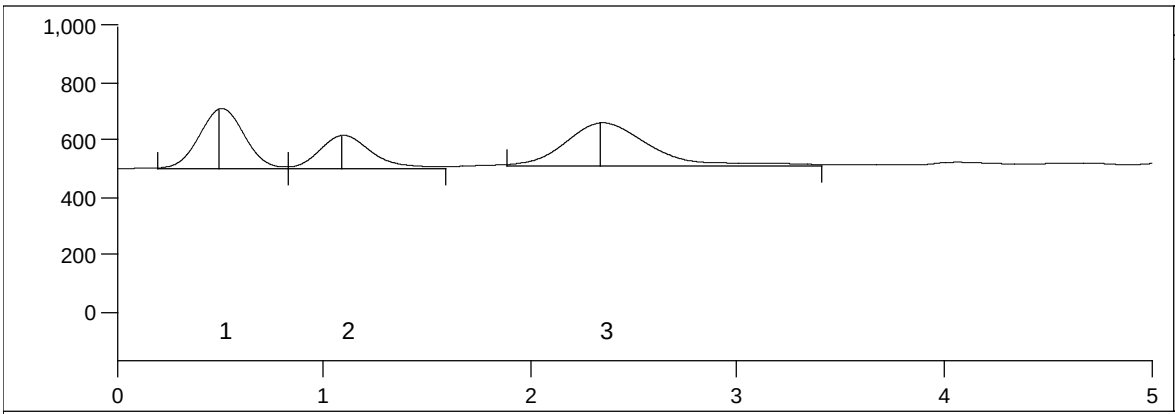
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/12/14
Time: 1:52 AM

Peak	rt	Height
1	0.50	367
2	1.08	129
3	2.34	93

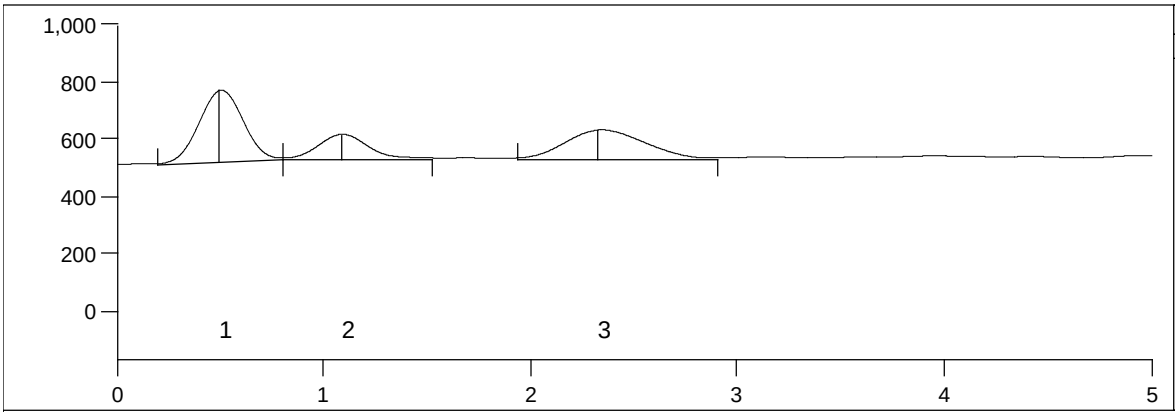
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
145	A	S	1408020-11		2	129	0.751	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 1:59 AM

Peak	rt	Height
1	0.50	207
2	1.09	111
3	2.34	145

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
146	B	S	1408020-12		2	111	0.640	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 2:05 AM

Peak	rt	Height
1	0.50	248
2	1.08	83
3	2.33	98

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
147	C	S	1408020-13		2	83	0.466	0.00		< HS	accept
Notes											

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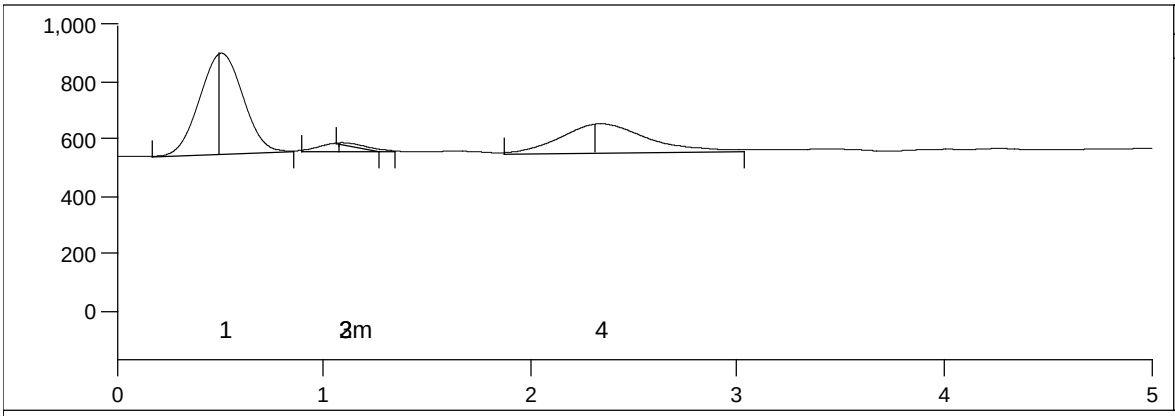
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

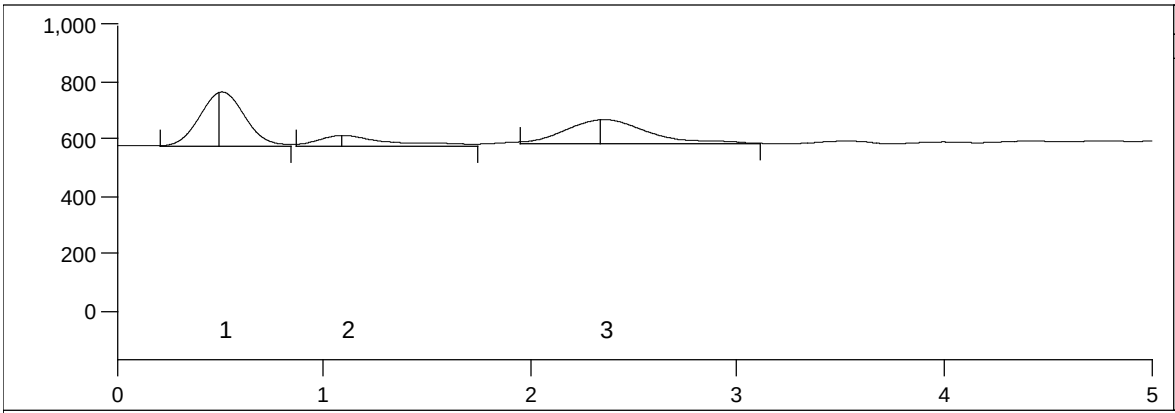
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/12/14
Time: 2:12 AM

Peak	rt	Height
1	0.50	353
2m	1.08	28
3	1.08	2
4	2.32	97

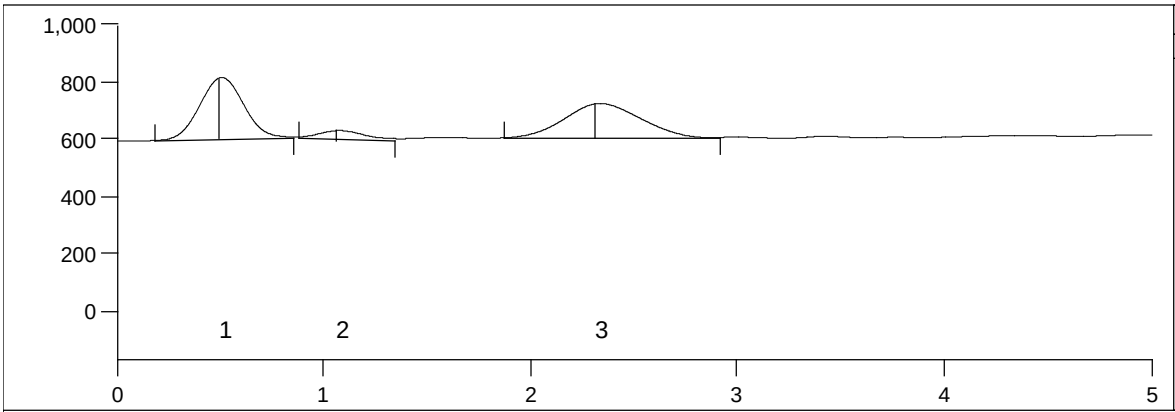
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
148	A	S	1408020-14		2m	28	0.124	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 2:19 AM

Peak	rt	Height
1	0.50	188
2	1.08	31
3	2.34	79

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
149	B	S	1408020-15		2	31	0.143	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 2:25 AM

Peak	rt	Height
1	0.50	216
2	1.06	24
3	2.32	119

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
150	C	S	1408020-16		2	24	0.0994	0.00		< HS	accept
Notes											

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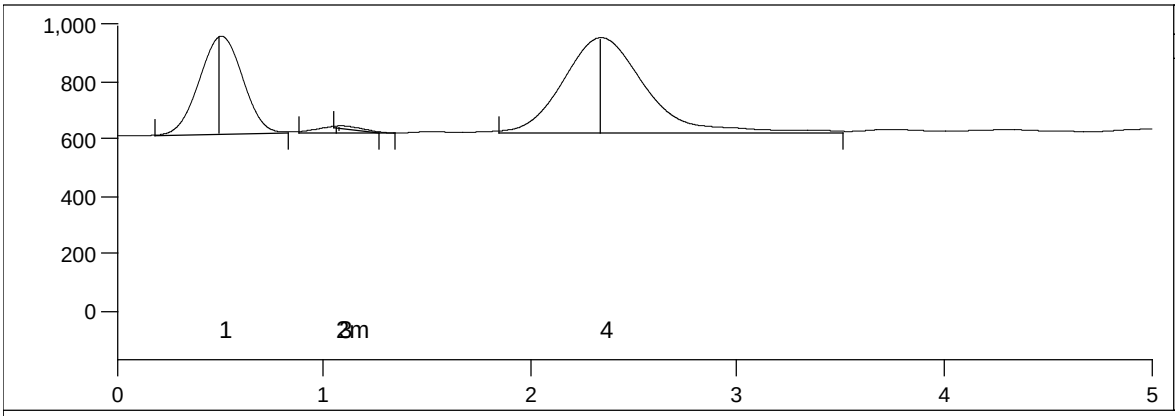
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

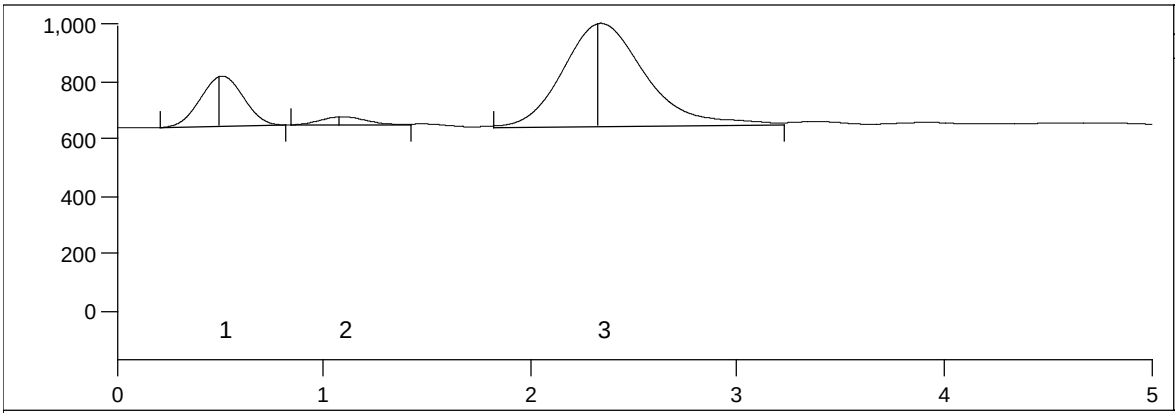
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/12/14
Time: 2:32 AM

Peak	rt	Height
1	0.50	341
2m	1.06	21
3	1.07	2
4	2.33	327

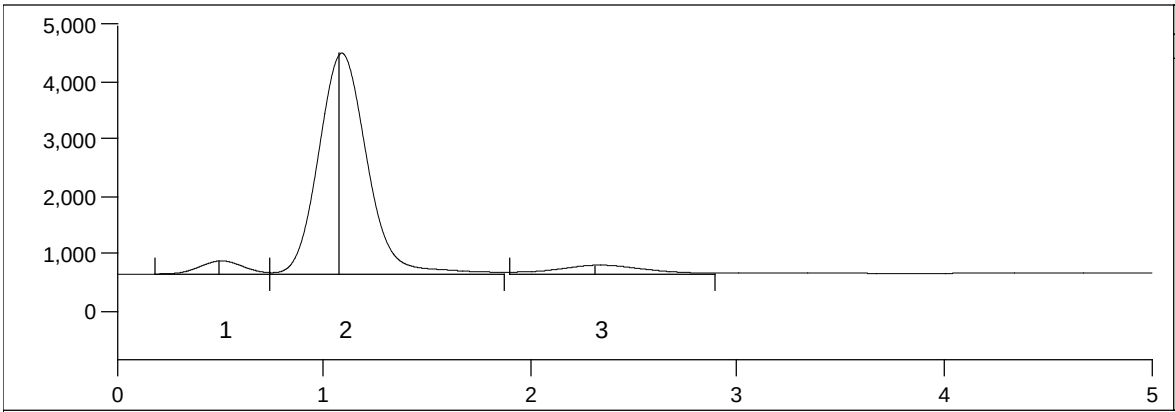
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
151	A	S	1408020-17		2m	21	0.0807	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 2:39 AM

Peak	rt	Height
1	0.50	177
2	1.07	28
3	2.33	357

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
152	B	S	1408020-18		2	28	0.124	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 2:45 AM

Peak	rt	Height
1	0.50	217
2	1.08	3,845
3	2.32	129

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
153	C	CCV	SEQ-CCV		2	3,845	23.8		95.3	67-133	accept
Notes											

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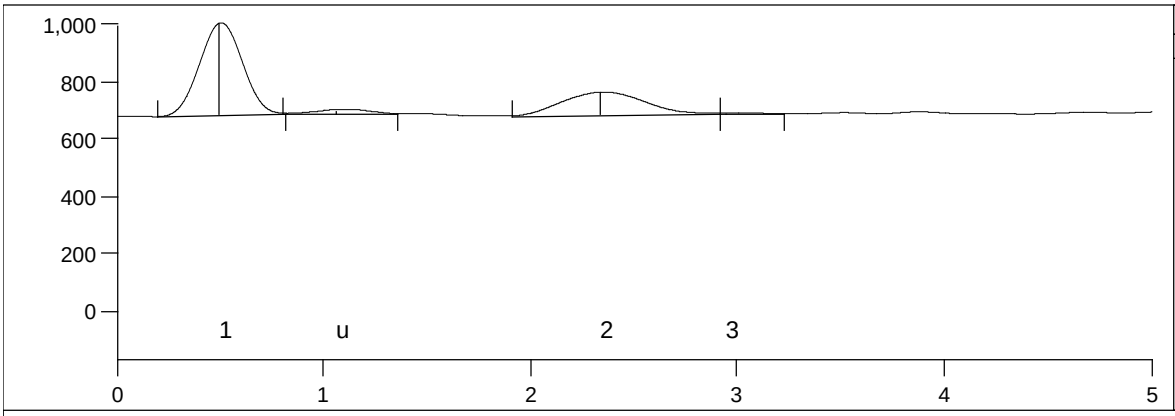
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

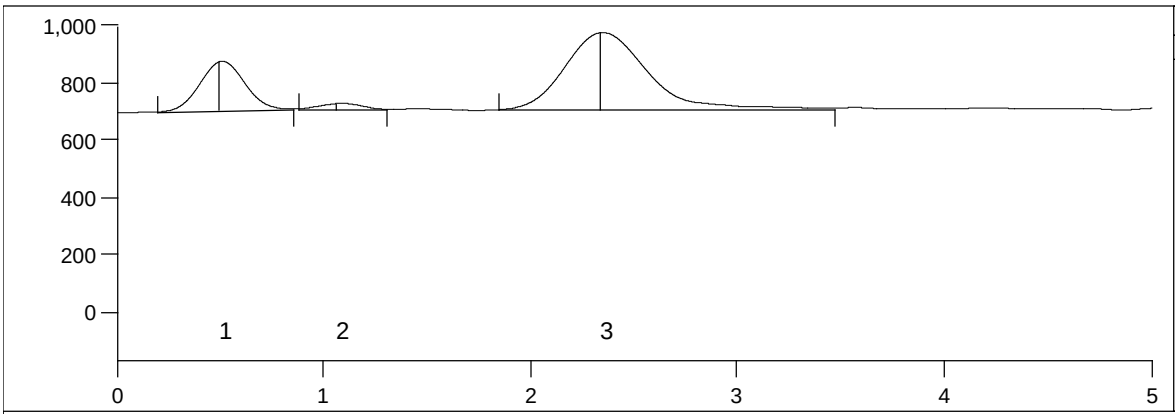
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/12/14
Time: 2:52 AM

Peak	rt	Height
1	0.50	324
2	2.34	80
3	2.94	1
u	1.06	13

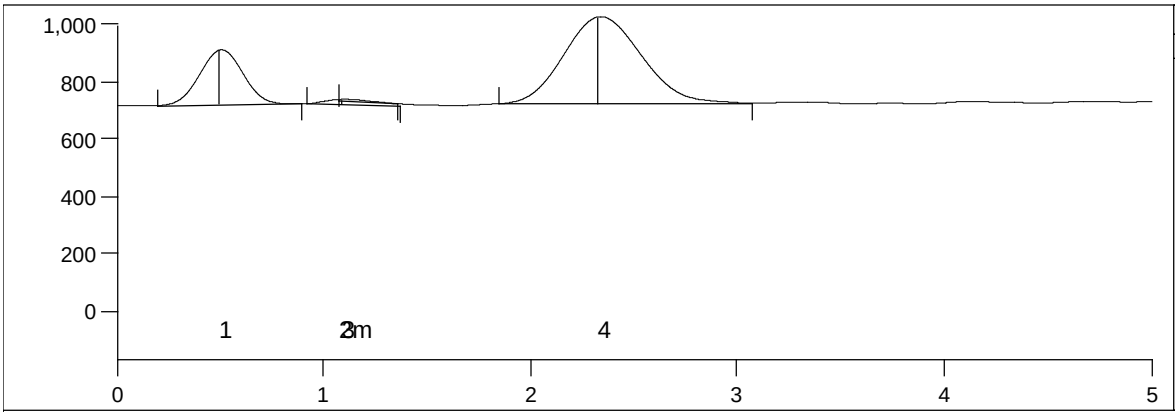
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
154	A	CCB	SEQ-CCB		u	13	0.0807		0.0807	< 1.15	accept
Notes											



Date: 3/12/14
Time: 2:59 AM

Peak	rt	Height
1	0.50	173
2	1.06	19
3	2.34	269

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
155	B	S	1408020-19		2	19	0.0683	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 3:05 AM

Peak	rt	Height
1	0.50	193
2m	1.08	16
3	1.09	1
4	2.33	305

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
156	C	S	1408020-20		2m	16	0.0497	0.00		< HS	accept
Notes											

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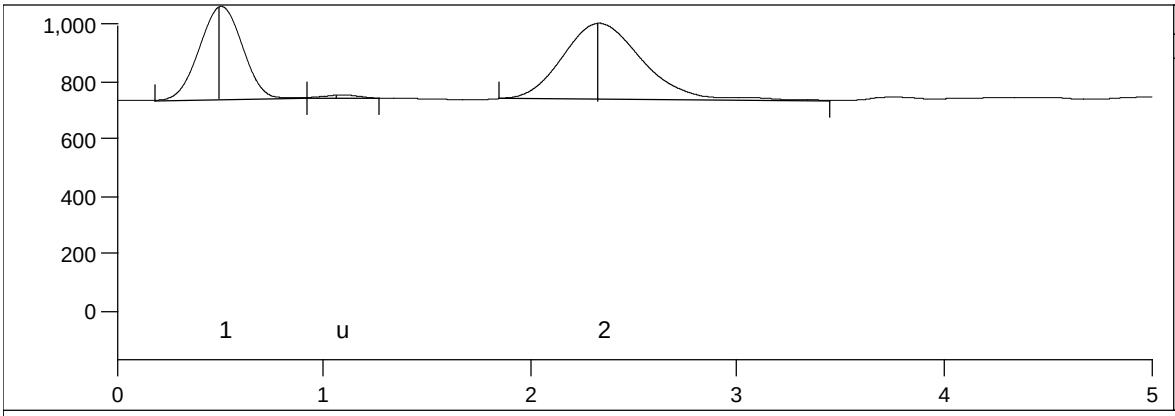
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

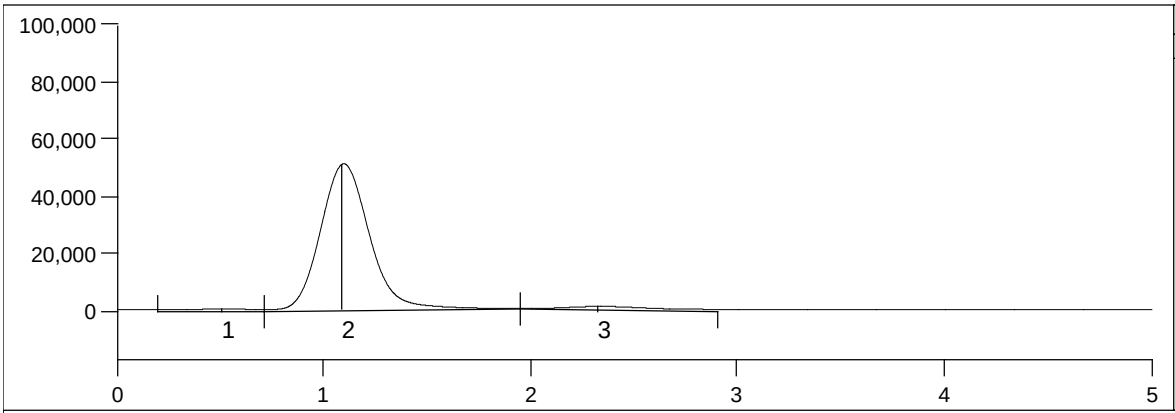
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/12/14
Time: 3:12 AM

Peak	rt	Height
1	0.50	325
2	2.32	266
u	1.06	10

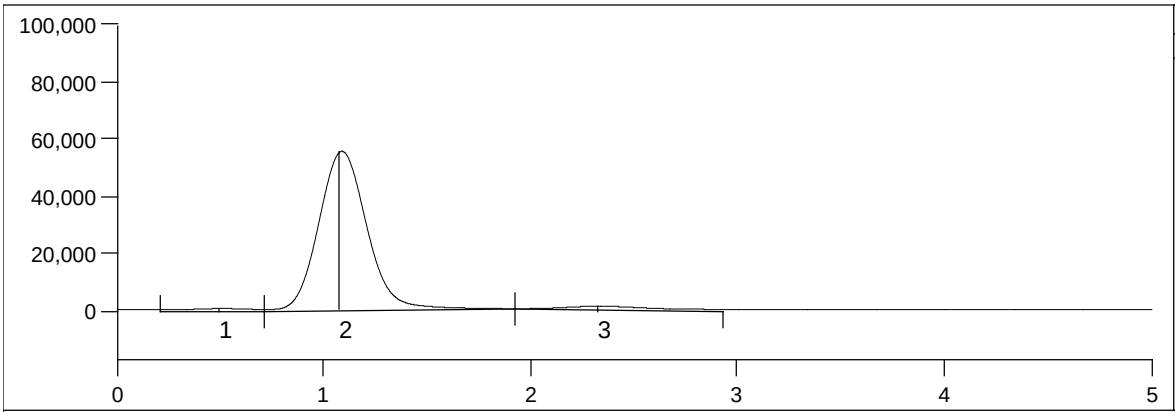
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
157	A	S	B140300-DUP3		u	10	0.0124	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 3:19 AM

Peak	rt	Height
1	0.51	268
2	1.09	51,026
3	2.33	884

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
158	B	S	B140300-MS3		2	51,026	317	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 3:25 AM

Peak	rt	Height
1	0.50	392
2	1.08	55,394
3	2.33	972

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
159	C	S	B140300-MSD3		2	55,394	344	0.00		< HS	accept
Notes											

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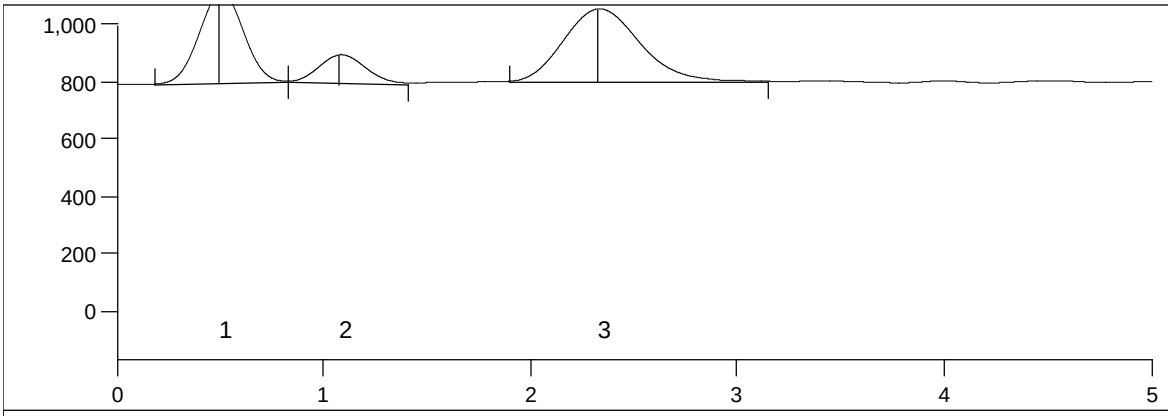
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

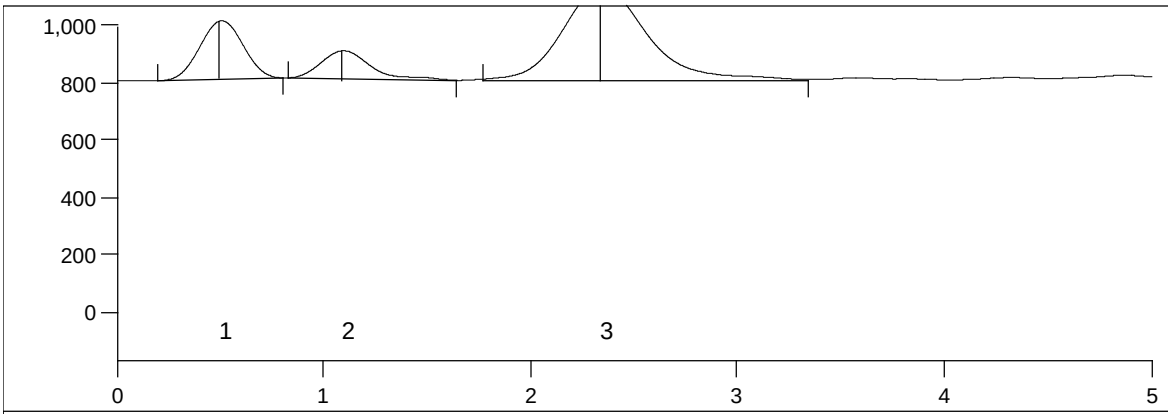
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/12/14
Time: 3:32 AM

Peak	rt	Height
1	0.50	317
2	1.08	96
3	2.32	253

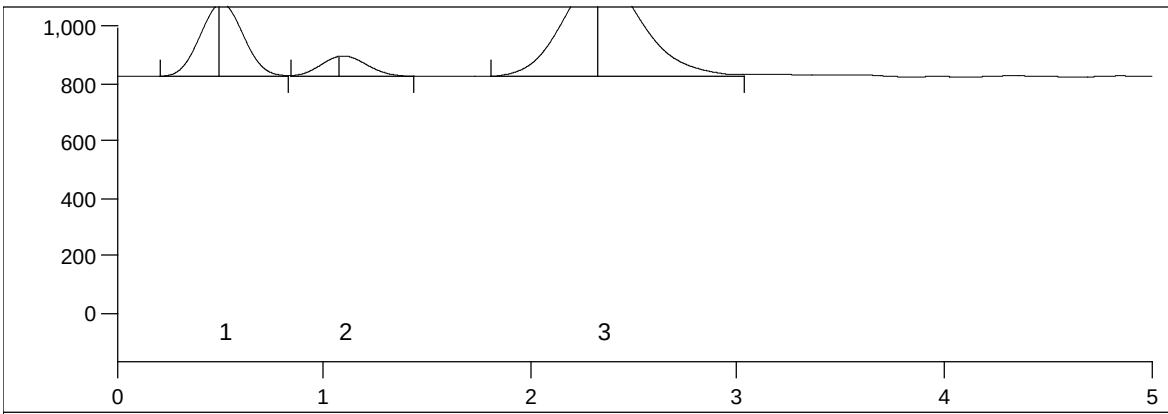
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
160	A	S	1408020-21		2	96	0.546	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 3:39 AM

Peak	rt	Height
1	0.50	206
2	1.09	97
3	2.34	324

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
161	B	S	1408020-22		2	97	0.553	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 3:45 AM

Peak	rt	Height
1	0.50	254
2	1.08	69
3	2.33	350

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
162	C	S	1408020-23		2	69	0.379	0.00		< HS	accept
Notes											

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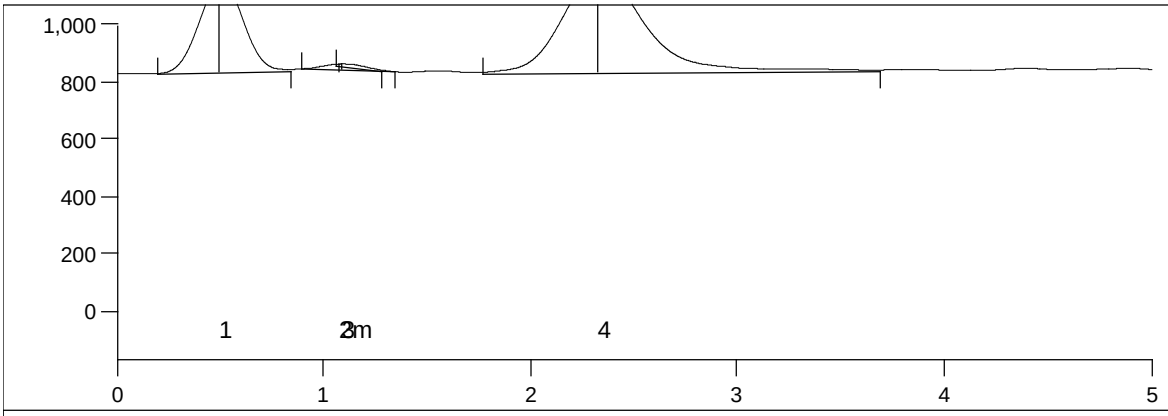
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

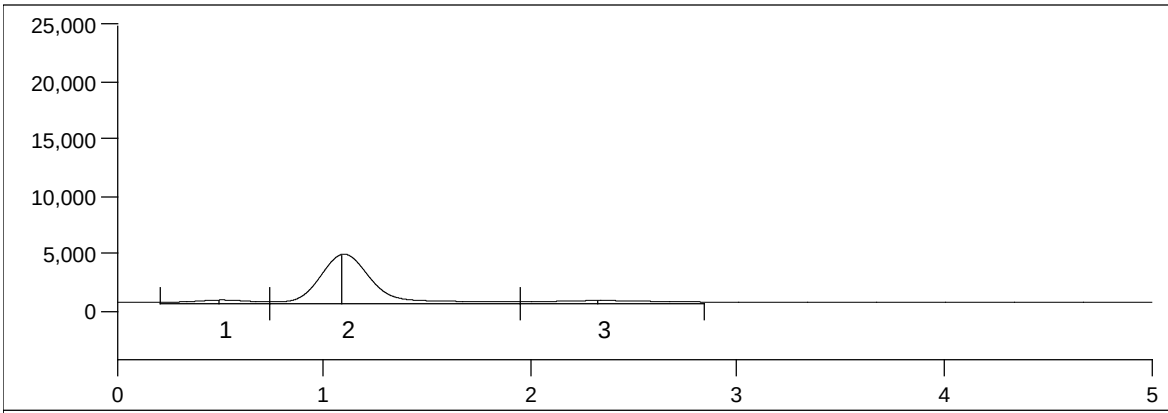
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/12/14
Time: 3:52 AM

Peak	rt	Height
1	0.50	319
2m	1.08	21
3	1.08	2
4	2.33	348

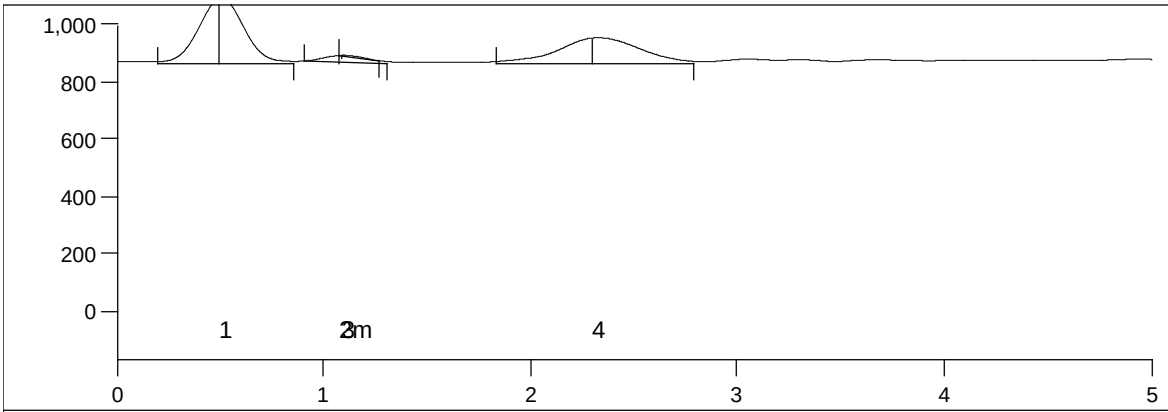
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
163	A	S	1408020-24		2m	21	0.0807	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 3:59 AM

Peak	rt	Height
1	0.50	184
2	1.09	4,187
3	2.32	113

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
164	B	CCV	SEQ-CCV		2	4,187	26.0		104	67-133	accept
Notes											



Date: 3/12/14
Time: 4:05 AM

Peak	rt	Height
1	0.50	223
2m	1.08	21
3	1.09	2
4	2.31	83

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
165	C	CCB	SEQ-CCB		2m	21	0.130		0.130	< 1.15	accept
Notes											

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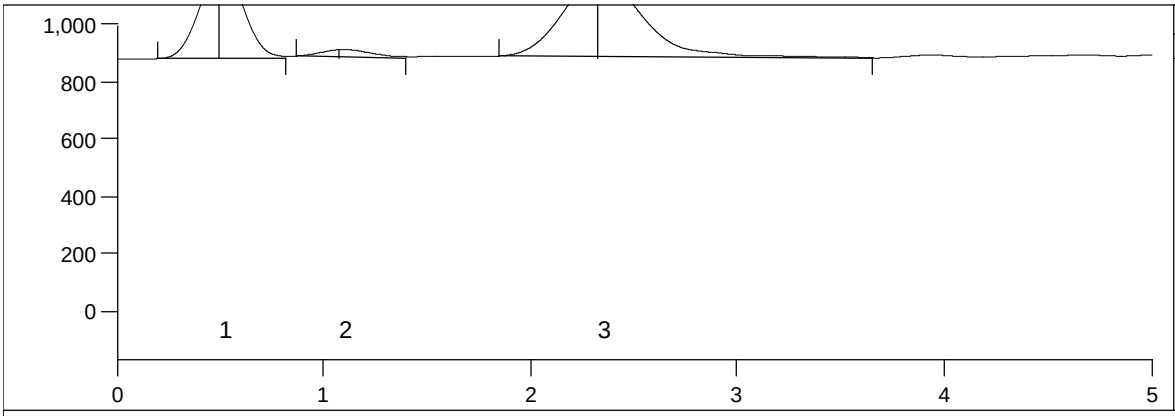
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

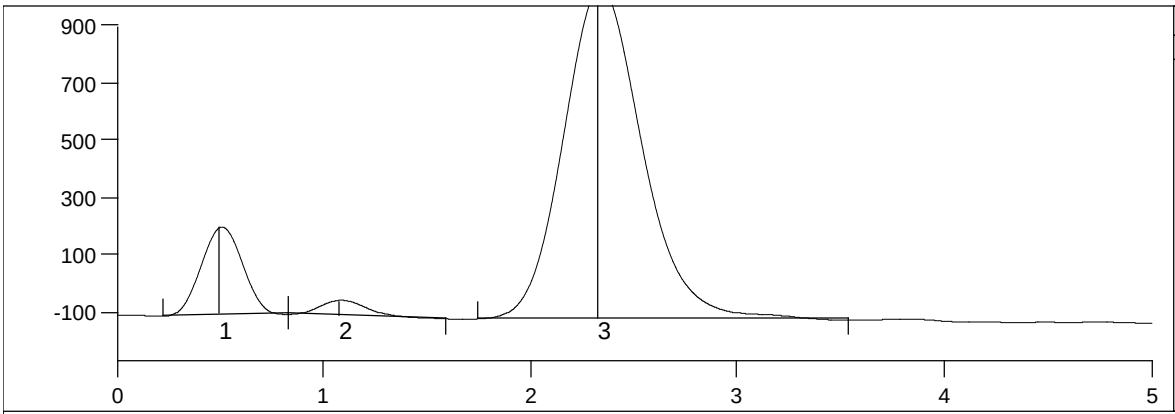
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/12/14
Time: 4:12 AM

Peak	rt	Height
1	0.50	320
2	1.08	23
3	2.33	278

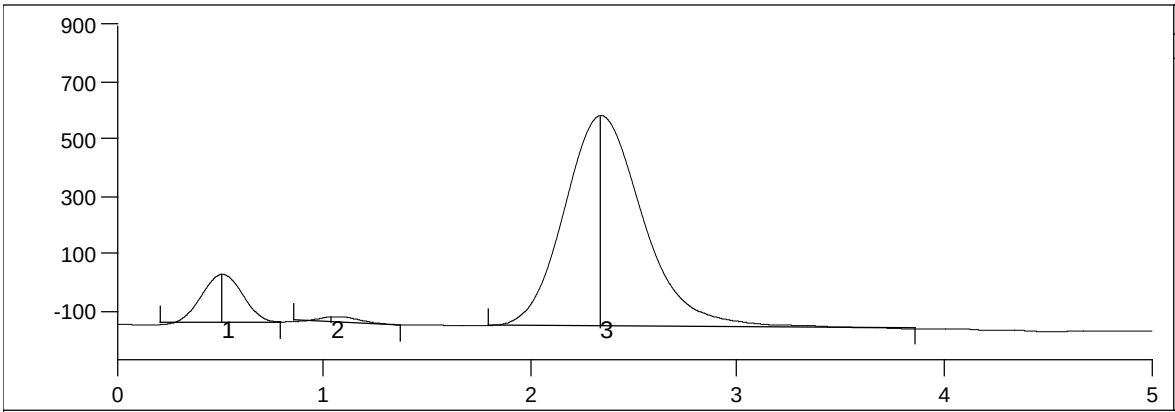
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
166	A	S	WASTE		2	23	0.0932	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 12:20 PM

Peak	rt	Height
1	0.50	313
2	1.08	58
3	2.33	1,165

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
167	A	S	RINSE		2	58	0.311	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 12:27 PM

Peak	rt	Height
1	0.50	175
2	1.04	21
3	2.33	741

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
168	B	S	RINSE		2	21	0.0807	0.00		< HS	accept
Notes											

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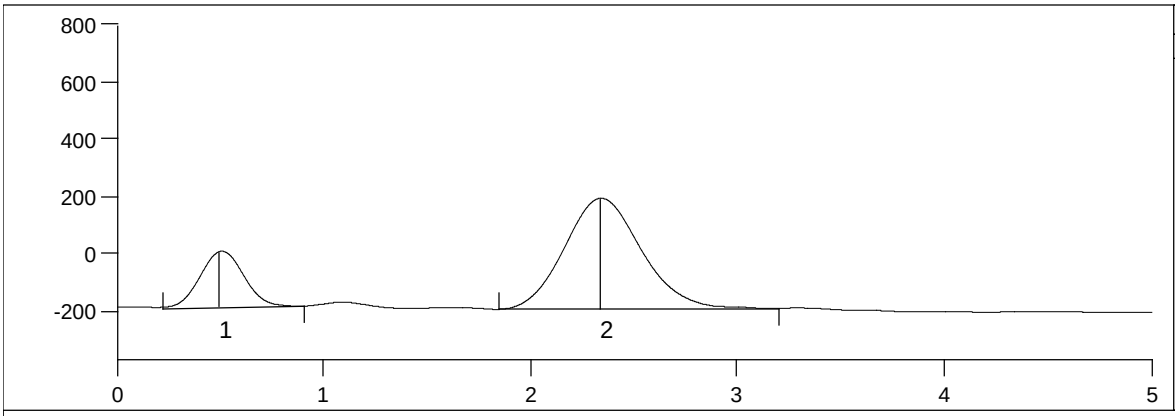
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

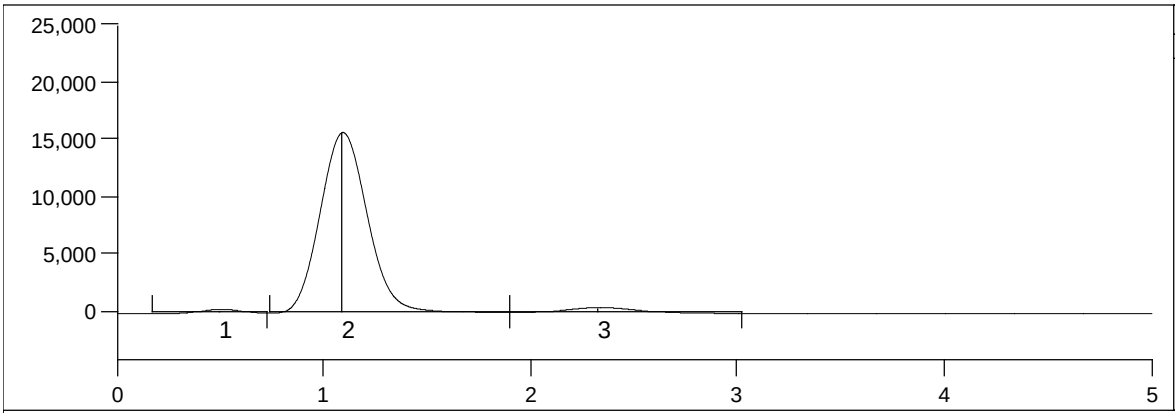
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/12/14
Time: 12:33 PM

Peak	rt	Height
1	0.50	195
2	2.33	388

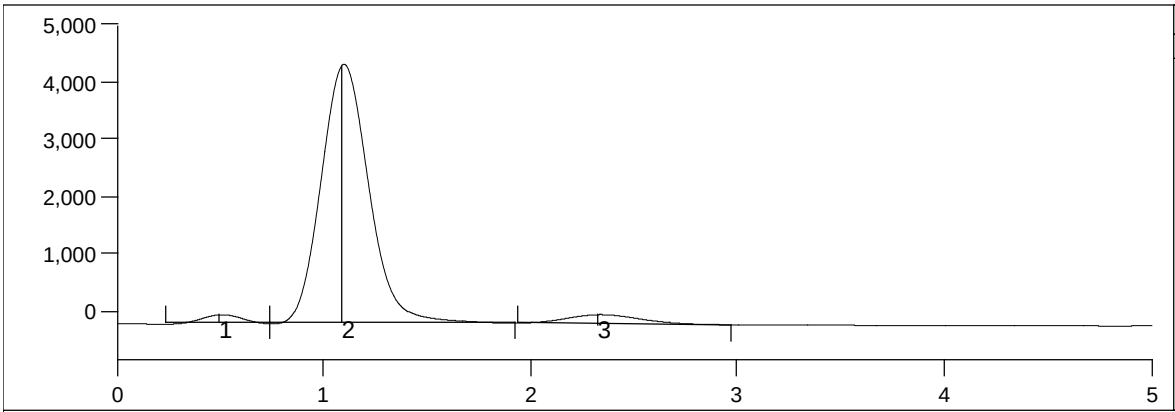
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
169	C	S	RINSE			0	-0.0497	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 12:40 PM

Peak	rt	Height
1	0.50	425
2	1.09	15,874
3	2.33	530

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
170	A	ICV	SEQ-ICV		2	15,874	98.5		98.5	80-120	accept
Notes											



Date: 3/12/14
Time: 12:47 PM

Peak	rt	Height
1	0.50	163
2	1.09	4,558
3	2.33	158

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
171	B	CCV	SEQ-CCV		2	4,558	28.3		113	67-133	accept
Notes											

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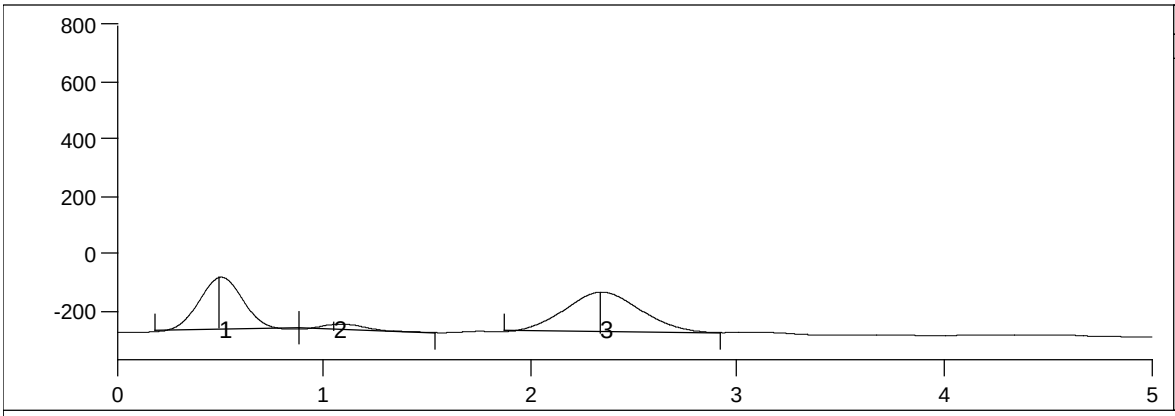
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

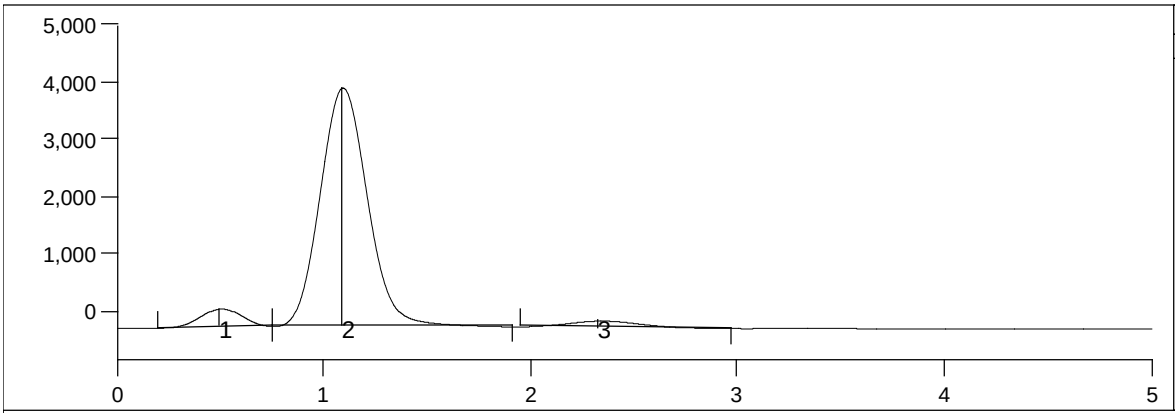
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/12/14
Time: 12:53 PM

Peak	rt	Height
1	0.50	190
2	1.06	21
3	2.34	142

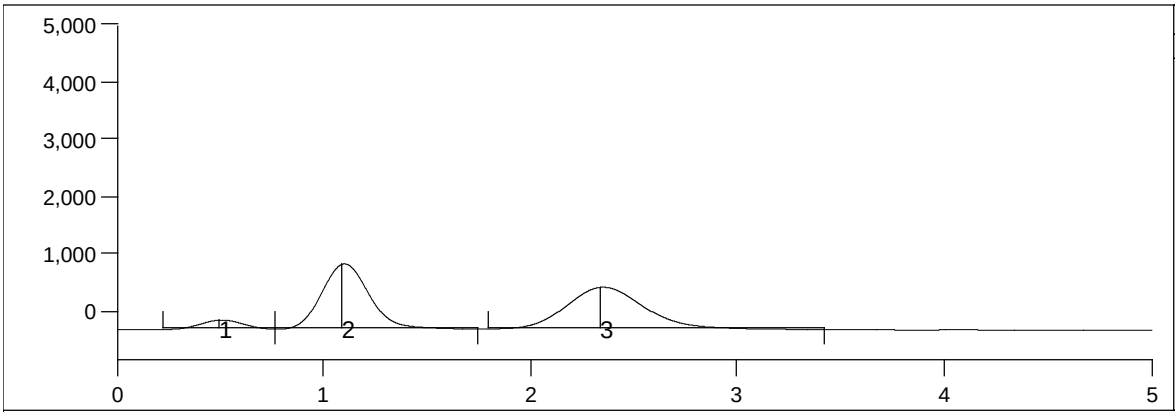
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
172	C	CCB	SEQ-CCB		2	21	0.130		0.130	< 1.15	accept
Notes											



Date: 3/12/14
Time: 1:00 PM

Peak	rt	Height
1	0.50	330
2	1.09	4,195
3	2.33	109

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
173	A	S	B140272-BS2		2	4,195	26.0	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 1:07 PM

Peak	rt	Height
1	0.50	163
2	1.09	1,155
3	2.34	748

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
174	B	S	1406034-01RE1		2	1,155	7.12	0.00		< HS	accept
Notes											

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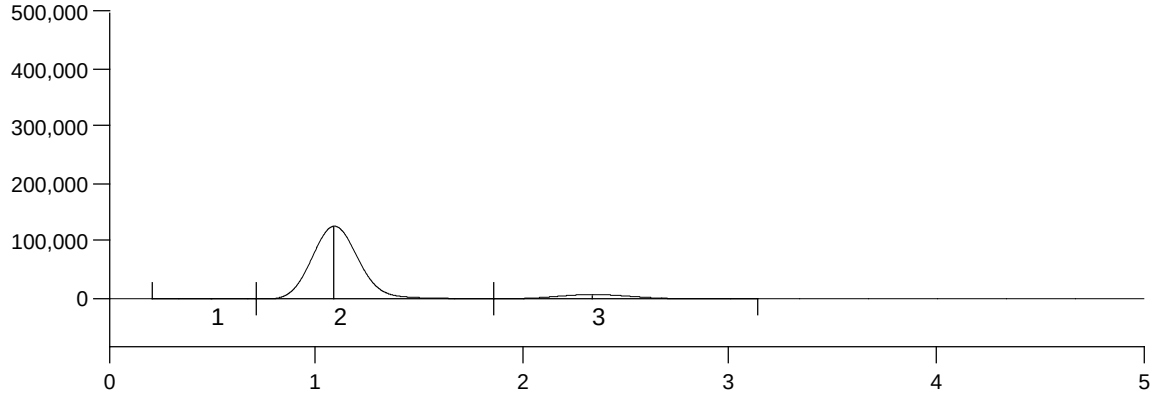
Peak Report

Batch Number: B140336, 367, 345, 272, 300
Method Number: CVAFS BR-0011

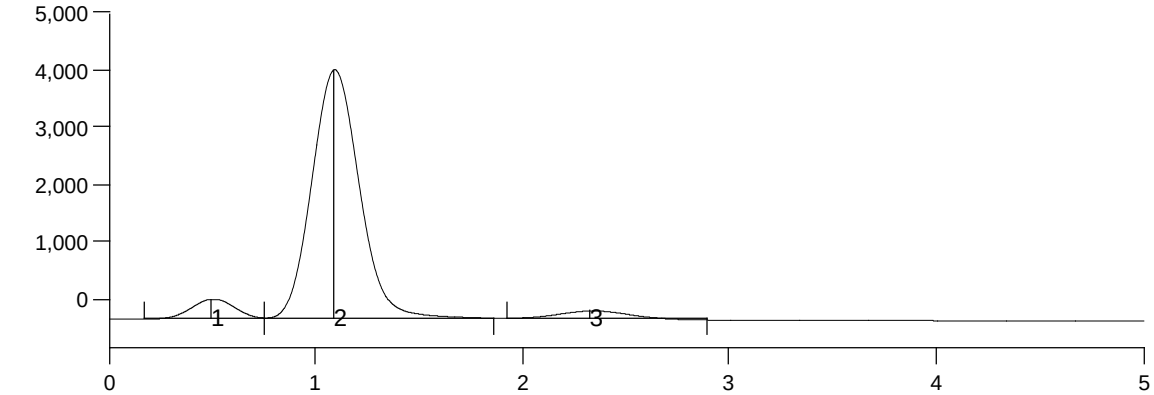
Project Number(s): 1400195 **Date Analyzed:** 3/11/14
Instrument ID: MMHG-09 **Analyst Name:** AAP



Date: 3/12/14
Time: 1:13 PM

Peak	rt	Height
1	0.50	899
2	1.08	127,669
3	2.33	7,609

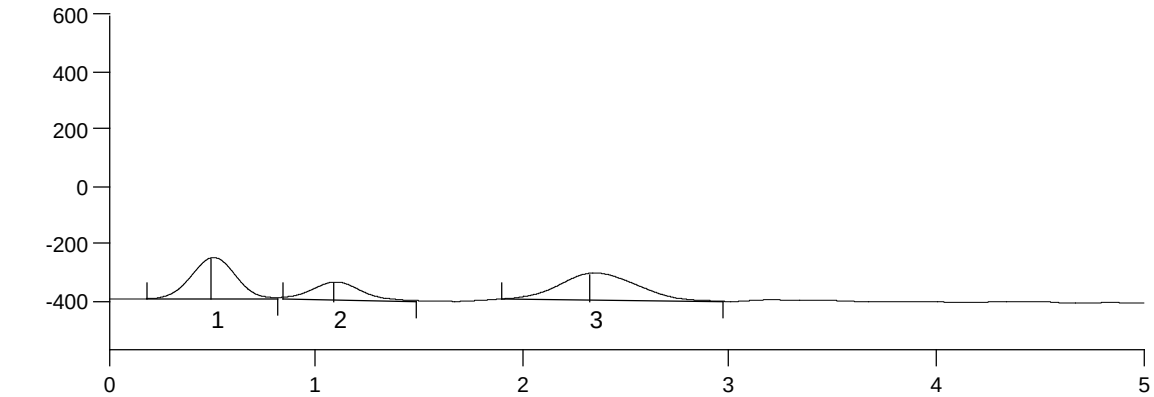
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
175	C	S	1406034-06RE2		2	127,669	793	0.00		< HS	accept
Notes											



Date: 3/12/14
Time: 1:20 PM

Peak	rt	Height
1	0.50	344
2	1.08	4,365
3	2.33	143

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
176	A	CCV	SEQ-CCV		2	4,365	27.1		108	67-133	accept
Notes											



Date: 3/12/14
Time: 1:27 PM

Peak	rt	Height
1	0.50	143
2	1.08	57
3	2.33	94

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
177	B	CCB	SEQ-CCB		2	57	0.354		0.354	< 1.15	accept
Notes											

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ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400200-ICB1	1400200	QC	1		-			
1400200-CAL1	1400200	QC	2	1411038	-			
1400200-CAL2	1400200	QC	3	1411039	-			
1400200-CAL3	1400200	QC	4	1411040	-			
1400200-CAL4	1400200	QC	5	1411041	-			
1400200-CAL5	1400200	QC	6	1411042	-			
1400200-CAL6	1400200	QC	7	1411043	-			
1400200-CAL7	1400200	QC	8	1411044	-			
1400200-CAL8	1400200	QC	9	1411045	-			
1400200-ICB2	1400200	QC	10		-			
1400200-ICV1	1400200	QC	11	1341021	-			
1400200-ICB3	1400200	QC	12		-			
1400200-IBL1	1400200	QC	13		-			
1400200-IBL2	1400200	QC	14		-			
1400200-IBL3	1400200	QC	15		-			
1400200-IBL4	1400200	QC	16		-			
1400200-SCV1	1400200	QC	17	1346032	-			
1400200-SCV2	1400200	QC	18	1333002	-			
1400200-SCV3	1400200	QC	19	1352078	-			
1400200-IFA1	1400200	QC	20	1343002	-			
1400200-IFB1	1400200	QC	21	1343001	-			
1400200-CCV1	1400200	QC	22	1411041	-			
1400200-CCB1	1400200	QC	23		-			
B140364-BLK1	B140364	QC	24		-			
B140364-BLK2	B140364	QC	25		-			
B140364-BLK3	B140364	QC	26		-			

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140364-BLK4	B140364	QC	27		-			
B140364-BS1	B140364	QC	28		-			
B140364-SRM1	B140364	QC	29		-			
1350001-03RE1	B140364	Cr-FW-Oven-ICPMS-TR	30			TIE-AP1201	1/13/2014	From B132202 by FKM on 03/06/14
1350002-03RE1	B140364	Cr-FW-Oven-ICPMS-TR	31			TIE-AP1201	1/13/2014	From B132202 by FKM on 03/06/14
1350008-03RE1	B140364	Cr-FW-Oven-ICPMS-TR	32			TIE-AP1201	1/14/2014	From B132202 by FKM on 03/06/14
1400200-CCV2	1400200	QC	33	1411041	-			
1400200-CCB2	1400200	QC	34		-			
1350001-01RE2	B140364	Cr-FW-Oven-ICPMS-TR	35			TIE-AP1201	1/13/2014	From B132202 by FKM on 03/06/14
B140364-DUP1	B140364	QC	36		1350001-01RE2			
B140364-MS1	B140364	QC	37		1350001-01RE2			
B140364-MSD1	B140364	QC	38		1350001-01RE2			
1350001-02RE2	B140364	Cr-FW-Oven-ICPMS-TR	39			TIE-AP1201	1/13/2014	From B132202 by FKM on 03/06/14
1350002-01RE2	B140364	Cr-FW-Oven-ICPMS-TR	40			TIE-AP1201	1/13/2014	From B132202 by FKM on 03/06/14
B140364-DUP2	B140364	QC	41		1350002-01RE2			
B140364-MS2	B140364	QC	42		1350002-01RE2			
B140364-MSD2	B140364	QC	43		1350002-01RE2			
1400200-CCV3	1400200	QC	44	1411041	-			
1400200-CCB3	1400200	QC	45		-			
1350002-02RE2	B140364	Cr-FW-Oven-ICPMS-TR	46			TIE-AP1201	1/13/2014	From B132202 by FKM on 03/06/14
1350008-01RE2	B140364	Cr-FW-Oven-ICPMS-TR	47			TIE-AP1201	1/14/2014	From B132202 by FKM on 03/06/14
B140364-DUP3	B140364	QC	48		1350008-01RE2			
B140364-MS3	B140364	QC	49		1350008-01RE2			
B140364-MSD3	B140364	QC	50		1350008-01RE2			
1350008-02RE2	B140364	Cr-FW-Oven-ICPMS-TR	51			TIE-AP1201	1/14/2014	From B132202 by FKM on 03/06/14
1400200-CCV4	1400200	QC	52	1411041	-			

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400200-CCB4	1400200	QC	53		-			
1407006-09RE2	B140329	Zn-FW-Oven-ICPMS-TR	54			TSF-NC1401	3/5/2014	Added 3/10/2014 by FKM
1407006-10RE2	B140329	Zn-FW-Oven-ICPMS-Diss	55			TSF-NC1401	3/5/2014	Added 3/10/2014 by FKM
1407006-13RE2	B140329	Zn-FW-Oven-ICPMS-TR	56			TSF-NC1401	3/5/2014	Added 3/10/2014 by FKM
1407006-14RE2	B140329	Zn-FW-Oven-ICPMS-Diss	57			TSF-NC1401	3/5/2014	Added 3/10/2014 by FKM
1400200-CCV5	1400200	QC	58	1411041	-			
1400200-CCB5	1400200	QC	59		-			
B140356-BLK1	B140356	QC	60		-			
B140356-BLK2	B140356	QC	61		-			
B140356-BLK3	B140356	QC	62		-			
B140356-BLK4	B140356	QC	63		-			
B140356-BS1	B140356	QC	64		-			
B140356-SRM1	B140356	QC	65		-			
B140356-SRM2	B140356	QC	66		-			
1407040-02RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	67			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-02RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	68			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-02RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	69			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-02RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	70			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-02RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	71			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-02RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	72			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-03RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	73			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-03RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	74			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-03RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	75			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-03RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	76			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-03RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	77			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-03RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	78			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408003-02RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	79			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-02RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	80			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-02RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	81			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-02RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-	82			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-02RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	83			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-02RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	84			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-03RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	85			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-03RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	86			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-03RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	87			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-03RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	88			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-03RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	89			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-03RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	90			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1400200-CCV6	1400200	QC	91	1411041	-			
1400200-CCB6	1400200	QC	92		-			
1407040-01RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	93			EAS-SP1304	1/1/1980	BatchQC
1407040-01RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	94			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-01RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	95			EAS-SP1304	1/1/1980	BatchQC
1407040-01RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	96			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-01RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	97			EAS-SP1304	1/1/1980	BatchQC
1407040-01RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	98			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-01RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	99			EAS-SP1304	1/1/1980	BatchQC
1407040-01RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-	100			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-01RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	101			EAS-SP1304	1/1/1980	BatchQC
1407040-01RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	102			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-01RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	103			EAS-SP1304	1/1/1980	BatchQC
1407040-01RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	104			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140356-DUP1	B140356	QC	105		1407040-01RE1			
B140356-DUP2	B140356	QC	106		1407040-01RE1			
B140356-MS1	B140356	QC	107		1407040-01RE1			
B140356-MSD1	B140356	QC	108		1407040-01RE1			
1407040-04RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	109			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-04RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	110			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-04RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	111			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-04RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	112			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-04RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	113			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-04RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	114			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-05RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	115			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-05RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	116			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-05RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	117			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-05RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	118			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-05RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	119			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-05RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	120			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-06RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	121			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-06RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	122			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-06RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	123			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-06RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	124			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-06RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	125			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-06RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	126			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-07RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	127			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-07RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	128			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-07RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	129			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-07RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	130			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1407040-07RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	131			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-07RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	132			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-08RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	133			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-08RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	134			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-08RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	135			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-08RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	136			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-08RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	137			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-08RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	138			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1400200-CCV7	1400200	QC	139	1411041	-			
1400200-CCB7	1400200	QC	140		-			
1407040-09RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-	141			EAS-SP1304	1/1/1980	BatchQC
1407040-09RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	142			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-09RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-	143			EAS-SP1304	1/1/1980	BatchQC
1407040-09RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	144			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-09RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-	145			EAS-SP1304	1/1/1980	BatchQC
1407040-09RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	146			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-09RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-	147			EAS-SP1304	1/1/1980	BatchQC
1407040-09RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	148			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-09RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-	149			EAS-SP1304	1/1/1980	BatchQC
1407040-09RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	150			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-09RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-	151			EAS-SP1304	1/1/1980	BatchQC
1407040-09RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	152			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
B140356-DUP3	B140356	QC	153		1407040-09RE1			
B140356-DUP4	B140356	QC	154		1407040-09RE1			
B140356-MS2	B140356	QC	155		1407040-09RE1			
B140356-MSD2	B140356	QC	156		1407040-09RE1			

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1407040-10RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	157			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-10RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	158			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-10RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	159			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-10RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	160			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-10RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	161			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-10RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	162			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-11RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	163			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-11RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	164			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-11RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	165			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-11RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	166			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-11RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	167			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-11RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	168			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-12RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	169			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-12RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	170			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-12RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	171			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-12RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	172			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-12RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	173			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-12RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	174			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-13RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	175			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-13RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	176			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-13RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	177			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-13RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	178			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-13RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	179			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-13RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	180			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-14RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	181			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-14RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	182			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1407040-14RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	183			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-14RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	184			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-14RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	185			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-14RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	186			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1400200-CCV8	1400200	QC	187	1411041	-			
1400200-CCB8	1400200	QC	188		-			
1407040-15RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	189			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-15RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	190			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-15RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	191			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-15RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	192			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-15RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	193			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-15RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	194			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-16RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	195			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-16RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	196			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-16RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	197			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-16RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	198			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-16RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	199			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-16RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	200			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-17RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	201			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-17RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	202			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-17RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	203			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-17RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	204			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-17RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	205			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-17RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	206			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-18RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	207			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-18RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	208			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1407040-18RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	209			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-18RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	210			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-18RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	211			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1407040-18RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	212			EAS-SP1304	3/10/2014	From B140278 by A_R on 03/05/14
1408003-01RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	213			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-01RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	214			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-01RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	215			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-01RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	216			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-01RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	217			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-01RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	218			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-04RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	219			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-04RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	220			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-04RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	221			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-04RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	222			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-04RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	223			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-04RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	224			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-05RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	225			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-05RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	226			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-05RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	227			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-05RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	228			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-05RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	229			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-05RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	230			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-06RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	231			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-06RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	232			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-06RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	233			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-06RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	234			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408003-06RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	235			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-06RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	236			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1400200-CCV9	1400200	QC	237	1411041	-			
1400200-CCB9	1400200	QC	238		-			
1408003-07RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	239			EAS-SP1304	1/1/1980	BatchQC
1408003-07RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	240			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-07RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	241			EAS-SP1304	1/1/1980	BatchQC
1408003-07RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	242			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-07RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	243			EAS-SP1304	1/1/1980	BatchQC
1408003-07RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	244			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-07RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	245			EAS-SP1304	1/1/1980	BatchQC
1408003-07RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-	246			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-07RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	247			EAS-SP1304	1/1/1980	BatchQC
1408003-07RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	248			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-07RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	249			EAS-SP1304	1/1/1980	BatchQC
1408003-07RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	250			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
B140356-DUP5	B140356	QC	251		1408003-07RE1			
B140356-DUP6	B140356	QC	252		1408003-07RE1			
B140356-MS3	B140356	QC	253		1408003-07RE1			
B140356-MSD3	B140356	QC	254		1408003-07RE1			
1408003-08RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	255			EAS-SP1304	1/1/1980	BatchQC
1408003-08RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	256			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-08RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	257			EAS-SP1304	1/1/1980	BatchQC
1408003-08RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	258			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-08RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	259			EAS-SP1304	1/1/1980	BatchQC
1408003-08RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	260			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408003-08RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	261			EAS-SP1304	1/1/1980	BatchQC
1408003-08RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-	262			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-08RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	263			EAS-SP1304	1/1/1980	BatchQC
1408003-08RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	264			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-08RE1	B140356	-FW-Oven-ICPMS-NoMB-DoD-	265			EAS-SP1304	1/1/1980	BatchQC
1408003-08RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	266			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
B140356-DUP7	B140356	QC	267		1408003-08RE1			
B140356-DUP8	B140356	QC	268		1408003-08RE1			
B140356-MS4	B140356	QC	269		1408003-08RE1			
B140356-MSD4	B140356	QC	270		1408003-08RE1			
1400200-CCVA	1400200	QC	271	1411041	-			
1400200-CCBA	1400200	QC	272		-			
1408003-09RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	273			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-09RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	274			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-09RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	275			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-09RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-	276			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-09RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	277			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-09RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	278			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-10RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	279			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-10RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	280			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-10RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	281			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-10RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-	282			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-10RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	283			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-10RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	284			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-11RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	285			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-11RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	286			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408003-11RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	287			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-11RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	288			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-11RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	289			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-11RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	290			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-12RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	291			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-12RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	292			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-12RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	293			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-12RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	294			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-12RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	295			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-12RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	296			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-13RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	297			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-13RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	298			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-13RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	299			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-13RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	300			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-13RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	301			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-13RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	302			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-14RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	303			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-14RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	304			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-14RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	305			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-14RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	306			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-14RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	307			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-14RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	308			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-15RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	309			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-15RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	310			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-15RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	311			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-15RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	312			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408003-15RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	313			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-15RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	314			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-16RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	315			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-16RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	316			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-16RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	317			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-16RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	318			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-16RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	319			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-16RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	320			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-17RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	321			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-17RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	322			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-17RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	323			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-17RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	324			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-17RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	325			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-17RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	326			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-18RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	327			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-18RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	328			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-18RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	329			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-18RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	330			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-18RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	331			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1408003-18RE1	B140356	FW-Oven-ICPMS-NoMB-DoD-I	332			EAS-SP1304	3/12/2014	From B140278 by A_R on 03/05/14
1400200-CCVB	1400200	QC	333	1411041	-			
1400200-CCBB	1400200	QC	334		-			
B140297-BLK1	B140297	QC	335		-			
B140297-BLK2	B140297	QC	336		-			
B140297-BLK3	B140297	QC	337		-			
B140297-BLK4	B140297	QC	338		-			

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140297-BS1	B140297	QC	339		-			
B140297-SRM1	B140297	QC	340		-			
1331056-14	B140297	Se-SW-RP-ICPMS-TR	341			RP SW-LFB	8/23/2013	
1331056-14	B140297	Se-SW-RP-ICPMS-Diss	342			RP SW-LFB	8/23/2013	
1331056-14	B140297	Cu-SW-RP-ICPMS-TR	343			RP SW-LFB	8/23/2013	
1331056-14	B140297	Cu-SW-RP-ICPMS-Diss	344			RP SW-LFB	8/23/2013	
1331056-14	B140297	As-SW-RP-ICPMS-TR	345			RP SW-LFB	8/23/2013	
1331056-14	B140297	As-SW-RP-ICPMS-Diss	346			RP SW-LFB	8/23/2013	
B140297-MS2	B140297	QC	347		1331056-14			
1331059-01RE1	B140297	Se-SW-RP-ICPMS-TR	348			SFE-OA1301	1/1/1980	BatchQC
1331059-01RE1	B140297	Se-SW-RP-ICPMS-Diss	349			SFE-OA1301	9/16/2013	Historic result 0.164 ug/L
1331059-01RE1	B140297	Cu-SW-RP-ICPMS-TR	350			SFE-OA1301	1/1/1980	BatchQC
1331059-01RE1	B140297	Cu-SW-RP-ICPMS-Diss	351			SFE-OA1301	9/16/2013	Historic result 4.11 ug/L
1331059-01RE1	B140297	As-SW-RP-ICPMS-TR	352			SFE-OA1301	1/1/1980	BatchQC
1331059-01RE1	B140297	As-SW-RP-ICPMS-Diss	353			SFE-OA1301	9/16/2013	Historic result 2.87 ug/L
1400200-CCVC	1400200	QC	354	1411041	-			
1400200-CCBC	1400200	QC	355		-			
B140297-DUP1	B140297	QC	356		1331059-01RE1			
B140297-DUP2	B140297	QC	357		1331059-01RE1			
1331059-02RE1	B140297	Se-SW-RP-ICPMS-TR	358			SFE-OA1301	9/16/2013	Historic result 3.42 ug/L
1331059-02RE1	B140297	Se-SW-RP-ICPMS-Diss	359			SFE-OA1301	1/1/1980	BatchQC
1331059-02RE1	B140297	Cu-SW-RP-ICPMS-TR	360			SFE-OA1301	9/16/2013	Historic result 4.60 ug/L
1331059-02RE1	B140297	Cu-SW-RP-ICPMS-Diss	361			SFE-OA1301	1/1/1980	BatchQC
1331059-02RE1	B140297	As-SW-RP-ICPMS-TR	362			SFE-OA1301	9/16/2013	Historic result 2.87 ug/L
1331059-02RE1	B140297	As-SW-RP-ICPMS-Diss	363			SFE-OA1301	1/1/1980	BatchQC
B140297-DUP3	B140297	QC	364		1331059-02RE1			

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140297-DUP4	B140297	QC	365		1331059-02RE1			
1333012-60RE3	B140297	Se-SW-RP-ICPMS-Diss	366			SFE-OA1301	9/19/2013	Historic result 0.070 ug/L (ND)
1333012-61RE1	B140297	Se-SW-RP-ICPMS-TR	367			SFE-OA1301	9/19/2013	Historic result 0.070 ug/L
1333012-61RE1	B140297	Se-SW-RP-ICPMS-Diss	368			SFE-OA1301	1/1/1980	BatchQC
1333012-61RE1	B140297	Cu-SW-RP-ICPMS-TR	369			SFE-OA1301	1/1/1980	BatchQC
1333012-61RE1	B140297	Cu-SW-RP-ICPMS-Diss	370			SFE-OA1301	1/1/1980	BatchQC
1333012-61RE1	B140297	As-SW-RP-ICPMS-TR	371			SFE-OA1301	1/1/1980	BatchQC
1333012-61RE1	B140297	As-SW-RP-ICPMS-Diss	372			SFE-OA1301	1/1/1980	BatchQC
B140297-DUP5	B140297	QC	373		1333012-61RE1			
B140297-MS1	B140297	QC	374		1333012-61RE1			
B140297-MSD1	B140297	QC	375		1333012-61RE1			
1400200-CCVD	1400200	QC	376	1411041	-			
1400200-CCBD	1400200	QC	377		-			
1400200-CCVE	1400200	QC	378	1411041	-			
1400200-CCBE	1400200	QC	379		-			
1400200-CCVF	1400200	QC	380	1411041	-			
1400200-CCBF	1400200	QC	381		-			
1400200-CCVG	1400200	QC	382	1411041	-			
1400200-CCBG	1400200	QC	383		-			
B140292-BLK1	B140292	QC	384		-			
B140292-BLK2	B140292	QC	385		-			
B140292-BLK3	B140292	QC	386		-			
B140292-BLK4	B140292	QC	387		-			
B140292-BS1	B140292	QC	388		-			
B140292-SRM1	B140292	QC	389		-			
B140292-SRM2	B140292	QC	390		-			

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-01	B140292	Zn-B-HNO3-ICPMS	391			ARD-MV1302	1/1/1980	BatchQC
1408020-01	B140292	Mo-B-HNO3-ICPMS	392			ARD-MV1302	1/1/1980	BatchQC
1408020-01	B140292	Cu-B-HNO3-ICPMS	393			ARD-MV1302	1/1/1980	BatchQC
1408020-01	B140292	Cd-B-HNO3-ICPMS	394			ARD-MV1302	1/1/1980	BatchQC
1408020-01	B140292	200.8-Zn-B-HNO3-ICPMS	395			ARD-MV1302	3/14/2014	
1408020-01	B140292	200.8-Tl-B-HNO3-ICPMS	396			ARD-MV1302	3/14/2014	
1408020-01	B140292	200.8-Sb-B-HNO3-ICPMS	397			ARD-MV1302	3/14/2014	
1408020-01	B140292	200.8-Pb-B-HNO3-ICPMS	398			ARD-MV1302	3/14/2014	
1408020-01	B140292	200.8-Mn-B-HNO3-ICPMS	399			ARD-MV1302	3/14/2014	
1408020-01	B140292	200.8-Cu-B-HNO3-ICPMS	400			ARD-MV1302	3/14/2014	
1408020-01	B140292	200.8-Co-B-HNO3-ICPMS	401			ARD-MV1302	3/14/2014	
1408020-01	B140292	200.8-Cd-B-HNO3-ICPMS	402			ARD-MV1302	3/14/2014	
1408020-01	B140292	200.8-Be-B-HNO3-ICPMS	403			ARD-MV1302	3/14/2014	
1408020-01	B140292	200.8-Ba-B-HNO3-ICPMS	404			ARD-MV1302	3/14/2014	
1408020-01	B140292	200.8-Al-B-HNO3-ICPMS	405			ARD-MV1302	3/14/2014	
1408020-01	B140292	200.8-Ag-B-HNO3-ICPMS	406			ARD-MV1302	3/14/2014	
B140292-DUP1	B140292	QC	407		1408020-01			
B140292-MS1	B140292	QC	408		1408020-01			
B140292-MSD1	B140292	QC	409		1408020-01			
1408020-02	B140292	200.8-Zn-B-HNO3-ICPMS	410			ARD-MV1302	3/14/2014	
1408020-02	B140292	200.8-Tl-B-HNO3-ICPMS	411			ARD-MV1302	3/14/2014	
1408020-02	B140292	200.8-Sb-B-HNO3-ICPMS	412			ARD-MV1302	3/14/2014	
1408020-02	B140292	200.8-Pb-B-HNO3-ICPMS	413			ARD-MV1302	3/14/2014	
1408020-02	B140292	200.8-Mn-B-HNO3-ICPMS	414			ARD-MV1302	3/14/2014	
1408020-02	B140292	200.8-Cu-B-HNO3-ICPMS	415			ARD-MV1302	3/14/2014	
1408020-02	B140292	200.8-Co-B-HNO3-ICPMS	416			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-02	B140292	200.8-Cd-B-HNO3-ICPMS	417			ARD-MV1302	3/14/2014	
1408020-02	B140292	200.8-Be-B-HNO3-ICPMS	418			ARD-MV1302	3/14/2014	
1408020-02	B140292	200.8-Ba-B-HNO3-ICPMS	419			ARD-MV1302	3/14/2014	
1408020-02	B140292	200.8-Al-B-HNO3-ICPMS	420			ARD-MV1302	3/14/2014	
1408020-02	B140292	200.8-Ag-B-HNO3-ICPMS	421			ARD-MV1302	3/14/2014	
1408020-03	B140292	200.8-Zn-B-HNO3-ICPMS	422			ARD-MV1302	3/14/2014	
1408020-03	B140292	200.8-Tl-B-HNO3-ICPMS	423			ARD-MV1302	3/14/2014	
1408020-03	B140292	200.8-Sb-B-HNO3-ICPMS	424			ARD-MV1302	3/14/2014	
1408020-03	B140292	200.8-Pb-B-HNO3-ICPMS	425			ARD-MV1302	3/14/2014	
1408020-03	B140292	200.8-Mn-B-HNO3-ICPMS	426			ARD-MV1302	3/14/2014	
1408020-03	B140292	200.8-Cu-B-HNO3-ICPMS	427			ARD-MV1302	3/14/2014	
1408020-03	B140292	200.8-Co-B-HNO3-ICPMS	428			ARD-MV1302	3/14/2014	
1408020-03	B140292	200.8-Cd-B-HNO3-ICPMS	429			ARD-MV1302	3/14/2014	
1408020-03	B140292	200.8-Be-B-HNO3-ICPMS	430			ARD-MV1302	3/14/2014	
1408020-03	B140292	200.8-Ba-B-HNO3-ICPMS	431			ARD-MV1302	3/14/2014	
1408020-03	B140292	200.8-Al-B-HNO3-ICPMS	432			ARD-MV1302	3/14/2014	
1408020-03	B140292	200.8-Ag-B-HNO3-ICPMS	433			ARD-MV1302	3/14/2014	
1408020-04	B140292	200.8-Zn-B-HNO3-ICPMS	434			ARD-MV1302	3/14/2014	
1408020-04	B140292	200.8-Tl-B-HNO3-ICPMS	435			ARD-MV1302	3/14/2014	
1408020-04	B140292	200.8-Sb-B-HNO3-ICPMS	436			ARD-MV1302	3/14/2014	
1408020-04	B140292	200.8-Pb-B-HNO3-ICPMS	437			ARD-MV1302	3/14/2014	
1408020-04	B140292	200.8-Mn-B-HNO3-ICPMS	438			ARD-MV1302	3/14/2014	
1408020-04	B140292	200.8-Cu-B-HNO3-ICPMS	439			ARD-MV1302	3/14/2014	
1408020-04	B140292	200.8-Co-B-HNO3-ICPMS	440			ARD-MV1302	3/14/2014	
1408020-04	B140292	200.8-Cd-B-HNO3-ICPMS	441			ARD-MV1302	3/14/2014	
1408020-04	B140292	200.8-Be-B-HNO3-ICPMS	442			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-04	B140292	200.8-Ba-B-HNO3-ICPMS	443			ARD-MV1302	3/14/2014	
1408020-04	B140292	200.8-Al-B-HNO3-ICPMS	444			ARD-MV1302	3/14/2014	
1408020-04	B140292	200.8-Ag-B-HNO3-ICPMS	445			ARD-MV1302	3/14/2014	
1408020-05	B140292	200.8-Zn-B-HNO3-ICPMS	446			ARD-MV1302	3/14/2014	
1408020-05	B140292	200.8-Tl-B-HNO3-ICPMS	447			ARD-MV1302	3/14/2014	
1408020-05	B140292	200.8-Sb-B-HNO3-ICPMS	448			ARD-MV1302	3/14/2014	
1408020-05	B140292	200.8-Pb-B-HNO3-ICPMS	449			ARD-MV1302	3/14/2014	
1408020-05	B140292	200.8-Mn-B-HNO3-ICPMS	450			ARD-MV1302	3/14/2014	
1408020-05	B140292	200.8-Cu-B-HNO3-ICPMS	451			ARD-MV1302	3/14/2014	
1408020-05	B140292	200.8-Co-B-HNO3-ICPMS	452			ARD-MV1302	3/14/2014	
1408020-05	B140292	200.8-Cd-B-HNO3-ICPMS	453			ARD-MV1302	3/14/2014	
1408020-05	B140292	200.8-Be-B-HNO3-ICPMS	454			ARD-MV1302	3/14/2014	
1408020-05	B140292	200.8-Ba-B-HNO3-ICPMS	455			ARD-MV1302	3/14/2014	
1408020-05	B140292	200.8-Al-B-HNO3-ICPMS	456			ARD-MV1302	3/14/2014	
1408020-05	B140292	200.8-Ag-B-HNO3-ICPMS	457			ARD-MV1302	3/14/2014	
1400200-CCVH	1400200	QC	458	1411042	-			
1400200-CCBH	1400200	QC	459		-			
1408020-06	B140292	200.8-Zn-B-HNO3-ICPMS	460			ARD-MV1302	3/14/2014	
1408020-06	B140292	200.8-Tl-B-HNO3-ICPMS	461			ARD-MV1302	3/14/2014	
1408020-06	B140292	200.8-Sb-B-HNO3-ICPMS	462			ARD-MV1302	3/14/2014	
1408020-06	B140292	200.8-Pb-B-HNO3-ICPMS	463			ARD-MV1302	3/14/2014	
1408020-06	B140292	200.8-Mn-B-HNO3-ICPMS	464			ARD-MV1302	3/14/2014	
1408020-06	B140292	200.8-Cu-B-HNO3-ICPMS	465			ARD-MV1302	3/14/2014	
1408020-06	B140292	200.8-Co-B-HNO3-ICPMS	466			ARD-MV1302	3/14/2014	
1408020-06	B140292	200.8-Cd-B-HNO3-ICPMS	467			ARD-MV1302	3/14/2014	
1408020-06	B140292	200.8-Be-B-HNO3-ICPMS	468			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-06	B140292	200.8-Ba-B-HNO3-ICPMS	469			ARD-MV1302	3/14/2014	
1408020-06	B140292	200.8-Al-B-HNO3-ICPMS	470			ARD-MV1302	3/14/2014	
1408020-06	B140292	200.8-Ag-B-HNO3-ICPMS	471			ARD-MV1302	3/14/2014	
1408020-07	B140292	200.8-Zn-B-HNO3-ICPMS	472			ARD-MV1302	3/14/2014	
1408020-07	B140292	200.8-Tl-B-HNO3-ICPMS	473			ARD-MV1302	3/14/2014	
1408020-07	B140292	200.8-Sb-B-HNO3-ICPMS	474			ARD-MV1302	3/14/2014	
1408020-07	B140292	200.8-Pb-B-HNO3-ICPMS	475			ARD-MV1302	3/14/2014	
1408020-07	B140292	200.8-Mn-B-HNO3-ICPMS	476			ARD-MV1302	3/14/2014	
1408020-07	B140292	200.8-Cu-B-HNO3-ICPMS	477			ARD-MV1302	3/14/2014	
1408020-07	B140292	200.8-Co-B-HNO3-ICPMS	478			ARD-MV1302	3/14/2014	
1408020-07	B140292	200.8-Cd-B-HNO3-ICPMS	479			ARD-MV1302	3/14/2014	
1408020-07	B140292	200.8-Be-B-HNO3-ICPMS	480			ARD-MV1302	3/14/2014	
1408020-07	B140292	200.8-Ba-B-HNO3-ICPMS	481			ARD-MV1302	3/14/2014	
1408020-07	B140292	200.8-Al-B-HNO3-ICPMS	482			ARD-MV1302	3/14/2014	
1408020-07	B140292	200.8-Ag-B-HNO3-ICPMS	483			ARD-MV1302	3/14/2014	
1408020-08	B140292	200.8-Zn-B-HNO3-ICPMS	484			ARD-MV1302	3/14/2014	
1408020-08	B140292	200.8-Tl-B-HNO3-ICPMS	485			ARD-MV1302	3/14/2014	
1408020-08	B140292	200.8-Sb-B-HNO3-ICPMS	486			ARD-MV1302	3/14/2014	
1408020-08	B140292	200.8-Pb-B-HNO3-ICPMS	487			ARD-MV1302	3/14/2014	
1408020-08	B140292	200.8-Mn-B-HNO3-ICPMS	488			ARD-MV1302	3/14/2014	
1408020-08	B140292	200.8-Cu-B-HNO3-ICPMS	489			ARD-MV1302	3/14/2014	
1408020-08	B140292	200.8-Co-B-HNO3-ICPMS	490			ARD-MV1302	3/14/2014	
1408020-08	B140292	200.8-Cd-B-HNO3-ICPMS	491			ARD-MV1302	3/14/2014	
1408020-08	B140292	200.8-Be-B-HNO3-ICPMS	492			ARD-MV1302	3/14/2014	
1408020-08	B140292	200.8-Ba-B-HNO3-ICPMS	493			ARD-MV1302	3/14/2014	
1408020-08	B140292	200.8-Al-B-HNO3-ICPMS	494			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-08	B140292	200.8-Ag-B-HNO3-ICPMS	495			ARD-MV1302	3/14/2014	
1408020-09	B140292	Zn-B-HNO3-ICPMS	496			ARD-MV1302	1/1/1980	BatchQC
1408020-09	B140292	Mo-B-HNO3-ICPMS	497			ARD-MV1302	1/1/1980	BatchQC
1408020-09	B140292	Cu-B-HNO3-ICPMS	498			ARD-MV1302	1/1/1980	BatchQC
1408020-09	B140292	Cd-B-HNO3-ICPMS	499			ARD-MV1302	1/1/1980	BatchQC
1408020-09	B140292	200.8-Zn-B-HNO3-ICPMS	500			ARD-MV1302	3/14/2014	
1408020-09	B140292	200.8-Tl-B-HNO3-ICPMS	501			ARD-MV1302	3/14/2014	
1408020-09	B140292	200.8-Sb-B-HNO3-ICPMS	502			ARD-MV1302	3/14/2014	
1408020-09	B140292	200.8-Pb-B-HNO3-ICPMS	503			ARD-MV1302	3/14/2014	
1408020-09	B140292	200.8-Mn-B-HNO3-ICPMS	504			ARD-MV1302	3/14/2014	
1408020-09	B140292	200.8-Cu-B-HNO3-ICPMS	505			ARD-MV1302	3/14/2014	
1408020-09	B140292	200.8-Co-B-HNO3-ICPMS	506			ARD-MV1302	3/14/2014	
1408020-09	B140292	200.8-Cd-B-HNO3-ICPMS	507			ARD-MV1302	3/14/2014	
1408020-09	B140292	200.8-Be-B-HNO3-ICPMS	508			ARD-MV1302	3/14/2014	
1408020-09	B140292	200.8-Ba-B-HNO3-ICPMS	509			ARD-MV1302	3/14/2014	
1408020-09	B140292	200.8-Al-B-HNO3-ICPMS	510			ARD-MV1302	3/14/2014	
1408020-09	B140292	200.8-Ag-B-HNO3-ICPMS	511			ARD-MV1302	3/14/2014	
B140292-DUP2	B140292	QC	512		1408020-09			
B140292-MS2	B140292	QC	513		1408020-09			
B140292-MSD2	B140292	QC	514		1408020-09			
1408020-10	B140292	200.8-Zn-B-HNO3-ICPMS	515			ARD-MV1302	3/14/2014	
1408020-10	B140292	200.8-Tl-B-HNO3-ICPMS	516			ARD-MV1302	3/14/2014	
1408020-10	B140292	200.8-Sb-B-HNO3-ICPMS	517			ARD-MV1302	3/14/2014	
1408020-10	B140292	200.8-Pb-B-HNO3-ICPMS	518			ARD-MV1302	3/14/2014	
1408020-10	B140292	200.8-Mn-B-HNO3-ICPMS	519			ARD-MV1302	3/14/2014	
1408020-10	B140292	200.8-Cu-B-HNO3-ICPMS	520			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-10	B140292	200.8-Co-B-HNO3-ICPMS	521			ARD-MV1302	3/14/2014	
1408020-10	B140292	200.8-Cd-B-HNO3-ICPMS	522			ARD-MV1302	3/14/2014	
1408020-10	B140292	200.8-Be-B-HNO3-ICPMS	523			ARD-MV1302	3/14/2014	
1408020-10	B140292	200.8-Ba-B-HNO3-ICPMS	524			ARD-MV1302	3/14/2014	
1408020-10	B140292	200.8-Al-B-HNO3-ICPMS	525			ARD-MV1302	3/14/2014	
1408020-10	B140292	200.8-Ag-B-HNO3-ICPMS	526			ARD-MV1302	3/14/2014	
1408020-11	B140292	200.8-Zn-B-HNO3-ICPMS	527			ARD-MV1302	3/14/2014	
1408020-11	B140292	200.8-Tl-B-HNO3-ICPMS	528			ARD-MV1302	3/14/2014	
1408020-11	B140292	200.8-Sb-B-HNO3-ICPMS	529			ARD-MV1302	3/14/2014	
1408020-11	B140292	200.8-Pb-B-HNO3-ICPMS	530			ARD-MV1302	3/14/2014	
1408020-11	B140292	200.8-Mn-B-HNO3-ICPMS	531			ARD-MV1302	3/14/2014	
1408020-11	B140292	200.8-Cu-B-HNO3-ICPMS	532			ARD-MV1302	3/14/2014	
1408020-11	B140292	200.8-Co-B-HNO3-ICPMS	533			ARD-MV1302	3/14/2014	
1408020-11	B140292	200.8-Cd-B-HNO3-ICPMS	534			ARD-MV1302	3/14/2014	
1408020-11	B140292	200.8-Be-B-HNO3-ICPMS	535			ARD-MV1302	3/14/2014	
1408020-11	B140292	200.8-Ba-B-HNO3-ICPMS	536			ARD-MV1302	3/14/2014	
1408020-11	B140292	200.8-Al-B-HNO3-ICPMS	537			ARD-MV1302	3/14/2014	
1408020-11	B140292	200.8-Ag-B-HNO3-ICPMS	538			ARD-MV1302	3/14/2014	
1400200-CCVI	1400200	QC	539	1411042	-			
1400200-CCBI	1400200	QC	540		-			
1408020-12	B140292	Zn-B-HNO3-ICPMS	541			ARD-MV1302	1/1/1980	BatchQC
1408020-12	B140292	Mo-B-HNO3-ICPMS	542			ARD-MV1302	1/1/1980	BatchQC
1408020-12	B140292	Cu-B-HNO3-ICPMS	543			ARD-MV1302	1/1/1980	BatchQC
1408020-12	B140292	Cd-B-HNO3-ICPMS	544			ARD-MV1302	1/1/1980	BatchQC
1408020-12	B140292	200.8-Zn-B-HNO3-ICPMS	545			ARD-MV1302	3/14/2014	
1408020-12	B140292	200.8-Tl-B-HNO3-ICPMS	546			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-12	B140292	200.8-Sb-B-HNO3-ICPMS	547			ARD-MV1302	3/14/2014	
1408020-12	B140292	200.8-Pb-B-HNO3-ICPMS	548			ARD-MV1302	3/14/2014	
1408020-12	B140292	200.8-Mn-B-HNO3-ICPMS	549			ARD-MV1302	3/14/2014	
1408020-12	B140292	200.8-Cu-B-HNO3-ICPMS	550			ARD-MV1302	3/14/2014	
1408020-12	B140292	200.8-Co-B-HNO3-ICPMS	551			ARD-MV1302	3/14/2014	
1408020-12	B140292	200.8-Cd-B-HNO3-ICPMS	552			ARD-MV1302	3/14/2014	
1408020-12	B140292	200.8-Be-B-HNO3-ICPMS	553			ARD-MV1302	3/14/2014	
1408020-12	B140292	200.8-Ba-B-HNO3-ICPMS	554			ARD-MV1302	3/14/2014	
1408020-12	B140292	200.8-Al-B-HNO3-ICPMS	555			ARD-MV1302	3/14/2014	
1408020-12	B140292	200.8-Ag-B-HNO3-ICPMS	556			ARD-MV1302	3/14/2014	
B140292-DUP3	B140292	QC	557		1408020-12			
B140292-MS3	B140292	QC	558		1408020-12			
B140292-MSD3	B140292	QC	559		1408020-12			
1408020-13	B140292	200.8-Zn-B-HNO3-ICPMS	560			ARD-MV1302	3/14/2014	
1408020-13	B140292	200.8-Tl-B-HNO3-ICPMS	561			ARD-MV1302	3/14/2014	
1408020-13	B140292	200.8-Sb-B-HNO3-ICPMS	562			ARD-MV1302	3/14/2014	
1408020-13	B140292	200.8-Pb-B-HNO3-ICPMS	563			ARD-MV1302	3/14/2014	
1408020-13	B140292	200.8-Mn-B-HNO3-ICPMS	564			ARD-MV1302	3/14/2014	
1408020-13	B140292	200.8-Cu-B-HNO3-ICPMS	565			ARD-MV1302	3/14/2014	
1408020-13	B140292	200.8-Co-B-HNO3-ICPMS	566			ARD-MV1302	3/14/2014	
1408020-13	B140292	200.8-Cd-B-HNO3-ICPMS	567			ARD-MV1302	3/14/2014	
1408020-13	B140292	200.8-Be-B-HNO3-ICPMS	568			ARD-MV1302	3/14/2014	
1408020-13	B140292	200.8-Ba-B-HNO3-ICPMS	569			ARD-MV1302	3/14/2014	
1408020-13	B140292	200.8-Al-B-HNO3-ICPMS	570			ARD-MV1302	3/14/2014	
1408020-13	B140292	200.8-Ag-B-HNO3-ICPMS	571			ARD-MV1302	3/14/2014	
1408020-14	B140292	200.8-Zn-B-HNO3-ICPMS	572			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-14	B140292	200.8-Tl-B-HNO3-ICPMS	573			ARD-MV1302	3/14/2014	
1408020-14	B140292	200.8-Sb-B-HNO3-ICPMS	574			ARD-MV1302	3/14/2014	
1408020-14	B140292	200.8-Pb-B-HNO3-ICPMS	575			ARD-MV1302	3/14/2014	
1408020-14	B140292	200.8-Mn-B-HNO3-ICPMS	576			ARD-MV1302	3/14/2014	
1408020-14	B140292	200.8-Cu-B-HNO3-ICPMS	577			ARD-MV1302	3/14/2014	
1408020-14	B140292	200.8-Co-B-HNO3-ICPMS	578			ARD-MV1302	3/14/2014	
1408020-14	B140292	200.8-Cd-B-HNO3-ICPMS	579			ARD-MV1302	3/14/2014	
1408020-14	B140292	200.8-Be-B-HNO3-ICPMS	580			ARD-MV1302	3/14/2014	
1408020-14	B140292	200.8-Ba-B-HNO3-ICPMS	581			ARD-MV1302	3/14/2014	
1408020-14	B140292	200.8-Al-B-HNO3-ICPMS	582			ARD-MV1302	3/14/2014	
1408020-14	B140292	200.8-Ag-B-HNO3-ICPMS	583			ARD-MV1302	3/14/2014	
1408020-15	B140292	200.8-Zn-B-HNO3-ICPMS	584			ARD-MV1302	3/14/2014	
1408020-15	B140292	200.8-Tl-B-HNO3-ICPMS	585			ARD-MV1302	3/14/2014	
1408020-15	B140292	200.8-Sb-B-HNO3-ICPMS	586			ARD-MV1302	3/14/2014	
1408020-15	B140292	200.8-Pb-B-HNO3-ICPMS	587			ARD-MV1302	3/14/2014	
1408020-15	B140292	200.8-Mn-B-HNO3-ICPMS	588			ARD-MV1302	3/14/2014	
1408020-15	B140292	200.8-Cu-B-HNO3-ICPMS	589			ARD-MV1302	3/14/2014	
1408020-15	B140292	200.8-Co-B-HNO3-ICPMS	590			ARD-MV1302	3/14/2014	
1408020-15	B140292	200.8-Cd-B-HNO3-ICPMS	591			ARD-MV1302	3/14/2014	
1408020-15	B140292	200.8-Be-B-HNO3-ICPMS	592			ARD-MV1302	3/14/2014	
1408020-15	B140292	200.8-Ba-B-HNO3-ICPMS	593			ARD-MV1302	3/14/2014	
1408020-15	B140292	200.8-Al-B-HNO3-ICPMS	594			ARD-MV1302	3/14/2014	
1408020-15	B140292	200.8-Ag-B-HNO3-ICPMS	595			ARD-MV1302	3/14/2014	
1408020-16	B140292	200.8-Zn-B-HNO3-ICPMS	596			ARD-MV1302	3/14/2014	
1408020-16	B140292	200.8-Tl-B-HNO3-ICPMS	597			ARD-MV1302	3/14/2014	
1408020-16	B140292	200.8-Sb-B-HNO3-ICPMS	598			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-16	B140292	200.8-Pb-B-HNO3-ICPMS	599			ARD-MV1302	3/14/2014	
1408020-16	B140292	200.8-Mn-B-HNO3-ICPMS	600			ARD-MV1302	3/14/2014	
1408020-16	B140292	200.8-Cu-B-HNO3-ICPMS	601			ARD-MV1302	3/14/2014	
1408020-16	B140292	200.8-Co-B-HNO3-ICPMS	602			ARD-MV1302	3/14/2014	
1408020-16	B140292	200.8-Cd-B-HNO3-ICPMS	603			ARD-MV1302	3/14/2014	
1408020-16	B140292	200.8-Be-B-HNO3-ICPMS	604			ARD-MV1302	3/14/2014	
1408020-16	B140292	200.8-Ba-B-HNO3-ICPMS	605			ARD-MV1302	3/14/2014	
1408020-16	B140292	200.8-Al-B-HNO3-ICPMS	606			ARD-MV1302	3/14/2014	
1408020-16	B140292	200.8-Ag-B-HNO3-ICPMS	607			ARD-MV1302	3/14/2014	
1408020-17	B140292	200.8-Zn-B-HNO3-ICPMS	608			ARD-MV1302	3/14/2014	
1408020-17	B140292	200.8-Tl-B-HNO3-ICPMS	609			ARD-MV1302	3/14/2014	
1408020-17	B140292	200.8-Sb-B-HNO3-ICPMS	610			ARD-MV1302	3/14/2014	
1408020-17	B140292	200.8-Pb-B-HNO3-ICPMS	611			ARD-MV1302	3/14/2014	
1408020-17	B140292	200.8-Mn-B-HNO3-ICPMS	612			ARD-MV1302	3/14/2014	
1408020-17	B140292	200.8-Cu-B-HNO3-ICPMS	613			ARD-MV1302	3/14/2014	
1408020-17	B140292	200.8-Co-B-HNO3-ICPMS	614			ARD-MV1302	3/14/2014	
1408020-17	B140292	200.8-Cd-B-HNO3-ICPMS	615			ARD-MV1302	3/14/2014	
1408020-17	B140292	200.8-Be-B-HNO3-ICPMS	616			ARD-MV1302	3/14/2014	
1408020-17	B140292	200.8-Ba-B-HNO3-ICPMS	617			ARD-MV1302	3/14/2014	
1408020-17	B140292	200.8-Al-B-HNO3-ICPMS	618			ARD-MV1302	3/14/2014	
1408020-17	B140292	200.8-Ag-B-HNO3-ICPMS	619			ARD-MV1302	3/14/2014	
1408020-18	B140292	200.8-Zn-B-HNO3-ICPMS	620			ARD-MV1302	3/14/2014	
1408020-18	B140292	200.8-Tl-B-HNO3-ICPMS	621			ARD-MV1302	3/14/2014	
1408020-18	B140292	200.8-Sb-B-HNO3-ICPMS	622			ARD-MV1302	3/14/2014	
1408020-18	B140292	200.8-Pb-B-HNO3-ICPMS	623			ARD-MV1302	3/14/2014	
1408020-18	B140292	200.8-Mn-B-HNO3-ICPMS	624			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-18	B140292	200.8-Cu-B-HNO3-ICPMS	625			ARD-MV1302	3/14/2014	
1408020-18	B140292	200.8-Co-B-HNO3-ICPMS	626			ARD-MV1302	3/14/2014	
1408020-18	B140292	200.8-Cd-B-HNO3-ICPMS	627			ARD-MV1302	3/14/2014	
1408020-18	B140292	200.8-Be-B-HNO3-ICPMS	628			ARD-MV1302	3/14/2014	
1408020-18	B140292	200.8-Ba-B-HNO3-ICPMS	629			ARD-MV1302	3/14/2014	
1408020-18	B140292	200.8-Al-B-HNO3-ICPMS	630			ARD-MV1302	3/14/2014	
1408020-18	B140292	200.8-Ag-B-HNO3-ICPMS	631			ARD-MV1302	3/14/2014	
1400200-CCVJ	1400200	QC	632	1411042	-			
1400200-CCBJ	1400200	QC	633		-			
1408020-19	B140292	200.8-Zn-B-HNO3-ICPMS	634			ARD-MV1302	3/14/2014	
1408020-19	B140292	200.8-Tl-B-HNO3-ICPMS	635			ARD-MV1302	3/14/2014	
1408020-19	B140292	200.8-Sb-B-HNO3-ICPMS	636			ARD-MV1302	3/14/2014	
1408020-19	B140292	200.8-Pb-B-HNO3-ICPMS	637			ARD-MV1302	3/14/2014	
1408020-19	B140292	200.8-Mn-B-HNO3-ICPMS	638			ARD-MV1302	3/14/2014	
1408020-19	B140292	200.8-Cu-B-HNO3-ICPMS	639			ARD-MV1302	3/14/2014	
1408020-19	B140292	200.8-Co-B-HNO3-ICPMS	640			ARD-MV1302	3/14/2014	
1408020-19	B140292	200.8-Cd-B-HNO3-ICPMS	641			ARD-MV1302	3/14/2014	
1408020-19	B140292	200.8-Be-B-HNO3-ICPMS	642			ARD-MV1302	3/14/2014	
1408020-19	B140292	200.8-Ba-B-HNO3-ICPMS	643			ARD-MV1302	3/14/2014	
1408020-19	B140292	200.8-Al-B-HNO3-ICPMS	644			ARD-MV1302	3/14/2014	
1408020-19	B140292	200.8-Ag-B-HNO3-ICPMS	645			ARD-MV1302	3/14/2014	
1408020-20	B140292	200.8-Zn-B-HNO3-ICPMS	646			ARD-MV1302	3/14/2014	
1408020-20	B140292	200.8-Tl-B-HNO3-ICPMS	647			ARD-MV1302	3/14/2014	
1408020-20	B140292	200.8-Sb-B-HNO3-ICPMS	648			ARD-MV1302	3/14/2014	
1408020-20	B140292	200.8-Pb-B-HNO3-ICPMS	649			ARD-MV1302	3/14/2014	
1408020-20	B140292	200.8-Mn-B-HNO3-ICPMS	650			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-20	B140292	200.8-Cu-B-HNO3-ICPMS	651			ARD-MV1302	3/14/2014	
1408020-20	B140292	200.8-Co-B-HNO3-ICPMS	652			ARD-MV1302	3/14/2014	
1408020-20	B140292	200.8-Cd-B-HNO3-ICPMS	653			ARD-MV1302	3/14/2014	
1408020-20	B140292	200.8-Be-B-HNO3-ICPMS	654			ARD-MV1302	3/14/2014	
1408020-20	B140292	200.8-Ba-B-HNO3-ICPMS	655			ARD-MV1302	3/14/2014	
1408020-20	B140292	200.8-Al-B-HNO3-ICPMS	656			ARD-MV1302	3/14/2014	
1408020-20	B140292	200.8-Ag-B-HNO3-ICPMS	657			ARD-MV1302	3/14/2014	
1408020-21	B140292	200.8-Zn-B-HNO3-ICPMS	658			ARD-MV1302	3/14/2014	
1408020-21	B140292	200.8-Tl-B-HNO3-ICPMS	659			ARD-MV1302	3/14/2014	
1408020-21	B140292	200.8-Sb-B-HNO3-ICPMS	660			ARD-MV1302	3/14/2014	
1408020-21	B140292	200.8-Pb-B-HNO3-ICPMS	661			ARD-MV1302	3/14/2014	
1408020-21	B140292	200.8-Mn-B-HNO3-ICPMS	662			ARD-MV1302	3/14/2014	
1408020-21	B140292	200.8-Cu-B-HNO3-ICPMS	663			ARD-MV1302	3/14/2014	
1408020-21	B140292	200.8-Co-B-HNO3-ICPMS	664			ARD-MV1302	3/14/2014	
1408020-21	B140292	200.8-Cd-B-HNO3-ICPMS	665			ARD-MV1302	3/14/2014	
1408020-21	B140292	200.8-Be-B-HNO3-ICPMS	666			ARD-MV1302	3/14/2014	
1408020-21	B140292	200.8-Ba-B-HNO3-ICPMS	667			ARD-MV1302	3/14/2014	
1408020-21	B140292	200.8-Al-B-HNO3-ICPMS	668			ARD-MV1302	3/14/2014	
1408020-21	B140292	200.8-Ag-B-HNO3-ICPMS	669			ARD-MV1302	3/14/2014	
1408020-22	B140292	200.8-Zn-B-HNO3-ICPMS	670			ARD-MV1302	3/14/2014	
1408020-22	B140292	200.8-Tl-B-HNO3-ICPMS	671			ARD-MV1302	3/14/2014	
1408020-22	B140292	200.8-Sb-B-HNO3-ICPMS	672			ARD-MV1302	3/14/2014	
1408020-22	B140292	200.8-Pb-B-HNO3-ICPMS	673			ARD-MV1302	3/14/2014	
1408020-22	B140292	200.8-Mn-B-HNO3-ICPMS	674			ARD-MV1302	3/14/2014	
1408020-22	B140292	200.8-Cu-B-HNO3-ICPMS	675			ARD-MV1302	3/14/2014	
1408020-22	B140292	200.8-Co-B-HNO3-ICPMS	676			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-22	B140292	200.8-Cd-B-HNO3-ICPMS	677			ARD-MV1302	3/14/2014	
1408020-22	B140292	200.8-Be-B-HNO3-ICPMS	678			ARD-MV1302	3/14/2014	
1408020-22	B140292	200.8-Ba-B-HNO3-ICPMS	679			ARD-MV1302	3/14/2014	
1408020-22	B140292	200.8-Al-B-HNO3-ICPMS	680			ARD-MV1302	3/14/2014	
1408020-22	B140292	200.8-Ag-B-HNO3-ICPMS	681			ARD-MV1302	3/14/2014	
1408020-23	B140292	200.8-Zn-B-HNO3-ICPMS	682			ARD-MV1302	3/14/2014	
1408020-23	B140292	200.8-Tl-B-HNO3-ICPMS	683			ARD-MV1302	3/14/2014	
1408020-23	B140292	200.8-Sb-B-HNO3-ICPMS	684			ARD-MV1302	3/14/2014	
1408020-23	B140292	200.8-Pb-B-HNO3-ICPMS	685			ARD-MV1302	3/14/2014	
1408020-23	B140292	200.8-Mn-B-HNO3-ICPMS	686			ARD-MV1302	3/14/2014	
1408020-23	B140292	200.8-Cu-B-HNO3-ICPMS	687			ARD-MV1302	3/14/2014	
1408020-23	B140292	200.8-Co-B-HNO3-ICPMS	688			ARD-MV1302	3/14/2014	
1408020-23	B140292	200.8-Cd-B-HNO3-ICPMS	689			ARD-MV1302	3/14/2014	
1408020-23	B140292	200.8-Be-B-HNO3-ICPMS	690			ARD-MV1302	3/14/2014	
1408020-23	B140292	200.8-Ba-B-HNO3-ICPMS	691			ARD-MV1302	3/14/2014	
1408020-23	B140292	200.8-Al-B-HNO3-ICPMS	692			ARD-MV1302	3/14/2014	
1408020-23	B140292	200.8-Ag-B-HNO3-ICPMS	693			ARD-MV1302	3/14/2014	
1408020-24	B140292	Zn-B-HNO3-ICPMS	694			ARD-MV1302	1/1/1980	BatchQC
1408020-24	B140292	Mo-B-HNO3-ICPMS	695			ARD-MV1302	1/1/1980	BatchQC
1408020-24	B140292	Cu-B-HNO3-ICPMS	696			ARD-MV1302	1/1/1980	BatchQC
1408020-24	B140292	Cd-B-HNO3-ICPMS	697			ARD-MV1302	1/1/1980	BatchQC
1408020-24	B140292	200.8-Zn-B-HNO3-ICPMS	698			ARD-MV1302	3/14/2014	
1408020-24	B140292	200.8-Tl-B-HNO3-ICPMS	699			ARD-MV1302	3/14/2014	
1408020-24	B140292	200.8-Sb-B-HNO3-ICPMS	700			ARD-MV1302	3/14/2014	
1408020-24	B140292	200.8-Pb-B-HNO3-ICPMS	701			ARD-MV1302	3/14/2014	
1408020-24	B140292	200.8-Mn-B-HNO3-ICPMS	702			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-24	B140292	200.8-Cu-B-HNO3-ICPMS	703			ARD-MV1302	3/14/2014	
1408020-24	B140292	200.8-Co-B-HNO3-ICPMS	704			ARD-MV1302	3/14/2014	
1408020-24	B140292	200.8-Cd-B-HNO3-ICPMS	705			ARD-MV1302	3/14/2014	
1408020-24	B140292	200.8-Be-B-HNO3-ICPMS	706			ARD-MV1302	3/14/2014	
1408020-24	B140292	200.8-Ba-B-HNO3-ICPMS	707			ARD-MV1302	3/14/2014	
1408020-24	B140292	200.8-Al-B-HNO3-ICPMS	708			ARD-MV1302	3/14/2014	
1408020-24	B140292	200.8-Ag-B-HNO3-ICPMS	709			ARD-MV1302	3/14/2014	
B140292-DUP4	B140292	QC	710		1408020-24			
B140292-MS4	B140292	QC	711		1408020-24			
B140292-MSD4	B140292	QC	712		1408020-24			
1400200-CCVK	1400200	QC	713	1411042	-			
1400200-CCBK	1400200	QC	714		-			
1408011-01	B140292	Zn-B-HNO3-ICPMS	715			MOE-BC1401	3/13/2014	
1408011-01	B140292	Mo-B-HNO3-ICPMS	716			MOE-BC1401	3/13/2014	
1408011-01	B140292	Cu-B-HNO3-ICPMS	717			MOE-BC1401	3/13/2014	
1408011-01	B140292	Cd-B-HNO3-ICPMS	718			MOE-BC1401	3/13/2014	
1408011-02	B140292	Zn-B-HNO3-ICPMS	719			MOE-BC1401	3/13/2014	
1408011-02	B140292	Mo-B-HNO3-ICPMS	720			MOE-BC1401	3/13/2014	
1408011-02	B140292	Cu-B-HNO3-ICPMS	721			MOE-BC1401	3/13/2014	
1408011-02	B140292	Cd-B-HNO3-ICPMS	722			MOE-BC1401	3/13/2014	
1408011-03	B140292	Zn-B-HNO3-ICPMS	723			MOE-BC1401	3/13/2014	
1408011-03	B140292	Mo-B-HNO3-ICPMS	724			MOE-BC1401	3/13/2014	
1408011-03	B140292	Cu-B-HNO3-ICPMS	725			MOE-BC1401	3/13/2014	
1408011-03	B140292	Cd-B-HNO3-ICPMS	726			MOE-BC1401	3/13/2014	
1408011-04	B140292	Zn-B-HNO3-ICPMS	727			MOE-BC1401	3/13/2014	
1408011-04	B140292	Mo-B-HNO3-ICPMS	728			MOE-BC1401	3/13/2014	

ANALYSIS SEQUENCE

1400200

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408011-04	B140292	Cu-B-HNO3-ICPMS	729			MOE-BC1401	3/13/2014	
1408011-04	B140292	Cd-B-HNO3-ICPMS	730			MOE-BC1401	3/13/2014	
1408011-05	B140292	Zn-B-HNO3-ICPMS	731			MOE-BC1401	3/13/2014	
1408011-05	B140292	Mo-B-HNO3-ICPMS	732			MOE-BC1401	3/13/2014	
1408011-05	B140292	Cu-B-HNO3-ICPMS	733			MOE-BC1401	3/13/2014	
1408011-05	B140292	Cd-B-HNO3-ICPMS	734			MOE-BC1401	3/13/2014	
1408011-06	B140292	Zn-B-HNO3-ICPMS	735			MOE-BC1401	3/13/2014	
1408011-06	B140292	Mo-B-HNO3-ICPMS	736			MOE-BC1401	3/13/2014	
1408011-06	B140292	Cu-B-HNO3-ICPMS	737			MOE-BC1401	3/13/2014	
1408011-06	B140292	Cd-B-HNO3-ICPMS	738			MOE-BC1401	3/13/2014	
1408011-07	B140292	Zn-B-HNO3-ICPMS	739			MOE-BC1401	3/13/2014	
1408011-07	B140292	Mo-B-HNO3-ICPMS	740			MOE-BC1401	3/13/2014	
1408011-07	B140292	Cu-B-HNO3-ICPMS	741			MOE-BC1401	3/13/2014	
1408011-07	B140292	Cd-B-HNO3-ICPMS	742			MOE-BC1401	3/13/2014	
1408011-08	B140292	Zn-B-HNO3-ICPMS	743			MOE-BC1401	3/13/2014	
1408011-08	B140292	Mo-B-HNO3-ICPMS	744			MOE-BC1401	3/13/2014	
1408011-08	B140292	Cu-B-HNO3-ICPMS	745			MOE-BC1401	3/13/2014	
1408011-08	B140292	Cd-B-HNO3-ICPMS	746			MOE-BC1401	3/13/2014	
1400200-CCVL	1400200	QC	747	1411042	-			
1400200-CCBL	1400200	QC	748		-			

ICP-MS Analysis Benchsheet Batch No: B140364, 0329, 0356, 0297, 0379, 0292

BR-0060 standard / DRC mode (circle one)

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

Analyst: AR Date: 3/11/2014

Instrument ID: ICP-MS-3 cHNO3 ID: 1406040 cHCl ID: NA

Calibration recorded in LIMS Int Std: 1343007 SEQ: 1400200, 1400208 (IDOC)

A/S #	Batch	Sample ID	Dilution		Comments
1		warm up			
1		warm up			
1		warm up			
1		SEQ-ICB1			
2020		SEQ-CAL1			1412022
2010		SEQ-CAL2			1412023
2002		SEQ-CAL3			1412024
2001		SEQ-CAL4			1412025
3020		SEQ-CAL5			1412027
3010		SEQ-CAL6			1412028
3002		SEQ-CAL7			1412029
3001		SEQ-CAL8			1412030
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 1643e 1346032; 1323040
106		SEQ-SCV2	5x		Hardness 1333002; 1333005
107		SEQ-SCV3			Fe-Ca check 1352078; 1352079
108		SEQ-IFA1	200x		1343002
109		SEQ-IFB1	200x		1343001
2		SEQ-CCV1			1412025
1		SEQ-CCB1			
110	B140364	B140364-BLK1			
111	B140364	B140364-BLK2			
112	B140364	B140364-BLK3			
113	B140364	B140364-BLK4			
114	B140364	B140364-BS1			
115	B140364	1350001-03RE1			Trip Blank
116	B140364	1350002-03RE1			Trip Blank
117	B140364	1350008-03RE1			Trip Blank
2		SEQ-CCV2			1412025
1		SEQ-CCB2			
118	B140364	1350001-01RE2			
119	B140364	B140364-DUP1			1350001-01RE2

120	B140364	B140364-MS1			50µL 1352017 to 5mL
121	B140364	B140364-MSD1			50µL 1352017 to 5mL
122	B140364	1350001-02RE2			
123	B140364	1350002-01RE2			
124	B140364	B140364-DUP2			1350002-01RE2
125	B140364	B140364-MS2			50µL 1352017 to 5mL
126	B140364	B140364-MSD2			50µL 1352017 to 5mL
2		SEQ-CCV3			1412025
1		SEQ-CCB3			
127	B140364	1350002-02RE2			
128	B140364	1350008-01RE2			
129	B140364	B140364-DUP3			1350008-01RE2
130	B140364	B140364-MS3			50µL 1352017 to 5mL
131	B140364	B140364-MSD3			50µL 1352017 to 5mL
132	B140364	1350008-02RE2			
2		SEQ-CCV4			1412025
1		SEQ-CCB4			
133	B140329	1407006-09RE2			
134	B140329	1407006-10RE2			
135	B140329	1407006-13RE2			
136	B140329	1407006-14RE2			
2		SEQ-CCV5			1412025
1		SEQ-CCB5			
137	B140356	B140356-BLK1			
138	B140356	B140356-BLK2			
139	B140356	B140356-BLK3			
140	B140356	B140356-BLK4			
141	B140356	B140356-BS1			
142	B140356	1407040-02RE1			
143	B140356	1407040-03RE1			
144	B140356	1408003-02RE1			
145	B140356	1408003-03RE1			
2		SEQ-CCV6			1412025
1		SEQ-CCB6			
146	B140356	1407040-01RE1			
147	B140356	B140356-DUP1			
148	B140356	B140356-DUP2	5x	M	dilution check
149	B140356	B140356-MS1			100µL 1410051 to 5mL
150	B140356	B140356-MSD1			100µL 1410051 to 5mL
151	B140356	1407040-04RE1			
152	B140356	1407040-05RE1			
153	B140356	1407040-06RE1			
154	B140356	1407040-07RE1			
155	B140356	1407040-08RE1			
2		SEQ-CCV7			1412025
1		SEQ-CCB7			
156	B140356	1407040-09RE1			
157	B140356	B140356-DUP3			
158	B140356	B140356-DUP4	5x	M	dilution check
159	B140356	B140356-MS2			100µL 1410051 to 5mL
160	B140356	B140356-MSD2			100µL 1410051 to 5mL
201	B140356	1407040-10RE1			

202	B140356	1407040-11RE1			
203	B140356	1407040-12RE1			
204	B140356	1407040-13RE1			
205	B140356	1407040-14RE1			
5		SEQ-CCV8			1412025
10		SEQ-CCB8			
206	B140356	1407040-15RE1			
207	B140356	1407040-16RE1			
208	B140356	1407040-17RE1			
209	B140356	1407040-18RE1			
210	B140356	1408003-01RE1			
211	B140356	1408003-04RE1			
212	B140356	1408003-05RE1			
213	B140356	1408003-06RE1			
5		SEQ-CCV9			1412025
10		SEQ-CCB9			
214	B140356	1408003-07RE1			
215	B140356	B140356-DUP5			
216	B140356	B140356-DUP6	5x	M	dilution check
217	B140356	B140356-MS3			100µL 1410051 to 5mL
218	B140356	B140356-MSD3			100µL 1410051 to 5mL
219	B140356	1408003-08RE1			
220	B140356	B140356-DUP7			
221	B140356	B140356-DUP8	5x	M	dilution check
222	B140356	B140356-MS4			100µL 1410051 to 5mL
223	B140356	B140356-MSD4			100µL 1410051 to 5mL
5		SEQ-CCVA			1412025
10		SEQ-CCBA			
224	B140356	1408003-09RE1			
225	B140356	1408003-10RE1			
226	B140356	1408003-11RE1			
227	B140356	1408003-12RE1			
228	B140356	1408003-13RE1			
229	B140356	1408003-14RE1			
230	B140356	1408003-15RE1			
231	B140356	1408003-16RE1			
232	B140356	1408003-17RE1			
233	B140356	1408003-18RE1			
5		SEQ-CCVB			1412025
10		SEQ-CCBB			
234	B140297	B140297-BLK1	5x	M	
235	B140297	B140297-BLK2	5x	M	
236	B140297	B140297-BLK3	5x	M	
237	B140297	B140297-BLK4	5x	M	
238	B140297	B140297-BS1	5x	M	
239	B140297	B140297-SRM1	5x	M	
240	B140297	1331056-14	5x	M	
241	B140297	B140297-MS2	5x	M	
242	B140297	1331059-01RE1	5x	M	
5		SEQ-CCVC			1412025
10		SEQ-CCBC			
243	B140297	B140297-DUP1	5x	M	

244	B140297	B140297-DUP2	5x	M	
245	B140297	1331059-02RE1	5x	M	
246	B140297	B140297-DUP3	5x	M	
247	B140297	B140297-DUP4	5x	M	
248	B140297	1333012-60RE3	5x	M	
249	B140297	1333012-61RE1	5x	M	
250	B140297	B140297-DUP5	5x	M	
251	B140297	B140297-MS1	5x	M	
252	B140297	B140297-MSD1	5x	M	
5		SEQ-CCVD			1412025
10		SEQ-CCBD			
253	B140379	B140379-BLK1	10x	A	
254	B140379	B140379-BLK2	10x	A	
255	B140379	B140379-BLK3	10x	A	
256	B140379	B140379-BLK4	10x	A	
257	B140379	B140379-SRM1	10x	A	
258	B140379	B140379-SRM2	10x	A	
5		SEQ-CCVE			1412025
10		SEQ-CCBE			
259	B140379	B140379-BS1	10x	A	MDL1
260	B140379	B140379-BS2	10x	A	MDL2
301	B140379	B140379-BS3	10x	A	MDL3
302	B140379	B140379-BS4	10x	A	MDL4
303	B140379	B140379-BS5	10x	A	MDL5
304	B140379	B140379-BS6	10x	A	MDL6
305	B140379	B140379-BS7	10x	A	MDL7
306	B140379	B140379-BS8	10x	A	MDL8
5		SEQ-CCVF			1412025
10		SEQ-CCBF			
307	B140379	B140379-BSD	10x	A	LOD1
308	B140379	B140379-BSE	10x	A	LOD2
309	B140379	B140379-BSF	10x	A	LOD3
310	B140379	B140379-BS9	10x	A	LOQ1
311	B140379	B140379-BSA	10x	A	LOQ2
312	B140379	B140379-BSB	10x	A	LOQ3
313	B140379	B140379-BSC	10x	A	LOQ4
5		SEQ-CCVG			1412025
10		SEQ-CCBG			
314	B140292	B140292-BS1	10x	A	Shares MB/SRMs w/B140379
315	B140292	1408020-01	10x	A	
316	B140292	B140292-DUP1	10x	A	
317	B140292	B140292-MS1	10x	A	
318	B140292	B140292-MSD1	10x	A	
319	B140292	1408020-02	10x	A	
320	B140292	1408020-03	10x	A	
321	B140292	1408020-04	10x	A	
322	B140292	1408020-05	10x	A	
6020		SEQ-CCVH			1412027
9		SEQ-CCBH			
323	B140292	1408020-06	10x	A	
324	B140292	1408020-07	10x	A	
325	B140292	1408020-08	10x	A	

326	B140292	1408020-09	10x	A	
327	B140292	B140292-DUP2	10x	A	
328	B140292	B140292-MS2	10x	A	
329	B140292	B140292-MSD2	10x	A	
330	B140292	1408020-10	10x	A	
331	B140292	1408020-11	10x	A	
6020		SEQ-CCVI			1412027
9		SEQ-CCBI			
332	B140292	1408020-12	10x	A	
333	B140292	B140292-DUP3	10x	A	
334	B140292	B140292-MS3	10x	A	
335	B140292	B140292-MSD3	10x	A	
336	B140292	1408020-13	10x	A	
337	B140292	1408020-14	10x	A	
338	B140292	1408020-15	10x	A	
339	B140292	1408020-16	10x	A	
340	B140292	1408020-17	10x	A	
341	B140292	1408020-18	10x	A	
6020		SEQ-CCVJ			1412027
9		SEQ-CCBJ			
342	B140292	1408020-19	10x	A	
343	B140292	1408020-20	10x	A	
344	B140292	1408020-21	10x	A	
345	B140292	1408020-22	10x	A	
346	B140292	1408020-23	10x	A	
347	B140292	1408020-24	10x	A	
348	B140292	B140292-DUP4	10x	A	
349	B140292	B140292-MS4	10x	A	
350	B140292	B140292-MSD4	10x	A	
3020		SEQ-CCVK			1412027
9		SEQ-CCBK			
351	B140292	1408011-01	10x	A	
352	B140292	1408011-02	10x	A	
353	B140292	1408011-03	10x	A	
354	B140292	1408011-04	10x	A	
355	B140292	1408011-05	10x	A	
356	B140292	1408011-06	10x	A	
357	B140292	1408011-07	10x	A	
358	B140292	1408011-08	10x	A	
3020		SEQ-CCVL			1412027
9		SEQ-CCBL			
1		rinse			
1		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 #: B140292, 295, 357, 397 Prepared By: NM Preparation Date and Time*: 3-8-14 11:20

Matrix: Biota Balance ID: BL-03 Date and Time of Finished Preparation: 3-10-14 10:11

* Time is when the first reagents are added.

Sample ID	Sample Mass (g)	Notes
BLK1	---	
BLK2	---	
BLK3	---	
BLK4	---	
BS1	---	
3-7-14 NM ~~BS2~~		
SRM1	0.247	
SRM2	0.251	
1408020-01	0.519	
B140292-DUP1	0.518	1408020-01
-MS1	0.500	
-MSD1	0.514	
1408020-02	0.506	
-03	0.524	
-04	0.528	
-05	0.512	
-06	0.520	
-07	0.525	
-08	0.511	
-09	0.501	
B140292 3-7-14 NM ~~1408020~~ DUP2	0.506	1408020-09
B140292-MS2	0.501	
-MSD2	0.524	
1408020-10	0.520	

Sample ID	Sample Mass (g)	Notes
1408020-11	0.509	
-12	0.497	
B140292-DUP3	0.492	1408020-12
-MS3	0.493	
-MSD3	0.521	
1408020-13	0.521	
-14	0.496	
-15	0.525	
~~B140292-DUP4~~	~~0.504~~	~~1408020-15~~
~~-MS4~~	~~0.511~~	3-7-14 NM
~~-MSD4~~	~~0.504~~	
1408020-16	0.497	
-17	0.534	
-18	0.495	
-19	0.509	
-20	0.535	
-21	0.499	
-22	0.491	
-23	0.497	
-24	0.517	
B140292-DUP4	0.524	1408020-24
-MS4	0.508	
-MSD4	0.502	
1408011-01	0.507	Sample exhausted

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
SEE	ATTACHED			N/A
CLE	3/11/14			digested/spiked on Sat. no one else was in the lab 3-10-14 NM

Reagents Added (ID/Amount Added)
0.1mL H2O2 1350057
10mL HNO3 1406040

Target Hotblock Temperature = 100 °C
HotBlock Temperature*, Time On / Time Off, Date
100°C 102°C 11:40 3-8-14
15:10 3-8-14

Therm. ID: TM-05 TM-01 Hotblock ID: HB-02 HB-01
* Both measured and corrected temperatures must be recorded.

Environ. Express tube lot #: 1308077

Final Dilution Volume 40 mL

SRM-Matrix, LIMS ID #
SRM 1/3 DORM-4 1329003
SRM 2/4 TORT-3 1327017

Comments:

Trace Metals Method BR-0070 Rev 003 6 (ICP-MS)

Biota Preparation by HotBlock Digestion

Digestion by: HNO_3 / H_2O_2

Batch #: B140292
B140295
B140357
B140397 IDOC

Sample ID	Sample Mass (g)	Notes
1408011-02	0.510	
-03	0.558	sample exhausted
-04	0.491	
B140292-DUP5	0.484	Hg Only
1408011-05	0.540	Sample exhausted
-06	0.301	
-07	0.536	
-08	0.531	sample exhausted
B140292-MS5	0.537	Hg Only
-MSD5	0.558	
1402033-04REC2	0.496	
MDL-1		
-2		
-3		
-4		
-5		
-6		
-7		
-8		
LDQ-1		
-2		
-3		
-4		
LOD-1		
-2		
-3		
SRM-3	0.256	DORM-4
SRM-4	0.258	TORT-3

Sample ID	Sample Mass (g)	Notes

B140292, 0295, 0357
biotas

Samples spiked: BS1, MS/D1-4

Spike mix ID: 1411016

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
Al	8.000	40.000	0.4000	1000	1410046
As DRC	0.400	2.000	0.2000	**100**	1347037
Ba	1.600	8.000	0.8000	**100**	1338018
Be	0.900	4.500	0.4500	**100**	1338020
Cd	0.200	1.000	0.1000	**100**	1338023
Co	1.600	8.000	0.8000	**100**	1351036
Cr DRC	1.500	7.500	0.7500	**100**	1351038
Cu	1.600	8.000	0.8000	**100**	1351040
Fe DRC	50.000	250.000	0.2500	**10000**	1345003
Mn	0.400	2.000	0.2000	**100**	1351046
Mo	0.300	1.500	0.1500	**100**	1351048
Pb	0.400	2.000	0.2000	**100**	1351050
Se DRC	1.500	7.500	0.7500	**100**	1338030
Tl	0.080	0.400	0.4000	**10**	1410013
V DRC	1.800	9.000	0.9000	**100**	1338035
Zn	10.000	50.000	0.5000	1000	1351031

3.0.14 mL Add ~~2.35mL~~ 2% HNO3 2.1 mL 2% HNO3

Fake spike ID: 1411017

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

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

Hg spike: 0.100 mL of 1350014 (1000 ng/mL THg)
BS2, MS/MSD5

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\NexIONData\Wizard\SmartTune\BRprepFAST-SmartTune Monthly.swz

Start Time: 1/20/2014 2:05:08 PM
End Time: 1/20/2014 2:08:59 PM

Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (9.0122/9.075), Target/Obtained resolution (0.7/0.694)
Target/Obtained mass (23.985/24.025), Target/Obtained resolution (0.7/0.693)
Target/Obtained mass (75.93/75.975), Target/Obtained resolution (0.7/0.685)
Target/Obtained mass (114.904/114.975), Target/Obtained resolution (0.7/0.690)
Target/Obtained mass (139.905/139.925), Target/Obtained resolution (0.7/0.706)
Target/Obtained mass (207.977/207.925), Target/Obtained resolution (0.7/0.694)

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SmartTune Wizard - Details

```
Optimization Details

SmartTune file: C:\NexIONData\Wizard\SmartTune\BRprepFAST-SmartTune Monthly.swz

Optimization Status

Start Time: 1/20/2014 2:05:08 PM

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 (0.7/0.694)
                Target/Obtained mass (23.985/24.025), Target/Obtained resolution (0.7/0.693)
                Target/Obtained mass (75.93/75.975), Target/Obtained resolution (0.7/0.685)
                Target/Obtained mass (114.904/114.975), Target/Obtained resolution (0.7/0.690)
                Target/Obtained mass (139.905/139.925), Target/Obtained resolution (0.7/0.706)
                Target/Obtained mass (207.977/207.925), Target/Obtained resolution (0.7/0.694)
[Passed]  Optimum value(s): N/A

End Time: 1/20/2014 2:08:59 PM
```


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Sample Information

Report Title: QUANTITATIVE ANALYSIS REPORT
Batch ID:
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010
Tuning File: C:\NexIONData\MassCal\Default.tun
Optimization File: C:\NexIONData\Conditions\Default.dac
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Calibration Type: External Calibration

Calibration

	Analyte	Mass	Curve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
⌈	Be	9	Weighted Linear	0.001	0.000	0.999221	0.150000
|	Mg	24	Weighted Linear	0.012	0.013	0.999419	15.000000
|	Al	27	Weighted Linear	0.018	0.003	0.999710	1.000000
|	Ca	44	Weighted Linear	0.001	0.001	0.999681	30.000000
|>	Sc	45	Weighted Linear				
|	Cr	52	Weighted Linear	0.015	0.000	0.998803	0.150000
|	Cr	53	Weighted Linear	0.002	0.000	0.999515	0.150000
|	Mn	55	Weighted Linear	0.020	0.000	0.999648	0.050000
⌊	Co	59	Weighted Linear	0.017	0.000	0.999395	0.100000
⌈	Cu	65	Weighted Linear	0.004	0.000	0.999042	0.100000
|	Cu	63	Weighted Linear	0.009	0.000	0.999634	0.100000
|	Zn	66	Weighted Linear	0.002	0.000	0.999886	0.200000
|	Zn	68	Weighted Linear	0.001	0.000	0.999825	0.200000
|>	Ge	74	Weighted Linear				
⌊	As	75	Weighted Linear	0.002	0.000	0.999837	0.250000
⌈	Se	77	Weighted Linear	0.000	0.000	0.998751	0.300000
|	Se	82	Weighted Linear	0.000	0.000	0.999076	0.300000
|	Mo	98	Weighted Linear	0.003	0.000	0.999821	0.030000
|	Ag	107	Weighted Linear	0.007	0.000	0.998421	0.020000
|	Ag	109	Weighted Linear	0.009	0.000	0.999232	0.020000
|	Cd	111	Weighted Linear	0.002	0.000	0.999548	0.010000
|	Cd	114	Weighted Linear	0.005	-0.000	0.998209	0.010000
|>	In	115	Weighted Linear				
|	Sn	120	Weighted Linear	0.008	0.000	0.998980	0.150000
|	Sb	121	Weighted Linear	0.006	0.000	0.998726	0.020000
⌊	Ba	138	Weighted Linear	0.019	0.000	0.999667	0.050000
⌈>	Tm	169	Weighted Linear				
|	Tl	205	Weighted Linear	0.017	0.000	0.998891	0.010000
⌊	Pb	208	Weighted Linear	0.022	0.000	0.998466	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: Tuesday, March 11, 2014 13:21:29
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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		3	2	78.1			ug/L
ê	Mg	24		661	3	0.4			ug/L
ê	Al	27		2548	150	5.9			ug/L
ê	Ca	44		5230	17	0.3			ug/L
ê>	Sc	45		889352	27296	3.1			ug/L
ê	Cr	52		11493	164	1.4			ug/L
ê	Cr	53		47	12	25.7			ug/L
ê	Mn	55		672	15	2.3			ug/L
ë	Co	59		50	12	24.7			ug/L
é	Cu	65		13	2	15.4			ug/L
ê	Cu	63		35	8	21.7			ug/L
ê	Zn	66		51	13	24.6			ug/L
ê	Zn	68		507	18	3.6			ug/L
ê>	Ge	74		828838	12006	1.4			ug/L
ë	As	75		-114	25	22.0			ug/L
é	Se	77		89	8	8.5			ug/L
ê	Se	82		3	1	37.1			ug/L
ê	Mo	98		9	1	10.7			ug/L
ê	Ag	107		5	2	39.0			ug/L
ê	Ag	109		3	2	66.7			ug/L
ê	Cd	111		4	2	35.3			ug/L
ê	Cd	114		23	6	26.6			ug/L
ê>	In	115		1790947	13627	0.8			ug/L
ê	Sn	120		169	8	4.5			ug/L
ê	Sb	121		4	2	35.3			ug/L
ë	Ba	138		53	5	8.8			ug/L
é>	Tm	169		1556599	7992	0.5			ug/L
ê	Tl	205		8	3	32.8			ug/L
ë	Pb	208		191	10	5.3			ug/L
	C	13		22146	367	1.7			ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44
>	Sc	45
	Cr	52
	Cr	53
	Mn	55
	Co	59
	Cu	65
	Cu	63
	Zn	66
	Zn	68
>	Ge	74
	As	75
	Se	77
	Se	82
	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

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL1

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 11, 2014 13:24:41
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2020

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CAL1.011
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	199	22	11.0	0.000224	**0.1501**	ug/L
ê	Mg	24	661	171653	3392	2.0	0.195669	**14.8790**	ug/L
ê	Al	27	2548	20585	197	1.0	0.020691	**1.0021**	ug/L
ê	Ca	44	5230	22525	343	1.5	0.019892	**29.7728**	ug/L
ê>	Sc	45	889352	874006	13279	1.5	874005.859832		ug/L
ê	Cr	52	11493	13809	324	2.3	0.002878	**0.1573**	ug/L
ê	Cr	53	47	294	17	5.8	0.000284	**0.1471**	ug/L
ê	Mn	55	672	1543	22	1.4	0.001010	**0.0492**	ug/L
ë	Co	59	50	1646	33	2.0	0.001827	**0.0993**	ug/L
é	Cu	65	13	362	8	2.1	0.000423	**0.0968**	ug/L
ê	Cu	63	35	806	30	3.7	0.000934	**0.0991**	ug/L
ê	Zn	66	51	352	18	5.1	0.000365	**0.1996**	ug/L
ê	Zn	68	507	730	15	2.1	0.000273	**0.1976**	ug/L
ê>	Ge	74	828838	825957	12744	1.5	825957.487566		ug/L
ë	As	75	-114	325	38	11.8	0.000532	**0.2527**	ug/L
é	Se	77	89	127	9	7.0	0.000022	**0.2901**	ug/L
ê	Se	82	3	60	12	19.5	0.000032	**0.2911**	ug/L
ê	Mo	98	9	215	11	4.9	0.000116	**0.0304**	ug/L
ê	Ag	107	5	269	11	4.1	0.000148	**0.0195**	ug/L
ê	Ag	109	3	322	7	2.1	0.000179	**0.0198**	ug/L
ê	Cd	111	4	44	8	17.8	0.000022	**0.0100**	ug/L
ê	Cd	114	23	97	14	14.4	0.000042	**0.0094**	ug/L
ê>	In	115	1790947	1782267	36586	2.1	1782267.127294		ug/L
ê	Sn	120	169	2525	196	7.8	0.001321	**0.1465**	ug/L
ê	Sb	121	4	247	25	10.1	0.000136	**0.0209**	ug/L
ë	Ba	138	53	1764	34	1.9	0.000961	**0.0501**	ug/L
é>	Tm	169	1556599	1546304	3857	0.2	1546303.930618		ug/L
ê	Tl	205	8	286	19	6.8	0.000180	**0.0098**	ug/L
ë	Pb	208	191	1105	26	2.4	0.000592	**0.0241**	ug/L
	C	13	22146	22181	307	1.4	35.053374		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44
>	Sc	45
	Cr	52
	Cr	53
	Mn	55
	Co	59
	Cu	65
	Cu	63
	Zn	66
	Zn	68
>	Ge	74
	As	75
	Se	77
	Se	82
	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

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL2

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 11, 2014 13:27:53
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2010

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CAL2.012
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	381	11	2.8	0.000429	**0.2972**	ug/L
ê	Mg	24	661	343394	1128	0.3	0.388223	**30.5394**	ug/L
ê	Al	27	2548	36527	635	1.7	0.038509	**1.9974**	ug/L
ê	Ca	44	5230	39957	266	0.7	0.039379	**60.9838**	ug/L
ê>	Sc	45	889352	882853	5290	0.6	882852.585320		ug/L
ê	Cr	52	11493	15504	255	1.6	0.004638	**0.2710**	ug/L
ê	Cr	53	47	557	23	4.1	0.000578	**0.3118**	ug/L
ê	Mn	55	672	2517	87	3.4	0.002096	**0.1031**	ug/L
ë	Co	59	50	3250	37	1.1	0.003625	**0.2029**	ug/L
é	Cu	65	13	774	43	5.6	0.000919	**0.2137**	ug/L
ê	Cu	63	35	1599	40	2.5	0.001888	**0.2036**	ug/L
ê	Zn	66	51	658	32	4.8	0.000732	**0.4021**	ug/L
ê	Zn	68	507	959	25	2.6	0.000545	**0.4108**	ug/L
ê>	Ge	74	828838	828917	4593	0.6	828917.043256		ug/L
ë	As	75	-114	741	79	10.7	0.001032	**0.4917**	ug/L
é	Se	77	89	168	21	12.7	0.000045	**0.6485**	ug/L
ê	Se	82	3	123	8	6.9	0.000068	**0.6427**	ug/L
ê	Mo	98	9	387	25	6.4	0.000214	**0.0587**	ug/L
ê	Ag	107	5	563	33	5.8	0.000315	**0.0419**	ug/L
ê	Ag	109	3	641	9	1.5	0.000360	**0.0408**	ug/L
ê	Cd	111	4	79	6	6.9	0.000042	**0.0199**	ug/L
ê	Cd	114	23	207	6	3.0	0.000104	**0.0222**	ug/L
ê>	In	115	1790947	1771022	20837	1.2	1771022.499972		ug/L
ê	Sn	120	169	5009	254	5.1	0.002735	**0.3168**	ug/L
ê	Sb	121	4	416	16	3.8	0.000232	**0.0370**	ug/L
ë	Ba	138	53	3408	98	2.9	0.001896	**0.1003**	ug/L
é>	Tm	169	1556599	1541188	13586	0.9	1541188.284445		ug/L
ê	Tl	205	8	572	25	4.4	0.000366	**0.0207**	ug/L
ë	Pb	208	191	2104	37	1.8	0.001243	**0.0533**	ug/L
	C	13	22146	22036	26	0.1	-110.173292		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44
>	Sc	45
	Cr	52
	Cr	53
	Mn	55
	Co	59
	Cu	65
	Cu	63
	Zn	66
	Zn	68
>	Ge	74
	As	75
	Se	77
	Se	82
	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

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL3

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 11, 2014 13:31:05
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2002

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CAL3.013
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1819	84	4.6	0.002028	**1.4457**	ug/L
ê	Mg	24	661	1651455	5376	0.3	1.842765	**148.8367**	ug/L
ê	Al	27	2548	162207	3270	2.0	0.178222	**9.8018**	ug/L
ê	Ca	44	5230	171019	1376	0.8	0.185031	**294.2682**	ug/L
ê>	Sc	45	889352	895917	10049	1.1	895917.382318		ug/L
ê	Cr	52	11493	32378	671	2.1	0.023220	**1.4716**	ug/L
ê	Cr	53	47	2441	55	2.3	0.002672	**1.4835**	ug/L
ê	Mn	55	672	9623	179	1.9	0.009986	**0.4945**	ug/L
ë	Co	59	50	15406	408	2.6	0.017142	**0.9821**	ug/L
é	Cu	65	13	3402	118	3.5	0.004140	**0.9733**	ug/L
ê	Cu	63	35	7411	136	1.8	0.009010	**0.9837**	ug/L
ê	Zn	66	51	2982	35	1.2	0.003582	**1.9713**	ug/L
ê	Zn	68	507	2576	111	4.3	0.002535	**1.9703**	ug/L
ê>	Ge	74	828838	818848	23337	2.8	818847.741138		ug/L
ë	As	75	-114	4076	212	5.2	0.005116	**2.4445**	ug/L
é	Se	77	89	417	20	4.7	0.000183	**2.7823**	ug/L
ê	Se	82	3	523	21	3.9	0.000291	**2.8424**	ug/L
ê	Mo	98	9	1836	32	1.7	0.001022	**0.2929**	ug/L
ê	Ag	107	5	2664	60	2.2	0.001487	**0.1993**	ug/L
ê	Ag	109	3	3069	89	2.9	0.001715	**0.1984**	ug/L
ê	Cd	111	4	383	25	6.6	0.000212	**0.1025**	ug/L
ê	Cd	114	23	903	57	6.3	0.000492	**0.1018**	ug/L
ê>	In	115	1790947	1787725	20806	1.2	1787724.792495		ug/L
ê	Sn	120	169	21340	523	2.5	0.011843	**1.4140**	ug/L
ê	Sb	121	4	2052	72	3.5	0.001145	**0.1896**	ug/L
ë	Ba	138	53	16226	282	1.7	0.009048	**0.4839**	ug/L
é>	Tm	169	1556599	1572639	10793	0.7	1572639.471705		ug/L
ê	Tl	205	8	2782	80	2.9	0.001764	**0.1027**	ug/L
ë	Pb	208	191	9145	118	1.3	0.005693	**0.2527**	ug/L
	C	13	22146	21660	217	1.0	-485.745948		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44
>	Sc	45
	Cr	52
	Cr	53
	Mn	55
	Co	59
	Cu	65
	Cu	63
	Zn	66
	Zn	68
>	Ge	74
	As	75
	Se	77
	Se	82
	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

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL4

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 11, 2014 13:34:17
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2001

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CAL4.014
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3694	20	0.5	0.004160	**2.9777**	ug/L
ê	Mg	24	661	3250657	9608	0.3	3.662672	**296.8489**	ug/L
ê	Al	27	2548	325401	1242	0.4	0.363855	**20.1713**	ug/L
ê	Ca	44	5230	343498	3235	0.9	0.381239	**608.5234**	ug/L
ê>	Sc	45	889352	887402	8638	1.0	887401.514750		ug/L
ê	Cr	52	11493	54254	499	0.9	0.048222	**3.0871**	ug/L
ê	Cr	53	47	4893	8	0.2	0.005462	**3.0451**	ug/L
ê	Mn	55	672	18787	371	2.0	0.020416	**1.0119**	ug/L
ë	Co	59	50	31553	136	0.4	0.035503	**2.0406**	ug/L
é	Cu	65	13	7079	113	1.6	0.008581	**2.0204**	ug/L
ê	Cu	63	35	15367	353	2.3	0.018620	**2.0361**	ug/L
ê	Zn	66	51	6132	141	2.3	0.007384	**4.0651**	ug/L
ê	Zn	68	507	4720	112	2.4	0.005120	**3.9962**	ug/L
ê>	Ge	74	828838	823610	13655	1.7	823610.129477		ug/L
ë	As	75	-114	8332	104	1.3	0.010256	**4.9021**	ug/L
é	Se	77	89	777	31	4.0	0.000385	**5.8920**	ug/L
ê	Se	82	3	1059	50	4.7	0.000592	**5.8076**	ug/L
ê	Mo	98	9	3719	11	0.3	0.002078	**0.5987**	ug/L
ê	Ag	107	5	5279	117	2.2	0.002954	**0.3963**	ug/L
ê	Ag	109	3	6082	12	0.2	0.003405	**0.3950**	ug/L
ê	Cd	111	4	777	18	2.3	0.000433	**0.2102**	ug/L
ê	Cd	114	23	1816	25	1.4	0.001004	**0.2067**	ug/L
ê>	In	115	1790947	1785527	5556	0.3	1785526.886303		ug/L
ê	Sn	120	169	42771	269	0.6	0.023860	**2.8616**	ug/L
ê	Sb	121	4	4178	8	0.2	0.002338	**0.3889**	ug/L
ë	Ba	138	53	32539	241	0.7	0.018194	**0.9745**	ug/L
é>	Tm	169	1556599	1552007	4143	0.3	1552006.846012		ug/L
ê	Tl	205	8	5496	104	1.9	0.003536	**0.2067**	ug/L
ë	Pb	208	191	18150	208	1.1	0.011572	**0.5162**	ug/L
	C	13	22146	21533	242	1.1	-613.271582		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44
>	Sc	45
	Cr	52
	Cr	53
	Mn	55
	Co	59
	Cu	65
	Cu	63
	Zn	66
	Zn	68
>	Ge	74
	As	75
	Se	77
	Se	82
	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

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL5

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 11, 2014 13:37:29
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3020

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CAL5.015
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1273	40	3.1	0.001439	**1.0226**	ug/L
ê	Mg	24	661	22363884	587877	2.6	25.338267	**2059.7157**	ug/L
ê	Al	27	2548	8067471	97942	1.2	9.138884	**510.3457**	ug/L
ê	Ca	44	5230	1151406	8868	0.8	1.298868	**2078.2438**	ug/L
ê>	Sc	45	889352	882627	11457	1.3	882627.495933		ug/L
ê	Cr	52	11493	361985	5887	1.6	0.397192	**25.6350**	ug/L
ê	Cr	53	47	40390	35	0.1	0.045713	**25.5729**	ug/L
ê	Mn	55	672	456999	4413	1.0	0.517031	**25.6480**	ug/L
ë	Co	59	50	79751	746	0.9	0.090309	**5.2002**	ug/L
é	Cu	65	13	35728	204	0.6	0.043724	**10.3066**	ug/L
ê	Cu	63	35	77105	809	1.0	0.094350	**10.3302**	ug/L
ê	Zn	66	51	74622	1833	2.5	0.091266	**50.2573**	ug/L
ê	Zn	68	507	52967	1782	3.4	0.064200	**50.3017**	ug/L
ê>	Ge	74	828838	817124	20378	2.5	817123.667061		ug/L
ë	As	75	-114	17230	86	0.5	0.021231	**10.1494**	ug/L
é	Se	77	89	1244	17	1.3	0.000658	**10.0800**	ug/L
ê	Se	82	3	1838	12	0.6	0.001044	**10.2695**	ug/L
ê	Mo	98	9	30963	612	2.0	0.017605	**5.0956**	ug/L
ê	Ag	107	5	28073	300	1.1	0.015965	**2.1434**	ug/L
ê	Ag	109	3	32044	919	2.9	0.018225	**2.1190**	ug/L
ê	Cd	111	4	3573	67	1.9	0.002030	**0.9885**	ug/L
ê	Cd	114	23	8508	229	2.7	0.004826	**0.9904**	ug/L
ê>	In	115	1790947	1758104	15838	0.9	1758104.124879		ug/L
ê	Sn	120	169	38401	264	0.7	0.021750	**2.6074**	ug/L
ê	Sb	121	4	10962	149	1.4	0.006233	**1.0400**	ug/L
ë	Ba	138	53	819675	18523	2.3	0.466166	**25.0015**	ug/L
é>	Tm	169	1556599	1552649	2451	0.2	1552648.741840		ug/L
ê	Tl	205	8	13726	239	1.7	0.008835	**0.5177**	ug/L
ë	Pb	208	191	90428	1610	1.8	0.058118	**2.6025**	ug/L
	C	13	22146	21920	171	0.8	-225.683465		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44
>	Sc	45
	Cr	52
	Cr	53
	Mn	55
	Co	59
	Cu	65
	Cu	63
	Zn	66
	Zn	68
>	Ge	74
	As	75
	Se	77
	Se	82
	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

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL6

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 11, 2014 13:40:41
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3010

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CAL6.016
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2586	62	2.4	0.002983	**2.1321**	ug/L
ê	Mg	24	661	44709931	765445	1.7	51.637450	**4198.6168**	ug/L
ê	Al	27	2548	16078684	193274	1.2	18.564862	**1036.8823**	ug/L
ê	Ca	44	5230	2181779	33037	1.5	2.513932	**4024.3519**	ug/L
ê>	Sc	45	889352	865987	12806	1.5	865987.019637		ug/L
ê	Cr	52	11493	695118	16616	2.4	0.789915	**51.0099**	ug/L
ê	Cr	53	47	79078	1564	2.0	0.091266	**51.0677**	ug/L
ê	Mn	55	672	883792	2968	0.3	1.019919	**50.5954**	ug/L
ë	Co	59	50	154995	2735	1.8	0.178962	**10.3111**	ug/L
é	Cu	65	13	70066	330	0.5	0.087068	**20.5266**	ug/L
ê	Cu	63	35	149369	2464	1.6	0.185577	**20.3215**	ug/L
ê	Zn	66	51	148965	1473	1.0	0.185092	**101.9254**	ug/L
ê	Zn	68	507	105489	1581	1.5	0.130505	**102.2696**	ug/L
ê>	Ge	74	828838	804725	13332	1.7	804724.970077		ug/L
ë	As	75	-114	34024	501	1.5	0.042421	**20.2801**	ug/L
é	Se	77	89	2433	40	1.6	0.001341	**20.6001**	ug/L
ê	Se	82	3	3559	96	2.7	0.002034	**20.0275**	ug/L
ê	Mo	98	9	61663	1440	2.3	0.035252	**10.2064**	ug/L
ê	Ag	107	5	54358	1350	2.5	0.031080	**4.1731**	ug/L
ê	Ag	109	3	61759	1081	1.7	0.035312	**4.1067**	ug/L
ê	Cd	111	4	7198	79	1.1	0.004113	**2.0038**	ug/L
ê	Cd	114	23	16989	52	0.3	0.009701	**1.9899**	ug/L
ê>	In	115	1790947	1748923	7684	0.4	1748922.587841		ug/L
ê	Sn	120	169	74484	1418	1.9	0.042493	**5.1062**	ug/L
ê	Sb	121	4	21639	374	1.7	0.012370	**2.0660**	ug/L
ë	Ba	138	53	1627252	13755	0.8	0.930400	**49.9008**	ug/L
é>	Tm	169	1556599	1553220	7888	0.5	1553220.267300		ug/L
ê	Tl	205	8	26808	553	2.1	0.017256	**1.0119**	ug/L
ë	Pb	208	191	176502	2137	1.2	0.113519	**5.0857**	ug/L
	C	13	22146	22007	79	0.4	-139.551730		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44
>	Sc	45
	Cr	52
	Cr	53
	Mn	55
	Co	59
	Cu	65
	Cu	63
	Zn	66
	Zn	68
>	Ge	74
	As	75
	Se	77
	Se	82
	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

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL7

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 11, 2014 13:43:53
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3002

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CAL7.017
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	12117	204	1.7	0.014016	**10.0577**	ug/L
ê	Mg	24	661	207604610	2382087	1.1	240.233783	**19537.0748**	ug/L
ê	Al	27	2548	75374697	816849	1.1	87.218373	**4871.8776**	ug/L
ê	Ca	44	5230	10493632	54916	0.5	12.137098	**19437.2936**	ug/L
ê>	Sc	45	889352	864479	21024	2.4	864478.578765		ug/L
ê	Cr	52	11493	3337655	6972	0.2	3.849596	**248.7044**	ug/L
ê	Cr	53	47	375180	6046	1.6	0.434029	**242.9056**	ug/L
ê	Mn	55	672	4292414	74892	1.7	4.965179	**246.3122**	ug/L
ë	Co	59	50	726320	12558	1.7	0.840226	**48.4331**	ug/L
é	Cu	65	13	316448	6841	2.2	0.409089	**96.4550**	ug/L
ê	Cu	63	35	689588	7664	1.1	0.891496	**97.6345**	ug/L
ê	Zn	66	51	692178	5275	0.8	0.894798	**492.7466**	ug/L
ê	Zn	68	507	487911	7294	1.5	0.630200	**493.9158**	ug/L
ê>	Ge	74	828838	773506	3763	0.5	773506.237579		ug/L
ë	As	75	-114	162904	2588	1.6	0.210736	**100.7531**	ug/L
é	Se	77	89	11021	254	2.3	0.006462	**99.4384**	ug/L
ê	Se	82	3	17251	265	1.5	0.010193	**100.4946**	ug/L
ê	Mo	98	9	289375	3176	1.1	0.170993	**49.5188**	ug/L
ê	Ag	107	5	239985	4419	1.8	0.141813	**19.0427**	ug/L
ê	Ag	109	3	285997	4398	1.5	0.169002	**19.6583**	ug/L
ê	Cd	111	4	33496	176	0.5	0.019790	**9.6430**	ug/L
ê	Cd	114	23	78908	539	0.7	0.046615	**9.5580**	ug/L
ê>	In	115	1790947	1692395	10946	0.6	1692395.106821		ug/L
ê	Sn	120	169	351975	2872	0.8	0.207891	**25.0309**	ug/L
ê	Sb	121	4	102617	487	0.5	0.060634	**10.1344**	ug/L
ë	Ba	138	53	7948260	50448	0.6	4.696570	**251.9003**	ug/L
é>	Tm	169	1556599	1548049	17530	1.1	1548049.485907		ug/L
ê	Tl	205	8	126231	172	0.1	0.081545	**4.7846**	ug/L
ë	Pb	208	191	821200	7460	0.9	0.530384	**23.7701**	ug/L
	C	13	22146	21627	460	2.1	-519.459807		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44
>	Sc	45
	Cr	52
	Cr	53
	Mn	55
	Co	59
	Cu	65
	Cu	63
	Zn	66
	Zn	68
>	Ge	74
	As	75
	Se	77
	Se	82
	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

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL8

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 11, 2014 13:47:05
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3001

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CAL8.018
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	22394	330	1.5	0.026685	**19.1591**	ug/L
ê	Mg	24	661	392919580	7702151	2.0	468.220088	**38079.1021**	ug/L
ê	Al	27	2548	147011469	1831726	1.2	175.164778	**9784.5768**	ug/L
ê	Ca	44	5230	20525534	250115	1.2	24.451134	**39160.0680**	ug/L
ê>	Sc	45	889352	839357	13364	1.6	839357.321395		ug/L
ê	Cr	52	11493	6489621	48202	0.7	7.719513	**498.7504**	ug/L
ê	Cr	53	47	719815	15313	2.1	0.857824	**480.0954**	ug/L
ê	Mn	55	672	8119575	143670	1.8	9.674773	**479.9462**	ug/L
ë	Co	59	50	1384072	13069	0.9	1.649225	**95.0721**	ug/L
é	Cu	65	13	601774	5912	1.0	0.813419	**191.7908**	ug/L
ê	Cu	63	35	1301470	7917	0.6	1.759287	**192.6759**	ug/L
ê	Zn	66	51	1323233	5486	0.4	1.788736	**985.0210**	ug/L
ê	Zn	68	507	929589	13819	1.5	1.255850	**984.2812**	ug/L
ê>	Ge	74	828838	739916	15703	2.1	739915.588406		ug/L
ë	As	75	-114	312782	3759	1.2	0.422923	**202.2015**	ug/L
é	Se	77	89	21171	266	1.3	0.013129	**202.0677**	ug/L
ê	Se	82	3	32901	366	1.1	0.020480	**201.9511**	ug/L
ê	Mo	98	9	556912	12789	2.3	0.346729	**100.4141**	ug/L
ê	Ag	107	5	441096	3998	0.9	0.274590	**36.8726**	ug/L
ê	Ag	109	3	519153	1053	0.2	0.323195	**37.5949**	ug/L
ê	Cd	111	4	64376	556	0.9	0.040074	**19.5275**	ug/L
ê	Cd	114	23	149803	493	0.3	0.093246	**19.1186**	ug/L
ê>	In	115	1790947	1606361	10716	0.7	1606361.064153		ug/L
ê	Sn	120	169	670480	9005	1.3	0.417331	**50.2609**	ug/L
ê	Sb	121	4	197175	1361	0.7	0.122751	**20.5186**	ug/L
ë	Ba	138	53	15663320	88722	0.6	9.751305	**523.0121**	ug/L
é>	Tm	169	1556599	1516586	18598	1.2	1516586.083213		ug/L
ê	Tl	205	8	238461	2682	1.1	0.157236	**9.2266**	ug/L
ë	Pb	208	191	1553510	14513	0.9	1.024249	**45.9058**	ug/L
	C	13	22146	21001	221	1.1	-1145.062595		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44
>	Sc	45
	Cr	52
	Cr	53
	Mn	55
	Co	59
	Cu	65
	Cu	63
	Zn	66
	Zn	68
>	Ge	74
	As	75
	Se	77
	Se	82
	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

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB2

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 11, 2014 13:50:18
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB2.019
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	4	4	103.3	0.000001	**-0.0101**	ug/L
ê	Mg	24	661	22042	35590	161.5	0.024178	**0.9318**	ug/L
ê	Al	27	2548	9834	11214	114.0	0.008270	**0.3083**	ug/L
ê	Ca	44	5230	6119	1493	24.4	0.001058	**-0.3925**	ug/L
ê>	Sc	45	889352	881327	7234	0.8	881326.746056		ug/L
ê	Cr	52	11493	12479	468	3.7	0.001235	**0.0512**	ug/L
ê	Cr	53	47	89	53	59.0	0.000049	**0.0155**	ug/L
ê	Mn	55	672	934	413	44.2	0.000304	**0.0142**	ug/L
ë	Co	59	50	87	86	98.6	0.000042	**-0.0037**	ug/L
é	Cu	65	13	34	37	109.8	0.000025	**0.0030**	ug/L
ê	Cu	63	35	117	75	64.0	0.000098	**0.0076**	ug/L
ê	Zn	66	51	79	40	50.0	0.000033	**0.0172**	ug/L
ê	Zn	68	507	554	20	3.7	0.000053	**0.0252**	ug/L
ê>	Ge	74	828838	833407	7881	0.9	833406.837310		ug/L
ë	As	75	-114	-125	27	21.6	-0.000012	**-0.0074**	ug/L
é	Se	77	89	96	4	4.2	0.000005	**0.0289**	ug/L
ê	Se	82	3	4	10	236.5	0.000001	**-0.0178**	ug/L
ê	Mo	98	9	36	9	25.4	0.000015	**0.0013**	ug/L
ê	Ag	107	5	19	12	61.7	0.000008	**0.0007**	ug/L
ê	Ag	109	3	13	9	63.8	0.000006	**-0.0004**	ug/L
ê	Cd	111	4	4	1	13.3	0.000000	**-0.0007**	ug/L
ê	Cd	114	23	24	10	42.2	0.000001	**0.0011**	ug/L
ê>	In	115	1790947	1755068	8044	0.5	1755068.348826		ug/L
ê	Sn	120	169	273	151	55.2	0.000061	**-0.0053**	ug/L
ê	Sb	121	4	79	54	68.4	0.000043	**0.0053**	ug/L
ë	Ba	138	53	2506	4189	167.1	0.001398	**0.0736**	ug/L
é>	Tm	169	1556599	1550686	12155	0.8	1550686.260266		ug/L
ê	Tl	205	8	29	39	137.0	0.000014	**0.0000**	ug/L
ë	Pb	208	191	301	194	64.4	0.000071	**0.0008**	ug/L
	C	13	22146	21070	308	1.5	-1076.627526		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	99.098
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	100.551
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	97.997
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	99.620
	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: Tuesday, March 11, 2014 14:08:18
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 4

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICV1.020
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1235	92	7.4	0.001376	**0.9778**	ug/L
ê	Mg	24	661	2212652	43238	2.0	2.472239	**200.0315**	ug/L
ê	Al	27	2548	828144	14375	1.7	0.922711	**51.3891**	ug/L
ê	Ca	44	5230	562361	10576	1.9	0.622781	**995.3894**	ug/L
ê>	Sc	45	889352	894734	13389	1.5	894733.889011		ug/L
ê	Cr	52	11493	186234	3936	2.1	0.195270	**12.5883**	ug/L
ê	Cr	53	47	20235	336	1.7	0.022569	**12.6197**	ug/L
ê	Mn	55	672	44904	294	0.7	0.049437	**2.4516**	ug/L
ë	Co	59	50	39128	402	1.0	0.043685	**2.5123**	ug/L
é	Cu	65	13	17692	403	2.3	0.021458	**5.0567**	ug/L
ê	Cu	63	35	38517	341	0.9	0.046689	**5.1103**	ug/L
ê	Zn	66	51	7684	62	0.8	0.009262	**5.0991**	ug/L
ê	Zn	68	507	6001	53	0.9	0.006670	**5.2110**	ug/L
ê>	Ge	74	828838	824336	15833	1.9	824335.606649		ug/L
ë	As	75	-114	9118	231	2.5	0.011202	**5.3543**	ug/L
é	Se	77	89	1252	49	3.9	0.000657	**10.0749**	ug/L
ê	Se	82	3	1795	27	1.5	0.001012	**9.9515**	ug/L
ê	Mo	98	9	3024	115	3.8	0.001702	**0.4898**	ug/L
ê	Ag	107	5	11657	253	2.2	0.006577	**0.8828**	ug/L
ê	Ag	109	3	13514	30	0.2	0.007628	**0.8862**	ug/L
ê	Cd	111	4	1760	67	3.8	0.000991	**0.4822**	ug/L
ê	Cd	114	23	4199	87	2.1	0.002357	**0.4842**	ug/L
ê>	In	115	1790947	1771656	27214	1.5	1771656.316350		ug/L
ê	Sn	120	169	38559	642	1.7	0.021670	**2.5978**	ug/L
ê	Sb	121	4	10807	28	0.3	0.006098	**1.0176**	ug/L
ë	Ba	138	53	81774	907	1.1	0.046130	**2.4728**	ug/L
é>	Tm	169	1556599	1555135	18651	1.2	1555135.467538		ug/L
ê	Tl	205	8	6722	92	1.4	0.004318	**0.2526**	ug/L
ë	Pb	208	191	88415	443	0.5	0.056737	**2.5406**	ug/L
	C	13	22146	22273	228	1.0	126.861742		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	100.605
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	99.457
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	98.923
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	99.906
	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: Tuesday, March 11, 2014 14:23:01
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB3.021
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	1	86.6	-0.000001	**-0.0120**	ug/L
ê	Mg	24	661	1003	389	38.8	0.000396	**-1.0024**	ug/L
ê	Al	27	2548	36290	50431	139.0	0.038485	**1.9961**	ug/L
ê	Ca	44	5230	5551	41	0.7	0.000424	**-1.4079**	ug/L
ê>	Sc	45	889352	880464	3159	0.4	880464.007818		ug/L
ê	Cr	52	11493	12069	47	0.4	0.000784	**0.0220**	ug/L
ê	Cr	53	47	55	8	13.5	0.000011	**-0.0059**	ug/L
ê	Mn	55	672	675	37	5.5	0.000012	**-0.0003**	ug/L
ë	Co	59	50	52	10	18.8	0.000003	**-0.0059**	ug/L
é	Cu	65	13	19	14	70.6	0.000008	**-0.0011**	ug/L
ê	Cu	63	35	54	32	58.7	0.000024	**-0.0005**	ug/L
ê	Zn	66	51	172	175	101.7	0.000147	**0.0800**	ug/L
ê	Zn	68	507	611	146	24.0	0.000128	**0.0835**	ug/L
ê>	Ge	74	828838	828966	14290	1.7	828965.667342		ug/L
ë	As	75	-114	-100	38	38.0	0.000017	**0.0066**	ug/L
é	Se	77	89	81	12	14.5	-0.000004	**-0.1034**	ug/L
ê	Se	82	3	5	13	234.2	0.000002	**-0.0121**	ug/L
ê	Mo	98	9	12	4	35.4	0.000002	**-0.0025**	ug/L
ê	Ag	107	5	8	2	30.1	0.000001	**-0.0002**	ug/L
ê	Ag	109	3	3	3	100.0	0.000000	**-0.0010**	ug/L
ê	Cd	111	4	5	3	52.9	0.000000	**-0.0006**	ug/L
ê	Cd	114	23	23	5	22.6	0.000000	**0.0009**	ug/L
ê>	In	115	1790947	1757654	5323	0.3	1757654.132228		ug/L
ê	Sn	120	169	352	148	41.9	0.000106	**0.0001**	ug/L
ê	Sb	121	4	51	49	96.8	0.000027	**0.0026**	ug/L
ë	Ba	138	53	121	115	95.2	0.000039	**0.0007**	ug/L
é>	Tm	169	1556599	1540067	16490	1.1	1540066.508569		ug/L
ê	Tl	205	8	2	2	65.5	-0.000003	**-0.0010**	ug/L
ë	Pb	208	191	176	4	2.0	-0.000008	**-0.0028**	ug/L
	C	13	22146	22428	574	2.6	281.776946		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	99.001
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	100.015
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	98.141
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	98.938
	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: Tuesday, March 11, 2014 14:30:27
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 101

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-IBL1.022
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	50.0	-0.000001	**-0.0114**	ug/L
ê	Mg	24	661	601	14	2.3	-0.000042	**-1.0380**	ug/L
ê	Al	27	2548	3116	84	2.7	0.000772	**-0.1105**	ug/L
ê	Ca	44	5230	5058	63	1.3	0.000024	**-2.0492**	ug/L
ê>	Sc	45	889352	856590	12084	1.4	856589.700831		ug/L
ê	Cr	52	11493	11654	146	1.3	0.000684	**0.0155**	ug/L
ê	Cr	53	47	47	10	21.4	0.000003	**-0.0101**	ug/L
ê	Mn	55	672	633	14	2.2	-0.000016	**-0.0017**	ug/L
ë	Co	59	50	40	2	5.2	-0.000009	**-0.0066**	ug/L
é	Cu	65	13	13	4	27.7	-0.000000	**-0.0030**	ug/L
ê	Cu	63	35	35	11	31.8	0.000001	**-0.0030**	ug/L
ê	Zn	66	51	61	8	12.8	0.000013	**0.0059**	ug/L
ê	Zn	68	507	532	16	3.0	0.000037	**0.0126**	ug/L
ê>	Ge	74	828838	819690	8398	1.0	819689.516725		ug/L
ë	As	75	-114	-109	26	24.3	0.000005	**0.0009**	ug/L
é	Se	77	89	88	17	19.0	0.000000	**-0.0420**	ug/L
ê	Se	82	3	7	10	142.8	0.000002	**-0.0032**	ug/L
ê	Mo	98	9	11	0	3.7	0.000001	**-0.0028**	ug/L
ê	Ag	107	5	5	2	32.7	-0.000000	**-0.0004**	ug/L
ê	Ag	109	3	7	2	20.8	0.000002	**-0.0008**	ug/L
ê	Cd	111	4	4	2	43.3	-0.000000	**-0.0008**	ug/L
ê	Cd	114	23	23	3	14.8	0.000000	**0.0009**	ug/L
ê>	In	115	1790947	1770041	5708	0.3	1770040.782013		ug/L
ê	Sn	120	169	99	1	0.6	-0.000039	**-0.0173**	ug/L
ê	Sb	121	4	16	7	42.5	0.000006	**-0.0008**	ug/L
ë	Ba	138	53	52	2	4.0	0.000000	**-0.0014**	ug/L
é>	Tm	169	1556599	1566283	7562	0.5	1566282.505772		ug/L
ê	Tl	205	8	4	1	13.3	-0.000002	**-0.0009**	ug/L
ë	Pb	208	191	188	8	4.1	-0.000003	**-0.0026**	ug/L
	C	13	22146	21204	199	0.9	-941.762830		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	96.316
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	98.896
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	98.833
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	100.622
	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: Tuesday, March 11, 2014 14:33:39
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 102

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-IBL2.023
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3	2	57.3	0.000000	**-0.0109**	ug/L
ê	Mg	24	661	587	12	2.1	-0.000061	**-1.0396**	ug/L
ê	Al	27	2548	2887	108	3.7	0.000491	**-0.1262**	ug/L
ê	Ca	44	5230	5040	45	0.9	-0.000021	**-2.1211**	ug/L
ê>	Sc	45	889352	860212	5369	0.6	860212.096462		ug/L
ê	Cr	52	11493	11951	247	2.1	0.000969	**0.0340**	ug/L
ê	Cr	53	47	51	7	14.1	0.000006	**-0.0083**	ug/L
ê	Mn	55	672	610	44	7.2	-0.000046	**-0.0032**	ug/L
ë	Co	59	50	39	6	15.8	-0.000012	**-0.0068**	ug/L
é	Cu	65	13	10	2	20.1	-0.000003	**-0.0036**	ug/L
ê	Cu	63	35	36	3	8.4	0.000003	**-0.0028**	ug/L
ê	Zn	66	51	75	9	11.5	0.000030	**0.0154**	ug/L
ê	Zn	68	507	560	3	0.6	0.000076	**0.0430**	ug/L
ê>	Ge	74	828838	815363	5900	0.7	815363.416718		ug/L
ë	As	75	-114	-135	62	45.6	-0.000028	**-0.0148**	ug/L
é	Se	77	89	92	18	19.4	0.000002	**-0.0038**	ug/L
ê	Se	82	3	9	5	57.1	0.000003	**0.0064**	ug/L
ê	Mo	98	9	11	2	20.5	0.000001	**-0.0028**	ug/L
ê	Ag	107	5	10	1	5.6	0.000003	**0.0000**	ug/L
ê	Ag	109	3	5	2	44.6	0.000001	**-0.0009**	ug/L
ê	Cd	111	4	5	2	44.6	0.000000	**-0.0006**	ug/L
ê	Cd	114	23	22	2	9.2	-0.000000	**0.0008**	ug/L
ê>	In	115	1790947	1765752	26678	1.5	1765752.105609		ug/L
ê	Sn	120	169	74	10	13.1	-0.000052	**-0.0189**	ug/L
ê	Sb	121	4	8	3	37.5	0.000002	**-0.0015**	ug/L
ë	Ba	138	53	45	2	4.5	-0.000004	**-0.0016**	ug/L
é>	Tm	169	1556599	1561295	7506	0.5	1561295.325630		ug/L
ê	Tl	205	8	5	1	20.0	-0.000002	**-0.0009**	ug/L
ë	Pb	208	191	182	9	4.8	-0.000006	**-0.0027**	ug/L
	C	13	22146	20917	191	0.9	-1229.186166		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	96.723
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	98.374
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	98.593
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	100.302
	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: Tuesday, March 11, 2014 14:36:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 103

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-IBL3.024
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	49.5	-0.000000	**-0.0111**	ug/L
ê	Mg	24	661	1014	39	3.8	0.000454	**-0.9977**	ug/L
ê	Al	27	2548	2708	58	2.1	0.000332	**-0.1351**	ug/L
ê	Ca	44	5230	5035	114	2.3	0.000065	**-1.9833**	ug/L
ê>	Sc	45	889352	846943	8020	0.9	846943.198485		ug/L
ê	Cr	52	11493	11625	102	0.9	0.000804	**0.0233**	ug/L
ê	Cr	53	47	40	9	21.6	-0.000005	**-0.0145**	ug/L
ê	Mn	55	672	616	17	2.8	-0.000028	**-0.0023**	ug/L
ë	Co	59	50	45	11	23.6	-0.000003	**-0.0063**	ug/L
é	Cu	65	13	10	2	23.9	-0.000004	**-0.0038**	ug/L
ê	Cu	63	35	37	5	13.5	0.000004	**-0.0027**	ug/L
ê	Zn	66	51	84	2	2.1	0.000042	**0.0222**	ug/L
ê	Zn	68	507	545	14	2.6	0.000063	**0.0328**	ug/L
ê>	Ge	74	828838	808240	13515	1.7	808239.733919		ug/L
ë	As	75	-114	-139	52	37.2	-0.000035	**-0.0181**	ug/L
é	Se	77	89	97	8	8.1	0.000005	**0.0403**	ug/L
ê	Se	82	3	6	12	197.9	0.000002	**-0.0082**	ug/L
ê	Mo	98	9	10	4	38.1	0.000001	**-0.0029**	ug/L
ê	Ag	107	5	6	2	24.1	0.000001	**-0.0003**	ug/L
ê	Ag	109	3	6	4	63.8	0.000002	**-0.0008**	ug/L
ê	Cd	111	4	4	4	110.2	-0.000000	**-0.0009**	ug/L
ê	Cd	114	23	26	2	9.4	0.000002	**0.0013**	ug/L
ê>	In	115	1790947	1755904	24369	1.4	1755903.946178		ug/L
ê	Sn	120	169	84	10	11.9	-0.000046	**-0.0182**	ug/L
ê	Sb	121	4	9	4	48.0	0.000003	**-0.0015**	ug/L
ë	Ba	138	53	46	8	17.6	-0.000003	**-0.0015**	ug/L
é>	Tm	169	1556599	1539439	13880	0.9	1539438.697055		ug/L
ê	Tl	205	8	6	2	36.7	-0.000001	**-0.0009**	ug/L
ë	Pb	208	191	191	5	2.4	0.000001	**-0.0024**	ug/L
	C	13	22146	21028	201	1.0	-1118.023056		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	95.231
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	97.515
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	98.043
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	98.898
	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: Tuesday, March 11, 2014 14:40:03
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 104

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-IBL4.025
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3	2	57.3	0.000000	**-0.0109**	ug/L
ê	Mg	24	661	582	36	6.1	-0.000069	**-1.0402**	ug/L
ê	Al	27	2548	2832	160	5.7	0.000418	**-0.1303**	ug/L
ê	Ca	44	5230	4980	16	0.3	-0.000111	**-2.2653**	ug/L
ê>	Sc	45	889352	863107	5968	0.7	863106.920039		ug/L
ê	Cr	52	11493	11456	328	2.9	0.000352	**-0.0059**	ug/L
ê	Cr	53	47	42	9	22.4	-0.000004	**-0.0142**	ug/L
ê	Mn	55	672	634	29	4.5	-0.000020	**-0.0019**	ug/L
ë	Co	59	50	39	6	14.5	-0.000011	**-0.0067**	ug/L
é	Cu	65	13	13	4	31.9	-0.000000	**-0.0030**	ug/L
ê	Cu	63	35	34	7	20.2	-0.000001	**-0.0032**	ug/L
ê	Zn	66	51	69	2	3.0	0.000023	**0.0116**	ug/L
ê	Zn	68	507	536	31	5.8	0.000044	**0.0177**	ug/L
ê>	Ge	74	828838	819074	6364	0.8	819073.680933		ug/L
ë	As	75	-114	-112	5	4.4	0.000002	**-0.0007**	ug/L
é	Se	77	89	87	7	7.8	0.000000	**-0.0404**	ug/L
ê	Se	82	3	12	7	59.9	0.000005	**0.0239**	ug/L
ê	Mo	98	9	13	4	30.6	0.000002	**-0.0024**	ug/L
ê	Ag	107	5	7	3	39.4	0.000001	**-0.0002**	ug/L
ê	Ag	109	3	8	2	27.7	0.000003	**-0.0007**	ug/L
ê	Cd	111	4	4	0	0.0	-0.000000	**-0.0008**	ug/L
ê	Cd	114	23	23	2	6.8	0.000000	**0.0010**	ug/L
ê>	In	115	1790947	1747024	14575	0.8	1747024.351282		ug/L
ê	Sn	120	169	84	18	21.4	-0.000046	**-0.0182**	ug/L
ê	Sb	121	4	6	1	20.4	0.000001	**-0.0017**	ug/L
ë	Ba	138	53	54	10	17.7	0.000002	**-0.0013**	ug/L
é>	Tm	169	1556599	1552404	20928	1.3	1552403.742169		ug/L
ê	Tl	205	8	7	3	45.8	-0.000001	**-0.0008**	ug/L
ë	Pb	208	191	174	23	13.2	-0.000010	**-0.0029**	ug/L
	C	13	22146	21035	215	1.0	-1111.012618		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	97.049
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	98.822
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	97.548
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	99.730
	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: Tuesday, March 11, 2014 14:43:15
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 105

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-SCV1.026
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3305	42	1.3	0.003703	**13.2454**	ug/L
ê	Mg	24	661	17038991	245134	1.4	19.101421	**7762.3785**	ug/L
ê	Al	27	2548	475784	4728	1.0	0.530582	**147.4237**	ug/L
ê	Ca	44	5230	3328026	45623	1.4	3.725215	**29822.0137**	ug/L
ê>	Sc	45	889352	892032	16133	1.8	892032.266803		ug/L
ê	Cr	52	11493	67100	1872	2.8	0.062308	**19.9861**	ug/L
ê	Cr	53	47	6745	65	1.0	0.007512	**20.9611**	ug/L
ê	Mn	55	672	135245	2914	2.2	0.150855	**37.4138**	ug/L
ë	Co	59	50	81579	196	0.2	0.091418	**26.3209**	ug/L
é	Cu	65	13	15436	133	0.9	0.018829	**22.1833**	ug/L
ê	Cu	63	35	34032	503	1.5	0.041505	**22.7125**	ug/L
ê	Zn	66	51	25007	443	1.8	0.030468	**83.8837**	ug/L
ê	Zn	68	507	22768	232	1.0	0.027185	**106.4504**	ug/L
ê>	Ge	74	828838	819121	1832	0.2	819121.160949		ug/L
ë	As	75	-114	18837	232	1.2	0.023135	**55.2985**	ug/L
é	Se	77	89	368	7	1.8	0.000154	**11.6682**	ug/L
ê	Se	82	3	442	26	5.9	0.000243	**11.8622**	ug/L
ê	Mo	98	9	145916	2493	1.7	0.080897	**117.1292**	ug/L
ê	Ag	107	5	2682	59	2.2	0.001484	**0.9947**	ug/L
ê	Ag	109	3	3034	64	2.1	0.001681	**0.9724**	ug/L
ê	Cd	111	4	4562	60	1.3	0.002527	**6.1530**	ug/L
ê	Cd	114	23	10935	213	1.9	0.006050	**6.2063**	ug/L
ê>	In	115	1790947	1803533	11181	0.6	1803533.414613		ug/L
ê	Sn	120	169	150	9	6.1	-0.000011	**-0.0701**	ug/L
ê	Sb	121	4	124278	1981	1.6	0.068906	**57.5858**	ug/L
ë	Ba	138	53	3449607	11183	0.3	1.912699	**512.9334**	ug/L
é>	Tm	169	1556599	1587613	7318	0.5	1587612.819983		ug/L
ê	Tl	205	8	39491	746	1.9	0.024869	**7.2932**	ug/L
ë	Pb	208	191	138135	983	0.7	0.086885	**19.4594**	ug/L
	C	13	22146	26836	398	1.5	4690.030687		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	100.301
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	98.828
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	100.703
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	101.992
	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: Tuesday, March 11, 2014 14:49:45
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 106

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-SCV2.027
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	4	2	41.7	0.000001	**-0.0498**	ug/L
ê	Mg	24	661	22235223	261961	1.2	26.705396	**10854.5183**	ug/L
ê	Al	27	2548	24925	454	1.8	0.027074	**6.7935**	ug/L
ê	Ca	44	5230	5397623	27354	0.5	6.476868	**51857.9337**	ug/L
ê>	Sc	45	889352	832617	4903	0.6	832616.899703		ug/L
ê	Cr	52	11493	12143	453	3.7	0.001663	**0.3940**	ug/L
ê	Cr	53	47	941	23	2.4	0.001078	**2.9571**	ug/L
ê	Mn	55	672	882	14	1.6	0.000304	**0.0711**	ug/L
ë	Co	59	50	226	16	7.2	0.000214	**0.0313**	ug/L
é	Cu	65	13	253	6	2.5	0.000300	**0.3386**	ug/L
ê	Cu	63	35	430	24	5.6	0.000495	**0.2553**	ug/L
ê	Zn	66	51	267	12	4.4	0.000271	**0.7410**	ug/L
ê	Zn	68	507	638	22	3.5	0.000185	**0.6425**	ug/L
ê>	Ge	74	828838	802111	17183	2.1	802111.139673		ug/L
ë	As	75	-114	-62	54	87.1	0.000059	**0.1340**	ug/L
é	Se	77	89	130	4	3.4	0.000024	**1.6661**	ug/L
ê	Se	82	3	16	7	45.7	0.000007	**0.2296**	ug/L
ê	Mo	98	9	11	4	38.6	0.000002	**-0.0134**	ug/L
ê	Ag	107	5	8	2	27.2	0.000001	**-0.0009**	ug/L
ê	Ag	109	3	5	2	34.6	0.000001	**-0.0045**	ug/L
ê	Cd	111	4	25	4	16.4	0.000012	**0.0256**	ug/L
ê	Cd	114	23	74	7	9.7	0.000029	**0.0345**	ug/L
ê>	In	115	1790947	1750859	18497	1.1	1750859.195424		ug/L
ê	Sn	120	169	80	7	8.8	-0.000049	**-0.0926**	ug/L
ê	Sb	121	4	57	4	6.3	0.000030	**0.0158**	ug/L
ë	Ba	138	53	8628	110	1.3	0.004899	**1.3068**	ug/L
é>	Tm	169	1556599	1535097	10177	0.7	1535096.877762		ug/L
ê	Tl	205	8	12	1	9.9	0.000003	**-0.0032**	ug/L
ë	Pb	208	191	382	17	4.4	0.000126	**0.0161**	ug/L
	C	13	22146	22526	432	1.9	380.261739		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	93.621
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	96.775
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	97.762
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	98.619
	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:
Batch ID:

Sample Date/Time: Tuesday, March 11, 2014 14:52:57
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 107

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-SCV3.028
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	4570	167	3.6	0.005564	**3.9865**	ug/L
ê	Mg	24	661	7864909	89366	1.1	9.583688	**778.4026**	ug/L
ê	Al	27	2548	2895756	62364	2.2	3.526117	**196.8158**	ug/L
ê	Ca	44	5230	4838894	108730	2.2	5.891464	**9433.9748**	ug/L
ê>	Sc	45	889352	820688	11640	1.4	820687.849248		ug/L
ê	Cr	52	11493	628796	2300	0.4	0.753338	**48.6466**	ug/L
ê	Cr	53	47	70558	506	0.7	0.085931	**48.0819**	ug/L
ê	Mn	55	672	156397	1295	0.8	0.189847	**9.4170**	ug/L
ë	Co	59	50	141516	2338	1.7	0.172426	**9.9343**	ug/L
é	Cu	65	13	62546	796	1.3	0.080369	**18.9470**	ug/L
ê	Cu	63	35	134841	2017	1.5	0.173260	**18.9725**	ug/L
ê	Zn	66	51	28943	587	2.0	0.037139	**20.4505**	ug/L
ê	Zn	68	507	21110	374	1.8	0.026518	**20.7671**	ug/L
ê>	Ge	74	828838	778208	8461	1.1	778207.778090		ug/L
ë	As	75	-114	34464	397	1.2	0.044430	**21.2409**	ug/L
é	Se	77	89	4630	83	1.8	0.002629	**40.4340**	ug/L
ê	Se	82	3	6984	39	0.6	0.004040	**39.8115**	ug/L
ê	Mo	98	9	10634	407	3.8	0.006149	**1.7777**	ug/L
ê	Ag	107	5	42446	605	1.4	0.024563	**3.2980**	ug/L
ê	Ag	109	3	49729	721	1.4	0.028772	**3.3459**	ug/L
ê	Cd	111	4	6744	89	1.3	0.003900	**1.8997**	ug/L
ê	Cd	114	23	16115	532	3.3	0.009309	**1.9094**	ug/L
ê>	In	115	1790947	1728529	31612	1.8	1728528.653418		ug/L
ê	Sn	120	169	141137	1201	0.9	0.081569	**9.8135**	ug/L
ê	Sb	121	4	41988	226	0.5	0.024294	**4.0594**	ug/L
ë	Ba	138	53	307925	2369	0.8	0.178142	**9.5533**	ug/L
é>	Tm	169	1556599	1509348	15713	1.0	1509347.703204		ug/L
ê	Tl	205	8	24690	411	1.7	0.016354	**0.9590**	ug/L
ë	Pb	208	191	329975	1945	0.6	0.218521	**9.7920**	ug/L
	C	13	22146	21590	650	3.0	-555.843194		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	92.279
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	93.891
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	96.515
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	96.964
	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: Tuesday, March 11, 2014 14:56:09
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 0.05
Autosampler Position: 108

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-IFA1.029
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3	1	21.7	0.000000	**-2.1846**	ug/L
ê	Mg	24	661	25979194	308854	1.2	29.802763	**484562.2412**	ug/L
ê	Al	27	2548	37451319	522948	1.4	42.960238	**479922.3260**	ug/L
ê	Ca	44	5230	1341083	6625	0.5	1.532689	**490548.8015**	ug/L
ê>	Sc	45	889352	871729	11811	1.4	871728.733186		ug/L
ê	Cr	52	11493	11008	257	2.3	-0.000295	**-9.5474**	ug/L
ê	Cr	53	47	844	41	4.8	0.000916	**100.1389**	ug/L
ê	Mn	55	672	1348	57	4.2	0.000792	**7.6809**	ug/L
ë	Co	59	50	769	3	0.3	0.000826	**8.3051**	ug/L
é	Cu	65	13	210	8	3.9	0.000244	**10.9076**	ug/L
ê	Cu	63	35	639	28	4.4	0.000749	**15.7822**	ug/L
ê	Zn	66	51	287	16	5.5	0.000293	**32.0699**	ug/L
ê	Zn	68	507	571	5	0.9	0.000095	**11.5621**	ug/L
ê>	Ge	74	828838	808484	19235	2.4	808484.365844		ug/L
ë	As	75	-114	-48	58	122.4	0.000079	**7.2063**	ug/L
é	Se	77	89	124	12	9.7	0.000021	**55.0128**	ug/L
ê	Se	82	3	6	1	17.5	0.000002	**-2.0899**	ug/L
ê	Mo	98	9	299959	2698	0.9	0.170805	**9892.8527**	ug/L
ê	Ag	107	5	137	13	9.1	0.000075	**1.9468**	ug/L
ê	Ag	109	3	153	17	11.2	0.000085	**1.7770**	ug/L
ê	Cd	111	4	277	25	9.1	0.000155	**14.9772**	ug/L
ê	Cd	114	23	531	17	3.3	0.000289	**12.0369**	ug/L
ê>	In	115	1790947	1756305	26910	1.5	1756304.532542		ug/L
ê	Sn	120	169	118	21	17.6	-0.000027	**-3.1837**	ug/L
ê	Sb	121	4	282	11	3.9	0.000158	**4.9186**	ug/L
ë	Ba	138	53	5746	81	1.4	0.003243	**34.5155**	ug/L
é>	Tm	169	1556599	1550180	12081	0.8	1550180.499837		ug/L
ê	Tl	205	8	101	6	5.7	0.000060	**0.5517**	ug/L
ë	Pb	208	191	359	32	8.9	0.000109	**0.4910**	ug/L
	C	13	22146	24964	434	1.7	2817.975286		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	98.018
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	97.544
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	98.066
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	99.588
	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: Tuesday, March 11, 2014 14:59:21
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 0.05
Autosampler Position: 109

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-IFB1.030
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	1	86.6	-0.000001	**-2.4011**	ug/L
ê	Mg	24	661	25742630	201696	0.8	29.787205	**484309.1696**	ug/L
ê	Al	27	2548	37078722	317869	0.9	42.901393	**479264.9025**	ug/L
ê	Ca	44	5230	1331063	18803	1.4	1.534481	**491122.8479**	ug/L
ê>	Sc	45	889352	864230	8799	1.0	864229.735798		ug/L
ê	Cr	52	11493	17611	201	1.1	0.007454	**90.5956**	ug/L
ê	Cr	53	47	1629	70	4.3	0.001833	**202.7584**	ug/L
ê	Mn	55	672	9807	101	1.0	0.010593	**104.9200**	ug/L
ë	Co	59	50	15428	384	2.5	0.017798	**203.9957**	ug/L
é	Cu	65	13	1845	85	4.6	0.002240	**105.0328**	ug/L
ê	Cu	63	35	4203	61	1.5	0.005098	**111.0492**	ug/L
ê	Zn	66	51	1024	43	4.2	0.001190	**130.8200**	ug/L
ê	Zn	68	507	1060	36	3.4	0.000685	**104.0719**	ug/L
ê>	Ge	74	828838	817942	15065	1.8	817942.199422		ug/L
ë	As	75	-114	696	100	14.3	0.000988	**94.1901**	ug/L
é	Se	77	89	198	29	14.7	0.000064	**188.6827**	ug/L
ê	Se	82	3	90	25	27.7	0.000051	**94.2919**	ug/L
ê	Mo	98	9	302961	3050	1.0	0.174380	**10099.9270**	ug/L
ê	Ag	107	5	6513	195	3.0	0.003746	**100.5259**	ug/L
ê	Ag	109	3	7388	154	2.1	0.004251	**98.6932**	ug/L
ê	Cd	111	4	1088	22	2.0	0.000624	**60.6445**	ug/L
ê	Cd	114	23	2458	64	2.6	0.001402	**57.6634**	ug/L
ê>	In	115	1790947	1737524	19251	1.1	1737524.117479		ug/L
ê	Sn	120	169	119	18	14.9	-0.000026	**-3.1530**	ug/L
ê	Sb	121	4	286	16	5.6	0.000162	**5.0421**	ug/L
ë	Ba	138	53	261	25	9.6	0.000121	**1.0198**	ug/L
é>	Tm	169	1556599	1552686	17014	1.1	1552685.768338		ug/L
ê	Tl	205	8	11	5	45.3	0.000002	**-0.1296**	ug/L
ë	Pb	208	191	453	29	6.3	0.000169	**1.0254**	ug/L
	C	13	22146	24895	190	0.8	2748.851271		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	97.175
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	98.685
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	97.017
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	99.749
	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: Tuesday, March 11, 2014 15:02:34
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCV1.031
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3575	54	1.5	0.004111	**2.9420**	ug/L
ê	Mg	24	661	3203433	33633	1.0	3.683846	**298.5710**	ug/L
ê	Al	27	2548	320204	5732	1.8	0.365421	**20.2588**	ug/L
ê	Ca	44	5230	333453	2959	0.9	0.377680	**602.8235**	ug/L
ê>	Sc	45	889352	869509	15202	1.7	869508.664865		ug/L
ê	Cr	52	11493	52873	1367	2.6	0.047884	**3.0653**	ug/L
ê	Cr	53	47	4811	82	1.7	0.005481	**3.0556**	ug/L
ê	Mn	55	672	18710	358	1.9	0.020764	**1.0292**	ug/L
ë	Co	59	50	30675	368	1.2	0.035232	**2.0251**	ug/L
é	Cu	65	13	7052	77	1.1	0.008617	**2.0289**	ug/L
ê	Cu	63	35	15092	160	1.1	0.018433	**2.0157**	ug/L
ê	Zn	66	51	5999	60	1.0	0.007282	**4.0090**	ug/L
ê	Zn	68	507	4587	68	1.5	0.005003	**3.9047**	ug/L
ê>	Ge	74	828838	816923	4082	0.5	816922.770091		ug/L
ë	As	75	-114	8403	264	3.1	0.010424	**4.9821**	ug/L
é	Se	77	89	788	9	1.2	0.000401	**6.1305**	ug/L
ê	Se	82	3	1089	34	3.1	0.000622	**6.1080**	ug/L
ê	Mo	98	9	3720	55	1.5	0.002125	**0.6122**	ug/L
ê	Ag	107	5	5357	154	2.9	0.003063	**0.4110**	ug/L
ê	Ag	109	3	6131	182	3.0	0.003508	**0.4070**	ug/L
ê	Cd	111	4	733	17	2.3	0.000417	**0.2025**	ug/L
ê	Cd	114	23	1768	32	1.8	0.000999	**0.2058**	ug/L
ê>	In	115	1790947	1747024	17494	1.0	1747023.785158		ug/L
ê	Sn	120	169	42010	536	1.3	0.023956	**2.8732**	ug/L
ê	Sb	121	4	4266	76	1.8	0.002440	**0.4059**	ug/L
ë	Ba	138	53	32085	326	1.0	0.018337	**0.9821**	ug/L
é>	Tm	169	1556599	1536394	16870	1.1	1536394.490683		ug/L
ê	Tl	205	8	5468	168	3.1	0.003554	**0.2078**	ug/L
ë	Pb	208	191	18180	381	2.1	0.011709	**0.5224**	ug/L
	C	13	22146	21610	119	0.6	-535.822463		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	97.769
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	98.562
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	97.547
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	98.702
	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: Tuesday, March 11, 2014 15:05:47
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCB1.032
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	2	99.0	-0.000000	**-0.0112**	ug/L
ê	Mg	24	661	3529	4919	139.4	0.003300	**-0.7662**	ug/L
ê	Al	27	2548	5347	4654	87.0	0.003261	**0.0285**	ug/L
ê	Ca	44	5230	5346	210	3.9	0.000244	**-1.6970**	ug/L
ê>	Sc	45	889352	872900	2289	0.3	872900.258901		ug/L
ê	Cr	52	11493	11287	20	0.2	0.000007	**-0.0282**	ug/L
ê	Cr	53	47	70	15	21.1	0.000028	**0.0037**	ug/L
ê	Mn	55	672	665	27	4.1	0.000007	**-0.0006**	ug/L
ë	Co	59	50	47	12	24.8	-0.000003	**-0.0063**	ug/L
é	Cu	65	13	16	2	12.7	0.000004	**-0.0020**	ug/L
ê	Cu	63	35	34	6	16.4	-0.000001	**-0.0033**	ug/L
ê	Zn	66	51	56	5	8.5	0.000005	**0.0018**	ug/L
ê	Zn	68	507	497	20	4.1	-0.000014	**-0.0279**	ug/L
ê>	Ge	74	828838	833256	16932	2.0	833256.227744		ug/L
ë	As	75	-114	-146	19	13.1	-0.000037	**-0.0194**	ug/L
é	Se	77	89	93	13	13.7	0.000003	**-0.0024**	ug/L
ê	Se	82	3	-2	8	347.3	-0.000003	**-0.0550**	ug/L
ê	Mo	98	9	18	10	56.1	0.000005	**-0.0016**	ug/L
ê	Ag	107	5	7	3	37.7	0.000001	**-0.0003**	ug/L
ê	Ag	109	3	7	2	24.7	0.000002	**-0.0008**	ug/L
ê	Cd	111	4	1	0	0.0	-0.000002	**-0.0017**	ug/L
ê	Cd	114	23	19	2	12.9	-0.000002	**0.0005**	ug/L
ê>	In	115	1790947	1767434	16593	0.9	1767434.494398		ug/L
ê	Sn	120	169	159	19	11.9	-0.000004	**-0.0131**	ug/L
ê	Sb	121	4	9	5	53.3	0.000002	**-0.0015**	ug/L
ë	Ba	138	53	56	4	7.2	0.000002	**-0.0012**	ug/L
é>	Tm	169	1556599	1560099	11851	0.8	1560099.312270		ug/L
ê	Tl	205	8	6	3	44.4	-0.000001	**-0.0009**	ug/L
ë	Pb	208	191	184	25	13.6	-0.000005	**-0.0026**	ug/L
	C	13	22146	22335	257	1.2	188.958908		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	98.150
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	100.533
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	98.687
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	100.225
	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: Tuesday, March 11, 2014 15:37:04
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCV2.041
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3687	42	1.1	0.004279	**3.0627**	ug/L
ê	Mg	24	661	3232115	46411	1.4	3.752451	**304.1506**	ug/L
ê	Al	27	2548	321899	4201	1.3	0.370942	**20.5672**	ug/L
ê	Ca	44	5230	332553	5417	1.6	0.380243	**606.9292**	ug/L
ê>	Sc	45	889352	861238	9066	1.1	861238.029999		ug/L
ê	Cr	52	11493	51937	357	0.7	0.047390	**3.0333**	ug/L
ê	Cr	53	47	4819	89	1.9	0.005543	**3.0906**	ug/L
ê	Mn	55	672	18245	357	2.0	0.020428	**1.0125**	ug/L
ë	Co	59	50	30551	817	2.7	0.035422	**2.0360**	ug/L
é	Cu	65	13	6887	141	2.1	0.008462	**1.9922**	ug/L
ê	Cu	63	35	14823	277	1.9	0.018206	**1.9908**	ug/L
ê	Zn	66	51	5936	73	1.2	0.007245	**3.9887**	ug/L
ê	Zn	68	507	4666	118	2.5	0.005133	**4.0062**	ug/L
ê>	Ge	74	828838	812405	6445	0.8	812405.302348		ug/L
ë	As	75	-114	8343	263	3.2	0.010406	**4.9738**	ug/L
é	Se	77	89	771	9	1.2	0.000383	**5.8463**	ug/L
ê	Se	82	3	1082	52	4.8	0.000606	**5.9467**	ug/L
ê	Mo	98	9	3701	26	0.7	0.002071	**0.5968**	ug/L
ê	Ag	107	5	5297	110	2.1	0.002970	**0.3984**	ug/L
ê	Ag	109	3	6188	28	0.5	0.003471	**0.4027**	ug/L
ê	Cd	111	4	781	16	2.0	0.000436	**0.2116**	ug/L
ê	Cd	114	23	1791	10	0.5	0.000992	**0.2043**	ug/L
ê>	In	115	1790947	1782370	26798	1.5	1782370.131907		ug/L
ê	Sn	120	169	42692	66	0.2	0.023861	**2.8618**	ug/L
ê	Sb	121	4	4275	77	1.8	0.002396	**0.3987**	ug/L
ë	Ba	138	53	32729	466	1.4	0.018338	**0.9822**	ug/L
é>	Tm	169	1556599	1552934	5883	0.4	1552934.327513		ug/L
ê	Tl	205	8	5519	145	2.6	0.003549	**0.2075**	ug/L
ë	Pb	208	191	18321	297	1.6	0.011675	**0.5208**	ug/L
	C	13	22146	22130	148	0.7	-16.027436		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	96.839
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	98.017
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	99.521
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	99.765
	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: Tuesday, March 11, 2014 15:40:18
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCB2.042
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	50.0	-0.000001	**-0.0115**	ug/L
ê	Mg	24	661	1128	844	74.8	0.000563	**-0.9888**	ug/L
ê	Al	27	2548	2864	126	4.4	0.000425	**-0.1299**	ug/L
ê	Ca	44	5230	4951	123	2.5	-0.000193	**-2.3973**	ug/L
ê>	Sc	45	889352	870925	14949	1.7	870925.344918		ug/L
ê	Cr	52	11493	11062	119	1.1	-0.000218	**-0.0428**	ug/L
ê	Cr	53	47	49	8	16.1	0.000003	**-0.0099**	ug/L
ê	Mn	55	672	650	36	5.5	-0.000009	**-0.0013**	ug/L
ë	Co	59	50	48	5	11.0	-0.000002	**-0.0062**	ug/L
é	Cu	65	13	13	2	15.4	0.000000	**-0.0029**	ug/L
ê	Cu	63	35	35	4	11.8	0.000001	**-0.0030**	ug/L
ê	Zn	66	51	65	13	19.4	0.000018	**0.0087**	ug/L
ê	Zn	68	507	521	26	5.0	0.000020	**-0.0009**	ug/L
ê>	Ge	74	828838	824485	9690	1.2	824485.185465		ug/L
ë	As	75	-114	-139	19	13.8	-0.000031	**-0.0165**	ug/L
é	Se	77	89	95	6	6.3	0.000004	**0.0196**	ug/L
ê	Se	82	3	10	9	81.7	0.000004	**0.0153**	ug/L
ê	Mo	98	9	11	2	22.2	0.000001	**-0.0028**	ug/L
ê	Ag	107	5	5	1	20.0	-0.000000	**-0.0004**	ug/L
ê	Ag	109	3	5	2	28.6	0.000001	**-0.0009**	ug/L
ê	Cd	111	4	3	3	96.4	-0.000001	**-0.0010**	ug/L
ê	Cd	114	23	23	10	43.0	0.000000	**0.0009**	ug/L
ê>	In	115	1790947	1768242	16603	0.9	1768242.222481		ug/L
ê	Sn	120	169	132	16	12.5	-0.000019	**-0.0150**	ug/L
ê	Sb	121	4	10	1	5.6	0.000003	**-0.0013**	ug/L
ë	Ba	138	53	62	10	15.9	0.000006	**-0.0011**	ug/L
é>	Tm	169	1556599	1551267	18894	1.2	1551267.022762		ug/L
ê	Tl	205	8	8	1	12.5	0.000000	**-0.0008**	ug/L
ë	Pb	208	191	181	19	10.6	-0.000006	**-0.0027**	ug/L
	C	13	22146	21847	127	0.6	-299.129486		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	97.928
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	99.475
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	98.732
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	99.657
	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: Tuesday, March 11, 2014 16:12:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCV3.052
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3676	139	3.8	0.004329	**3.0987**	ug/L
ê	Mg	24	661	3252857	31300	1.0	3.830661	**310.5114**	ug/L
ê	Al	27	2548	320179	5420	1.7	0.374303	**20.7550**	ug/L
ê	Ca	44	5230	324411	3574	1.1	0.376221	**600.4872**	ug/L
ê>	Sc	45	889352	849036	10377	1.2	849036.034529		ug/L
ê	Cr	52	11493	50394	102	0.2	0.046438	**2.9718**	ug/L
ê	Cr	53	47	4751	94	2.0	0.005544	**3.0912**	ug/L
ê	Mn	55	672	18318	103	0.6	0.020823	**1.0321**	ug/L
ë	Co	59	50	30606	313	1.0	0.035997	**2.0692**	ug/L
é	Cu	65	13	6926	27	0.4	0.008651	**2.0368**	ug/L
ê	Cu	63	35	14901	318	2.1	0.018608	**2.0348**	ug/L
ê	Zn	66	51	5989	95	1.6	0.007434	**4.0925**	ug/L
ê	Zn	68	507	4630	56	1.2	0.005182	**4.0449**	ug/L
ê>	Ge	74	828838	799384	15397	1.9	799384.233604		ug/L
ë	As	75	-114	8300	76	0.9	0.010523	**5.0294**	ug/L
é	Se	77	89	778	14	1.7	0.000392	**5.9964**	ug/L
ê	Se	82	3	1096	28	2.5	0.000621	**6.1010**	ug/L
ê	Mo	98	9	3677	135	3.7	0.002085	**0.6006**	ug/L
ê	Ag	107	5	5329	36	0.7	0.003026	**0.4059**	ug/L
ê	Ag	109	3	5989	178	3.0	0.003403	**0.3948**	ug/L
ê	Cd	111	4	746	11	1.5	0.000422	**0.2047**	ug/L
ê	Cd	114	23	1762	21	1.2	0.000988	**0.2035**	ug/L
ê>	In	115	1790947	1759531	21205	1.2	1759531.396127		ug/L
ê	Sn	120	169	41951	404	1.0	0.023752	**2.8486**	ug/L
ê	Sb	121	4	4271	126	2.9	0.002425	**0.4035**	ug/L
ë	Ba	138	53	32944	256	0.8	0.018695	**1.0013**	ug/L
é>	Tm	169	1556599	1541979	12266	0.8	1541979.175000		ug/L
ê	Tl	205	8	5565	99	1.8	0.003604	**0.2107**	ug/L
ë	Pb	208	191	18463	99	0.5	0.011852	**0.5288**	ug/L
	C	13	22146	23201	319	1.4	1054.671155		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	95.467
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	96.446
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	98.246
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	99.061
	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: Tuesday, March 11, 2014 16:16:03
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCB3.053
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	34.6	-0.000001	**-0.0117**	ug/L
ê	Mg	24	661	1165	329	28.2	0.000631	**-0.9833**	ug/L
ê	Al	27	2548	3534	854	24.2	0.001306	**-0.0807**	ug/L
ê	Ca	44	5230	4716	15	0.3	-0.000320	**-2.5996**	ug/L
ê>	Sc	45	889352	848133	7992	0.9	848133.447793		ug/L
ê	Cr	52	11493	10647	61	0.6	-0.000369	**-0.0525**	ug/L
ê	Cr	53	47	90	28	31.4	0.000053	**0.0181**	ug/L
ê	Mn	55	672	674	36	5.4	0.000039	**0.0011**	ug/L
ë	Co	59	50	37	4	9.7	-0.000013	**-0.0068**	ug/L
é	Cu	65	13	18	4	19.2	0.000007	**-0.0012**	ug/L
ê	Cu	63	35	41	6	14.8	0.000009	**-0.0021**	ug/L
ê	Zn	66	51	71	11	15.1	0.000027	**0.0138**	ug/L
ê	Zn	68	507	504	47	9.4	0.000021	**0.0002**	ug/L
ê>	Ge	74	828838	796733	12702	1.6	796732.805575		ug/L
ë	As	75	-114	-119	55	46.0	-0.000012	**-0.0071**	ug/L
é	Se	77	89	91	18	19.8	0.000002	**-0.0136**	ug/L
ê	Se	82	3	6	8	143.0	0.000002	**-0.0106**	ug/L
ê	Mo	98	9	12	4	30.7	0.000002	**-0.0027**	ug/L
ê	Ag	107	5	7	3	39.4	0.000001	**-0.0002**	ug/L
ê	Ag	109	3	5	3	47.2	0.000001	**-0.0009**	ug/L
ê	Cd	111	4	2	2	124.9	-0.000001	**-0.0015**	ug/L
ê	Cd	114	23	23	9	38.3	0.000000	**0.0009**	ug/L
ê>	In	115	1790947	1757968	25319	1.4	1757968.468542		ug/L
ê	Sn	120	169	165	14	8.2	-0.000001	**-0.0127**	ug/L
ê	Sb	121	4	9	4	40.6	0.000003	**-0.0014**	ug/L
ë	Ba	138	53	69	5	7.1	0.000010	**-0.0008**	ug/L
é>	Tm	169	1556599	1523180	17324	1.1	1523180.499269		ug/L
ê	Tl	205	8	8	5	54.1	0.000001	**-0.0008**	ug/L
ë	Pb	208	191	205	17	8.0	0.000012	**-0.0019**	ug/L
	C	13	22146	22753	155	0.7	606.950108		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	95.365
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	96.127
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	98.159
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	97.853
	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: Tuesday, March 11, 2014 16:39:11
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCV4.060
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3857	99	2.6	0.004352	**3.1157**	ug/L
ê	Mg	24	661	3434089	44010	1.3	3.877301	**314.3046**	ug/L
ê	Al	27	2548	335653	5623	1.7	0.376176	**20.8596**	ug/L
ê	Ca	44	5230	339690	4232	1.2	0.377781	**602.9861**	ug/L
ê>	Sc	45	889352	885588	16730	1.9	885588.399673		ug/L
ê	Cr	52	11493	53846	763	1.4	0.047892	**3.0658**	ug/L
ê	Cr	53	47	4834	105	2.2	0.005406	**3.0138**	ug/L
ê	Mn	55	672	18844	114	0.6	0.020529	**1.0175**	ug/L
ë	Co	59	50	31382	1022	3.3	0.035394	**2.0344**	ug/L
é	Cu	65	13	7211	217	3.0	0.008672	**2.0419**	ug/L
ê	Cu	63	35	15304	314	2.1	0.018392	**2.0111**	ug/L
ê	Zn	66	51	6136	69	1.1	0.007331	**4.0358**	ug/L
ê	Zn	68	507	4819	25	0.5	0.005194	**4.0545**	ug/L
ê>	Ge	74	828838	830143	7469	0.9	830142.988649		ug/L
ë	As	75	-114	8687	89	1.0	0.010604	**5.0681**	ug/L
é	Se	77	89	743	32	4.3	0.000353	**5.3974**	ug/L
ê	Se	82	3	1102	63	5.7	0.000596	**5.8520**	ug/L
ê	Mo	98	9	3800	133	3.5	0.002057	**0.5924**	ug/L
ê	Ag	107	5	5561	162	2.9	0.003013	**0.4043**	ug/L
ê	Ag	109	3	6283	99	1.6	0.003406	**0.3952**	ug/L
ê	Cd	111	4	789	4	0.5	0.000426	**0.2066**	ug/L
ê	Cd	114	23	1862	49	2.7	0.000997	**0.2053**	ug/L
ê>	In	115	1790947	1843536	3760	0.2	1843536.161341		ug/L
ê	Sn	120	169	43348	312	0.7	0.023419	**2.8086**	ug/L
ê	Sb	121	4	4395	34	0.8	0.002381	**0.3962**	ug/L
ë	Ba	138	53	33670	499	1.5	0.018235	**0.9766**	ug/L
é>	Tm	169	1556599	1614384	22738	1.4	1614383.986673		ug/L
ê	Tl	205	8	5715	116	2.0	0.003535	**0.2067**	ug/L
ë	Pb	208	191	19046	334	1.8	0.011678	**0.5210**	ug/L
	C	13	22146	24273	7	0.0	2126.781304		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	99.577
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	100.157
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	102.936
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	103.712
	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: Tuesday, March 11, 2014 16:42:24
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCB4.061
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	4	2	41.7	0.000001	**-0.0102**	ug/L
ê	Mg	24	661	1146	113	9.9	0.000544	**-0.9904**	ug/L
ê	Al	27	2548	3127	41	1.3	0.000648	**-0.1175**	ug/L
ê	Ca	44	5230	4842	101	2.1	-0.000442	**-2.7960**	ug/L
ê>	Sc	45	889352	890277	11025	1.2	890277.431837		ug/L
ê	Cr	52	11493	11068	513	4.6	-0.000494	**-0.0606**	ug/L
ê	Cr	53	47	107	27	25.6	0.000068	**0.0259**	ug/L
ê	Mn	55	672	711	25	3.5	0.000043	**0.0013**	ug/L
ë	Co	59	50	48	6	13.3	-0.000002	**-0.0062**	ug/L
é	Cu	65	13	13	4	27.7	-0.000000	**-0.0030**	ug/L
ê	Cu	63	35	49	15	30.5	0.000016	**-0.0013**	ug/L
ê	Zn	66	51	69	6	9.2	0.000021	**0.0103**	ug/L
ê	Zn	68	507	507	34	6.7	-0.000008	**-0.0232**	ug/L
ê>	Ge	74	828838	842106	19697	2.3	842106.383185		ug/L
ë	As	75	-114	-138	50	36.3	-0.000025	**-0.0135**	ug/L
é	Se	77	89	95	14	14.9	0.000002	**-0.0088**	ug/L
ê	Se	82	3	7	7	96.0	0.000002	**-0.0042**	ug/L
ê	Mo	98	9	12	3	25.9	0.000002	**-0.0027**	ug/L
ê	Ag	107	5	6	3	39.7	0.000000	**-0.0003**	ug/L
ê	Ag	109	3	6	1	9.1	0.000002	**-0.0008**	ug/L
ê	Cd	111	4	3	1	33.3	-0.000001	**-0.0011**	ug/L
ê	Cd	114	23	22	9	40.1	-0.000001	**0.0007**	ug/L
ê>	In	115	1790947	1832711	14238	0.8	1832711.036033		ug/L
ê	Sn	120	169	160	12	7.5	-0.000007	**-0.0135**	ug/L
ê	Sb	121	4	14	6	39.8	0.000005	**-0.0010**	ug/L
ë	Ba	138	53	70	1	1.7	0.000009	**-0.0009**	ug/L
é>	Tm	169	1556599	1617690	9632	0.6	1617690.089040		ug/L
ê	Tl	205	8	6	3	44.1	-0.000001	**-0.0009**	ug/L
ë	Pb	208	191	195	25	12.7	-0.000002	**-0.0025**	ug/L
	C	13	22146	23768	209	0.9	1621.600629		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	100.104
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	101.601
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	102.332
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	103.925
	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: Tuesday, March 11, 2014 17:00:29
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCV5.066
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3968	27	0.7	0.004482	**3.2090**	ug/L
ê	Mg	24	661	3453113	19388	0.6	3.902230	**316.3321**	ug/L
ê	Al	27	2548	340033	3238	1.0	0.381472	**21.1554**	ug/L
ê	Ca	44	5230	337189	2374	0.7	0.375232	**598.9031**	ug/L
ê>	Sc	45	889352	884783	7136	0.8	884783.192736		ug/L
ê	Cr	52	11493	52137	766	1.5	0.046006	**2.9439**	ug/L
ê	Cr	53	47	4778	127	2.7	0.005348	**2.9812**	ug/L
ê	Mn	55	672	18613	225	1.2	0.020281	**1.0052**	ug/L
ë	Co	59	50	30868	434	1.4	0.034833	**2.0021**	ug/L
é	Cu	65	13	7165	59	0.8	0.008795	**2.0710**	ug/L
ê	Cu	63	35	15259	369	2.4	0.018719	**2.0470**	ug/L
ê	Zn	66	51	6197	191	3.1	0.007557	**4.1602**	ug/L
ê	Zn	68	507	4776	35	0.7	0.005263	**4.1085**	ug/L
ê>	Ge	74	828838	813326	17299	2.1	813326.066471		ug/L
ë	As	75	-114	8711	217	2.5	0.010854	**5.1877**	ug/L
é	Se	77	89	765	58	7.6	0.000370	**5.6460**	ug/L
ê	Se	82	3	1102	30	2.7	0.000603	**5.9177**	ug/L
ê	Mo	98	9	3732	76	2.0	0.002042	**0.5884**	ug/L
ê	Ag	107	5	5405	122	2.3	0.002962	**0.3973**	ug/L
ê	Ag	109	3	6314	82	1.3	0.003462	**0.4017**	ug/L
ê	Cd	111	4	763	18	2.3	0.000416	**0.2020**	ug/L
ê	Cd	114	23	1854	26	1.4	0.001004	**0.2068**	ug/L
ê>	In	115	1790947	1823144	25444	1.4	1823143.670323		ug/L
ê	Sn	120	169	43606	227	0.5	0.023826	**2.8575**	ug/L
ê	Sb	121	4	4367	57	1.3	0.002393	**0.3981**	ug/L
ë	Ba	138	53	33276	190	0.6	0.018226	**0.9762**	ug/L
é>	Tm	169	1556599	1597534	14480	0.9	1597533.863302		ug/L
ê	Tl	205	8	5701	61	1.1	0.003564	**0.2084**	ug/L
ë	Pb	208	191	19133	133	0.7	0.011854	**0.5289**	ug/L
	C	13	22146	25122	351	1.4	2975.916943		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	99.486
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	98.129
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	101.798
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	102.630
	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: Tuesday, March 11, 2014 17:03:41
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCB5.067
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	50.0	-0.000001	**-0.0115**	ug/L
ê	Mg	24	661	757	32	4.2	0.000119	**-1.0249**	ug/L
ê	Al	27	2548	3197	94	2.9	0.000779	**-0.1102**	ug/L
ê	Ca	44	5230	4634	21	0.5	-0.000600	**-3.0484**	ug/L
ê>	Sc	45	889352	877602	5455	0.6	877602.491625		ug/L
ê	Cr	52	11493	10863	67	0.6	-0.000544	**-0.0638**	ug/L
ê	Cr	53	47	50	3	5.5	0.000004	**-0.0093**	ug/L
ê	Mn	55	672	726	20	2.8	0.000072	**0.0027**	ug/L
ë	Co	59	50	43	4	8.4	-0.000008	**-0.0065**	ug/L
é	Cu	65	13	15	0	0.0	0.000002	**-0.0024**	ug/L
ê	Cu	63	35	33	8	23.0	-0.000003	**-0.0034**	ug/L
ê	Zn	66	51	65	9	13.7	0.000016	**0.0078**	ug/L
ê	Zn	68	507	504	26	5.2	-0.000009	**-0.0234**	ug/L
ê>	Ge	74	828838	836409	8458	1.0	836409.099803		ug/L
ë	As	75	-114	-153	19	12.6	-0.000044	**-0.0227**	ug/L
é	Se	77	89	97	6	6.1	0.000003	**-0.0014**	ug/L
ê	Se	82	3	10	1	5.6	0.000004	**0.0118**	ug/L
ê	Mo	98	9	15	3	20.3	0.000003	**-0.0022**	ug/L
ê	Ag	107	5	7	2	28.6	0.000001	**-0.0003**	ug/L
ê	Ag	109	3	5	3	52.9	0.000001	**-0.0009**	ug/L
ê	Cd	111	4	4	3	66.1	-0.000000	**-0.0009**	ug/L
ê	Cd	114	23	24	6	25.4	0.000000	**0.0010**	ug/L
ê>	In	115	1790947	1840955	22179	1.2	1840954.824918		ug/L
ê	Sn	120	169	156	12	7.9	-0.000010	**-0.0138**	ug/L
ê	Sb	121	4	12	1	4.7	0.000004	**-0.0012**	ug/L
ë	Ba	138	53	80	6	8.0	0.000014	**-0.0006**	ug/L
é>	Tm	169	1556599	1609371	2910	0.2	1609371.151511		ug/L
ê	Tl	205	8	8	2	30.1	-0.000000	**-0.0008**	ug/L
ë	Pb	208	191	180	13	7.0	-0.000011	**-0.0029**	ug/L
	C	13	22146	24465	165	0.7	2318.775696		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	98.679
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	100.914
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	102.792
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	103.390
	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: Tuesday, March 11, 2014 17:38:08
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCV6.077
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3582	50	1.4	0.004357	**3.1193**	ug/L
ê	Mg	24	661	3241325	14018	0.4	3.945167	**319.8241**	ug/L
ê	Al	27	2548	319191	2149	0.7	0.385732	**21.3934**	ug/L
ê	Ca	44	5230	314047	2115	0.7	0.376425	**600.8138**	ug/L
ê>	Sc	45	889352	821498	9929	1.2	821498.377802		ug/L
ê	Cr	52	11493	49413	505	1.0	0.047228	**3.0229**	ug/L
ê	Cr	53	47	4484	162	3.6	0.005405	**3.0135**	ug/L
ê	Mn	55	672	17325	207	1.2	0.020334	**1.0079**	ug/L
ë	Co	59	50	29369	346	1.2	0.035694	**2.0517**	ug/L
é	Cu	65	13	6672	64	1.0	0.008690	**2.0462**	ug/L
ê	Cu	63	35	14189	236	1.7	0.018473	**2.0201**	ug/L
ê	Zn	66	51	5697	79	1.4	0.007373	**4.0587**	ug/L
ê	Zn	68	507	4421	4	0.1	0.005158	**4.0258**	ug/L
ê>	Ge	74	828838	766376	6096	0.8	766376.109186		ug/L
ë	As	75	-114	8048	445	5.5	0.010643	**5.0870**	ug/L
é	Se	77	89	719	27	3.7	0.000362	**5.5362**	ug/L
ê	Se	82	3	1012	62	6.1	0.000579	**5.6798**	ug/L
ê	Mo	98	9	3523	61	1.7	0.002014	**0.5801**	ug/L
ê	Ag	107	5	5032	136	2.7	0.002880	**0.3863**	ug/L
ê	Ag	109	3	6038	35	0.6	0.003458	**0.4012**	ug/L
ê	Cd	111	4	756	37	4.9	0.000431	**0.2094**	ug/L
ê	Cd	114	23	1737	35	2.0	0.000983	**0.2023**	ug/L
ê>	In	115	1790947	1745453	31435	1.8	1745453.046519		ug/L
ê	Sn	120	169	41262	198	0.5	0.023551	**2.8245**	ug/L
ê	Sb	121	4	4091	56	1.4	0.002341	**0.3895**	ug/L
ë	Ba	138	53	32014	499	1.6	0.018314	**0.9809**	ug/L
é>	Tm	169	1556599	1526582	18012	1.2	1526582.294801		ug/L
ê	Tl	205	8	5517	140	2.5	0.003609	**0.2110**	ug/L
ë	Pb	208	191	17845	261	1.5	0.011567	**0.5160**	ug/L
	C	13	22146	23757	52	0.2	1610.581372		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	92.370
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	92.464
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	97.460
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	98.072
	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: Tuesday, March 11, 2014 17:41:20
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCB6.078
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3	2	57.3	0.000000	**-0.0108**	ug/L
ê	Mg	24	661	771	66	8.6	0.000196	**-1.0187**	ug/L
ê	Al	27	2548	3271	555	17.0	0.001115	**-0.0914**	ug/L
ê	Ca	44	5230	4694	61	1.3	-0.000165	**-2.3518**	ug/L
ê>	Sc	45	889352	821383	6083	0.7	821382.681299		ug/L
ê	Cr	52	11493	10605	251	2.4	-0.000012	**-0.0294**	ug/L
ê	Cr	53	47	49	9	17.8	0.000007	**-0.0080**	ug/L
ê	Mn	55	672	669	4	0.6	0.000060	**0.0021**	ug/L
ë	Co	59	50	53	12	23.2	0.000007	**-0.0057**	ug/L
é	Cu	65	13	14	5	36.1	0.000002	**-0.0024**	ug/L
ê	Cu	63	35	37	3	6.9	0.000005	**-0.0025**	ug/L
ê	Zn	66	51	64	5	7.1	0.000021	**0.0102**	ug/L
ê	Zn	68	507	506	15	2.9	0.000042	**0.0161**	ug/L
ê>	Ge	74	828838	775053	11663	1.5	775053.429260		ug/L
ë	As	75	-114	-101	47	46.6	0.000008	**0.0020**	ug/L
é	Se	77	89	77	12	15.8	-0.000006	**-0.1335**	ug/L
ê	Se	82	3	-3	5	157.6	-0.000003	**-0.0610**	ug/L
ê	Mo	98	9	14	8	53.5	0.000003	**-0.0023**	ug/L
ê	Ag	107	5	9	2	22.2	0.000002	**-0.0001**	ug/L
ê	Ag	109	3	4	2	48.0	0.000001	**-0.0010**	ug/L
ê	Cd	111	4	3	3	88.2	-0.000001	**-0.0011**	ug/L
ê	Cd	114	23	23	2	7.4	0.000000	**0.0010**	ug/L
ê>	In	115	1790947	1752216	11916	0.7	1752215.816673		ug/L
ê	Sn	120	169	148	11	7.3	-0.000010	**-0.0139**	ug/L
ê	Sb	121	4	12	4	30.0	0.000004	**-0.0011**	ug/L
ë	Ba	138	53	76	3	3.3	0.000014	**-0.0006**	ug/L
é>	Tm	169	1556599	1531991	10092	0.7	1531991.160571		ug/L
ê	Tl	205	8	8	2	25.0	0.000000	**-0.0008**	ug/L
ë	Pb	208	191	173	26	15.2	-0.000010	**-0.0029**	ug/L
	C	13	22146	23306	181	0.8	1159.840532		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	92.357
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	93.511
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	97.837
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	98.419
	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: Tuesday, March 11, 2014 18:16:57
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCV7.089
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3897	13	0.3	0.004598	**3.2918**	ug/L
ê	Mg	24	661	3404676	30757	0.9	4.018348	**325.7759**	ug/L
ê	Al	27	2548	332258	7365	2.2	0.389325	**21.5941**	ug/L
ê	Ca	44	5230	328509	4218	1.3	0.381931	**609.6321**	ug/L
ê>	Sc	45	889352	847142	4857	0.6	847141.588057		ug/L
ê	Cr	52	11493	50211	912	1.8	0.046353	**2.9663**	ug/L
ê	Cr	53	47	4725	95	2.0	0.005525	**3.0804**	ug/L
ê	Mn	55	672	18429	329	1.8	0.020998	**1.0408**	ug/L
ë	Co	59	50	30270	634	2.1	0.035675	**2.0506**	ug/L
é	Cu	65	13	6804	87	1.3	0.008446	**1.9886**	ug/L
ê	Cu	63	35	14890	204	1.4	0.018483	**2.0211**	ug/L
ê	Zn	66	51	5994	28	0.5	0.007394	**4.0707**	ug/L
ê	Zn	68	507	4600	76	1.7	0.005111	**3.9890**	ug/L
ê>	Ge	74	828838	804219	21557	2.7	804219.142031		ug/L
ë	As	75	-114	8365	160	1.9	0.010546	**5.0405**	ug/L
é	Se	77	89	745	15	2.0	0.000372	**5.6797**	ug/L
ê	Se	82	3	1078	19	1.8	0.000609	**5.9743**	ug/L
ê	Mo	98	9	3839	38	1.0	0.002167	**0.6245**	ug/L
ê	Ag	107	5	5335	125	2.3	0.003016	**0.4046**	ug/L
ê	Ag	109	3	6252	163	2.6	0.003536	**0.4103**	ug/L
ê	Cd	111	4	724	12	1.6	0.000407	**0.1978**	ug/L
ê	Cd	114	23	1758	16	0.9	0.000982	**0.2023**	ug/L
ê>	In	115	1790947	1767180	3302	0.2	1767179.873106		ug/L
ê	Sn	120	169	42558	628	1.5	0.023988	**2.8770**	ug/L
ê	Sb	121	4	4231	11	0.3	0.002392	**0.3980**	ug/L
ë	Ba	138	53	32604	268	0.8	0.018420	**0.9866**	ug/L
é>	Tm	169	1556599	1559503	7301	0.5	1559502.745703		ug/L
ê	Tl	205	8	5666	63	1.1	0.003629	**0.2122**	ug/L
ë	Pb	208	191	18700	267	1.4	0.011869	**0.5296**	ug/L
	C	13	22146	25440	181	0.7	3293.476067		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	95.254
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	97.030
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	98.673
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	100.187
	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: Tuesday, March 11, 2014 18:20:10
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCB7.090
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	50.0	-0.000001	**-0.0114**	ug/L
ê	Mg	24	661	751	65	8.6	0.000136	**-1.0235**	ug/L
ê	Al	27	2548	3260	113	3.5	0.000952	**-0.1005**	ug/L
ê	Ca	44	5230	4336	82	1.9	-0.000801	**-3.3705**	ug/L
ê>	Sc	45	889352	853998	13684	1.6	853998.476406		ug/L
ê	Cr	52	11493	9892	148	1.5	-0.001337	**-0.1150**	ug/L
ê	Cr	53	47	52	9	18.1	0.000009	**-0.0071**	ug/L
ê	Mn	55	672	768	11	1.5	0.000144	**0.0063**	ug/L
ë	Co	59	50	39	4	10.3	-0.000011	**-0.0067**	ug/L
é	Cu	65	13	17	2	11.8	0.000006	**-0.0016**	ug/L
ê	Cu	63	35	32	14	43.8	-0.000002	**-0.0034**	ug/L
ê	Zn	66	51	71	3	4.2	0.000028	**0.0141**	ug/L
ê	Zn	68	507	503	26	5.2	0.000021	**-0.0005**	ug/L
ê>	Ge	74	828838	796421	9632	1.2	796420.626712		ug/L
ë	As	75	-114	-105	8	7.8	0.000007	**0.0017**	ug/L
é	Se	77	89	86	12	13.8	-0.000000	**-0.0492**	ug/L
ê	Se	82	3	7	7	94.9	0.000003	**-0.0006**	ug/L
ê	Mo	98	9	12	1	7.0	0.000002	**-0.0026**	ug/L
ê	Ag	107	5	9	4	46.6	0.000002	**-0.0001**	ug/L
ê	Ag	109	3	6	2	27.0	0.000002	**-0.0009**	ug/L
ê	Cd	111	4	2	2	89.2	-0.000001	**-0.0013**	ug/L
ê	Cd	114	23	27	2	6.5	0.000002	**0.0014**	ug/L
ê>	In	115	1790947	1748658	25986	1.5	1748657.594136		ug/L
ê	Sn	120	169	151	12	7.7	-0.000008	**-0.0136**	ug/L
ê	Sb	121	4	16	4	21.5	0.000007	**-0.0007**	ug/L
ë	Ba	138	53	79	13	16.7	0.000016	**-0.0005**	ug/L
é>	Tm	169	1556599	1555841	12567	0.8	1555841.361469		ug/L
ê	Tl	205	8	8	4	42.1	0.000000	**-0.0008**	ug/L
ë	Pb	208	191	189	15	8.0	-0.000001	**-0.0025**	ug/L
	C	13	22146	24971	185	0.7	2824.650008		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	96.025
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	96.089
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	97.639
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	99.951
	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: Tuesday, March 11, 2014 18:59:21
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCV8.101
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	4157	67	1.6	0.004786	**3.4275**	ug/L
ê	Mg	24	661	3622784	52909	1.5	4.173151	**338.3659**	ug/L
ê	Al	27	2548	350272	4092	1.2	0.400703	**22.2297**	ug/L
ê	Ca	44	5230	331385	3438	1.0	0.375939	**600.0357**	ug/L
ê>	Sc	45	889352	867954	11584	1.3	867953.504926		ug/L
ê	Cr	52	11493	51552	561	1.1	0.046474	**2.9742**	ug/L
ê	Cr	53	47	4789	154	3.2	0.005466	**3.0471**	ug/L
ê	Mn	55	672	19296	252	1.3	0.021479	**1.0647**	ug/L
ë	Co	59	50	31404	820	2.6	0.036124	**2.0764**	ug/L
é	Cu	65	13	7245	113	1.6	0.008740	**2.0578**	ug/L
ê	Cu	63	35	15452	309	2.0	0.018636	**2.0379**	ug/L
ê	Zn	66	51	6292	199	3.2	0.007545	**4.1539**	ug/L
ê	Zn	68	507	4798	80	1.7	0.005190	**4.0510**	ug/L
ê>	Ge	74	828838	827473	15279	1.8	827472.696913		ug/L
ë	As	75	-114	8682	376	4.3	0.010635	**5.0830**	ug/L
é	Se	77	89	792	40	5.1	0.000385	**5.8829**	ug/L
ê	Se	82	3	1151	53	4.6	0.000631	**6.1937**	ug/L
ê	Mo	98	9	3917	134	3.4	0.002146	**0.6184**	ug/L
ê	Ag	107	5	5549	106	1.9	0.003045	**0.4085**	ug/L
ê	Ag	109	3	6342	82	1.3	0.003483	**0.4041**	ug/L
ê	Cd	111	4	782	18	2.3	0.000427	**0.2073**	ug/L
ê	Cd	114	23	1850	91	4.9	0.001003	**0.2066**	ug/L
ê>	In	115	1790947	1820727	24531	1.3	1820726.702439		ug/L
ê	Sn	120	169	43865	752	1.7	0.024000	**2.8785**	ug/L
ê	Sb	121	4	4342	93	2.1	0.002383	**0.3964**	ug/L
ë	Ba	138	53	33603	296	0.9	0.018428	**0.9870**	ug/L
é>	Tm	169	1556599	1606155	21120	1.3	1606155.301453		ug/L
ê	Tl	205	8	5824	90	1.5	0.003621	**0.2117**	ug/L
ë	Pb	208	191	19327	185	1.0	0.011911	**0.5314**	ug/L
	C	13	22146	26694	106	0.4	4547.427138		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	97.594
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	99.835
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	101.663
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	103.184
	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: Tuesday, March 11, 2014 19:02:33
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCB8.102
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	50.0	-0.000001	**-0.0115**	ug/L
ê	Mg	24	661	866	157	18.1	0.000240	**-1.0151**	ug/L
ê	Al	27	2548	3516	738	21.0	0.001122	**-0.0910**	ug/L
ê	Ca	44	5230	4240	45	1.1	-0.001067	**-3.7971**	ug/L
ê>	Sc	45	889352	880843	10182	1.2	880842.641473		ug/L
ê	Cr	52	11493	9970	241	2.4	-0.001602	**-0.1321**	ug/L
ê	Cr	53	47	41	6	15.6	-0.000006	**-0.0152**	ug/L
ê	Mn	55	672	812	14	1.7	0.000167	**0.0074**	ug/L
ë	Co	59	50	47	12	24.5	-0.000003	**-0.0063**	ug/L
é	Cu	65	13	15	7	42.4	0.000003	**-0.0022**	ug/L
ê	Cu	63	35	35	5	14.5	-0.000000	**-0.0032**	ug/L
ê	Zn	66	51	102	8	7.4	0.000061	**0.0322**	ug/L
ê	Zn	68	507	535	24	4.4	0.000031	**0.0079**	ug/L
ê>	Ge	74	828838	832364	10402	1.2	832364.265485		ug/L
ë	As	75	-114	-109	20	18.2	0.000007	**0.0019**	ug/L
é	Se	77	89	86	8	9.4	-0.000003	**-0.0836**	ug/L
ê	Se	82	3	7	4	57.9	0.000002	**-0.0043**	ug/L
ê	Mo	98	9	9	2	17.2	0.000000	**-0.0031**	ug/L
ê	Ag	107	5	8	2	25.0	0.000002	**-0.0002**	ug/L
ê	Ag	109	3	7	1	8.7	0.000002	**-0.0008**	ug/L
ê	Cd	111	4	3	1	33.3	-0.000001	**-0.0011**	ug/L
ê	Cd	114	23	25	4	14.0	0.000001	**0.0011**	ug/L
ê>	In	115	1790947	1814921	11699	0.6	1814920.882131		ug/L
ê	Sn	120	169	132	2	1.3	-0.000022	**-0.0152**	ug/L
ê	Sb	121	4	28			0.000013	**0.0003**	ug/L
ë	Ba	138	53	81	27	33.4	0.000015	**-0.0006**	ug/L
é>	Tm	169	1556599	1605763	13867	0.9	1605763.335881		ug/L
ê	Tl	205	8	8	4	42.1	0.000000	**-0.0008**	ug/L
ë	Pb	208	191	196	4	1.8	-0.000001	**-0.0025**	ug/L
	C	13	22146	26612	246	0.9	4465.943138		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	99.043
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	100.425
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	101.339
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	103.158
	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: Tuesday, March 11, 2014 19:31:23
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCV9.111
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	4319	127	2.9	0.004788	**3.4290**	ug/L
ê	Mg	24	661	3731429	59567	1.6	4.139492	**335.6285**	ug/L
ê	Al	27	2548	358884	9735	2.7	0.395259	**21.9255**	ug/L
ê	Ca	44	5230	346728	5140	1.5	0.378868	**604.7261**	ug/L
ê>	Sc	45	889352	901382	20500	2.3	901381.673785		ug/L
ê	Cr	52	11493	53036	1004	1.9	0.045924	**2.9386**	ug/L
ê	Cr	53	47	5023	64	1.3	0.005521	**3.0781**	ug/L
ê	Mn	55	672	19864	180	0.9	0.021289	**1.0552**	ug/L
ë	Co	59	50	32313	268	0.8	0.035801	**2.0578**	ug/L
é	Cu	65	13	7303	158	2.2	0.008591	**2.0228**	ug/L
ê	Cu	63	35	15577	223	1.4	0.018315	**2.0028**	ug/L
ê	Zn	66	51	6285	93	1.5	0.007345	**4.0435**	ug/L
ê	Zn	68	507	4859	178	3.7	0.005114	**3.9914**	ug/L
ê>	Ge	74	828838	848573	13457	1.6	848572.581116		ug/L
ë	As	75	-114	8901	286	3.2	0.010625	**5.0785**	ug/L
é	Se	77	89	798	53	6.6	0.000381	**5.8172**	ug/L
ê	Se	82	3	1159	81	6.9	0.000624	**6.1224**	ug/L
ê	Mo	98	9	4075	145	3.6	0.002192	**0.6318**	ug/L
ê	Ag	107	5	5728	110	1.9	0.003086	**0.4140**	ug/L
ê	Ag	109	3	6503	156	2.4	0.003505	**0.4067**	ug/L
ê	Cd	111	4	768	34	4.4	0.000412	**0.1998**	ug/L
ê	Cd	114	23	1863	6	0.3	0.000992	**0.2042**	ug/L
ê>	In	115	1790947	1854482	7444	0.4	1854482.153264		ug/L
ê	Sn	120	169	44497	443	1.0	0.023901	**2.8665**	ug/L
ê	Sb	121	4	4435	46	1.0	0.002389	**0.3975**	ug/L
ë	Ba	138	53	33689	438	1.3	0.018138	**0.9715**	ug/L
é>	Tm	169	1556599	1633661	10013	0.6	1633661.240671		ug/L
ê	Tl	205	8	5973	48	0.8	0.003651	**0.2135**	ug/L
ë	Pb	208	191	19457	154	0.8	0.011787	**0.5259**	ug/L
	C	13	22146	27546	357	1.3	5400.046150		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	101.353
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	102.381
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	103.548
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	104.951
	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: Tuesday, March 11, 2014 19:34:36
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCB9.112
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	0	0		-0.000003	**-0.0131**	ug/L
ê	Mg	24	661	813	66	8.1	0.000177	**-1.0202**	ug/L
ê	Al	27	2548	3308	398	12.0	0.000882	**-0.1044**	ug/L
ê	Ca	44	5230	4325	25	0.6	-0.000974	**-3.6474**	ug/L
ê>	Sc	45	889352	881872	21322	2.4	881872.499354		ug/L
ê	Cr	52	11493	9923	167	1.7	-0.001669	**-0.1365**	ug/L
ê	Cr	53	47	39	17	44.1	-0.000008	**-0.0162**	ug/L
ê	Mn	55	672	813	26	3.2	0.000168	**0.0074**	ug/L
ë	Co	59	50	46	1	1.2	-0.000004	**-0.0063**	ug/L
é	Cu	65	13	16	6	37.5	0.000004	**-0.0021**	ug/L
ê	Cu	63	35	33	1	3.0	-0.000002	**-0.0034**	ug/L
ê	Zn	66	51	109	13	12.0	0.000069	**0.0367**	ug/L
ê	Zn	68	507	515	24	4.7	0.000005	**-0.0130**	ug/L
ê>	Ge	74	828838	836273	12728	1.5	836273.429456		ug/L
ë	As	75	-114	-132	26	19.7	-0.000019	**-0.0108**	ug/L
é	Se	77	89	90	9	9.7	-0.000001	**-0.0597**	ug/L
ê	Se	82	3	4	13	290.7	0.000001	**-0.0184**	ug/L
ê	Mo	98	9	8	1	7.8	-0.000000	**-0.0033**	ug/L
ê	Ag	107	5	9	3	27.0	0.000002	**-0.0001**	ug/L
ê	Ag	109	3	5	3	47.2	0.000001	**-0.0009**	ug/L
ê	Cd	111	4	3	1	33.3	-0.000001	**-0.0011**	ug/L
ê	Cd	114	23	29	5	15.7	0.000003	**0.0014**	ug/L
ê>	In	115	1790947	1838241	26390	1.4	1838241.447507		ug/L
ê	Sn	120	169	125	1	0.8	-0.000026	**-0.0158**	ug/L
ê	Sb	121	4	30	5	15.6	0.000014	**0.0004**	ug/L
ë	Ba	138	53	75	13	17.7	0.000011	**-0.0008**	ug/L
é>	Tm	169	1556599	1620881	27351	1.7	1620881.176506		ug/L
ê	Tl	205	8	5	2	44.6	-0.000002	**-0.0009**	ug/L
ë	Pb	208	191	183	12	6.7	-0.000010	**-0.0029**	ug/L
	C	13	22146	27036	219	0.8	4889.737483		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	99.159
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	100.897
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	102.641
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	104.130
	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: Tuesday, March 11, 2014 20:09:52
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCVA.123
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	4220	60	1.4	0.004800	**3.4371**	ug/L
ê	Mg	24	661	3681742	14175	0.4	4.188722	**339.6323**	ug/L
ê	Al	27	2548	360143	5886	1.6	0.406987	**22.5807**	ug/L
ê	Ca	44	5230	344335	5874	1.7	0.385877	**615.9521**	ug/L
ê>	Sc	45	889352	878966	14498	1.6	878965.771034		ug/L
ê	Cr	52	11493	53750	790	1.5	0.048246	**3.0887**	ug/L
ê	Cr	53	47	4936	150	3.0	0.005563	**3.1015**	ug/L
ê	Mn	55	672	19654	33	0.2	0.021609	**1.0711**	ug/L
ë	Co	59	50	32107	791	2.5	0.036487	**2.0974**	ug/L
é	Cu	65	13	7148	124	1.7	0.008545	**2.0120**	ug/L
ê	Cu	63	35	15415	216	1.4	0.018421	**2.0143**	ug/L
ê	Zn	66	51	6224	67	1.1	0.007393	**4.0701**	ug/L
ê	Zn	68	507	4842	69	1.4	0.005188	**4.0499**	ug/L
ê>	Ge	74	828838	835112	11936	1.4	835111.580675		ug/L
ë	As	75	-114	8546	12	0.1	0.010373	**4.9578**	ug/L
é	Se	77	89	811	20	2.5	0.000393	**6.0015**	ug/L
ê	Se	82	3	1156	40	3.5	0.000629	**6.1767**	ug/L
ê	Mo	98	9	3855	18	0.5	0.002098	**0.6044**	ug/L
ê	Ag	107	5	5584	184	3.3	0.003044	**0.4084**	ug/L
ê	Ag	109	3	6469	24	0.4	0.003527	**0.4093**	ug/L
ê	Cd	111	4	812	23	2.8	0.000441	**0.2140**	ug/L
ê	Cd	114	23	1908	56	2.9	0.001028	**0.2117**	ug/L
ê>	In	115	1790947	1833184	16590	0.9	1833184.466140		ug/L
ê	Sn	120	169	44624	805	1.8	0.024250	**2.9086**	ug/L
ê	Sb	121	4	4481	104	2.3	0.002442	**0.4064**	ug/L
ë	Ba	138	53	34048	334	1.0	0.018544	**0.9932**	ug/L
é>	Tm	169	1556599	1620978	8652	0.5	1620978.350253		ug/L
ê	Tl	205	8	5935	100	1.7	0.003657	**0.2138**	ug/L
ë	Pb	208	191	19346	197	1.0	0.011812	**0.5270**	ug/L
	C	13	22146	26993	297	1.1	4846.657060		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	98.832
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	100.757
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	102.358
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	104.136
	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: Tuesday, March 11, 2014 20:13:04
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCBA.124
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3	2	78.1	-0.000000	**-0.0110**	ug/L
ê	Mg	24	661	1029	79	7.7	0.000387	**-1.0031**	ug/L
ê	Al	27	2548	3103	29	0.9	0.000547	**-0.1231**	ug/L
ê	Ca	44	5230	4638	71	1.5	-0.000781	**-3.3390**	ug/L
ê>	Sc	45	889352	909603	4634	0.5	909602.858670		ug/L
ê	Cr	52	11493	11485	336	2.9	-0.000296	**-0.0477**	ug/L
ê	Cr	53	47	44	11	26.1	-0.000004	**-0.0140**	ug/L
ê	Mn	55	672	697	59	8.4	0.000011	**-0.0003**	ug/L
ë	Co	59	50	51	8	15.9	-0.000000	**-0.0061**	ug/L
é	Cu	65	13	18	5	28.0	0.000006	**-0.0015**	ug/L
ê	Cu	63	35	40	4	9.0	0.000006	**-0.0025**	ug/L
ê	Zn	66	51	104	6	5.4	0.000062	**0.0331**	ug/L
ê	Zn	68	507	519	14	2.7	0.000005	**-0.0123**	ug/L
ê>	Ge	74	828838	841090	11872	1.4	841090.105734		ug/L
ë	As	75	-114	-124	18	14.7	-0.000010	**-0.0063**	ug/L
é	Se	77	89	87	6	6.3	-0.000003	**-0.0910**	ug/L
ê	Se	82	3	2	10	496.5	-0.000000	**-0.0315**	ug/L
ê	Mo	98	9	11	1	10.2	0.000001	**-0.0029**	ug/L
ê	Ag	107	5	11	2	15.7	0.000003	**0.0000**	ug/L
ê	Ag	109	3	5	2	32.7	0.000001	**-0.0009**	ug/L
ê	Cd	111	4	4	2	35.3	-0.000000	**-0.0008**	ug/L
ê	Cd	114	23	28	8	29.9	0.000002	**0.0013**	ug/L
ê>	In	115	1790947	1869924	17239	0.9	1869924.085724		ug/L
ê	Sn	120	169	146	5	3.4	-0.000016	**-0.0146**	ug/L
ê	Sb	121	4	23	7	28.5	0.000010	**-0.0002**	ug/L
ë	Ba	138	53	78	6	7.2	0.000012	**-0.0007**	ug/L
é>	Tm	169	1556599	1620698	12936	0.8	1620697.500492		ug/L
ê	Tl	205	8	5	2	28.6	-0.000002	**-0.0009**	ug/L
ë	Pb	208	191	197	12	6.0	-0.000001	**-0.0025**	ug/L
	C	13	22146	27285	217	0.8	5138.543153		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	102.277
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	101.478
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	104.410
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	104.118
	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: Tuesday, March 11, 2014 20:48:22
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCVB.135
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	4483	110	2.5	0.004916	**3.5204**	ug/L
ê	Mg	24	661	3842219	71211	1.9	4.213663	**341.6608**	ug/L
ê	Al	27	2548	371686	4342	1.2	0.404835	**22.4605**	ug/L
ê	Ca	44	5230	353683	8502	2.4	0.382208	**610.0766**	ug/L
ê>	Sc	45	889352	911706	14092	1.5	911705.863731		ug/L
ê	Cr	52	11493	53436	999	1.9	0.045686	**2.9233**	ug/L
ê	Cr	53	47	5188	100	1.9	0.005638	**3.1437**	ug/L
ê	Mn	55	672	20252	336	1.7	0.021459	**1.0637**	ug/L
ë	Co	59	50	32937	874	2.7	0.036069	**2.0733**	ug/L
é	Cu	65	13	7547	76	1.0	0.008754	**2.0612**	ug/L
ê	Cu	63	35	16061	190	1.2	0.018622	**2.0364**	ug/L
ê	Zn	66	51	6514	104	1.6	0.007508	**4.1335**	ug/L
ê	Zn	68	507	4952	150	3.0	0.005144	**4.0149**	ug/L
ê>	Ge	74	828838	860578	8426	1.0	860578.081739		ug/L
ë	As	75	-114	8823	248	2.8	0.010391	**4.9663**	ug/L
é	Se	77	89	851	24	2.8	0.000411	**6.2793**	ug/L
ê	Se	82	3	1190	45	3.8	0.000643	**6.3157**	ug/L
ê	Mo	98	9	4154	55	1.3	0.002244	**0.6468**	ug/L
ê	Ag	107	5	5873	141	2.4	0.003177	**0.4262**	ug/L
ê	Ag	109	3	6616	24	0.4	0.003581	**0.4155**	ug/L
ê	Cd	111	4	844	15	1.7	0.000454	**0.2207**	ug/L
ê	Cd	114	23	1874	41	2.2	0.001002	**0.2063**	ug/L
ê>	In	115	1790947	1847002	25223	1.4	1847002.322452		ug/L
ê	Sn	120	169	45614	488	1.1	0.024604	**2.9513**	ug/L
ê	Sb	121	4	4471	168	3.8	0.002418	**0.4023**	ug/L
ë	Ba	138	53	34001	343	1.0	0.018380	**0.9844**	ug/L
é>	Tm	169	1556599	1648757	17613	1.1	1648757.251078		ug/L
ê	Tl	205	8	6029	219	3.6	0.003652	**0.2135**	ug/L
ë	Pb	208	191	20121	80	0.4	0.012082	**0.5391**	ug/L
	C	13	22146	28774	323	1.1	6627.461513		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	102.513
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	103.830
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	103.130
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	105.920
	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: Tuesday, March 11, 2014 20:51:34
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCBB.136
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	0	1	173.2	-0.000003	**-0.0129**	ug/L
ê	Mg	24	661	975	87	8.9	0.000328	**-1.0079**	ug/L
ê	Al	27	2548	3492	277	7.9	0.000973	**-0.0993**	ug/L
ê	Ca	44	5230	4377	70	1.6	-0.001076	**-3.8106**	ug/L
ê>	Sc	45	889352	911127	23495	2.6	911127.136552		ug/L
ê	Cr	52	11493	10125	120	1.2	-0.001804	**-0.1452**	ug/L
ê	Cr	53	47	52	5	10.1	0.000004	**-0.0094**	ug/L
ê	Mn	55	672	859	38	4.4	0.000189	**0.0085**	ug/L
ë	Co	59	50	46	2	3.3	-0.000006	**-0.0064**	ug/L
é	Cu	65	13	14	3	20.1	0.000001	**-0.0026**	ug/L
ê	Cu	63	35	28	4	12.4	-0.000009	**-0.0041**	ug/L
ê	Zn	66	51	100	5	5.1	0.000056	**0.0296**	ug/L
ê	Zn	68	507	550	25	4.6	0.000033	**0.0090**	ug/L
ê>	Ge	74	828838	854247	20008	2.3	854247.261913		ug/L
ë	As	75	-114	-123	30	24.5	-0.000005	**-0.0040**	ug/L
é	Se	77	89	93	6	6.8	0.000000	**-0.0363**	ug/L
ê	Se	82	3	9	3	34.3	0.000003	**0.0039**	ug/L
ê	Mo	98	9	7	3	35.7	-0.000001	**-0.0035**	ug/L
ê	Ag	107	5	5	2	28.6	-0.000000	**-0.0004**	ug/L
ê	Ag	109	3	6	3	48.2	0.000002	**-0.0008**	ug/L
ê	Cd	111	4	3	1	33.3	-0.000001	**-0.0012**	ug/L
ê	Cd	114	23	27	8	29.6	0.000002	**0.0012**	ug/L
ê>	In	115	1790947	1857346	15982	0.9	1857346.064873		ug/L
ê	Sn	120	169	139	33	23.4	-0.000019	**-0.0150**	ug/L
ê	Sb	121	4	34	7	21.1	0.000016	**0.0007**	ug/L
ë	Ba	138	53	79	9	12.0	0.000013	**-0.0007**	ug/L
é>	Tm	169	1556599	1628553	23715	1.5	1628552.840936		ug/L
ê	Tl	205	8	8	0	0.0	-0.000000	**-0.0008**	ug/L
ë	Pb	208	191	192	12	6.0	-0.000005	**-0.0026**	ug/L
	C	13	22146	28424	580	2.0	6277.433915		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	102.448
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	103.066
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	103.707
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	104.622
	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: Tuesday, March 11, 2014 21:23:38
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCVC.146
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	4433	131	3.0	0.004796	**3.4347**	ug/L
ê	Mg	24	661	3861677	12486	0.3	4.180444	**338.9591**	ug/L
ê	Al	27	2548	372584	3064	0.8	0.400533	**22.2202**	ug/L
ê	Ca	44	5230	362420	1727	0.5	0.386541	**617.0161**	ug/L
ê>	Sc	45	889352	923623	8272	0.9	923623.266377		ug/L
ê	Cr	52	11493	56493	625	1.1	0.048249	**3.0889**	ug/L
ê	Cr	53	47	5305	77	1.5	0.005692	**3.1740**	ug/L
ê	Mn	55	672	20838	189	0.9	0.021805	**1.0808**	ug/L
ë	Co	59	50	34714	1157	3.3	0.037524	**2.1572**	ug/L
é	Cu	65	13	7655	101	1.3	0.008615	**2.0285**	ug/L
ê	Cu	63	35	16832	331	2.0	0.018936	**2.0707**	ug/L
ê	Zn	66	51	6742	113	1.7	0.007539	**4.1506**	ug/L
ê	Zn	68	507	5145	21	0.4	0.005189	**4.0504**	ug/L
ê>	Ge	74	828838	886946	2929	0.3	886946.090746		ug/L
ë	As	75	-114	8955	212	2.4	0.010235	**4.8917**	ug/L
é	Se	77	89	857	28	3.3	0.000412	**6.3007**	ug/L
ê	Se	82	3	1162	45	3.9	0.000625	**6.1339**	ug/L
ê	Mo	98	9	4170	56	1.3	0.002242	**0.6461**	ug/L
ê	Ag	107	5	5982	124	2.1	0.003221	**0.4321**	ug/L
ê	Ag	109	3	6663	62	0.9	0.003589	**0.4164**	ug/L
ê	Cd	111	4	780	21	2.7	0.000418	**0.2028**	ug/L
ê	Cd	114	23	1928	32	1.6	0.001026	**0.2113**	ug/L
ê>	In	115	1790947	1855868	12681	0.7	1855867.660457		ug/L
ê	Sn	120	169	45048	133	0.3	0.024180	**2.9001**	ug/L
ê	Sb	121	4	4455	150	3.4	0.002398	**0.3991**	ug/L
ë	Ba	138	53	33188	566	1.7	0.017855	**0.9563**	ug/L
é>	Tm	169	1556599	1604418	18336	1.1	1604418.235521		ug/L
ê	Tl	205	8	6007	84	1.4	0.003740	**0.2187**	ug/L
ë	Pb	208	191	19805	154	0.8	0.012223	**0.5454**	ug/L
	C	13	22146	28491	310	1.1	6344.561840		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	103.853
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	107.011
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	103.625
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	103.072
	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: Tuesday, March 11, 2014 21:26:50
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCBC.147
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3	3	115.5	0.000000	**-0.0108**	ug/L
ê	Mg	24	661	1212	107	8.8	0.000548	**-0.9900**	ug/L
ê	Al	27	2548	3217	102	3.2	0.000567	**-0.1220**	ug/L
ê	Ca	44	5230	4918	100	2.0	-0.000636	**-3.1068**	ug/L
ê>	Sc	45	889352	937760	14759	1.6	937759.600029		ug/L
ê	Cr	52	11493	11060	173	1.6	-0.001127	**-0.1015**	ug/L
ê	Cr	53	47	52	7	13.5	0.000003	**-0.0100**	ug/L
ê	Mn	55	672	742	49	6.7	0.000036	**0.0009**	ug/L
ë	Co	59	50	47	7	13.9	-0.000007	**-0.0065**	ug/L
é	Cu	65	13	20	1	5.0	0.000007	**-0.0013**	ug/L
ê	Cu	63	35	29	8	27.6	-0.000010	**-0.0042**	ug/L
ê	Zn	66	51	106	5	4.7	0.000056	**0.0298**	ug/L
ê	Zn	68	507	572	31	5.4	0.000025	**0.0032**	ug/L
ê>	Ge	74	828838	897912	7649	0.9	897912.407749		ug/L
ë	As	75	-114	-150	47	31.1	-0.000029	**-0.0152**	ug/L
é	Se	77	89	104	17	16.7	0.000006	**0.0485**	ug/L
ê	Se	82	3	8	14	183.2	0.000003	**-0.0016**	ug/L
ê	Mo	98	9	12	3	22.1	0.000001	**-0.0027**	ug/L
ê	Ag	107	5	7	3	43.8	0.000001	**-0.0002**	ug/L
ê	Ag	109	3	5	2	40.0	0.000001	**-0.0009**	ug/L
ê	Cd	111	4	3	1	17.3	-0.000001	**-0.0011**	ug/L
ê	Cd	114	23	29	10	34.4	0.000002	**0.0014**	ug/L
ê>	In	115	1790947	1864833	8467	0.5	1864832.887751		ug/L
ê	Sn	120	169	141	9	6.2	-0.000019	**-0.0149**	ug/L
ê	Sb	121	4	26	9	33.3	0.000012	**0.0000**	ug/L
ë	Ba	138	53	63	1	1.8	0.000004	**-0.0012**	ug/L
é>	Tm	169	1556599	1610634	7851	0.5	1610634.009003		ug/L
ê	Tl	205	8	7	1	8.7	-0.000001	**-0.0008**	ug/L
ë	Pb	208	191	209	10	5.0	0.000007	**-0.0021**	ug/L
	C	13	22146	28404	258	0.9	6257.387810		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	105.443
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	108.334
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	104.126
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	103.471
	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: Tuesday, March 11, 2014 22:02:06
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCVD.158
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	4666	46	1.0	0.004998	**3.5797**	ug/L
ê	Mg	24	661	3851795	12982	0.3	4.127867	**334.6830**	ug/L
ê	Al	27	2548	372810	3860	1.0	0.396725	**22.0075**	ug/L
ê	Ca	44	5230	362819	4898	1.4	0.383027	**611.3879**	ug/L
ê>	Sc	45	889352	932990	7435	0.8	932989.525037		ug/L
ê	Cr	52	11493	56123	1273	2.3	0.047234	**3.0233**	ug/L
ê	Cr	53	47	5184	46	0.9	0.005504	**3.0685**	ug/L
ê	Mn	55	672	20954	265	1.3	0.021704	**1.0758**	ug/L
ë	Co	59	50	34541	368	1.1	0.036968	**2.1251**	ug/L
é	Cu	65	13	7495	50	0.7	0.008311	**1.9568**	ug/L
ê	Cu	63	35	16573	198	1.2	0.018371	**2.0088**	ug/L
ê	Zn	66	51	6617	168	2.5	0.007289	**4.0127**	ug/L
ê	Zn	68	507	5110	131	2.6	0.005066	**3.9536**	ug/L
ê>	Ge	74	828838	900070	6468	0.7	900069.658676		ug/L
ë	As	75	-114	9310	345	3.7	0.010484	**5.0108**	ug/L
é	Se	77	89	855	30	3.5	0.000419	**6.4026**	ug/L
ê	Se	82	3	1225	64	5.2	0.000670	**6.5764**	ug/L
ê	Mo	98	9	4361	77	1.8	0.002385	**0.6876**	ug/L
ê	Ag	107	5	6215	212	3.4	0.003402	**0.4565**	ug/L
ê	Ag	109	3	6731	124	1.8	0.003687	**0.4279**	ug/L
ê	Cd	111	4	776	37	4.8	0.000423	**0.2053**	ug/L
ê	Cd	114	23	1802	25	1.4	0.000975	**0.2007**	ug/L
ê>	In	115	1790947	1824832	22757	1.2	1824831.667313		ug/L
ê	Sn	120	169	44352	580	1.3	0.024214	**2.9043**	ug/L
ê	Sb	121	4	4454	49	1.1	0.002439	**0.4058**	ug/L
ë	Ba	138	53	32770	386	1.2	0.017929	**0.9602**	ug/L
é>	Tm	169	1556599	1588834	20084	1.3	1588833.989519		ug/L
ê	Tl	205	8	5795	73	1.3	0.003642	**0.2129**	ug/L
ë	Pb	208	191	19476	247	1.3	0.012138	**0.5416**	ug/L
	C	13	22146	28746	278	1.0	6599.738485		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	104.907
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	108.594
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	101.892
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	102.071
	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: Tuesday, March 11, 2014 22:05:18
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCBD.159
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	1	43.3	-0.000002	**-0.0121**	ug/L
ê	Mg	24	661	1519	204	13.5	0.000888	**-0.9624**	ug/L
ê	Al	27	2548	3444	80	2.3	0.000835	**-0.1070**	ug/L
ê	Ca	44	5230	4287	96	2.2	-0.001277	**-4.1328**	ug/L
ê>	Sc	45	889352	931209	5426	0.6	931209.268038		ug/L
ê	Cr	52	11493	10510	253	2.4	-0.001638	**-0.1345**	ug/L
ê	Cr	53	47	40	9	21.6	-0.000010	**-0.0173**	ug/L
ê	Mn	55	672	807	46	5.8	0.000112	**0.0047**	ug/L
ë	Co	59	50	49	4	8.3	-0.000004	**-0.0063**	ug/L
é	Cu	65	13	19	4	22.9	0.000006	**-0.0016**	ug/L
ê	Cu	63	35	36	5	12.4	-0.000001	**-0.0032**	ug/L
ê	Zn	66	51	108	10	9.2	0.000060	**0.0320**	ug/L
ê	Zn	68	507	551	21	3.9	0.000007	**-0.0110**	ug/L
ê>	Ge	74	828838	891135	20188	2.3	891134.561149		ug/L
ë	As	75	-114	-123	15	12.6	0.000000	**-0.0014**	ug/L
é	Se	77	89	90	3	2.9	0.000000	**-0.0414**	ug/L
ê	Se	82	3	4	14	325.4	0.000001	**-0.0188**	ug/L
ê	Mo	98	9	12	2	18.8	0.000002	**-0.0026**	ug/L
ê	Ag	107	5	4	2	56.8	-0.000001	**-0.0005**	ug/L
ê	Ag	109	3	6	2	33.3	0.000002	**-0.0009**	ug/L
ê	Cd	111	4	3	3	88.2	-0.000001	**-0.0011**	ug/L
ê	Cd	114	23	27	1	5.2	0.000002	**0.0013**	ug/L
ê>	In	115	1790947	1802401	9636	0.5	1802401.011939		ug/L
ê	Sn	120	169	131	6	4.2	-0.000022	**-0.0152**	ug/L
ê	Sb	121	4	30	4	12.8	0.000014	**0.0005**	ug/L
ë	Ba	138	53	68	11	16.1	0.000008	**-0.0009**	ug/L
é>	Tm	169	1556599	1583064	19353	1.2	1583063.813937		ug/L
ê	Tl	205	8	6	2	27.0	-0.000001	**-0.0009**	ug/L
ë	Pb	208	191	195	25	12.8	0.000001	**-0.0024**	ug/L
	C	13	22146	28936	222	0.8	6789.453593		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	104.706
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	107.516
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	100.640
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	101.700
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140379-BLK1
Sample Description: 10x
Batch ID: B140379

Sample Date/Time: Tuesday, March 11, 2014 22:08:31
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 253

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140379-BLK1.160
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	50.0	-0.000001	**-0.1167**	ug/L
ê	Mg	24	661	1628	106	6.5	0.000898	**-9.6159**	ug/L
ê	Al	27	2548	6449	610	9.5	0.003640	**0.4965**	ug/L
ê	Ca	44	5230	4852	58	1.2	-0.000988	**-36.7016**	ug/L
ê>	Sc	45	889352	991878	5972	0.6	991878.249677		ug/L
ê	Cr	52	11493	11148	334	3.0	-0.001684	**-1.3743**	ug/L
ê	Cr	53	47	57	2	2.9	0.000005	**-0.0890**	ug/L
ê	Mn	55	672	1006	21	2.1	0.000259	**0.1199**	ug/L
ë	Co	59	50	49	16	33.4	-0.000008	**-0.0653**	ug/L
é	Cu	65	13	19	3	15.8	0.000005	**-0.0178**	ug/L
ê	Cu	63	35	40	8	19.5	0.000001	**-0.0303**	ug/L
ê	Zn	66	51	640	23	3.7	0.000625	**3.4312**	ug/L
ê	Zn	68	507	990	11	1.1	0.000451	**3.3696**	ug/L
ê>	Ge	74	828838	932299	21294	2.3	932298.995937		ug/L
ë	As	75	-114	-159	50	31.6	-0.000033	**-0.1743**	ug/L
é	Se	77	89	104	13	12.7	0.000006	**0.4943**	ug/L
ê	Se	82	3	4	6	141.6	0.000001	**-0.2086**	ug/L
ê	Mo	98	9	14	6	43.1	0.000002	**-0.0246**	ug/L
ê	Ag	107	5	29	10	32.9	0.000013	**0.0130**	ug/L
ê	Ag	109	3	29	3	10.7	0.000014	**0.0054**	ug/L
ê	Cd	111	4	5	5	99.0	0.000000	**-0.0073**	ug/L
ê	Cd	114	23	26	6	23.1	0.000001	**0.0113**	ug/L
ê>	In	115	1790947	1868988	25784	1.4	1868988.071062		ug/L
ê	Sn	120	169	214	79	37.0	0.000021	**-0.1014**	ug/L
ê	Sb	121	4	9	5	53.9	0.000003	**-0.0145**	ug/L
ë	Ba	138	53	85	7	8.2	0.000016	**-0.0050**	ug/L
é>	Tm	169	1556599	1635803	18351	1.1	1635802.763464		ug/L
ê	Tl	205	8	4	2	50.0	-0.000002	**-0.0093**	ug/L
ë	Pb	208	191	208	10	5.0	0.000004	**-0.0224**	ug/L
	C	13	22146	36373	275	0.8	14226.424311		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	111.528
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	112.483
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	104.358
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	105.088
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140379-BLK2
Sample Description: 10x
Batch ID: B140379

Sample Date/Time: Tuesday, March 11, 2014 22:11:43
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 254

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140379-BLK2.161
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	1	173.2	-0.000002	**-0.1263**	ug/L
ê	Mg	24	661	1532	44	2.9	0.000798	**-9.6968**	ug/L
ê	Al	27	2548	5478	162	3.0	0.002646	**-0.0585**	ug/L
ê	Ca	44	5230	4881	94	1.9	-0.000970	**-36.4074**	ug/L
ê>	Sc	45	889352	994038	15284	1.5	994037.706277		ug/L
ê	Cr	52	11493	11413	221	1.9	-0.001441	**-1.2176**	ug/L
ê	Cr	53	47	59	2	2.7	0.000007	**-0.0806**	ug/L
ê	Mn	55	672	991	25	2.5	0.000242	**0.1113**	ug/L
ë	Co	59	50	46	4	9.1	-0.000011	**-0.0671**	ug/L
é	Cu	65	13	19	2	9.1	0.000005	**-0.0181**	ug/L
ê	Cu	63	35	34	2	6.2	-0.000006	**-0.0378**	ug/L
ê	Zn	66	51	571	18	3.1	0.000549	**3.0105**	ug/L
ê	Zn	68	507	967	14	1.4	0.000422	**3.1403**	ug/L
ê>	Ge	74	828838	935689	7892	0.8	935689.281933		ug/L
ë	As	75	-114	-157	25	15.9	-0.000029	**-0.1563**	ug/L
é	Se	77	89	106	7	6.2	0.000006	**0.4911**	ug/L
ê	Se	82	3	7	7	100.4	0.000002	**-0.0552**	ug/L
ê	Mo	98	9	17	3	19.5	0.000004	**-0.0196**	ug/L
ê	Ag	107	5	19	6	31.4	0.000007	**0.0055**	ug/L
ê	Ag	109	3	16	6	36.9	0.000007	**-0.0024**	ug/L
ê	Cd	111	4	4	1	31.5	-0.000000	**-0.0100**	ug/L
ê	Cd	114	23	32	5	17.3	0.000004	**0.0168**	ug/L
ê>	In	115	1790947	1892468	19211	1.0	1892467.660523		ug/L
ê	Sn	120	169	430	91	21.0	0.000133	**0.0340**	ug/L
ê	Sb	121	4	11	4	32.8	0.000003	**-0.0132**	ug/L
ë	Ba	138	53	86	12	13.8	0.000016	**-0.0050**	ug/L
é>	Tm	169	1556599	1628146	25200	1.5	1628146.281107		ug/L
ê	Tl	205	8	5	3	60.3	-0.000002	**-0.0088**	ug/L
ë	Pb	208	191	210	31	14.6	0.000006	**-0.0216**	ug/L
	C	13	22146	36808	672	1.8	14662.213782		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	111.771
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	112.892
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	105.669
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	104.596
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140379-BLK3
Sample Description: 10x
Batch ID: B140379

Sample Date/Time: Tuesday, March 11, 2014 22:14:55
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 255

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140379-BLK3.162
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	0	1	173.2	-0.000003	**-0.1287**	ug/L
ê	Mg	24	661	1902	46	2.4	0.001187	**-9.3807**	ug/L
ê	Al	27	2548	5895	56	0.9	0.003117	**0.2045**	ug/L
ê	Ca	44	5230	5099	21	0.4	-0.000707	**-32.2012**	ug/L
ê>	Sc	45	889352	985605	10940	1.1	985605.405986		ug/L
ê	Cr	52	11493	11663	332	2.8	-0.001091	**-0.9915**	ug/L
ê	Cr	53	47	59	10	17.4	0.000007	**-0.0794**	ug/L
ê	Mn	55	672	986	51	5.2	0.000246	**0.1132**	ug/L
ë	Co	59	50	47	5	10.4	-0.000009	**-0.0659**	ug/L
é	Cu	65	13	18	7	37.1	0.000004	**-0.0193**	ug/L
ê	Cu	63	35	44	7	14.9	0.000006	**-0.0253**	ug/L
ê	Zn	66	51	903	36	4.0	0.000914	**5.0212**	ug/L
ê	Zn	68	507	1188	30	2.5	0.000672	**5.1017**	ug/L
ê>	Ge	74	828838	925935	19330	2.1	925935.451868		ug/L
ë	As	75	-114	-132	46	35.1	-0.000005	**-0.0396**	ug/L
é	Se	77	89	99	9	9.4	0.000003	**0.0235**	ug/L
ê	Se	82	3	15	7	47.7	0.000006	**0.3475**	ug/L
ê	Mo	98	9	14	5	33.9	0.000003	**-0.0237**	ug/L
ê	Ag	107	5	26	9	32.9	0.000011	**0.0108**	ug/L
ê	Ag	109	3	28	14	49.5	0.000013	**0.0051**	ug/L
ê	Cd	111	4	4	1	31.5	-0.000000	**-0.0099**	ug/L
ê	Cd	114	23	29	4	15.1	0.000003	**0.0142**	ug/L
ê>	In	115	1790947	1882902	12329	0.7	1882902.274238		ug/L
ê	Sn	120	169	321	30	9.2	0.000076	**-0.0347**	ug/L
ê	Sb	121	4	9	5	48.3	0.000003	**-0.0146**	ug/L
ë	Ba	138	53	90	10	11.3	0.000018	**-0.0039**	ug/L
é>	Tm	169	1556599	1653885	8835	0.5	1653884.674781		ug/L
ê	Tl	205	8	6	3	56.7	-0.000001	**-0.0088**	ug/L
ë	Pb	208	191	204	15	7.3	0.000000	**-0.0241**	ug/L
	C	13	22146	37377	288	0.8	15230.678346		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	110.823
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	111.715
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	105.134
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	106.250
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140379-BLK4
Sample Description: 10x
Batch ID: B140379

Sample Date/Time: Tuesday, March 11, 2014 22:18:07
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 256

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140379-BLK4.163
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	1	43.3	-0.000002	**-0.1215**	ug/L
ê	Mg	24	661	1576	86	5.4	0.000849	**-9.6558**	ug/L
ê	Al	27	2548	4767	129	2.7	0.001949	**-0.4477**	ug/L
ê	Ca	44	5230	4889	55	1.1	-0.000942	**-35.9616**	ug/L
ê>	Sc	45	889352	990191	16881	1.7	990190.936885		ug/L
ê	Cr	52	11493	11344	112	1.0	-0.001465	**-1.2332**	ug/L
ê	Cr	53	47	55	11	20.7	0.000003	**-0.0996**	ug/L
ê	Mn	55	672	993	30	3.1	0.000247	**0.1140**	ug/L
ë	Co	59	50	45	10	22.2	-0.000011	**-0.0675**	ug/L
é	Cu	65	13	14	2	14.5	-0.000000	**-0.0298**	ug/L
ê	Cu	63	35	32	9	28.6	-0.000008	**-0.0397**	ug/L
ê	Zn	66	51	808	31	3.9	0.000804	**4.4145**	ug/L
ê	Zn	68	507	1120	7	0.6	0.000587	**4.4351**	ug/L
ê>	Ge	74	828838	934699	18893	2.0	934699.084704		ug/L
ë	As	75	-114	-192	46	24.1	-0.000067	**-0.3378**	ug/L
é	Se	77	89	108	12	11.4	0.000008	**0.7396**	ug/L
ê	Se	82	3	-1	18	1350.6	-0.000002	**-0.4952**	ug/L
ê	Mo	98	9	12	3	25.0	0.000002	**-0.0271**	ug/L
ê	Ag	107	5	33	9	26.2	0.000015	**0.0160**	ug/L
ê	Ag	109	3	31	5	14.8	0.000015	**0.0067**	ug/L
ê	Cd	111	4	3	1	33.3	-0.000001	**-0.0117**	ug/L
ê	Cd	114	23	28	6	22.9	0.000002	**0.0129**	ug/L
ê>	In	115	1790947	1887287	23215	1.2	1887287.043007		ug/L
ê	Sn	120	169	238	37	15.6	0.000032	**-0.0882**	ug/L
ê	Sb	121	4	13	3	22.9	0.000005	**-0.0111**	ug/L
ë	Ba	138	53	76	7	9.2	0.000011	**-0.0079**	ug/L
é>	Tm	169	1556599	1654813	23547	1.4	1654813.257988		ug/L
ê	Tl	205	8	9	4	46.6	0.000000	**-0.0077**	ug/L
ë	Pb	208	191	214	14	6.4	0.000007	**-0.0213**	ug/L
	C	13	22146	37422	131	0.3	15275.794699		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	111.338
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	112.772
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	105.379
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	106.310
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140379-SRM1
Sample Description: 10x
Batch ID: B140379

Sample Date/Time: Tuesday, March 11, 2014 22:21:19
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 257

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140379-SRM1.164
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	17	5	30.8	0.000013	**-0.0148**	ug/L
ê	Mg	24	661	7253263	85549	1.2	7.047952	**5721.7225**	ug/L
ê	Al	27	2548	13912067	203039	1.5	13.517079	**7549.1236**	ug/L
ê	Ca	44	5230	947350	12165	1.3	0.914777	**14630.6502**	ug/L
ê>	Sc	45	889352	1029056	5951	0.6	1029056.400446		ug/L
ê	Cr	52	11493	28169	1041	3.7	0.014454	**9.0527**	ug/L
ê	Cr	53	47	2822	282	10.0	0.002690	**14.9386**	ug/L
ê	Mn	55	672	42345	846	2.0	0.040397	**20.0314**	ug/L
ë	Co	59	50	2933	23	0.8	0.002794	**1.5495**	ug/L
é	Cu	65	13	38980	156	0.4	0.041121	**96.9284**	ug/L
ê	Cu	63	35	85904	1147	1.3	0.090622	**99.2193**	ug/L
ê	Zn	66	51	54607	1530	2.8	0.057550	**316.9076**	ug/L
ê	Zn	68	507	38767	730	1.9	0.040292	**315.6343**	ug/L
ê>	Ge	74	828838	947783	17941	1.9	947782.563162		ug/L
ë	As	75	-114	8091	304	3.8	0.008677	**41.4710**	ug/L
é	Se	77	89	468	17	3.7	0.000203	**30.8947**	ug/L
ê	Se	82	3	567	38	6.6	0.000305	**29.7854**	ug/L
ê	Mo	98	9	1361	43	3.1	0.000731	**2.0858**	ug/L
ê	Ag	107	5	292	8	2.6	0.000155	**0.2042**	ug/L
ê	Ag	109	3	330	12	3.6	0.000177	**0.1954**	ug/L
ê	Cd	111	4	670	33	4.9	0.000360	**1.7458**	ug/L
ê	Cd	114	23	1562	41	2.7	0.000832	**1.7141**	ug/L
ê>	In	115	1790947	1849284	18138	1.0	1849284.232489		ug/L
ê	Sn	120	169	803	29	3.6	0.000340	**0.2834**	ug/L
ê	Sb	121	4	53	9	17.3	0.000026	**0.0251**	ug/L
ë	Ba	138	53	87222	835	1.0	0.047137	**25.2681**	ug/L
é>	Tm	169	1556599	1648157	21797	1.3	1648157.159209		ug/L
ê	Tl	205	8	188	11	5.9	0.000109	**0.0562**	ug/L
ë	Pb	208	191	5463	61	1.1	0.003193	**1.4066**	ug/L
	C	13	22146	233200	3167	1.4	211053.367115		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	115.709
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	114.351
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	103.257
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	105.882
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140379-SRM2
Sample Description: 10x
Batch ID: B140379

Sample Date/Time: Tuesday, March 11, 2014 22:24:31
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 258

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140379-SRM2.165
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	12	3	21.6	0.000008	**-0.0493**	ug/L
ê	Mg	24	661	9617983	96970	1.0	9.399040	**7633.8524**	ug/L
ê	Al	27	2548	87823	1707	1.9	0.082966	**44.8086**	ug/L
ê	Ca	44	5230	1083684	18349	1.7	1.053174	**16847.2927**	ug/L
ê>	Sc	45	889352	1023241	3152	0.3	1023240.588005		ug/L
ê	Cr	52	11493	27263	1264	4.6	0.013718	**8.5772**	ug/L
ê	Cr	53	47	3925	164	4.2	0.003783	**21.0556**	ug/L
ê	Mn	55	672	213548	4682	2.2	0.207941	**103.1468**	ug/L
ë	Co	59	50	13221	53	0.4	0.012864	**7.3553**	ug/L
é	Cu	65	13	1272262	9541	0.7	1.325166	**3124.5414**	ug/L
ê	Cu	63	35	2770290	109906	4.0	2.885117	**3159.7806**	ug/L
ê	Zn	66	51	146300	3600	2.5	0.152329	**838.8328**	ug/L
ê	Zn	68	507	104896	2687	2.6	0.108657	**851.4527**	ug/L
ê>	Ge	74	828838	960075	6888	0.7	960074.533369		ug/L
ë	As	75	-114	81367	1241	1.5	0.084897	**405.8834**	ug/L
é	Se	77	89	1205	35	2.9	0.000605	**92.7590**	ug/L
ê	Se	82	3	1834	48	2.6	0.000996	**97.9001**	ug/L
ê	Mo	98	9	17459	401	2.3	0.009485	**27.4385**	ug/L
ê	Ag	107	5	101195	2206	2.2	0.055001	**73.8540**	ug/L
ê	Ag	109	3	104198	1523	1.5	0.056634	**65.8694**	ug/L
ê	Cd	111	4	96374	1391	1.4	0.052378	**255.2335**	ug/L
ê	Cd	114	23	225266	830	0.4	0.122428	**251.0170**	ug/L
ê>	In	115	1790947	1840013	28525	1.6	1840012.813869		ug/L
ê	Sn	120	169	318	48	15.1	0.000078	**-0.0321**	ug/L
ê	Sb	121	4	428	29	6.7	0.000230	**0.3657**	ug/L
ë	Ba	138	53	5490	80	1.5	0.002955	**1.5713**	ug/L
é>	Tm	169	1556599	1675225	8890	0.5	1675225.378940		ug/L
ê	Tl	205	8	218	5	2.3	0.000125	**0.0657**	ug/L
ë	Pb	208	191	5431	189	3.5	0.003119	**1.3736**	ug/L
	C	13	22146	217889	669	0.3	195743.264769		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	115.055
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	115.834
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	102.740
	Sn	120	
	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: SEQ-CCVE

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 11, 2014 22:27:44
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCVE.166
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	4267	50	1.2	0.004507	**3.2268**	ug/L
ê	Mg	24	661	3711192	20668	0.6	3.922106	**317.9486**	ug/L
ê	Al	27	2548	351750	3188	0.9	0.368946	**20.4557**	ug/L
ê	Ca	44	5230	363721	7363	2.0	0.378595	**604.2885**	ug/L
ê>	Sc	45	889352	946045	2051	0.2	946045.161047		ug/L
ê	Cr	52	11493	57224	632	1.1	0.047566	**3.0447**	ug/L
ê	Cr	53	47	5348	101	1.9	0.005601	**3.1229**	ug/L
ê	Mn	55	672	20689	341	1.7	0.021114	**1.0465**	ug/L
ë	Co	59	50	34947	537	1.5	0.036884	**2.1203**	ug/L
é	Cu	65	13	7881	22	0.3	0.008619	**2.0294**	ug/L
ê	Cu	63	35	16865	453	2.7	0.018430	**2.0154**	ug/L
ê	Zn	66	51	6582	182	2.8	0.007149	**3.9359**	ug/L
ê	Zn	68	507	5131	2	0.0	0.005010	**3.9103**	ug/L
ê>	Ge	74	828838	913055	22827	2.5	913054.913185		ug/L
ë	As	75	-114	9510	55	0.6	0.010559	**5.0465**	ug/L
é	Se	77	89	877	8	0.9	0.000435	**6.6471**	ug/L
ê	Se	82	3	1246	40	3.2	0.000686	**6.7384**	ug/L
ê	Mo	98	9	4463	71	1.6	0.002459	**0.7090**	ug/L
ê	Ag	107	5	6437	193	3.0	0.003549	**0.4762**	ug/L
ê	Ag	109	3	6700	104	1.6	0.003697	**0.4290**	ug/L
ê	Cd	111	4	774	51	6.6	0.000425	**0.2061**	ug/L
ê	Cd	114	23	1814	65	3.6	0.000989	**0.2037**	ug/L
ê>	In	115	1790947	1811725	32455	1.8	1811724.923463		ug/L
ê	Sn	120	169	43885	308	0.7	0.024132	**2.8944**	ug/L
ê	Sb	121	4	4365	50	1.1	0.002408	**0.4006**	ug/L
ë	Ba	138	53	32765	240	0.7	0.018059	**0.9672**	ug/L
é>	Tm	169	1556599	1599529	17351	1.1	1599529.180582		ug/L
ê	Tl	205	8	5868	75	1.3	0.003664	**0.2142**	ug/L
ë	Pb	208	191	19322	253	1.3	0.011957	**0.5335**	ug/L
	C	13	22146	29551	651	2.2	7404.719843		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	106.375
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	110.161
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	101.160
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	102.758
	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: Tuesday, March 11, 2014 22:30:57
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCBE.167
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	34.6	-0.000001	**-0.0118**	ug/L
ê	Mg	24	661	1091	424	38.9	0.000434	**-0.9993**	ug/L
ê	Al	27	2548	3217	447	13.9	0.000611	**-0.1195**	ug/L
ê	Ca	44	5230	4513	146	3.2	-0.001002	**-3.6928**	ug/L
ê>	Sc	45	889352	925115	4140	0.4	925114.515996		ug/L
ê	Cr	52	11493	11985	237	2.0	0.000033	**-0.0266**	ug/L
ê	Cr	53	47	71	9	12.7	0.000024	**0.0016**	ug/L
ê	Mn	55	672	708	15	2.1	0.000010	**-0.0004**	ug/L
ë	Co	59	50	44	5	11.1	-0.000009	**-0.0066**	ug/L
é	Cu	65	13	19	5	27.3	0.000005	**-0.0016**	ug/L
ê	Cu	63	35	42	12	27.7	0.000004	**-0.0027**	ug/L
ê	Zn	66	51	114	6	5.2	0.000064	**0.0342**	ug/L
ê	Zn	68	507	602	25	4.1	0.000054	**0.0261**	ug/L
ê>	Ge	74	828838	904703	13595	1.5	904703.427031		ug/L
ë	As	75	-114	-159	22	13.8	-0.000038	**-0.0197**	ug/L
é	Se	77	89	110	7	6.2	0.000011	**0.1256**	ug/L
ê	Se	82	3	16	6	35.8	0.000007	**0.0436**	ug/L
ê	Mo	98	9	12	2	20.2	0.000002	**-0.0026**	ug/L
ê	Ag	107	5	6	2	36.5	0.000001	**-0.0003**	ug/L
ê	Ag	109	3	5	1	20.0	0.000001	**-0.0009**	ug/L
ê	Cd	111	4	3	2	57.7	-0.000001	**-0.0011**	ug/L
ê	Cd	114	23	24	6	24.5	0.000001	**0.0010**	ug/L
ê>	In	115	1790947	1803652	16492	0.9	1803651.549262		ug/L
ê	Sn	120	169	162	22	13.5	-0.000005	**-0.0132**	ug/L
ê	Sb	121	4	24	8	30.8	0.000011	**-0.0000**	ug/L
ë	Ba	138	53	74	10	14.3	0.000011	**-0.0008**	ug/L
é>	Tm	169	1556599	1609357	12142	0.8	1609356.739743		ug/L
ê	Tl	205	8	7	5	67.6	-0.000001	**-0.0008**	ug/L
ë	Pb	208	191	203	13	6.6	0.000003	**-0.0023**	ug/L
	C	13	22146	28504	219	0.8	6358.254654		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	104.021
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	109.153
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	100.709
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	103.389
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140379-BS1
Sample Description: 10x
Batch ID: B140379

Sample Date/Time: Tuesday, March 11, 2014 22:34:12
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 259

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140379-BS1.168
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	69.3	-0.000001	**-0.1192**	ug/L
ê	Mg	24	661	1715	471	27.5	0.000969	**-9.5580**	ug/L
ê	Al	27	2548	23975	756	3.2	0.021085	**10.2418**	ug/L
ê	Ca	44	5230	5168	64	1.2	-0.000717	**-32.3621**	ug/L
ê>	Sc	45	889352	1000956	5529	0.6	1000955.636832		ug/L
ê	Cr	52	11493	13284	244	1.8	0.000349	**-0.0611**	ug/L
ê	Cr	53	47	109	24	22.1	0.000057	**0.1994**	ug/L
ê	Mn	55	672	925	27	3.0	0.000169	**0.0752**	ug/L
ë	Co	59	50	53	6	12.2	-0.000004	**-0.0633**	ug/L
é	Cu	65	13	23	9	41.0	0.000008	**-0.0101**	ug/L
ê	Cu	63	35	54	21	38.8	0.000014	**-0.0158**	ug/L
ê	Zn	66	51	3009	59	1.9	0.003080	**16.9516**	ug/L
ê	Zn	68	507	2574	53	2.1	0.002076	**16.1028**	ug/L
ê>	Ge	74	828838	957718	9131	1.0	957718.075239		ug/L
ë	As	75	-114	568	31	5.4	0.000731	**3.4808**	ug/L
é	Se	77	89	157	7	4.5	0.000033	**4.7027**	ug/L
ê	Se	82	3	97	3	3.3	0.000050	**4.6748**	ug/L
ê	Mo	98	9	19	1	7.9	0.000005	**-0.0172**	ug/L
ê	Ag	107	5	2161	65	3.0	0.001144	**1.5321**	ug/L
ê	Ag	109	3	2299	12	0.5	0.001218	**1.4069**	ug/L
ê	Cd	111	4	5	2	32.7	0.000000	**-0.0073**	ug/L
ê	Cd	114	23	24	3	12.1	-0.000000	**0.0090**	ug/L
ê>	In	115	1790947	1884072	16430	0.9	1884071.723710		ug/L
ê	Sn	120	169	131	12	8.9	-0.000025	**-0.1564**	ug/L
ê	Sb	121	4	10	3	24.4	0.000003	**-0.0137**	ug/L
ë	Ba	138	53	70	3	4.6	0.000008	**-0.0097**	ug/L
é>	Tm	169	1556599	1662709	15624	0.9	1662708.847077		ug/L
ê	Tl	205	8	3	3	88.2	-0.000003	**-0.0097**	ug/L
ë	Pb	208	191	2267	113	5.0	0.001241	**0.5319**	ug/L
	C	13	22146	34850	416	1.2	12704.305979		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	112.549
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	115.550
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	105.200
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	106.817
	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: Tuesday, March 11, 2014 22:59:52
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCVF.176
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	4519	243	5.4	0.004834	**3.4616**	ug/L
ê	Mg	24	661	3851787	51653	1.3	4.122764	**334.2680**	ug/L
ê	Al	27	2548	372402	3213	0.9	0.395888	**21.9607**	ug/L
ê	Ca	44	5230	370860	2473	0.7	0.391169	**624.4284**	ug/L
ê>	Sc	45	889352	934407	24100	2.6	934407.304749		ug/L
ê	Cr	52	11493	57009	1138	2.0	0.048097	**3.0790**	ug/L
ê	Cr	53	47	5312	81	1.5	0.005636	**3.1426**	ug/L
ê	Mn	55	672	20725	356	1.7	0.021437	**1.0626**	ug/L
ë	Co	59	50	34474	852	2.5	0.036851	**2.1184**	ug/L
é	Cu	65	13	7888	240	3.0	0.008812	**2.0749**	ug/L
ê	Cu	63	35	16818	486	2.9	0.018781	**2.0538**	ug/L
ê	Zn	66	51	6729	165	2.4	0.007469	**4.1119**	ug/L
ê	Zn	68	507	5167	91	1.8	0.005172	**4.0370**	ug/L
ê>	Ge	74	828838	893459	8511	1.0	893459.446743		ug/L
ë	As	75	-114	9434	284	3.0	0.010698	**5.1132**	ug/L
é	Se	77	89	842	14	1.6	0.000405	**6.1947**	ug/L
ê	Se	82	3	1248	40	3.2	0.000673	**6.6083**	ug/L
ê	Mo	98	9	4482	197	4.4	0.002416	**0.6964**	ug/L
ê	Ag	107	5	6178	47	0.8	0.003335	**0.4474**	ug/L
ê	Ag	109	3	6745	185	2.7	0.003643	**0.4227**	ug/L
ê	Cd	111	4	826	29	3.5	0.000444	**0.2155**	ug/L
ê	Cd	114	23	1798	20	1.1	0.000959	**0.1974**	ug/L
ê>	In	115	1790947	1851336	25947	1.4	1851335.871223		ug/L
ê	Sn	120	169	44475	433	1.0	0.023934	**2.8706**	ug/L
ê	Sb	121	4	4363	10	0.2	0.002355	**0.3917**	ug/L
ë	Ba	138	53	33393	126	0.4	0.018011	**0.9646**	ug/L
é>	Tm	169	1556599	1638241	6393	0.4	1638241.025681		ug/L
ê	Tl	205	8	6074	232	3.8	0.003702	**0.2165**	ug/L
ë	Pb	208	191	19883	413	2.1	0.012013	**0.5360**	ug/L
	C	13	22146	28901	144	0.5	6755.050062		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	105.066
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	107.797
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	103.372
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	105.245
	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: Tuesday, March 11, 2014 23:03:04
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCBF.177
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	1	173.2	-0.000002	**-0.0126**	ug/L
ê	Mg	24	661	877	44	5.0	0.000184	**-1.0197**	ug/L
ê	Al	27	2548	3033	36	1.2	0.000343	**-0.1345**	ug/L
ê	Ca	44	5230	4483	30	0.7	-0.001139	**-3.9119**	ug/L
ê>	Sc	45	889352	945564	6304	0.7	945563.898833		ug/L
ê	Cr	52	11493	12407	222	1.8	0.000199	**-0.0158**	ug/L
ê	Cr	53	47	60	11	19.1	0.000011	**-0.0055**	ug/L
ê	Mn	55	672	756	8	1.1	0.000044	**0.0013**	ug/L
ë	Co	59	50	46	7	14.6	-0.000008	**-0.0066**	ug/L
é	Cu	65	13	22	5	23.0	0.000010	**-0.0006**	ug/L
ê	Cu	63	35	33	4	10.9	-0.000005	**-0.0036**	ug/L
ê	Zn	66	51	112	4	3.2	0.000065	**0.0345**	ug/L
ê	Zn	68	507	578	13	2.3	0.000040	**0.0145**	ug/L
ê>	Ge	74	828838	887424	18345	2.1	887424.099521		ug/L
ë	As	75	-114	-133	56	41.9	-0.000012	**-0.0075**	ug/L
é	Se	77	89	96	16	16.2	0.000002	**-0.0073**	ug/L
ê	Se	82	3	7	3	39.5	0.000002	**-0.0065**	ug/L
ê	Mo	98	9	14	3	17.4	0.000003	**-0.0023**	ug/L
ê	Ag	107	5	6	1	16.7	0.000000	**-0.0003**	ug/L
ê	Ag	109	3	6	1	20.4	0.000001	**-0.0009**	ug/L
ê	Cd	111	4	3	1	34.6	-0.000001	**-0.0011**	ug/L
ê	Cd	114	23	22	1	6.5	-0.000001	**0.0007**	ug/L
ê>	In	115	1790947	1836312	18974	1.0	1836311.802467		ug/L
ê	Sn	120	169	152	6	4.2	-0.000012	**-0.0141**	ug/L
ê	Sb	121	4	23	2	6.5	0.000010	**-0.0002**	ug/L
ë	Ba	138	53	108	48	44.7	0.000029	**0.0002**	ug/L
é>	Tm	169	1556599	1618450	13994	0.9	1618450.449960		ug/L
ê	Tl	205	8	4	1	13.3	-0.000002	**-0.0009**	ug/L
ë	Pb	208	191	200	4	1.9	0.000001	**-0.0024**	ug/L
	C	13	22146	28429	227	0.8	6282.437221		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	106.321
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	107.069
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	102.533
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	103.973
	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: Tuesday, March 11, 2014 23:28:43
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCVG.185
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	4494	26	0.6	0.004775	**3.4195**	ug/L
ê	Mg	24	661	3798519	12480	0.3	4.038194	**327.3899**	ug/L
ê	Al	27	2548	365526	1056	0.3	0.385808	**21.3976**	ug/L
ê	Ca	44	5230	361361	4782	1.3	0.378344	**603.8872**	ug/L
ê>	Sc	45	889352	940560	11672	1.2	940560.295265		ug/L
ê	Cr	52	11493	57719	431	0.7	0.048448	**3.1017**	ug/L
ê	Cr	53	47	5281	82	1.6	0.005563	**3.1015**	ug/L
ê	Mn	55	672	20605	281	1.4	0.021153	**1.0485**	ug/L
ë	Co	59	50	33960	525	1.5	0.036057	**2.0726**	ug/L
é	Cu	65	13	7791	203	2.6	0.008806	**2.0733**	ug/L
ê	Cu	63	35	16550	460	2.8	0.018694	**2.0442**	ug/L
ê	Zn	66	51	6667	56	0.8	0.007486	**4.1212**	ug/L
ê	Zn	68	507	5134	44	0.9	0.005201	**4.0595**	ug/L
ê>	Ge	74	828838	883341	6988	0.8	883340.515348		ug/L
ë	As	75	-114	9359	228	2.4	0.010733	**5.1301**	ug/L
é	Se	77	89	829	46	5.5	0.000403	**6.1683**	ug/L
ê	Se	82	3	1240	36	2.9	0.000677	**6.6440**	ug/L
ê	Mo	98	9	4411	116	2.6	0.002407	**0.6940**	ug/L
ê	Ag	107	5	6200	63	1.0	0.003388	**0.4546**	ug/L
ê	Ag	109	3	6657	149	2.2	0.003639	**0.4223**	ug/L
ê	Cd	111	4	763	6	0.8	0.000415	**0.2013**	ug/L
ê	Cd	114	23	1800	17	0.9	0.000972	**0.2001**	ug/L
ê>	In	115	1790947	1828445	9608	0.5	1828444.957481		ug/L
ê	Sn	120	169	45078	283	0.6	0.024560	**2.9459**	ug/L
ê	Sb	121	4	4379	45	1.0	0.002392	**0.3981**	ug/L
ë	Ba	138	53	33466	440	1.3	0.018274	**0.9787**	ug/L
é>	Tm	169	1556599	1616864	8855	0.5	1616864.369854		ug/L
ê	Tl	205	8	5857	53	0.9	0.003618	**0.2115**	ug/L
ë	Pb	208	191	19873	183	0.9	0.012168	**0.5430**	ug/L
	C	13	22146	28638	33	0.1	6492.187694		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	105.758
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	106.576
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	102.094
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	103.872
	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: Tuesday, March 11, 2014 23:31:57
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCBG.186
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	2	173.2	-0.000002	**-0.0123**	ug/L
ê	Mg	24	661	867	74	8.5	0.000182	**-1.0198**	ug/L
ê	Al	27	2548	3062	93	3.0	0.000405	**-0.1311**	ug/L
ê	Ca	44	5230	4568	13	0.3	-0.001003	**-3.6938**	ug/L
ê>	Sc	45	889352	936618	11260	1.2	936618.329279		ug/L
ê	Cr	52	11493	12322	346	2.8	0.000234	**-0.0136**	ug/L
ê	Cr	53	47	45	3	7.1	-0.000004	**-0.0141**	ug/L
ê	Mn	55	672	760	13	1.8	0.000056	**0.0019**	ug/L
ë	Co	59	50	47	12	26.1	-0.000006	**-0.0065**	ug/L
é	Cu	65	13	13	3	20.4	-0.000001	**-0.0032**	ug/L
ê	Cu	63	35	34	4	12.4	-0.000004	**-0.0036**	ug/L
ê	Zn	66	51	114	12	10.6	0.000066	**0.0349**	ug/L
ê	Zn	68	507	576	15	2.6	0.000032	**0.0084**	ug/L
ê>	Ge	74	828838	895555	12966	1.4	895555.476771		ug/L
ë	As	75	-114	-162	64	39.5	-0.000043	**-0.0220**	ug/L
é	Se	77	89	104	20	18.7	0.000006	**0.0556**	ug/L
ê	Se	82	3	6	16	272.6	0.000002	**-0.0121**	ug/L
ê	Mo	98	9	16	4	23.5	0.000004	**-0.0021**	ug/L
ê	Ag	107	5	7	3	42.9	0.000001	**-0.0003**	ug/L
ê	Ag	109	3	4	1	26.6	0.000001	**-0.0010**	ug/L
ê	Cd	111	4	3	2	69.3	-0.000001	**-0.0011**	ug/L
ê	Cd	114	23	21	7	32.9	-0.000001	**0.0006**	ug/L
ê>	In	115	1790947	1856328	9788	0.5	1856327.833586		ug/L
ê	Sn	120	169	138	9	6.3	-0.000020	**-0.0150**	ug/L
ê	Sb	121	4	26	4	15.3	0.000012	**0.0001**	ug/L
ë	Ba	138	53	84	2	2.1	0.000016	**-0.0005**	ug/L
é>	Tm	169	1556599	1626865	5642	0.3	1626864.978547		ug/L
ê	Tl	205	8	6	4	55.5	-0.000001	**-0.0008**	ug/L
ë	Pb	208	191	196	9	4.4	-0.000002	**-0.0025**	ug/L
	C	13	22146	28793	234	0.8	6646.832659		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	105.315
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	108.050
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	103.651
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	104.514
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140292-BS1
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Tuesday, March 11, 2014 23:35:09
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 314

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140292-BS1.187
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2060	54	2.6	0.002031	**14.4837**	ug/L
ê	Mg	24	661	1447	50	3.4	0.000685	**-9.7886**	ug/L
ê	Al	27	2548	204206	1145	0.6	0.198777	**109.5005**	ug/L
ê	Ca	44	5230	5166	93	1.8	-0.000779	**-33.3557**	ug/L
ê>	Sc	45	889352	1012840	11317	1.1	1012840.045588		ug/L
ê	Cr	52	11493	46068	107	0.2	0.032564	**20.7543**	ug/L
ê	Cr	53	47	3769	72	1.9	0.003669	**20.4169**	ug/L
ê	Mn	55	672	12405	203	1.6	0.011495	**5.6937**	ug/L
ë	Co	59	50	39499	915	2.3	0.038943	**22.3897**	ug/L
é	Cu	65	13	8853	145	1.6	0.009449	**22.2499**	ug/L
ê	Cu	63	35	19215	415	2.2	0.020499	**22.4197**	ug/L
ê	Zn	66	51	22051	185	0.8	0.023510	**129.4551**	ug/L
ê	Zn	68	507	15794	326	2.1	0.016273	**127.3760**	ug/L
ê>	Ge	74	828838	935599	9267	1.0	935598.801595		ug/L
ë	As	75	-114	1124	43	3.8	0.001340	**6.3894**	ug/L
é	Se	77	89	362	11	3.0	0.000140	**21.0600**	ug/L
ê	Se	82	3	395	15	3.7	0.000205	**19.9779**	ug/L
ê	Mo	98	9	3152	86	2.7	0.001646	**4.7346**	ug/L
ê	Ag	107	5	20836	283	1.4	0.010910	**14.6471**	ug/L
ê	Ag	109	3	22452	338	1.5	0.011759	**13.6679**	ug/L
ê	Cd	111	4	1109	36	3.2	0.000579	**2.8116**	ug/L
ê	Cd	114	23	2675	37	1.4	0.001388	**2.8552**	ug/L
ê>	In	115	1790947	1909364	19286	1.0	1909364.373953		ug/L
ê	Sn	120	169	138	5	4.0	-0.000022	**-0.1532**	ug/L
ê	Sb	121	4	2610	85	3.3	0.001365	**2.2628**	ug/L
ë	Ba	138	53	76742	624	0.8	0.040167	**21.5299**	ug/L
é>	Tm	169	1556599	1671855	17872	1.1	1671855.120016		ug/L
ê	Tl	205	8	3194	30	0.9	0.001906	**1.1104**	ug/L
ë	Pb	208	191	22381	319	1.4	0.013265	**5.9214**	ug/L
	C	13	22146	35901	192	0.5	13754.565405		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	113.885
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	112.881
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	106.612
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	107.404
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-01
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Tuesday, March 11, 2014 23:38:21
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 315

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-01.188
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	24.7	-0.000001	**-0.1148**	ug/L
ê	Mg	24	661	13273765	156701	1.2	12.995868	**10559.1369**	ug/L
ê	Al	27	2548	7919	109	1.4	0.004888	**1.1938**	ug/L
ê	Ca	44	5230	206080	3556	1.7	0.195902	**3116.7912**	ug/L
ê>	Sc	45	889352	1021407	6936	0.7	1021406.886584		ug/L
ê	Cr	52	11493	14445	174	1.2	0.001220	**0.5016**	ug/L
ê	Cr	53	47	1377	63	4.5	0.001296	**7.1344**	ug/L
ê	Mn	55	672	11827	152	1.3	0.010824	**5.3610**	ug/L
ë	Co	59	50	241	5	1.9	0.000180	**0.0426**	ug/L
é	Cu	65	13	32232	952	3.0	0.033509	**78.9816**	ug/L
ê	Cu	63	35	69850	1051	1.5	0.072605	**79.4862**	ug/L
ê	Zn	66	51	37496	1173	3.1	0.038943	**214.4381**	ug/L
ê	Zn	68	507	26590	717	2.7	0.027043	**211.7858**	ug/L
ê>	Ge	74	828838	961565	12973	1.3	961565.169243		ug/L
ë	As	75	-114	67606	2536	3.8	0.070457	**336.8469**	ug/L
é	Se	77	89	235	5	2.0	0.000074	**10.9408**	ug/L
ê	Se	82	3	118	6	5.0	0.000061	**5.7176**	ug/L
ê	Mo	98	9	120	5	4.5	0.000058	**0.1368**	ug/L
ê	Ag	107	5	77	6	7.2	0.000037	**0.0464**	ug/L
ê	Ag	109	3	74	16	21.5	0.000037	**0.0329**	ug/L
ê	Cd	111	4	47	5	9.8	0.000022	**0.1012**	ug/L
ê	Cd	114	23	132	9	6.6	0.000056	**0.1247**	ug/L
ê>	In	115	1790947	1899733	6053	0.3	1899733.475141		ug/L
ê	Sn	120	169	226	13	5.7	0.000025	**-0.0965**	ug/L
ê	Sb	121	4	24	1	4.9	0.000010	**-0.0020**	ug/L
ë	Ba	138	53	496	25	4.9	0.000232	**0.1104**	ug/L
é>	Tm	169	1556599	1675134	16578	1.0	1675134.061511		ug/L
ê	Tl	205	8	17	4	24.0	0.000005	**-0.0047**	ug/L
ë	Pb	208	191	1624	51	3.1	0.000847	**0.3551**	ug/L
	C	13	22146	106849	1461	1.4	84703.326529		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	114.848
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	116.014
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	106.074
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	107.615
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140292-DUP1
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Tuesday, March 11, 2014 23:41:33
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 316

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140292-DUP1.189
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	34.6	-0.000001	**-0.1194**	ug/L
ê	Mg	24	661	13104225	220195	1.7	12.863799	**10451.7258**	ug/L
ê	Al	27	2548	8541	159	1.9	0.005517	**1.5454**	ug/L
ê	Ca	44	5230	212121	5481	2.6	0.202359	**3220.2141**	ug/L
ê>	Sc	45	889352	1018994	19573	1.9	1018994.445095		ug/L
ê	Cr	52	11493	15012	580	3.9	0.001815	**0.8864**	ug/L
ê	Cr	53	47	1632	51	3.2	0.001549	**8.5489**	ug/L
ê	Mn	55	672	12003	255	2.1	0.011028	**5.4618**	ug/L
ë	Co	59	50	288	6	2.1	0.000226	**0.0696**	ug/L
é	Cu	65	13	32735	236	0.7	0.034183	**80.5712**	ug/L
ê	Cu	63	35	72121	521	0.7	0.075306	**82.4443**	ug/L
ê	Zn	66	51	37244	346	0.9	0.038848	**213.9161**	ug/L
ê	Zn	68	507	25698	150	0.6	0.026236	**205.4672**	ug/L
ê>	Ge	74	828838	957241	7660	0.8	957241.480557		ug/L
ë	As	75	-114	66748	366	0.5	0.069872	**334.0465**	ug/L
é	Se	77	89	255	11	4.1	0.000086	**12.8319**	ug/L
ê	Se	82	3	148	10	6.4	0.000078	**7.3728**	ug/L
ê	Mo	98	9	120	4	3.6	0.000059	**0.1395**	ug/L
ê	Ag	107	5	70	8	10.7	0.000035	**0.0426**	ug/L
ê	Ag	109	3	82	4	4.4	0.000042	**0.0385**	ug/L
ê	Cd	111	4	48	10	21.7	0.000023	**0.1054**	ug/L
ê	Cd	114	23	123	9	7.2	0.000052	**0.1165**	ug/L
ê>	In	115	1790947	1875358	26752	1.4	1875357.708357		ug/L
ê	Sn	120	169	247	10	3.9	0.000037	**-0.0816**	ug/L
ê	Sb	121	4	23	6	24.3	0.000010	**-0.0027**	ug/L
ë	Ba	138	53	506	7	1.4	0.000240	**0.1152**	ug/L
é>	Tm	169	1556599	1681014	19001	1.1	1681014.409739		ug/L
ê	Tl	205	8	14	5	32.7	0.000003	**-0.0059**	ug/L
ë	Pb	208	191	1595	48	3.0	0.000826	**0.3460**	ug/L
	C	13	22146	112374	1001	0.9	90227.443186		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	114.577
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	115.492
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	104.713
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	107.993
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140292-MS1
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Tuesday, March 11, 2014 23:44:45
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 317

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140292-MS1.190
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2068	84	4.1	0.001995	**14.2248**	ug/L
ê	Mg	24	661	12287097	177750	1.4	11.873946	**9646.6824**	ug/L
ê	Al	27	2548	200120	3030	1.5	0.190531	**104.8943**	ug/L
ê	Ca	44	5230	193680	311	0.2	0.181314	**2883.1383**	ug/L
ê>	Sc	45	889352	1034808	16341	1.6	1034808.272819		ug/L
ê	Cr	52	11493	47099	561	1.2	0.032600	**20.7774**	ug/L
ê	Cr	53	47	5164	30	0.6	0.004939	**27.5218**	ug/L
ê	Mn	55	672	22662	737	3.3	0.021144	**10.4805**	ug/L
ë	Co	59	50	39210	796	2.0	0.037843	**21.7556**	ug/L
é	Cu	65	13	43454	292	0.7	0.043970	**103.6463**	ug/L
ê	Cu	63	35	92060	1708	1.9	0.093136	**101.9720**	ug/L
ê	Zn	66	51	57673	998	1.7	0.058311	**321.0932**	ug/L
ê	Zn	68	507	40811	483	1.2	0.040702	**318.8462**	ug/L
ê>	Ge	74	828838	987989	11933	1.2	987988.691275		ug/L
ë	As	75	-114	65113	626	1.0	0.066049	**315.7720**	ug/L
é	Se	77	89	499	27	5.5	0.000213	**32.4429**	ug/L
ê	Se	82	3	543	20	3.7	0.000285	**27.7854**	ug/L
ê	Mo	98	9	3282	79	2.4	0.001726	**4.9663**	ug/L
ê	Ag	107	5	20844	214	1.0	0.010985	**14.7478**	ug/L
ê	Ag	109	3	22186	210	0.9	0.011696	**13.5951**	ug/L
ê	Cd	111	4	1116	22	1.9	0.000586	**2.8484**	ug/L
ê	Cd	114	23	2673	65	2.4	0.001396	**2.8718**	ug/L
ê>	In	115	1790947	1897159	32484	1.7	1897158.901391		ug/L
ê	Sn	120	169	203	19	9.5	0.000013	**-0.1108**	ug/L
ê	Sb	121	4	2743	30	1.1	0.001444	**2.3952**	ug/L
ë	Ba	138	53	74576	797	1.1	0.039287	**21.0577**	ug/L
é>	Tm	169	1556599	1676103	10817	0.6	1676102.631495		ug/L
ê	Tl	205	8	3054	32	1.1	0.001817	**1.0586**	ug/L
ë	Pb	208	191	23007	191	0.8	0.013604	**6.0733**	ug/L
	C	13	22146	104049	721	0.7	81903.066504		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	116.355
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	119.202
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	105.930
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	107.677
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140292-MSD1
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Tuesday, March 11, 2014 23:47:57
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 318

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140292-MSD1.191
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2072	141	6.8	0.001967	**14.0235**	ug/L
ê	Mg	24	661	12510182	632229	5.1	11.891762	**9661.1724**	ug/L
ê	Al	27	2548	201973	7589	3.8	0.189111	**104.1011**	ug/L
ê	Ca	44	5230	200012	10263	5.1	0.184270	**2930.4877**	ug/L
ê>	Sc	45	889352	1052268	11310	1.1	1052267.773643		ug/L
ê	Cr	52	11493	48353	2185	4.5	0.033045	**21.0647**	ug/L
ê	Cr	53	47	5141	263	5.1	0.004835	**26.9402**	ug/L
ê	Mn	55	672	23000	1164	5.1	0.021109	**10.4632**	ug/L
ë	Co	59	50	38489	1329	3.5	0.036530	**20.9988**	ug/L
é	Cu	65	13	41589	1466	3.5	0.042811	**100.9144**	ug/L
ê	Cu	63	35	90323	5012	5.5	0.092950	**101.7690**	ug/L
ê	Zn	66	51	55580	2118	3.8	0.057170	**314.8134**	ug/L
ê	Zn	68	507	40314	1707	4.2	0.040898	**320.3786**	ug/L
ê>	Ge	74	828838	970976	15769	1.6	970976.185687		ug/L
ë	As	75	-114	65558	2824	4.3	0.067649	**323.4183**	ug/L
é	Se	77	89	507	27	5.4	0.000219	**33.3600**	ug/L
ê	Se	82	3	552	24	4.4	0.000292	**28.5440**	ug/L
ê	Mo	98	9	3431	116	3.4	0.001820	**5.2381**	ug/L
ê	Ag	107	5	20800	936	4.5	0.011055	**14.8415**	ug/L
ê	Ag	109	3	21379	1109	5.2	0.011364	**13.2084**	ug/L
ê	Cd	111	4	1103	21	1.9	0.000584	**2.8390**	ug/L
ê	Cd	114	23	2597	155	6.0	0.001368	**2.8133**	ug/L
ê>	In	115	1790947	1880548	31384	1.7	1880548.424743		ug/L
ê	Sn	120	169	196	22	11.2	0.000010	**-0.1148**	ug/L
ê	Sb	121	4	2807	134	4.8	0.001490	**2.4712**	ug/L
ë	Ba	138	53	74052	3385	4.6	0.039338	**21.0853**	ug/L
é>	Tm	169	1556599	1690586	23931	1.4	1690586.471015		ug/L
ê	Tl	205	8	3052	206	6.7	0.001801	**1.0490**	ug/L
ë	Pb	208	191	22761	1010	4.4	0.013343	**5.9563**	ug/L
	C	13	22146	103370	3691	3.6	81223.797816		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	118.318
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	117.149
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	105.003
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	108.608
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-02
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Tuesday, March 11, 2014 23:51:08
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 319

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-02.192
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	1	100.0	-0.000002	**-0.1242**	ug/L
ê	Mg	24	661	11489737	76895	0.7	11.034984	**8964.3589**	ug/L
ê	Al	27	2548	15149	278	1.8	0.011685	**4.9906**	ug/L
ê	Ca	44	5230	190300	3914	2.1	0.176852	**2811.6745**	ug/L
ê>	Sc	45	889352	1041378	18235	1.8	1041378.246059		ug/L
ê	Cr	52	11493	15652	260	1.7	0.002113	**1.0786**	ug/L
ê	Cr	53	47	1408	41	2.9	0.001300	**7.1586**	ug/L
ê	Mn	55	672	7761	213	2.7	0.006701	**3.3157**	ug/L
ë	Co	59	50	214	5	2.2	0.000149	**0.0251**	ug/L
é	Cu	65	13	37460	635	1.7	0.038475	**90.6897**	ug/L
ê	Cu	63	35	81526	2240	2.7	0.083716	**91.6553**	ug/L
ê	Zn	66	51	33668	538	1.6	0.034533	**190.1535**	ug/L
ê	Zn	68	507	23995	346	1.4	0.024040	**188.2516**	ug/L
ê>	Ge	74	828838	973480	15874	1.6	973480.358196		ug/L
ë	As	75	-114	67719	888	1.3	0.069706	**333.2567**	ug/L
é	Se	77	89	241	16	6.7	0.000076	**11.2842**	ug/L
ê	Se	82	3	127	5	3.6	0.000065	**6.1090**	ug/L
ê	Mo	98	9	99	9	9.4	0.000047	**0.1047**	ug/L
ê	Ag	107	5	65	3	3.9	0.000031	**0.0377**	ug/L
ê	Ag	109	3	69	6	8.3	0.000035	**0.0298**	ug/L
ê	Cd	111	4	27	3	11.5	0.000012	**0.0486**	ug/L
ê	Cd	114	23	84	3	3.6	0.000031	**0.0722**	ug/L
ê>	In	115	1790947	1911121	29822	1.6	1911121.294061		ug/L
ê	Sn	120	169	139	10	7.3	-0.000022	**-0.1526**	ug/L
ê	Sb	121	4	20	4	21.8	0.000008	**-0.0053**	ug/L
ë	Ba	138	53	489	26	5.4	0.000226	**0.1077**	ug/L
é>	Tm	169	1556599	1682930	12050	0.7	1682930.273141		ug/L
ê	Tl	205	8	14	6	44.6	0.000003	**-0.0059**	ug/L
ë	Pb	208	191	1315	50	3.8	0.000659	**0.2708**	ug/L
	C	13	22146	104169	1552	1.5	82023.315007		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	117.094
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	117.451
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	106.710
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	108.116
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-03
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Tuesday, March 11, 2014 23:54:20
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 320

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-03.193
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	50.0	-0.000001	**-0.1173**	ug/L
ê	Mg	24	661	12836248	134363	1.0	12.428137	**10097.4040**	ug/L
ê	Al	27	2548	21568	93	0.4	0.018019	**8.5288**	ug/L
ê	Ca	44	5230	205808	3046	1.5	0.193405	**3076.7978**	ug/L
ê>	Sc	45	889352	1032853	8228	0.8	1032852.912843		ug/L
ê	Cr	52	11493	15465	258	1.7	0.002052	**1.0395**	ug/L
ê	Cr	53	47	1351	16	1.2	0.001256	**6.9115**	ug/L
ê	Mn	55	672	9113	226	2.5	0.008070	**3.9944**	ug/L
ë	Co	59	50	249	11	4.4	0.000184	**0.0452**	ug/L
é	Cu	65	13	22255	309	1.4	0.022721	**53.5448**	ug/L
ê	Cu	63	35	48456	287	0.6	0.049467	**54.1455**	ug/L
ê	Zn	66	51	32667	553	1.7	0.033312	**183.4293**	ug/L
ê	Zn	68	507	23567	209	0.9	0.023466	**183.7536**	ug/L
ê>	Ge	74	828838	978822	11826	1.2	978821.749667		ug/L
ë	As	75	-114	72712	168	0.2	0.074429	**355.8351**	ug/L
é	Se	77	89	240	3	1.3	0.000077	**11.3631**	ug/L
ê	Se	82	3	159	22	13.5	0.000082	**7.8484**	ug/L
ê	Mo	98	9	101	8	7.8	0.000048	**0.1089**	ug/L
ê	Ag	107	5	61	2	3.4	0.000029	**0.0357**	ug/L
ê	Ag	109	3	58	11	19.1	0.000029	**0.0234**	ug/L
ê	Cd	111	4	40	9	22.7	0.000019	**0.0826**	ug/L
ê	Cd	114	23	98	16	16.5	0.000039	**0.0888**	ug/L
ê>	In	115	1790947	1895571	8498	0.4	1895570.792677		ug/L
ê	Sn	120	169	127	6	5.0	-0.000027	**-0.1591**	ug/L
ê	Sb	121	4	22	7	29.1	0.000009	**-0.0032**	ug/L
ë	Ba	138	53	268	12	4.6	0.000112	**0.0462**	ug/L
é>	Tm	169	1556599	1676507	11590	0.7	1676507.241854		ug/L
ê	Tl	205	8	12	2	17.8	0.000002	**-0.0067**	ug/L
ë	Pb	208	191	509	6	1.2	0.000181	**0.0567**	ug/L
	C	13	22146	103826	766	0.7	81680.121448		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	116.135
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	118.096
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	105.842
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	107.703
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-04
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Tuesday, March 11, 2014 23:57:33
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 321

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-04.194
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	69.3	-0.000001	**-0.1194**	ug/L
ê	Mg	24	661	12830819	43656	0.3	12.613351	**10248.0373**	ug/L
ê	Al	27	2548	16762	148	0.9	0.013614	**6.0680**	ug/L
ê	Ca	44	5230	193382	1774	0.9	0.184243	**2930.0573**	ug/L
ê>	Sc	45	889352	1017270	12775	1.3	1017269.500383		ug/L
ê	Cr	52	11493	15711	580	3.7	0.002520	**1.3415**	ug/L
ê	Cr	53	47	1416	13	0.9	0.001340	**7.3798**	ug/L
ê	Mn	55	672	12288	212	1.7	0.011327	**5.6105**	ug/L
ë	Co	59	50	201	21	10.3	0.000141	**0.0201**	ug/L
é	Cu	65	13	41778	972	2.3	0.042889	**101.0979**	ug/L
ê	Cu	63	35	91603	1758	1.9	0.094018	**102.9376**	ug/L
ê	Zn	66	51	36064	256	0.7	0.036978	**203.6176**	ug/L
ê	Zn	68	507	25910	478	1.8	0.025996	**203.5848**	ug/L
ê>	Ge	74	828838	973837	13344	1.4	973836.911808		ug/L
ë	As	75	-114	63014	1436	2.3	0.064840	**309.9901**	ug/L
é	Se	77	89	263	14	5.1	0.000089	**13.2722**	ug/L
ê	Se	82	3	151	11	7.0	0.000078	**7.4603**	ug/L
ê	Mo	98	9	84	10	11.6	0.000039	**0.0823**	ug/L
ê	Ag	107	5	59	5	8.0	0.000028	**0.0343**	ug/L
ê	Ag	109	3	65	8	11.7	0.000033	**0.0277**	ug/L
ê	Cd	111	4	52	8	15.6	0.000025	**0.1136**	ug/L
ê	Cd	114	23	127	10	7.9	0.000054	**0.1195**	ug/L
ê>	In	115	1790947	1894566	24758	1.3	1894566.484425		ug/L
ê	Sn	120	169	147	20	13.9	-0.000017	**-0.1465**	ug/L
ê	Sb	121	4	27	7	25.7	0.000012	**0.0013**	ug/L
ë	Ba	138	53	366	17	4.6	0.000164	**0.0742**	ug/L
é>	Tm	169	1556599	1688003	19828	1.2	1688002.502873		ug/L
ê	Tl	205	8	16	3	19.7	0.000005	**-0.0051**	ug/L
ë	Pb	208	191	2946	34	1.1	0.001623	**0.7031**	ug/L
	C	13	22146	108122	1003	0.9	85975.821005		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	114.383
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	117.494
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	105.786
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	108.442
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-05
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 00:00:45
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 322

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-05.195
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	1	86.6	-0.000002	**-0.1220**	ug/L
ê	Mg	24	661	13580242	110523	0.8	12.918210	**10495.9778**	ug/L
ê	Al	27	2548	20960	523	2.5	0.017070	**7.9988**	ug/L
ê	Ca	44	5230	228301	1649	0.7	0.211294	**3363.3139**	ug/L
ê>	Sc	45	889352	1051514	19465	1.9	1051514.482712		ug/L
ê	Cr	52	11493	15751	194	1.2	0.002058	**1.0433**	ug/L
ê	Cr	53	47	1526	62	4.1	0.001399	**7.7115**	ug/L
ê	Mn	55	672	8785	242	2.8	0.007603	**3.7628**	ug/L
ë	Co	59	50	227	24	10.7	0.000159	**0.0307**	ug/L
é	Cu	65	13	35016	1157	3.3	0.036779	**86.6910**	ug/L
ê	Cu	63	35	76793	317	0.4	0.080644	**88.2910**	ug/L
ê	Zn	66	51	32164	186	0.6	0.033733	**185.7491**	ug/L
ê	Zn	68	507	22673	329	1.5	0.023212	**181.7631**	ug/L
ê>	Ge	74	828838	951755	5957	0.6	951754.640205		ug/L
ë	As	75	-114	53407	1310	2.5	0.056251	**268.9269**	ug/L
é	Se	77	89	271	17	6.3	0.000093	**13.9547**	ug/L
ê	Se	82	3	155	10	6.5	0.000081	**7.6780**	ug/L
ê	Mo	98	9	99	9	8.6	0.000048	**0.1061**	ug/L
ê	Ag	107	5	86	13	15.1	0.000042	**0.0530**	ug/L
ê	Ag	109	3	84	3	3.7	0.000043	**0.0391**	ug/L
ê	Cd	111	4	49	14	27.7	0.000024	**0.1077**	ug/L
ê	Cd	114	23	127	8	6.0	0.000054	**0.1201**	ug/L
ê>	In	115	1790947	1891342	6492	0.3	1891341.878573		ug/L
ê	Sn	120	169	212	10	4.7	0.000018	**-0.1050**	ug/L
ê	Sb	121	4	25	5	20.4	0.000011	**-0.0011**	ug/L
ë	Ba	138	53	477	17	3.6	0.000223	**0.1058**	ug/L
é>	Tm	169	1556599	1675117	32274	1.9	1675116.596319		ug/L
ê	Tl	205	8	13	5	37.3	0.000003	**-0.0063**	ug/L
ë	Pb	208	191	1906	47	2.5	0.001016	**0.4310**	ug/L
	C	13	22146	99808	1195	1.2	77661.652906		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	118.234
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	114.830
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	105.606
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	107.614
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVH

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 00:03:58
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6020

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCVH.196
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1481	64	4.3	0.001571	**1.1180**	ug/L
ê	Mg	24	661	25161629	629220	2.5	26.745231	**2174.1434**	ug/L
ê	Al	27	2548	9043333	101012	1.1	9.609787	**536.6505**	ug/L
ê	Ca	44	5230	1249462	15167	1.2	1.322210	**2115.6308**	ug/L
ê>	Sc	45	889352	940803	7324	0.8	940802.757090		ug/L
ê	Cr	52	11493	392321	5561	1.4	0.404123	**26.0829**	ug/L
ê	Cr	53	47	43360	478	1.1	0.046037	**25.7543**	ug/L
ê	Mn	55	672	505739	15719	3.1	0.536795	**26.6285**	ug/L
ë	Co	59	50	86400	3107	3.6	0.091782	**5.2851**	ug/L
é	Cu	65	13	38399	802	2.1	0.042266	**9.9628**	ug/L
ê	Cu	63	35	83384	1203	1.4	0.091778	**10.0485**	ug/L
ê	Zn	66	51	81980	1914	2.3	0.090208	**49.6748**	ug/L
ê	Zn	68	507	58475	601	1.0	0.063784	**49.9758**	ug/L
ê>	Ge	74	828838	908107	11173	1.2	908107.259284		ug/L
ë	As	75	-114	19330	296	1.5	0.021425	**10.2420**	ug/L
é	Se	77	89	1384	34	2.5	0.000702	**10.7646**	ug/L
ê	Se	82	3	2116	6	0.3	0.001148	**11.2986**	ug/L
ê	Mo	98	9	37731	712	1.9	0.020498	**5.9333**	ug/L
ê	Ag	107	5	31686	840	2.7	0.017218	**2.3117**	ug/L
ê	Ag	109	3	33788	355	1.1	0.018360	**2.1347**	ug/L
ê	Cd	111	4	3688	172	4.7	0.002001	**0.9745**	ug/L
ê	Cd	114	23	8692	76	0.9	0.004710	**0.9666**	ug/L
ê>	In	115	1790947	1840205	9748	0.5	1840205.148565		ug/L
ê	Sn	120	169	38535	962	2.5	0.020845	**2.4985**	ug/L
ê	Sb	121	4	11168	164	1.5	0.006066	**1.0122**	ug/L
ë	Ba	138	53	818218	11351	1.4	0.444602	**23.8449**	ug/L
é>	Tm	169	1556599	1618239	3283	0.2	1618238.694968		ug/L
ê	Tl	205	8	14719	79	0.5	0.009091	**0.5327**	ug/L
ë	Pb	208	191	96301	1078	1.1	0.059387	**2.6594**	ug/L
	C	13	22146	28897	519	1.8	6750.713741		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	105.785
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	109.564
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	102.750
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	103.960
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBH

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 00:07:10
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCBH.197
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	24.7	-0.000001	**-0.0114**	ug/L
ê	Mg	24	661	1514	246	16.2	0.000859	**-0.9648**	ug/L
ê	Al	27	2548	2934	61	2.1	0.000242	**-0.1402**	ug/L
ê	Ca	44	5230	4608	33	0.7	-0.001001	**-3.6902**	ug/L
ê>	Sc	45	889352	944898	26468	2.8	944898.265453		ug/L
ê	Cr	52	11493	13410	138	1.0	0.001279	**0.0540**	ug/L
ê	Cr	53	47	74	2	3.0	0.000026	**0.0029**	ug/L
ê	Mn	55	672	753	16	2.1	0.000042	**0.0012**	ug/L
ë	Co	59	50	52	6	12.1	-0.000001	**-0.0062**	ug/L
é	Cu	65	13	25	6	23.8	0.000012	**-0.0002**	ug/L
ê	Cu	63	35	54	6	11.2	0.000017	**-0.0012**	ug/L
ê	Zn	66	51	67	19	28.0	0.000013	**0.0058**	ug/L
ê	Zn	68	507	525	6	1.1	-0.000033	**-0.0421**	ug/L
ê>	Ge	74	828838	907778	10696	1.2	907777.718030		ug/L
ë	As	75	-114	-157	13	8.3	-0.000035	**-0.0185**	ug/L
é	Se	77	89	109	12	11.1	0.000010	**0.1041**	ug/L
ê	Se	82	3	15	4	27.1	0.000007	**0.0401**	ug/L
ê	Mo	98	9	15	4	24.9	0.000003	**-0.0022**	ug/L
ê	Ag	107	5	8	2	25.0	0.000001	**-0.0002**	ug/L
ê	Ag	109	3	8	2	25.0	0.000003	**-0.0007**	ug/L
ê	Cd	111	4	2	2	65.5	-0.000001	**-0.0013**	ug/L
ê	Cd	114	23	24	3	13.1	0.000000	**0.0010**	ug/L
ê>	In	115	1790947	1840722	4017	0.2	1840721.569977		ug/L
ê	Sn	120	169	353	11	3.0	0.000097	**-0.0009**	ug/L
ê	Sb	121	4	24	2	8.8	0.000010	**-0.0001**	ug/L
ë	Ba	138	53	73	3	4.2	0.000010	**-0.0008**	ug/L
é>	Tm	169	1556599	1627883	8749	0.5	1627882.954023		ug/L
ê	Tl	205	8	8	3	30.2	0.000000	**-0.0008**	ug/L
ë	Pb	208	191	224	7	3.1	0.000015	**-0.0018**	ug/L
	C	13	22146	28530	588	2.1	6383.645530		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	106.246
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	109.524
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	102.779
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	104.579
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-06
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 00:10:24
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 323

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-06.198
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	2	173.2	-0.000002	**-0.1242**	ug/L
ê	Mg	24	661	12994035	200118	1.5	12.471899	**10132.9949**	ug/L
ê	Al	27	2548	15539	765	4.9	0.012055	**5.1973**	ug/L
ê	Ca	44	5230	189009	2583	1.4	0.175537	**2790.6142**	ug/L
ê>	Sc	45	889352	1041892	9366	0.9	1041891.592877		ug/L
ê	Cr	52	11493	15162	297	2.0	0.001631	**0.7675**	ug/L
ê	Cr	53	47	1627	65	4.0	0.001509	**8.3265**	ug/L
ê	Mn	55	672	8249	182	2.2	0.007163	**3.5445**	ug/L
ë	Co	59	50	173	7	3.8	0.000109	**0.0021**	ug/L
é	Cu	65	13	39130	677	1.7	0.040468	**95.3885**	ug/L
ê	Cu	63	35	84563	332	0.4	0.087456	**95.7511**	ug/L
ê	Zn	66	51	35232	561	1.6	0.036390	**200.3818**	ug/L
ê	Zn	68	507	24863	242	1.0	0.025113	**196.6590**	ug/L
ê>	Ge	74	828838	966533	10661	1.1	966532.671306		ug/L
ë	As	75	-114	53947	479	0.9	0.055954	**267.5065**	ug/L
é	Se	77	89	265	16	6.1	0.000092	**13.7493**	ug/L
ê	Se	82	3	150	11	7.3	0.000079	**7.5065**	ug/L
ê	Mo	98	9	78	6	7.7	0.000037	**0.0747**	ug/L
ê	Ag	107	5	64	7	10.9	0.000031	**0.0382**	ug/L
ê	Ag	109	3	64	7	11.5	0.000033	**0.0276**	ug/L
ê	Cd	111	4	18	2	8.6	0.000007	**0.0266**	ug/L
ê	Cd	114	23	80	9	11.3	0.000030	**0.0701**	ug/L
ê>	In	115	1790947	1869052	29986	1.6	1869051.850245		ug/L
ê	Sn	120	169	125	4	3.3	-0.000028	**-0.1597**	ug/L
ê	Sb	121	4	16	4	22.5	0.000006	**-0.0086**	ug/L
ë	Ba	138	53	298	15	5.0	0.000130	**0.0561**	ug/L
é>	Tm	169	1556599	1675508	1790	0.1	1675508.368932		ug/L
ê	Tl	205	8	16	4	25.8	0.000004	**-0.0053**	ug/L
ë	Pb	208	191	1393	20	1.4	0.000709	**0.2933**	ug/L
	C	13	22146	102862	2087	2.0	80716.273486		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	117.152
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	116.613
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	104.361
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	107.639
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-07
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 00:13:37
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 324

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-07.199
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	34.6	-0.000001	**-0.1196**	ug/L
ê	Mg	24	661	12718337	120143	0.9	12.255854	**9957.2868**	ug/L
ê	Al	27	2548	14884	262	1.8	0.011479	**4.8758**	ug/L
ê	Ca	44	5230	211210	5489	2.6	0.197659	**3144.9364**	ug/L
ê>	Sc	45	889352	1037669	1158	0.1	1037668.758593		ug/L
ê	Cr	52	11493	15757	580	3.7	0.002262	**1.1750**	ug/L
ê	Cr	53	47	1746	42	2.4	0.001630	**9.0040**	ug/L
ê	Mn	55	672	8019	79	1.0	0.006973	**3.4504**	ug/L
ë	Co	59	50	222	8	3.8	0.000157	**0.0295**	ug/L
é	Cu	65	13	33484	389	1.2	0.034410	**81.1057**	ug/L
ê	Cu	63	35	73759	436	0.6	0.075791	**82.9753**	ug/L
ê	Zn	66	51	38327	698	1.8	0.039348	**216.6726**	ug/L
ê	Zn	68	507	26907	428	1.6	0.027052	**211.8617**	ug/L
ê>	Ge	74	828838	972915	16606	1.7	972914.532273		ug/L
ë	As	75	-114	70632	1585	2.2	0.072749	**347.8054**	ug/L
é	Se	77	89	275	4	1.5	0.000095	**14.1505**	ug/L
ê	Se	82	3	166	36	21.5	0.000086	**8.1659**	ug/L
ê	Mo	98	9	88	6	6.3	0.000041	**0.0881**	ug/L
ê	Ag	107	5	131	11	8.7	0.000066	**0.0848**	ug/L
ê	Ag	109	3	136	6	4.2	0.000070	**0.0711**	ug/L
ê	Cd	111	4	60	6	10.4	0.000029	**0.1344**	ug/L
ê	Cd	114	23	166	19	11.2	0.000074	**0.1615**	ug/L
ê>	In	115	1790947	1900457	17421	0.9	1900457.408065		ug/L
ê	Sn	120	169	146	8	5.6	-0.000017	**-0.1473**	ug/L
ê	Sb	121	4	26	7	25.3	0.000011	**-0.0003**	ug/L
ë	Ba	138	53	297	5	1.7	0.000127	**0.0542**	ug/L
é>	Tm	169	1556599	1690895	10973	0.6	1690895.111974		ug/L
ê	Tl	205	8	14	4	25.8	0.000003	**-0.0059**	ug/L
ë	Pb	208	191	1250	32	2.5	0.000616	**0.2520**	ug/L
	C	13	22146	105285	1309	1.2	83138.428988		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	116.677
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	117.383
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	106.115
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	108.628
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-08
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 00:16:49
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 325

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-08.200
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	0	0.0	-0.000002	**-0.1242**	ug/L
ê	Mg	24	661	12896285	60152	0.5	12.609806	**10245.1541**	ug/L
ê	Al	27	2548	6111	103	1.7	0.003110	**0.2009**	ug/L
ê	Ca	44	5230	203892	2896	1.4	0.193519	**3078.6219**	ug/L
ê>	Sc	45	889352	1022874	16891	1.7	1022874.496363		ug/L
ê	Cr	52	11493	15827	731	4.6	0.002545	**1.3581**	ug/L
ê	Cr	53	47	1631	33	2.0	0.001543	**8.5175**	ug/L
ê	Mn	55	672	6766	67	1.0	0.005860	**2.8981**	ug/L
ë	Co	59	50	149	5	3.0	0.000089	**-0.0098**	ug/L
é	Cu	65	13	38319	241	0.6	0.039880	**94.0030**	ug/L
ê	Cu	63	35	84747	1445	1.7	0.088204	**96.5710**	ug/L
ê	Zn	66	51	34067	619	1.8	0.035405	**194.9590**	ug/L
ê	Zn	68	507	24375	279	1.1	0.024768	**193.9584**	ug/L
ê>	Ge	74	828838	960497	8852	0.9	960496.872925		ug/L
ë	As	75	-114	62804	1253	2.0	0.065530	**313.2887**	ug/L
é	Se	77	89	260	23	8.9	0.000087	**13.0042**	ug/L
ê	Se	82	3	136	13	9.2	0.000070	**6.6574**	ug/L
ê	Mo	98	9	70	6	8.5	0.000032	**0.0608**	ug/L
ê	Ag	107	5	61	5	8.5	0.000029	**0.0355**	ug/L
ê	Ag	109	3	59	8	14.2	0.000029	**0.0237**	ug/L
ê	Cd	111	4	37	5	12.3	0.000017	**0.0750**	ug/L
ê	Cd	114	23	106	17	15.6	0.000043	**0.0969**	ug/L
ê>	In	115	1790947	1893409	10833	0.6	1893408.807254		ug/L
ê	Sn	120	169	235	22	9.4	0.000030	**-0.0905**	ug/L
ê	Sb	121	4	26	7	25.3	0.000011	**-0.0002**	ug/L
ë	Ba	138	53	283	13	4.6	0.000120	**0.0506**	ug/L
é>	Tm	169	1556599	1690035	8868	0.5	1690034.868231		ug/L
ê	Tl	205	8	13	5	33.8	0.000003	**-0.0061**	ug/L
ë	Pb	208	191	1706	70	4.1	0.000887	**0.3733**	ug/L
	C	13	22146	100337	978	1.0	78190.997350		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	115.013
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	115.885
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	105.721
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	108.572
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-09
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 00:20:00
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 326

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-09.201
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	2	100.0	-0.000001	**-0.1167**	ug/L
ê	Mg	24	661	29810968	565558	1.9	30.196975	**24548.7223**	ug/L
ê	Al	27	2548	21823	279	1.3	0.019242	**9.2122**	ug/L
ê	Ca	44	5230	3805726	60180	1.6	3.849045	**61627.3576**	ug/L
ê>	Sc	45	889352	987223	5416	0.5	987223.355184		ug/L
ê	Cr	52	11493	15123	285	1.9	0.002396	**1.2614**	ug/L
ê	Cr	53	47	2421	95	3.9	0.002400	**13.3124**	ug/L
ê	Mn	55	672	6104	137	2.2	0.005429	**2.6843**	ug/L
ë	Co	59	50	382	20	5.3	0.000330	**0.1294**	ug/L
é	Cu	65	13	1297	19	1.5	0.001359	**3.1749**	ug/L
ê	Cu	63	35	5073	63	1.2	0.005332	**5.8086**	ug/L
ê	Zn	66	51	2471	42	1.7	0.002557	**14.0677**	ug/L
ê	Zn	68	507	2185	16	0.7	0.001703	**13.1824**	ug/L
ê>	Ge	74	828838	943869	1923	0.2	943869.401146		ug/L
ë	As	75	-114	1115	39	3.5	0.001319	**6.2897**	ug/L
é	Se	77	89	296	21	6.9	0.000107	**16.0764**	ug/L
ê	Se	82	3	199	5	2.6	0.000104	**9.9939**	ug/L
ê	Mo	98	9	1809	49	2.7	0.000955	**2.7338**	ug/L
ê	Ag	107	5	61	1	1.9	0.000029	**0.0355**	ug/L
ê	Ag	109	3	56	1	2.1	0.000028	**0.0220**	ug/L
ê	Cd	111	4	6	2	36.7	0.000001	**-0.0047**	ug/L
ê	Cd	114	23	36	3	8.7	0.000006	**0.0218**	ug/L
ê>	In	115	1790947	1884275	9238	0.5	1884275.234462		ug/L
ê	Sn	120	169	176	17	9.8	-0.000001	**-0.1277**	ug/L
ê	Sb	121	4	25	2	6.2	0.000011	**-0.0010**	ug/L
ë	Ba	138	53	2658	101	3.8	0.001381	**0.7271**	ug/L
é>	Tm	169	1556599	1673263	25526	1.5	1673263.446457		ug/L
ê	Tl	205	8	9	4	43.7	0.000000	**-0.0077**	ug/L
ë	Pb	208	191	3412	113	3.3	0.001917	**0.8348**	ug/L
	C	13	22146	79428	1603	2.0	57281.766139		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	111.005
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	113.879
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	105.211
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	107.495
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140292-DUP2
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 00:23:12
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 327

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140292-DUP2.202
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	1	86.6	-0.000002	**-0.1263**	ug/L
ê	Mg	24	661	29982766	397372	1.3	30.518340	**24810.0874**	ug/L
ê	Al	27	2548	18651	1245	6.7	0.016105	**7.4596**	ug/L
ê	Ca	44	5230	3857185	38309	1.0	3.920875	**62777.8097**	ug/L
ê>	Sc	45	889352	982575	20951	2.1	982575.032696		ug/L
ê	Cr	52	11493	15458	608	3.9	0.002816	**1.5331**	ug/L
ê	Cr	53	47	2303	11	0.5	0.002292	**12.7080**	ug/L
ê	Mn	55	672	6351	80	1.3	0.005710	**2.8236**	ug/L
ë	Co	59	50	391	19	4.7	0.000341	**0.1357**	ug/L
é	Cu	65	13	1402	22	1.6	0.001506	**3.5213**	ug/L
ê	Cu	63	35	5277	59	1.1	0.005684	**6.1933**	ug/L
ê	Zn	66	51	3099	4	0.1	0.003300	**18.1599**	ug/L
ê	Zn	68	507	2639	105	4.0	0.002252	**17.4852**	ug/L
ê>	Ge	74	828838	922015	15360	1.7	922014.737481		ug/L
ë	As	75	-114	1073	121	11.3	0.001303	**6.2144**	ug/L
é	Se	77	89	284	11	3.9	0.000099	**14.8199**	ug/L
ê	Se	82	3	200	22	10.9	0.000104	**9.9488**	ug/L
ê	Mo	98	9	1766	59	3.3	0.000922	**2.6393**	ug/L
ê	Ag	107	5	71	13	18.4	0.000034	**0.0423**	ug/L
ê	Ag	109	3	67	6	8.5	0.000033	**0.0283**	ug/L
ê	Cd	111	4	8	4	50.0	0.000002	**0.0011**	ug/L
ê	Cd	114	23	40	4	11.0	0.000008	**0.0254**	ug/L
ê>	In	115	1790947	1905164	5654	0.3	1905164.299089		ug/L
ê	Sn	120	169	210	16	7.6	0.000016	**-0.1070**	ug/L
ê	Sb	121	4	29	7	25.2	0.000013	**0.0023**	ug/L
ë	Ba	138	53	2598	63	2.4	0.001334	**0.7018**	ug/L
é>	Tm	169	1556599	1693943	15233	0.9	1693942.617598		ug/L
ê	Tl	205	8	8	4	49.4	-0.000000	**-0.0081**	ug/L
ë	Pb	208	191	2653	48	1.8	0.001444	**0.6227**	ug/L
	C	13	22146	78476	771	1.0	56329.479232		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	110.482
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	111.242
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	106.377
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	108.823
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140292-MS2
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 00:26:24
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 328

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140292-MS2.203
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2082	68	3.3	0.002084	**14.8594**	ug/L
ê	Mg	24	661	32687013	200716	0.6	32.757614	**26631.2790**	ug/L
ê	Al	27	2548	217782	673	0.3	0.215398	**118.7849**	ug/L
ê	Ca	44	5230	4749665	40204	0.8	4.754036	**76122.1425**	ug/L
ê>	Sc	45	889352	997855	8496	0.9	997854.789410		ug/L
ê	Cr	52	11493	45708	569	1.2	0.032889	**20.9638**	ug/L
ê	Cr	53	47	5826	146	2.5	0.005786	**32.2666**	ug/L
ê	Mn	55	672	18279	374	2.0	0.017563	**8.7037**	ug/L
ë	Co	59	50	38021	139	0.4	0.038047	**21.8734**	ug/L
é	Cu	65	13	9723	143	1.5	0.010549	**24.8451**	ug/L
ê	Cu	63	35	22903	518	2.3	0.024835	**27.1679**	ug/L
ê	Zn	66	51	23808	261	1.1	0.025802	**142.0761**	ug/L
ê	Zn	68	507	17022	191	1.1	0.017882	**139.9894**	ug/L
ê>	Ge	74	828838	920666	20567	2.2	920666.451876		ug/L
ë	As	75	-114	2411	19	0.8	0.002758	**13.1704**	ug/L
é	Se	77	89	534	14	2.6	0.000232	**35.2989**	ug/L
ê	Se	82	3	599	15	2.6	0.000315	**30.7827**	ug/L
ê	Mo	98	9	5149	107	2.1	0.002713	**7.8254**	ug/L
ê	Ag	107	5	20216	187	0.9	0.010667	**14.3202**	ug/L
ê	Ag	109	3	21695	300	1.4	0.011449	**13.3077**	ug/L
ê	Cd	111	4	1098	10	0.9	0.000577	**2.8057**	ug/L
ê	Cd	114	23	2684	67	2.5	0.001404	**2.8878**	ug/L
ê>	In	115	1790947	1894670	22460	1.2	1894670.230830		ug/L
ê	Sn	120	169	228	9	4.0	0.000026	**-0.0950**	ug/L
ê	Sb	121	4	2787	116	4.2	0.001468	**2.4356**	ug/L
ë	Ba	138	53	79985	1406	1.8	0.042185	**22.6122**	ug/L
é>	Tm	169	1556599	1680618	32259	1.9	1680618.315609		ug/L
ê	Tl	205	8	3082	66	2.1	0.001829	**1.0653**	ug/L
ë	Pb	208	191	23696	453	1.9	0.013977	**6.2402**	ug/L
	C	13	22146	79947	1422	1.8	57800.970931		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	112.200
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	111.079
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	105.792
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	107.967
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140292-MSD2
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 00:29:36
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 329

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140292-MSD2.204
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2147	29	1.3	0.002152	**15.3533**	ug/L
ê	Mg	24	661	26841906	327291	1.2	26.945811	**21904.5654**	ug/L
ê	Al	27	2548	231156	3730	1.6	0.229197	**126.4934**	ug/L
ê	Ca	44	5230	1463075	31535	2.2	1.463018	**23411.5537**	ug/L
ê>	Sc	45	889352	996174	11189	1.1	996173.787919		ug/L
ê	Cr	52	11493	46980	1164	2.5	0.034240	**21.8370**	ug/L
ê	Cr	53	47	6092	247	4.0	0.006063	**33.8177**	ug/L
ê	Mn	55	672	15612	192	1.2	0.014919	**7.3922**	ug/L
ë	Co	59	50	39219	521	1.3	0.039316	**22.6050**	ug/L
é	Cu	65	13	9732	182	1.9	0.010387	**24.4631**	ug/L
ê	Cu	63	35	23342	284	1.2	0.024915	**27.2556**	ug/L
ê	Zn	66	51	23620	125	0.5	0.025191	**138.7112**	ug/L
ê	Zn	68	507	16726	119	0.7	0.017272	**135.2055**	ug/L
ê>	Ge	74	828838	935404	10098	1.1	935403.629996		ug/L
ë	As	75	-114	2467	131	5.3	0.002777	**13.2597**	ug/L
é	Se	77	89	528	4	0.8	0.000225	**34.1418**	ug/L
ê	Se	82	3	599	39	6.5	0.000310	**30.2935**	ug/L
ê	Mo	98	9	4531	95	2.1	0.002351	**6.7784**	ug/L
ê	Ag	107	5	20580	274	1.3	0.010700	**14.3639**	ug/L
ê	Ag	109	3	21994	597	2.7	0.011436	**13.2930**	ug/L
ê	Cd	111	4	1124	39	3.5	0.000582	**2.8291**	ug/L
ê	Cd	114	23	2680	36	1.3	0.001381	**2.8407**	ug/L
ê>	In	115	1790947	1922923	14752	0.8	1922922.805084		ug/L
ê	Sn	120	169	211	84	39.6	0.000016	**-0.1075**	ug/L
ê	Sb	121	4	2875	48	1.7	0.001492	**2.4762**	ug/L
ë	Ba	138	53	80211	1195	1.5	0.041683	**22.3428**	ug/L
é>	Tm	169	1556599	1682371	5432	0.3	1682371.207394		ug/L
ê	Tl	205	8	3147	74	2.4	0.001865	**1.0868**	ug/L
ë	Pb	208	191	23105	176	0.8	0.013611	**6.0762**	ug/L
	C	13	22146	77211	481	0.6	55064.941713		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	112.011
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	112.857
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	107.369
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	108.080
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-10
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 00:32:48
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 330

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-10.205
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	4	3	66.1	0.000001	**-0.1022**	ug/L
ê	Mg	24	661	30612014	242611	0.8	30.846454	**25076.9412**	ug/L
ê	Al	27	2548	295480	5592	1.9	0.294817	**163.1488**	ug/L
ê	Ca	44	5230	3220526	79361	2.5	3.238246	**51844.4808**	ug/L
ê>	Sc	45	889352	992682	20992	2.1	992682.173691		ug/L
ê	Cr	52	11493	16780	456	2.7	0.003979	**2.2844**	ug/L
ê	Cr	53	47	2330	15	0.6	0.002296	**12.7311**	ug/L
ê	Mn	55	672	11301	94	0.8	0.010633	**5.2662**	ug/L
ë	Co	59	50	657	39	6.0	0.000605	**0.2876**	ug/L
é	Cu	65	13	1178	20	1.7	0.001261	**2.9440**	ug/L
ê	Cu	63	35	4844	53	1.1	0.005208	**5.6724**	ug/L
ê	Zn	66	51	3054	104	3.4	0.003248	**17.8751**	ug/L
ê	Zn	68	507	2620	46	1.7	0.002227	**17.2904**	ug/L
ê>	Ge	74	828838	922835	3191	0.3	922835.130388		ug/L
ë	As	75	-114	1465	53	3.6	0.001726	**8.2342**	ug/L
é	Se	77	89	263	9	3.6	0.000088	**13.0480**	ug/L
ê	Se	82	3	204	3	1.6	0.000105	**10.1185**	ug/L
ê	Mo	98	9	1105	9	0.8	0.000573	**1.6288**	ug/L
ê	Ag	107	5	49	6	11.4	0.000023	**0.0266**	ug/L
ê	Ag	109	3	48	8	16.6	0.000024	**0.0170**	ug/L
ê	Cd	111	4	10	2	15.8	0.000003	**0.0052**	ug/L
ê	Cd	114	23	38	8	21.4	0.000007	**0.0233**	ug/L
ê>	In	115	1790947	1911590	24752	1.3	1911589.518882		ug/L
ê	Sn	120	169	236	9	3.6	0.000029	**-0.0910**	ug/L
ê	Sb	121	4	32	9	29.2	0.000014	**0.0054**	ug/L
ë	Ba	138	53	2552	38	1.5	0.001306	**0.6868**	ug/L
é>	Tm	169	1556599	1697973	12826	0.8	1697972.966160		ug/L
ê	Tl	205	8	12	2	18.7	0.000002	**-0.0065**	ug/L
ë	Pb	208	191	2289	38	1.7	0.001225	**0.5249**	ug/L
	C	13	22146	83578	1497	1.8	61432.337477		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	111.619
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	111.341
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	106.736
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	109.082
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-11
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 00:36:01
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 331

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-11.206
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	1	100.0	-0.000002	**-0.1239**	ug/L
ê	Mg	24	661	30426674	327618	1.1	30.829091	**25062.8195**	ug/L
ê	Al	27	2548	94818	1115	1.2	0.093198	**50.5241**	ug/L
ê	Ca	44	5230	2911766	37236	1.3	2.944211	**47135.0756**	ug/L
ê>	Sc	45	889352	987086	11295	1.1	987085.718500		ug/L
ê	Cr	52	11493	15574	376	2.4	0.002857	**1.5597**	ug/L
ê	Cr	53	47	1801	30	1.7	0.001772	**9.8005**	ug/L
ê	Mn	55	672	6201	68	1.1	0.005527	**2.7333**	ug/L
ë	Co	59	50	508	36	7.2	0.000458	**0.2033**	ug/L
é	Cu	65	13	1117	9	0.8	0.001200	**2.7994**	ug/L
ê	Cu	63	35	4726	130	2.8	0.005098	**5.5517**	ug/L
ê	Zn	66	51	2765	105	3.8	0.002945	**16.2068**	ug/L
ê	Zn	68	507	2431	16	0.6	0.002032	**15.7638**	ug/L
ê>	Ge	74	828838	919504	4395	0.5	919504.162063		ug/L
ë	As	75	-114	1044	88	8.4	0.001274	**6.0731**	ug/L
é	Se	77	89	271	21	7.6	0.000092	**13.6974**	ug/L
ê	Se	82	3	198	17	8.6	0.000102	**9.7636**	ug/L
ê	Mo	98	9	3809	62	1.6	0.001983	**5.7114**	ug/L
ê	Ag	107	5	55	14	24.5	0.000026	**0.0310**	ug/L
ê	Ag	109	3	60	6	9.4	0.000030	**0.0242**	ug/L
ê	Cd	111	4	12	5	38.3	0.000004	**0.0121**	ug/L
ê	Cd	114	23	39	8	19.1	0.000008	**0.0248**	ug/L
ê>	In	115	1790947	1916016	22602	1.2	1916016.241629		ug/L
ê	Sn	120	169	178	25	14.1	-0.000001	**-0.1281**	ug/L
ê	Sb	121	4	25	6	24.0	0.000011	**-0.0010**	ug/L
ë	Ba	138	53	1981	25	1.2	0.001005	**0.5252**	ug/L
é>	Tm	169	1556599	1693538	10469	0.6	1693538.218313		ug/L
ê	Tl	205	8	7	4	52.7	-0.000001	**-0.0085**	ug/L
ë	Pb	208	191	1604	66	4.1	0.000824	**0.3451**	ug/L
	C	13	22146	83848	1350	1.6	61701.900483		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	110.989
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	110.939
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	106.983
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	108.797
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVI

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 00:39:15
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6020

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCVI.207
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1482	65	4.4	0.001613	**1.1475**	ug/L
ê	Mg	24	661	25724791	392732	1.5	28.039036	**2279.3680**	ug/L
ê	Al	27	2548	9210347	176493	1.9	10.035905	**560.4535**	ug/L
ê	Ca	44	5230	1208233	12620	1.0	1.310793	**2097.3444**	ug/L
ê>	Sc	45	889352	917678	13382	1.5	917677.528461		ug/L
ê	Cr	52	11493	373628	4712	1.3	0.394242	**25.4444**	ug/L
ê	Cr	53	47	42862	1031	2.4	0.046652	**26.0985**	ug/L
ê	Mn	55	672	479436	6397	1.3	0.521709	**25.8801**	ug/L
ë	Co	59	50	84923	702	0.8	0.092496	**5.3263**	ug/L
é	Cu	65	13	38321	603	1.6	0.044171	**10.4120**	ug/L
ê	Cu	63	35	82887	911	1.1	0.095533	**10.4597**	ug/L
ê	Zn	66	51	79755	810	1.0	0.091901	**50.6069**	ug/L
ê	Zn	68	507	56609	1240	2.2	0.064663	**50.6643**	ug/L
ê>	Ge	74	828838	867254	355	0.0	867254.378357		ug/L
ë	As	75	-114	18296	500	2.7	0.021235	**10.1511**	ug/L
é	Se	77	89	1291	50	3.9	0.000644	**9.8694**	ug/L
ê	Se	82	3	1991	51	2.6	0.001068	**10.5003**	ug/L
ê	Mo	98	9	35750	375	1.0	0.019196	**5.5563**	ug/L
ê	Ag	107	5	31194	169	0.5	0.016752	**2.2492**	ug/L
ê	Ag	109	3	34417	151	0.4	0.018484	**2.1492**	ug/L
ê	Cd	111	4	3786	66	1.7	0.002031	**0.9889**	ug/L
ê	Cd	114	23	8746	166	1.9	0.004685	**0.9615**	ug/L
ê>	In	115	1790947	1861838	15313	0.8	1861837.857618		ug/L
ê	Sn	120	169	39390	483	1.2	0.021062	**2.5245**	ug/L
ê	Sb	121	4	11346	122	1.1	0.006091	**1.0164**	ug/L
ë	Ba	138	53	842384	5349	0.6	0.452424	**24.2645**	ug/L
é>	Tm	169	1556599	1651610	18461	1.1	1651609.868276		ug/L
ê	Tl	205	8	14761	27	0.2	0.008933	**0.5234**	ug/L
ë	Pb	208	191	98038	909	0.9	0.059238	**2.6527**	ug/L
	C	13	22146	29093	459	1.6	6946.442366		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	103.185
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	104.635
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	103.958
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	106.104
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBI

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 00:42:28
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCBI.208
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	1	100.0	-0.000002	**-0.0123**	ug/L
ê	Mg	24	661	1857	895	48.2	0.001271	**-0.9313**	ug/L
ê	Al	27	2548	3162	429	13.6	0.000557	**-0.1225**	ug/L
ê	Ca	44	5230	4493	100	2.2	-0.001021	**-3.7224**	ug/L
ê>	Sc	45	889352	924610	10368	1.1	924610.308631		ug/L
ê	Cr	52	11493	12605	68	0.5	0.000710	**0.0172**	ug/L
ê	Cr	53	47	85	0	0.5	0.000039	**0.0100**	ug/L
ê	Mn	55	672	747	36	4.9	0.000053	**0.0017**	ug/L
ë	Co	59	50	46	2	3.3	-0.000006	**-0.0065**	ug/L
é	Cu	65	13	32	8	23.7	0.000021	**0.0019**	ug/L
ê	Cu	63	35	54	2	3.9	0.000020	**-0.0010**	ug/L
ê	Zn	66	51	74	10	12.9	0.000023	**0.0116**	ug/L
ê	Zn	68	507	547	20	3.7	0.000015	**-0.0052**	ug/L
ê>	Ge	74	828838	874480	2125	0.2	874479.929460		ug/L
ë	As	75	-114	-171	18	10.6	-0.000058	**-0.0294**	ug/L
é	Se	77	89	106	2	2.0	0.000007	**0.0658**	ug/L
ê	Se	82	3	7	7	104.3	0.000002	**-0.0065**	ug/L
ê	Mo	98	9	19	8	43.2	0.000005	**-0.0017**	ug/L
ê	Ag	107	5	8	2	18.3	0.000002	**-0.0002**	ug/L
ê	Ag	109	3	8	3	34.6	0.000003	**-0.0007**	ug/L
ê	Cd	111	4	6	1	10.2	0.000001	**-0.0005**	ug/L
ê	Cd	114	23	24	3	11.3	-0.000000	**0.0009**	ug/L
ê>	In	115	1790947	1857146	18775	1.0	1857145.537701		ug/L
ê	Sn	120	169	351	16	4.5	0.000094	**-0.0013**	ug/L
ê	Sb	121	4	26	3	11.9	0.000011	**0.0000**	ug/L
ë	Ba	138	53	72	7	9.9	0.000009	**-0.0009**	ug/L
é>	Tm	169	1556599	1651932	14404	0.9	1651931.802658		ug/L
ê	Tl	205	8	9	0	0.0	0.000001	**-0.0008**	ug/L
ë	Pb	208	191	210	12	5.8	0.000005	**-0.0022**	ug/L
	C	13	22146	28643	184	0.6	6496.530484		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	103.964
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	105.507
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	103.696
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	106.124
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-12
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 00:45:41
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 332

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-12.209
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	49.5	-0.000001	**-0.1141**	ug/L
ê	Mg	24	661	30511343	611430	2.0	31.123951	**25302.6283**	ug/L
ê	Al	27	2548	39061	316	0.8	0.036980	**19.1207**	ug/L
ê	Ca	44	5230	3560368	58076	1.6	3.625971	**58054.4804**	ug/L
ê>	Sc	45	889352	980353	3748	0.4	980352.928152		ug/L
ê	Cr	52	11493	16990	408	2.4	0.004408	**2.5616**	ug/L
ê	Cr	53	47	1941	33	1.7	0.001927	**10.6686**	ug/L
ê	Mn	55	672	5315	37	0.7	0.004666	**2.3061**	ug/L
ë	Co	59	50	683	55	8.1	0.000640	**0.3079**	ug/L
é	Cu	65	13	1145	2	0.2	0.001235	**2.8830**	ug/L
ê	Cu	63	35	4794	59	1.2	0.005197	**5.6602**	ug/L
ê	Zn	66	51	2692	77	2.9	0.002880	**15.8481**	ug/L
ê	Zn	68	507	2354	56	2.4	0.001960	**15.1980**	ug/L
ê>	Ge	74	828838	915358	12456	1.4	915358.081092		ug/L
ë	As	75	-114	929	82	8.8	0.001153	**5.4955**	ug/L
é	Se	77	89	227	11	5.0	0.000069	**10.2403**	ug/L
ê	Se	82	3	181	7	3.6	0.000094	**8.9482**	ug/L
ê	Mo	98	9	2148	32	1.5	0.001123	**3.2203**	ug/L
ê	Ag	107	5	56	6	9.8	0.000027	**0.0319**	ug/L
ê	Ag	109	3	49	8	15.9	0.000024	**0.0175**	ug/L
ê	Cd	111	4	13	1	4.3	0.000005	**0.0147**	ug/L
ê	Cd	114	23	37	1	3.4	0.000007	**0.0225**	ug/L
ê>	In	115	1790947	1904826	27666	1.5	1904826.480587		ug/L
ê	Sn	120	169	221	15	6.8	0.000022	**-0.1001**	ug/L
ê	Sb	121	4	44	14	31.8	0.000021	**0.0159**	ug/L
ë	Ba	138	53	2343	22	1.0	0.001201	**0.6303**	ug/L
é>	Tm	169	1556599	1680632	3601	0.2	1680632.283860		ug/L
ê	Tl	205	8	12	4	36.3	0.000002	**-0.0066**	ug/L
ë	Pb	208	191	3318	101	3.0	0.001852	**0.8057**	ug/L
	C	13	22146	80463	2600	3.2	58316.965367		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	110.232
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	110.439
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	106.359
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	107.968
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140292-DUP3
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 00:48:54
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 333

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140292-DUP3.210
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	2	99.0	-0.000001	**-0.1143**	ug/L
ê	Mg	24	661	30131569	541915	1.8	30.556976	**24841.5098**	ug/L
ê	Al	27	2548	54499	886	1.6	0.052407	**27.7378**	ug/L
ê	Ca	44	5230	3771139	65512	1.7	3.818488	**61137.9359**	ug/L
ê>	Sc	45	889352	986544	20942	2.1	986544.402092		ug/L
ê	Cr	52	11493	18017	275	1.5	0.005344	**3.1667**	ug/L
ê	Cr	53	47	2075	33	1.6	0.002052	**11.3672**	ug/L
ê	Mn	55	672	5038	121	2.4	0.004352	**2.1503**	ug/L
ë	Co	59	50	615	56	9.2	0.000566	**0.2653**	ug/L
é	Cu	65	13	1529	83	5.4	0.001631	**3.8167**	ug/L
ê	Cu	63	35	5795	44	0.8	0.006199	**6.7582**	ug/L
ê	Zn	66	51	4358	151	3.5	0.004632	**25.4965**	ug/L
ê	Zn	68	507	3576	36	1.0	0.003241	**25.2335**	ug/L
ê>	Ge	74	828838	928666	16088	1.7	928666.341121		ug/L
ë	As	75	-114	823	138	16.8	0.001026	**4.8912**	ug/L
é	Se	77	89	255	22	8.5	0.000082	**12.2674**	ug/L
ê	Se	82	3	163	29	17.5	0.000083	**7.9128**	ug/L
ê	Mo	98	9	11617	152	1.3	0.006018	**17.3964**	ug/L
ê	Ag	107	5	61	7	11.0	0.000029	**0.0345**	ug/L
ê	Ag	109	3	66	2	2.6	0.000033	**0.0274**	ug/L
ê	Cd	111	4	19	7	34.4	0.000008	**0.0295**	ug/L
ê	Cd	114	23	63	8	12.5	0.000020	**0.0492**	ug/L
ê>	In	115	1790947	1929527	33184	1.7	1929527.338930		ug/L
ê	Sn	120	169	227	36	16.0	0.000023	**-0.0985**	ug/L
ê	Sb	121	4	33	9	26.4	0.000015	**0.0058**	ug/L
ë	Ba	138	53	2466	41	1.7	0.001249	**0.6563**	ug/L
é>	Tm	169	1556599	1722299	5008	0.3	1722298.896419		ug/L
ê	Tl	205	8	8	3	32.8	-0.000000	**-0.0082**	ug/L
ë	Pb	208	191	1395	31	2.2	0.000687	**0.2836**	ug/L
	C	13	22146	80026	996	1.2	57879.719485		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	110.928
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	112.044
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	107.738
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	110.645
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140292-MS3
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 00:52:06
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 334

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140292-MS3.211
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2105	17	0.8	0.002141	**15.2678**	ug/L
ê	Mg	24	661	30692651	365626	1.2	31.256590	**25410.5026**	ug/L
ê	Al	27	2548	225121	1372	0.6	0.226402	**124.9321**	ug/L
ê	Ca	44	5230	3464319	149176	4.3	3.521181	**56376.1117**	ug/L
ê>	Sc	45	889352	982002	13734	1.4	982001.599957		ug/L
ê	Cr	52	11493	47517	201	0.4	0.035470	**22.6317**	ug/L
ê	Cr	53	47	5977	162	2.7	0.006034	**33.6508**	ug/L
ê	Mn	55	672	17833	436	2.4	0.017403	**8.6247**	ug/L
ë	Co	59	50	39157	830	2.1	0.039816	**22.8929**	ug/L
é	Cu	65	13	9679	42	0.4	0.010492	**24.7107**	ug/L
ê	Cu	63	35	22737	92	0.4	0.024643	**26.9579**	ug/L
ê	Zn	66	51	23181	513	2.2	0.025104	**138.2294**	ug/L
ê	Zn	68	507	16271	317	2.0	0.017051	**133.4732**	ug/L
ê>	Ge	74	828838	921191	11401	1.2	921191.158938		ug/L
ë	As	75	-114	2065	175	8.5	0.002379	**11.3581**	ug/L
é	Se	77	89	517	12	2.4	0.000219	**33.2984**	ug/L
ê	Se	82	3	551	36	6.5	0.000285	**27.8156**	ug/L
ê	Mo	98	9	4999	231	4.6	0.002595	**7.4837**	ug/L
ê	Ag	107	5	19919	746	3.7	0.010356	**13.9026**	ug/L
ê	Ag	109	3	22230	409	1.8	0.011561	**13.4377**	ug/L
ê	Cd	111	4	1130	8	0.7	0.000585	**2.8452**	ug/L
ê	Cd	114	23	2669	96	3.6	0.001375	**2.8287**	ug/L
ê>	In	115	1790947	1922561	18478	1.0	1922561.376328		ug/L
ê	Sn	120	169	281	9	3.2	0.000052	**-0.0639**	ug/L
ê	Sb	121	4	2868	34	1.2	0.001489	**2.4709**	ug/L
ë	Ba	138	53	80170	1530	1.9	0.041667	**22.3347**	ug/L
é>	Tm	169	1556599	1709504	15254	0.9	1709503.550217		ug/L
ê	Tl	205	8	3086	43	1.4	0.001801	**1.0488**	ug/L
ë	Pb	208	191	22630	396	1.7	0.013116	**5.8544**	ug/L
	C	13	22146	84448	818	1.0	62301.724804		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	110.418
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	111.143
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	107.349
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	109.823
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140292-MSD3
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 00:55:18
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 335

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140292-MSD3.212
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2139	69	3.2	0.002154	**15.3647**	ug/L
ê	Mg	24	661	28919732	150040	0.5	29.155917	**23702.0346**	ug/L
ê	Al	27	2548	232426	1195	0.5	0.231465	**127.7600**	ug/L
ê	Ca	44	5230	2276201	51009	2.2	2.289283	**36645.4201**	ug/L
ê>	Sc	45	889352	991893	7830	0.8	991892.746619		ug/L
ê	Cr	52	11493	46320	796	1.7	0.033777	**21.5380**	ug/L
ê	Cr	53	47	5901	19	0.3	0.005897	**32.8849**	ug/L
ê	Mn	55	672	14647	301	2.1	0.014013	**6.9428**	ug/L
ë	Co	59	50	38549	188	0.5	0.038810	**22.3129**	ug/L
é	Cu	65	13	9395	156	1.7	0.010272	**24.1916**	ug/L
ê	Cu	63	35	22864	477	2.1	0.024995	**27.3437**	ug/L
ê	Zn	66	51	22757	242	1.1	0.024861	**136.8937**	ug/L
ê	Zn	68	507	16507	105	0.6	0.017466	**136.7284**	ug/L
ê>	Ge	74	828838	913172	6712	0.7	913172.295226		ug/L
ë	As	75	-114	2204	190	8.6	0.002551	**12.1813**	ug/L
é	Se	77	89	504	53	10.6	0.000213	**32.3234**	ug/L
ê	Se	82	3	569	33	5.8	0.000295	**28.8543**	ug/L
ê	Mo	98	9	5124	188	3.7	0.002668	**7.6959**	ug/L
ê	Ag	107	5	19924	412	2.1	0.010389	**13.9473**	ug/L
ê	Ag	109	3	21428	382	1.8	0.011175	**12.9886**	ug/L
ê	Cd	111	4	1141	16	1.4	0.000593	**2.8807**	ug/L
ê	Cd	114	23	2664	32	1.2	0.001376	**2.8305**	ug/L
ê>	In	115	1790947	1917680	24134	1.3	1917680.285420		ug/L
ê	Sn	120	169	176	39	21.9	-0.000003	**-0.1296**	ug/L
ê	Sb	121	4	2860	104	3.6	0.001490	**2.4713**	ug/L
ë	Ba	138	53	79500	1417	1.8	0.041433	**22.2090**	ug/L
é>	Tm	169	1556599	1708616	9732	0.6	1708616.172099		ug/L
ê	Tl	205	8	3065	92	3.0	0.001789	**1.0422**	ug/L
ë	Pb	208	191	22319	514	2.3	0.012941	**5.7760**	ug/L
	C	13	22146	86623	787	0.9	64476.352595		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	111.530
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	110.175
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	107.076
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	109.766
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-13
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 00:58:30
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 336

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-13.213
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	69.3	-0.000001	**-0.1191**	ug/L
ê	Mg	24	661	36772861	102410	0.3	37.009302	**30089.1586**	ug/L
ê	Al	27	2548	358556	2785	0.8	0.358006	**198.4460**	ug/L
ê	Ca	44	5230	5875649	29465	0.5	5.907738	**94600.3983**	ug/L
ê>	Sc	45	889352	993988	25735	2.6	993987.757119		ug/L
ê	Cr	52	11493	18284	416	2.3	0.005473	**3.2500**	ug/L
ê	Cr	53	47	2295	33	1.4	0.002257	**12.5131**	ug/L
ê	Mn	55	672	19566	534	2.7	0.018942	**9.3882**	ug/L
ë	Co	59	50	938	13	1.3	0.000888	**0.4508**	ug/L
é	Cu	65	13	2400	129	5.4	0.002618	**6.1437**	ug/L
ê	Cu	63	35	7498	234	3.1	0.008182	**8.9296**	ug/L
ê	Zn	66	51	3879	104	2.7	0.004195	**23.0877**	ug/L
ê	Zn	68	507	3223	79	2.5	0.002925	**22.7559**	ug/L
ê>	Ge	74	828838	911565	10004	1.1	911565.207997		ug/L
ë	As	75	-114	1704	66	3.9	0.002007	**9.5821**	ug/L
é	Se	77	89	338	9	2.7	0.000124	**18.6411**	ug/L
ê	Se	82	3	260	20	7.8	0.000132	**12.7458**	ug/L
ê	Mo	98	9	1375	33	2.4	0.000701	**1.9986**	ug/L
ê	Ag	107	5	58	2	3.4	0.000027	**0.0322**	ug/L
ê	Ag	109	3	60	2	2.9	0.000029	**0.0234**	ug/L
ê	Cd	111	4	9	1	13.3	0.000002	**0.0023**	ug/L
ê	Cd	114	23	48	5	10.1	0.000012	**0.0328**	ug/L
ê>	In	115	1790947	1947684	4704	0.2	1947683.652966		ug/L
ê	Sn	120	169	874	23	2.7	0.000355	**0.3008**	ug/L
ê	Sb	121	4	67	8	12.2	0.000032	**0.0346**	ug/L
ë	Ba	138	53	4599	59	1.3	0.002332	**1.2371**	ug/L
é>	Tm	169	1556599	1718307	8939	0.5	1718306.740874		ug/L
ê	Tl	205	8	14	2	16.9	0.000003	**-0.0061**	ug/L
ë	Pb	208	191	4810	46	1.0	0.002677	**1.1754**	ug/L
	C	13	22146	97048	693	0.7	74902.048561		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	111.765
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	109.981
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	108.752
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	110.389
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-14
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 01:01:42
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 337

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-14.214
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3	0	0.0	0.000000	**-0.1093**	ug/L
ê	Mg	24	661	34974742	244795	0.7	35.501393	**28862.7826**	ug/L
ê	Al	27	2548	212510	5651	2.7	0.212901	**117.3900**	ug/L
ê	Ca	44	5230	6205170	182408	2.9	6.294638	**100797.1825**	ug/L
ê>	Sc	45	889352	985326	15764	1.6	985326.142717		ug/L
ê	Cr	52	11493	20549	316	1.5	0.007933	**4.8395**	ug/L
ê	Cr	53	47	2048	87	4.2	0.002025	**11.2167**	ug/L
ê	Mn	55	672	11523	41	0.4	0.010941	**5.4187**	ug/L
ë	Co	59	50	979	19	1.9	0.000938	**0.4796**	ug/L
é	Cu	65	13	41534	602	1.4	0.045144	**106.4144**	ug/L
ê	Cu	63	35	91782	1369	1.5	0.099758	**109.2250**	ug/L
ê	Zn	66	51	42667	434	1.0	0.046329	**255.1128**	ug/L
ê	Zn	68	507	29987	326	1.1	0.031993	**250.5891**	ug/L
ê>	Ge	74	828838	919738	10049	1.1	919738.267164		ug/L
ë	As	75	-114	1160	60	5.2	0.001399	**6.6746**	ug/L
é	Se	77	89	250	12	4.8	0.000079	**11.6757**	ug/L
ê	Se	82	3	193	5	2.5	0.000098	**9.3433**	ug/L
ê	Mo	98	9	3713	68	1.8	0.001900	**5.4712**	ug/L
ê	Ag	107	5	84	12	14.6	0.000040	**0.0501**	ug/L
ê	Ag	109	3	89	7	7.9	0.000044	**0.0407**	ug/L
ê	Cd	111	4	13	2	15.6	0.000004	**0.0140**	ug/L
ê	Cd	114	23	41	2	4.2	0.000008	**0.0260**	ug/L
ê>	In	115	1790947	1949045	15966	0.8	1949045.430405		ug/L
ê	Sn	120	169	2352	51	2.2	0.001112	**1.2133**	ug/L
ê	Sb	121	4	45	1	1.3	0.000020	**0.0155**	ug/L
ë	Ba	138	53	4923	135	2.7	0.002497	**1.3256**	ug/L
é>	Tm	169	1556599	1719418	7284	0.4	1719418.100920		ug/L
ê	Tl	205	8	15	3	17.2	0.000004	**-0.0058**	ug/L
ë	Pb	208	191	13367	350	2.6	0.007652	**3.4053**	ug/L
	C	13	22146	83404	583	0.7	61258.280688		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	110.791
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	110.967
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	108.828
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	110.460
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-15
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 01:04:55
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 338

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-15.215
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	1	100.0	-0.000002	**-0.1238**	ug/L
ê	Mg	24	661	31304671	443021	1.4	31.976264	**25995.8108**	ug/L
ê	Al	27	2548	103702	747	0.7	0.103064	**56.0349**	ug/L
ê	Ca	44	5230	3322888	130690	3.9	3.387401	**54233.4319**	ug/L
ê>	Sc	45	889352	979047	12362	1.3	979047.035366		ug/L
ê	Cr	52	11493	17362	146	0.8	0.004811	**2.8223**	ug/L
ê	Cr	53	47	2070	98	4.7	0.002063	**11.4252**	ug/L
ê	Mn	55	672	6215	18	0.3	0.005593	**2.7660**	ug/L
ë	Co	59	50	440	10	2.2	0.000393	**0.1655**	ug/L
é	Cu	65	13	1472	37	2.5	0.001602	**3.7472**	ug/L
ê	Cu	63	35	5736	273	4.8	0.006259	**6.8233**	ug/L
ê	Zn	66	51	2729	76	2.8	0.002936	**16.1585**	ug/L
ê	Zn	68	507	2439	30	1.2	0.002067	**16.0353**	ug/L
ê>	Ge	74	828838	910847	20308	2.2	910847.499693		ug/L
ë	As	75	-114	1050	52	4.9	0.001292	**6.1601**	ug/L
é	Se	77	89	252	7	2.9	0.000080	**11.9621**	ug/L
ê	Se	82	3	179	10	5.8	0.000091	**8.7098**	ug/L
ê	Mo	98	9	1005	28	2.8	0.000514	**1.4576**	ug/L
ê	Ag	107	5	51	3	5.0	0.000023	**0.0274**	ug/L
ê	Ag	109	3	48	6	12.5	0.000023	**0.0167**	ug/L
ê	Cd	111	4	9	4	44.6	0.000002	**0.0041**	ug/L
ê	Cd	114	23	42	6	13.4	0.000009	**0.0273**	ug/L
ê>	In	115	1790947	1935974	23754	1.2	1935974.097264		ug/L
ê	Sn	120	169	243	17	6.9	0.000031	**-0.0891**	ug/L
ê	Sb	121	4	27	2	7.8	0.000011	**0.0002**	ug/L
ë	Ba	138	53	2620	122	4.6	0.001324	**0.6965**	ug/L
é>	Tm	169	1556599	1706975	15744	0.9	1706974.549183		ug/L
ê	Tl	205	8	9	5	54.5	0.000000	**-0.0078**	ug/L
ë	Pb	208	191	2979	25	0.8	0.001623	**0.7030**	ug/L
	C	13	22146	81263	444	0.5	59116.989497		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	110.085
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	109.895
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	108.098
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	109.661
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-16
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 01:08:07
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 339

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-16.216
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	0	1	173.2	-0.000003	**-0.1288**	ug/L
ê	Mg	24	661	34407028	526742	1.5	34.704556	**28214.7188**	ug/L
ê	Al	27	2548	187997	3081	1.6	0.186827	**102.8254**	ug/L
ê	Ca	44	5230	5255674	50404	1.0	5.295997	**84802.4620**	ug/L
ê>	Sc	45	889352	991419	16282	1.6	991418.774666		ug/L
ê	Cr	52	11493	18076	517	2.9	0.005311	**3.1450**	ug/L
ê	Cr	53	47	1716	17	1.0	0.001679	**9.2763**	ug/L
ê	Mn	55	672	14189	65	0.5	0.013558	**6.7173**	ug/L
ë	Co	59	50	717	21	3.0	0.000667	**0.3236**	ug/L
é	Cu	65	13	1425	18	1.3	0.001533	**3.5847**	ug/L
ê	Cu	63	35	5288	118	2.2	0.005704	**6.2159**	ug/L
ê	Zn	66	51	2510	53	2.1	0.002666	**14.6707**	ug/L
ê	Zn	68	507	2286	41	1.8	0.001873	**14.5159**	ug/L
ê>	Ge	74	828838	920216	13544	1.5	920216.381790		ug/L
ë	As	75	-114	953	55	5.8	0.001173	**5.5916**	ug/L
é	Se	77	89	227	6	2.7	0.000067	**9.8385**	ug/L
ê	Se	82	3	162	14	8.9	0.000082	**7.7683**	ug/L
ê	Mo	98	9	968	35	3.6	0.000492	**1.3943**	ug/L
ê	Ag	107	5	47	8	16.1	0.000021	**0.0244**	ug/L
ê	Ag	109	3	47	7	14.4	0.000023	**0.0159**	ug/L
ê	Cd	111	4	16	3	16.1	0.000006	**0.0198**	ug/L
ê	Cd	114	23	48	4	8.9	0.000012	**0.0327**	ug/L
ê>	In	115	1790947	1947670	20718	1.1	1947670.103327		ug/L
ê	Sn	120	169	286	37	12.8	0.000053	**-0.0631**	ug/L
ê	Sb	121	4	33	9	26.0	0.000014	**0.0051**	ug/L
ë	Ba	138	53	3500	76	2.2	0.001768	**0.9346**	ug/L
é>	Tm	169	1556599	1705130	18182	1.1	1705129.807170		ug/L
ê	Tl	205	8	8	1	7.5	-0.000000	**-0.0081**	ug/L
ë	Pb	208	191	3004	23	0.8	0.001639	**0.7103**	ug/L
	C	13	22146	76428	300	0.4	54281.408710		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	111.476
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	111.025
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	108.751
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	109.542
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-17
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 01:11:19
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 340

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-17.217
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3	2	57.3	-0.000000	**-0.1121**	ug/L
ê	Mg	24	661	24632689	372166	1.5	24.477363	**19896.9875**	ug/L
ê	Al	27	2548	680520	10090	1.5	0.673305	**374.5724**	ug/L
ê	Ca	44	5230	2727014	78081	2.9	2.703409	**43278.2723**	ug/L
ê>	Sc	45	889352	1006436	7927	0.8	1006435.620434		ug/L
ê	Cr	52	11493	17390	864	5.0	0.004352	**2.5257**	ug/L
ê	Cr	53	47	1297	29	2.3	0.001236	**6.7992**	ug/L
ê	Mn	55	672	34837	872	2.5	0.033858	**16.7876**	ug/L
ë	Co	59	50	1105	22	2.0	0.001042	**0.5396**	ug/L
é	Cu	65	13	1583	38	2.4	0.001689	**3.9523**	ug/L
ê	Cu	63	35	6247	133	2.1	0.006682	**7.2873**	ug/L
ê	Zn	66	51	5577	134	2.4	0.005941	**32.7068**	ug/L
ê	Zn	68	507	4354	183	4.2	0.004076	**31.7796**	ug/L
ê>	Ge	74	828838	928977	12191	1.3	928976.565669		ug/L
ë	As	75	-114	39598	1296	3.3	0.042757	**204.4097**	ug/L
é	Se	77	89	185	6	3.0	0.000045	**6.4779**	ug/L
ê	Se	82	3	12926	457	3.5	0.006605	**651.0989**	ug/L
ê	Mo	98	9	1262	41	3.3	0.000640	**1.8212**	ug/L
ê	Ag	107	5	229	13	5.6	0.000114	**0.1496**	ug/L
ê	Ag	109	3	253	22	8.7	0.000127	**0.1378**	ug/L
ê	Cd	111	4	154	10	6.2	0.000076	**0.3634**	ug/L
ê	Cd	114	23	371	30	8.1	0.000177	**0.3715**	ug/L
ê>	In	115	1790947	1956747	14166	0.7	1956747.377725		ug/L
ê	Sn	120	169	157	5	2.9	-0.000014	**-0.1434**	ug/L
ê	Sb	121	4	168	12	7.1	0.000083	**0.1207**	ug/L
ë	Ba	138	53	81062	447	0.6	0.041398	**22.1902**	ug/L
é>	Tm	169	1556599	1750502	15325	0.9	1750502.424168		ug/L
ê	Tl	205	8	164	5	3.2	0.000089	**0.0442**	ug/L
ë	Pb	208	191	8647	138	1.6	0.004817	**2.1347**	ug/L
	C	13	22146	66888	618	0.9	44741.743790		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	113.165
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	112.082
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	109.258
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	112.457
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-18
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 01:14:31
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 341

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-18.218
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	16	3	19.7	0.000014	**-0.0081**	ug/L
ê	Mg	24	661	57996901	372042	0.6	60.753126	**49399.9080**	ug/L
ê	Al	27	2548	7989393	43613	0.5	8.366412	**4671.9538**	ug/L
ê	Ca	44	5230	36701349	843471	2.3	38.446073	**615750.6121**	ug/L
ê>	Sc	45	889352	954651	10052	1.1	954651.383113		ug/L
ê	Cr	52	11493	63841	541	0.8	0.053958	**34.5769**	ug/L
ê	Cr	53	47	6247	29	0.5	0.006492	**36.2158**	ug/L
ê	Mn	55	672	297970	2097	0.7	0.311381	**154.4613**	ug/L
ë	Co	59	50	12083	59	0.5	0.012601	**7.2038**	ug/L
é	Cu	65	13	4408	62	1.4	0.005112	**12.0242**	ug/L
ê	Cu	63	35	10427	127	1.2	0.012086	**13.2048**	ug/L
ê	Zn	66	51	5628	101	1.8	0.006484	**35.6935**	ug/L
ê	Zn	68	507	4450	87	2.0	0.004565	**35.6123**	ug/L
ê>	Ge	74	828838	859919	14653	1.7	859919.196187		ug/L
ë	As	75	-114	24117	230	1.0	0.028189	**134.7593**	ug/L
é	Se	77	89	128	10	7.5	0.000017	**2.2234**	ug/L
ê	Se	82	3	7374	69	0.9	0.003865	**380.9224**	ug/L
ê	Mo	98	9	1136	59	5.2	0.000590	**1.6786**	ug/L
ê	Ag	107	5	155	2	1.3	0.000078	**0.1016**	ug/L
ê	Ag	109	3	122	7	5.7	0.000062	**0.0621**	ug/L
ê	Cd	111	4	131	1	0.9	0.000066	**0.3162**	ug/L
ê	Cd	114	23	313	4	1.1	0.000151	**0.3187**	ug/L
ê>	In	115	1790947	1907416	35379	1.9	1907415.557788		ug/L
ê	Sn	120	169	443	12	2.8	0.000138	**0.0401**	ug/L
ê	Sb	121	4	195	16	8.1	0.000100	**0.1485**	ug/L
ë	Ba	138	53	67666	1075	1.6	0.035457	**19.0035**	ug/L
é>	Tm	169	1556599	1723168	14071	0.8	1723167.607244		ug/L
ê	Tl	205	8	275	13	4.9	0.000155	**0.0829**	ug/L
ë	Pb	208	191	67103	234	0.3	0.038820	**17.3753**	ug/L
	C	13	22146	56949	547	1.0	34803.138230		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	107.342
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	103.750
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	106.503
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	110.701
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVJ

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 01:17:44
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6020

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCVJ.219
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1559	60	3.8	0.001679	**1.1950**	ug/L
ê	Mg	24	661	27047967	739523	2.7	29.180484	**2372.2015**	ug/L
ê	Al	27	2548	9604117	281074	2.9	10.358221	**578.4581**	ug/L
ê	Ca	44	5230	1208305	24391	2.0	1.297885	**2076.6698**	ug/L
ê>	Sc	45	889352	926888	23793	2.6	926887.734127		ug/L
ê	Cr	52	11493	385132	4091	1.1	0.402716	**25.9919**	ug/L
ê	Cr	53	47	42517	239	0.6	0.045835	**25.6412**	ug/L
ê	Mn	55	672	486991	4379	0.9	0.524798	**26.0333**	ug/L
ë	Co	59	50	84534	970	1.1	0.091173	**5.2501**	ug/L
é	Cu	65	13	38964	1120	2.9	0.044501	**10.4899**	ug/L
ê	Cu	63	35	82957	1079	1.3	0.094735	**10.3723**	ug/L
ê	Zn	66	51	79841	831	1.0	0.091151	**50.1937**	ug/L
ê	Zn	68	507	56822	1009	1.8	0.064308	**50.3860**	ug/L
ê>	Ge	74	828838	875374	8057	0.9	875374.237992		ug/L
ë	As	75	-114	18030	226	1.3	0.020737	**9.9132**	ug/L
é	Se	77	89	1371	65	4.7	0.000650	**9.9713**	ug/L
ê	Se	82	3	2056	43	2.1	0.001049	**10.3220**	ug/L
ê	Mo	98	9	35047	800	2.3	0.017908	**5.1832**	ug/L
ê	Ag	107	5	30561	601	2.0	0.015619	**2.0970**	ug/L
ê	Ag	109	3	34771	773	2.2	0.017770	**2.0660**	ug/L
ê	Cd	111	4	3918	66	1.7	0.002001	**0.9742**	ug/L
ê	Cd	114	23	9111	62	0.7	0.004644	**0.9531**	ug/L
ê>	In	115	1790947	1956492	31526	1.6	1956492.233677		ug/L
ê	Sn	120	169	41035	648	1.6	0.020880	**2.5026**	ug/L
ê	Sb	121	4	11656	232	2.0	0.005955	**0.9936**	ug/L
ë	Ba	138	53	875537	15577	1.8	0.447473	**23.9989**	ug/L
é>	Tm	169	1556599	1694086	16890	1.0	1694085.548398		ug/L
ê	Tl	205	8	14984	152	1.0	0.008840	**0.5180**	ug/L
ë	Pb	208	191	99008	235	0.2	0.058325	**2.6118**	ug/L
	C	13	22146	29286	457	1.6	7140.170904		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	104.221
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	105.615
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	109.243
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	108.832
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBJ

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 01:20:56
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCBJ.220
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	3	173.2	-0.000001	**-0.0118**	ug/L
ê	Mg	24	661	2809	2224	79.2	0.002266	**-0.8503**	ug/L
ê	Al	27	2548	3349	487	14.5	0.000770	**-0.1106**	ug/L
ê	Ca	44	5230	5112	536	10.5	-0.000329	**-2.6143**	ug/L
ê>	Sc	45	889352	919375	30073	3.3	919375.010432		ug/L
ê	Cr	52	11493	12501	347	2.8	0.000677	**0.0151**	ug/L
ê	Cr	53	47	64	10	15.6	0.000017	**-0.0022**	ug/L
ê	Mn	55	672	771	40	5.2	0.000083	**0.0032**	ug/L
ë	Co	59	50	59	13	22.4	0.000008	**-0.0057**	ug/L
é	Cu	65	13	38	11	29.8	0.000026	**0.0033**	ug/L
ê	Cu	63	35	59	28	47.7	0.000024	**-0.0005**	ug/L
ê	Zn	66	51	101	48	47.6	0.000051	**0.0270**	ug/L
ê	Zn	68	507	591	54	9.2	0.000050	**0.0224**	ug/L
ê>	Ge	74	828838	894123	17969	2.0	894123.091765		ug/L
ë	As	75	-114	-76	9	11.3	0.000053	**0.0236**	ug/L
é	Se	77	89	94	2	1.6	-0.000001	**-0.0563**	ug/L
ê	Se	82	3	21	8	38.7	0.000009	**0.0656**	ug/L
ê	Mo	98	9	21	13	60.4	0.000006	**-0.0014**	ug/L
ê	Ag	107	5	9	7	77.8	0.000002	**-0.0002**	ug/L
ê	Ag	109	3	9	4	40.1	0.000003	**-0.0007**	ug/L
ê	Cd	111	4	2	1	49.5	-0.000001	**-0.0013**	ug/L
ê	Cd	114	23	32	12	36.9	0.000004	**0.0017**	ug/L
ê>	In	115	1790947	1926682	19598	1.0	1926682.249627		ug/L
ê	Sn	120	169	353	14	4.0	0.000089	**-0.0020**	ug/L
ê	Sb	121	4	29	5	18.2	0.000013	**0.0002**	ug/L
ë	Ba	138	53	113	63	55.6	0.000029	**0.0002**	ug/L
é>	Tm	169	1556599	1673932	15641	0.9	1673931.685386		ug/L
ê	Tl	205	8	11	4	32.9	0.000001	**-0.0007**	ug/L
ë	Pb	208	191	208	9	4.5	0.000002	**-0.0024**	ug/L
	C	13	22146	29461	415	1.4	7314.527998		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	103.376
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	107.877
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	107.579
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	107.538
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-19
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 01:24:09
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 342

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-19.221
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	4	3	68.6	0.000001	**-0.1045**	ug/L
ê	Mg	24	661	37478387	488234	1.3	37.618459	**30584.5831**	ug/L
ê	Al	27	2548	672926	8040	1.2	0.672627	**374.1937**	ug/L
ê	Ca	44	5230	7698749	96385	1.3	7.722339	**123663.9577**	ug/L
ê>	Sc	45	889352	996315	17641	1.8	996314.705623		ug/L
ê	Cr	52	11493	21301	542	2.5	0.008455	**5.1763**	ug/L
ê	Cr	53	47	1557	122	7.9	0.001510	**8.3334**	ug/L
ê	Mn	55	672	55677	1094	2.0	0.055133	**27.3416**	ug/L
ë	Co	59	50	2546	77	3.0	0.002499	**1.3796**	ug/L
é	Cu	65	13	1722	31	1.8	0.001865	**4.3680**	ug/L
ê	Cu	63	35	6861	73	1.1	0.007448	**8.1259**	ug/L
ê	Zn	66	51	3415	52	1.5	0.003667	**20.1811**	ug/L
ê	Zn	68	507	2905	59	2.0	0.002560	**19.8954**	ug/L
ê>	Ge	74	828838	916007	4691	0.5	916007.281305		ug/L
ë	As	75	-114	29280	544	1.9	0.032105	**153.4788**	ug/L
é	Se	77	89	154	3	1.9	0.000029	**4.0107**	ug/L
ê	Se	82	3	9323	181	1.9	0.004762	**469.3859**	ug/L
ê	Mo	98	9	1282	29	2.2	0.000650	**1.8513**	ug/L
ê	Ag	107	5	212	23	10.7	0.000105	**0.1376**	ug/L
ê	Ag	109	3	241	23	9.5	0.000121	**0.1308**	ug/L
ê	Cd	111	4	77	5	6.4	0.000037	**0.1732**	ug/L
ê	Cd	114	23	243	15	6.1	0.000111	**0.2373**	ug/L
ê>	In	115	1790947	1957793	29078	1.5	1957792.795101		ug/L
ê	Sn	120	169	213	15	7.1	0.000014	**-0.1092**	ug/L
ê	Sb	121	4	150	3	2.0	0.000074	**0.1053**	ug/L
ë	Ba	138	53	41287	1102	2.7	0.021060	**11.2817**	ug/L
é>	Tm	169	1556599	1763074	5174	0.3	1763074.320048		ug/L
ê	Tl	205	8	120	21	17.6	0.000063	**0.0292**	ug/L
ë	Pb	208	191	10179	308	3.0	0.005651	**2.5083**	ug/L
	C	13	22146	65410	743	1.1	43263.593659		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	112.027
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	110.517
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	109.316
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	113.265
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-20
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 01:27:21
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 343

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-20.222
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	24.7	-0.000001	**-0.1147**	ug/L
ê	Mg	24	661	31950743	198684	0.6	31.289930	**25437.6186**	ug/L
ê	Al	27	2548	626178	7942	1.3	0.610429	**339.4501**	ug/L
ê	Ca	44	5230	6249593	127461	2.0	6.114804	**97916.8829**	ug/L
ê>	Sc	45	889352	1021111	8286	0.8	1021110.908617		ug/L
ê	Cr	52	11493	20220	271	1.3	0.006880	**4.1591**	ug/L
ê	Cr	53	47	1569	42	2.7	0.001484	**8.1891**	ug/L
ê	Mn	55	672	45738	404	0.9	0.044041	**21.8391**	ug/L
ë	Co	59	50	2020	107	5.3	0.001922	**1.0470**	ug/L
é	Cu	65	13	1369	13	1.0	0.001450	**3.3888**	ug/L
ê	Cu	63	35	6160	101	1.6	0.006553	**7.1453**	ug/L
ê	Zn	66	51	3585	35	1.0	0.003777	**20.7866**	ug/L
ê	Zn	68	507	3062	94	3.1	0.002666	**20.7308**	ug/L
ê>	Ge	74	828838	934166	9285	1.0	934165.772084		ug/L
ë	As	75	-114	40010	1080	2.7	0.042978	**205.4658**	ug/L
é	Se	77	89	169	7	4.1	0.000035	**4.8978**	ug/L
ê	Se	82	3	13291	379	2.8	0.006634	**653.9444**	ug/L
ê	Mo	98	9	891	23	2.6	0.000440	**1.2428**	ug/L
ê	Ag	107	5	187	15	8.0	0.000090	**0.1172**	ug/L
ê	Ag	109	3	209	14	6.5	0.000103	**0.1093**	ug/L
ê	Cd	111	4	90	10	11.1	0.000043	**0.2001**	ug/L
ê	Cd	114	23	222	8	3.7	0.000098	**0.2098**	ug/L
ê>	In	115	1790947	2003509	56990	2.8	2003508.842717		ug/L
ê	Sn	120	169	220	15	6.7	0.000016	**-0.1075**	ug/L
ê	Sb	121	4	194	13	6.7	0.000094	**0.1390**	ug/L
ë	Ba	138	53	16709	469	2.8	0.008311	**4.4438**	ug/L
é>	Tm	169	1556599	1768406	18248	1.0	1768406.235473		ug/L
ê	Tl	205	8	177	7	3.9	0.000095	**0.0480**	ug/L
ë	Pb	208	191	7469	119	1.6	0.004101	**1.8140**	ug/L
	C	13	22146	69464	285	0.4	47317.652678		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	114.815
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	112.708
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	111.869
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	113.607
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-21
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 01:30:33
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 344

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-21.223
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	18	5	27.9	0.000015	**-0.0028**	ug/L
ê	Mg	24	661	61207905	489479	0.8	61.934825	**50360.9787**	ug/L
ê	Al	27	2548	9270299	110375	1.2	9.377868	**5236.9546**	ug/L
ê	Ca	44	5230	36740857	734077	2.0	37.175716	**595403.9380**	ug/L
ê>	Sc	45	889352	988284	11928	1.2	988283.752359		ug/L
ê	Cr	52	11493	63501	290	0.5	0.051339	**32.8847**	ug/L
ê	Cr	53	47	6122	143	2.3	0.006142	**34.2584**	ug/L
ê	Mn	55	672	291175	6074	2.1	0.293902	**145.7906**	ug/L
ë	Co	59	50	10189	68	0.7	0.010254	**5.8506**	ug/L
é	Cu	65	13	4648	99	2.1	0.005368	**12.6281**	ug/L
ê	Cu	63	35	11593	313	2.7	0.013384	**14.6268**	ug/L
ê	Zn	66	51	6870	49	0.7	0.007895	**43.4622**	ug/L
ê	Zn	68	507	5205	43	0.8	0.005416	**42.2852**	ug/L
ê>	Ge	74	828838	863745	17026	2.0	863744.891893		ug/L
ë	As	75	-114	29493	489	1.7	0.034292	**163.9354**	ug/L
é	Se	77	89	133	8	5.6	0.000020	**2.5796**	ug/L
ê	Se	82	3	9149	162	1.8	0.004761	**469.2717**	ug/L
ê	Mo	98	9	1082	10	0.9	0.000558	**1.5857**	ug/L
ê	Ag	107	5	172	17	9.7	0.000087	**0.1127**	ug/L
ê	Ag	109	3	175	8	4.5	0.000089	**0.0936**	ug/L
ê	Cd	111	4	137	2	1.7	0.000069	**0.3273**	ug/L
ê	Cd	114	23	326	46	14.2	0.000157	**0.3302**	ug/L
ê>	In	115	1790947	1921044	25067	1.3	1921044.352703		ug/L
ê	Sn	120	169	485	35	7.2	0.000158	**0.0640**	ug/L
ê	Sb	121	4	228	18	7.9	0.000116	**0.1759**	ug/L
ë	Ba	138	53	65173	505	0.8	0.033899	**18.1681**	ug/L
é>	Tm	169	1556599	1754390	7062	0.4	1754389.807904		ug/L
ê	Tl	205	8	299	36	11.9	0.000165	**0.0892**	ug/L
ë	Pb	208	191	77232	930	1.2	0.043899	**19.6516**	ug/L
	C	13	22146	60140	568	0.9	37993.841262		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	111.124
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	104.212
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	107.264
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	112.707
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-22
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 01:33:46
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 345

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-22.224
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	14	8	56.4	0.000012	**-0.0257**	ug/L
ê	Mg	24	661	57457073	1062797	1.8	58.960585	**47942.0420**	ug/L
ê	Al	27	2548	6425122	39271	0.6	6.590975	**3680.1917**	ug/L
ê	Ca	44	5230	31350771	639663	2.0	32.166757	**515177.9574**	ug/L
ê>	Sc	45	889352	974474	9495	1.0	974473.687722		ug/L
ê	Cr	52	11493	52722	1337	2.5	0.041191	**26.3283**	ug/L
ê	Cr	53	47	4891	101	2.1	0.004966	**27.6766**	ug/L
ê	Mn	55	672	268004	3216	1.2	0.274266	**136.0494**	ug/L
ë	Co	59	50	9982	125	1.3	0.010187	**5.8120**	ug/L
é	Cu	65	13	3792	79	2.1	0.004333	**10.1873**	ug/L
ê	Cu	63	35	9982	187	1.9	0.011408	**12.4627**	ug/L
ê	Zn	66	51	5403	79	1.5	0.006136	**33.7768**	ug/L
ê	Zn	68	507	4124	96	2.3	0.004119	**32.1150**	ug/L
ê>	Ge	74	828838	871924	6221	0.7	871923.975277		ug/L
ë	As	75	-114	25610	365	1.4	0.029511	**141.0807**	ug/L
é	Se	77	89	151	12	7.9	0.000028	**3.9290**	ug/L
ê	Se	82	3	8001	116	1.5	0.004147	**408.7407**	ug/L
ê	Mo	98	9	804	21	2.6	0.000412	**1.1610**	ug/L
ê	Ag	107	5	156	5	3.4	0.000078	**0.1008**	ug/L
ê	Ag	109	3	127	9	7.1	0.000064	**0.0640**	ug/L
ê	Cd	111	4	111	11	10.2	0.000055	**0.2603**	ug/L
ê	Cd	114	23	292	17	5.9	0.000138	**0.2927**	ug/L
ê>	In	115	1790947	1928533	11213	0.6	1928533.203206		ug/L
ê	Sn	120	169	1127	39	3.5	0.000490	**0.4641**	ug/L
ê	Sb	121	4	206	11	5.5	0.000104	**0.1557**	ug/L
ë	Ba	138	53	63863	938	1.5	0.033088	**17.7332**	ug/L
é>	Tm	169	1556599	1738701	13595	0.8	1738700.913848		ug/L
ê	Tl	205	8	160	6	3.7	0.000087	**0.0431**	ug/L
ë	Pb	208	191	63146	417	0.7	0.036197	**16.1995**	ug/L
	C	13	22146	56804	692	1.2	34657.899220		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	109.571
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	105.198
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	107.682
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	111.699
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-23
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 01:36:59
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 346

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-23.225
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	1	43.3	-0.000002	**-0.1214**	ug/L
ê	Mg	24	661	7561	10248	135.5	0.006971	**-4.6765**	ug/L
ê	Al	27	2548	3774	1089	28.9	0.000967	**-0.9966**	ug/L
ê	Ca	44	5230	7744	3641	47.0	0.001989	**10.9771**	ug/L
ê>	Sc	45	889352	986310	6847	0.7	986310.100543		ug/L
ê	Cr	52	11493	12494	317	2.5	-0.000255	**-0.4514**	ug/L
ê	Cr	53	47	86	8	9.7	0.000035	**0.0751**	ug/L
ê	Mn	55	672	694	8	1.2	-0.000052	**-0.0346**	ug/L
ë	Co	59	50	47	12	25.2	-0.000009	**-0.0659**	ug/L
é	Cu	65	13	22	6	26.6	0.000008	**-0.0106**	ug/L
ê	Cu	63	35	30	3	9.5	-0.000009	**-0.0412**	ug/L
ê	Zn	66	51	67	3	3.7	0.000012	**0.0521**	ug/L
ê	Zn	68	507	542	13	2.4	-0.000023	**-0.3487**	ug/L
ê>	Ge	74	828838	922098	27726	3.0	922098.176900		ug/L
ë	As	75	-114	87	77	88.4	0.000232	**1.0924**	ug/L
é	Se	77	89	100	8	7.5	-0.000003	**-0.8843**	ug/L
ê	Se	82	3	90	25	27.9	0.000041	**3.7423**	ug/L
ê	Mo	98	9	12	3	21.3	0.000001	**-0.0294**	ug/L
ê	Ag	107	5	35	7	20.9	0.000013	**0.0141**	ug/L
ê	Ag	109	3	42	13	30.6	0.000018	**0.0104**	ug/L
ê	Cd	111	4	4	3	68.6	-0.000001	**-0.0109**	ug/L
ê	Cd	114	23	34	1	3.8	0.000003	**0.0156**	ug/L
ê>	In	115	1790947	2128252	66525	3.1	2128251.768604		ug/L
ê	Sn	120	169	89	8	9.0	-0.000052	**-0.1893**	ug/L
ê	Sb	121	4	13	4	30.8	0.000004	**-0.0127**	ug/L
ë	Ba	138	53	78	8	10.8	0.000007	**-0.0099**	ug/L
é>	Tm	169	1556599	1801732	45287	2.5	1801732.029321		ug/L
ê	Tl	205	8	6	3	39.7	-0.000001	**-0.0087**	ug/L
ë	Pb	208	191	222	35	15.9	0.000001	**-0.0241**	ug/L
	C	13	22146	30128	441	1.5	7981.918248		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	110.902
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	111.252
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	118.834
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	115.748
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-24
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 01:40:11
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 347

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408020-24.226
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	2	65.5	-0.000001	**-0.1142**	ug/L
ê	Mg	24	661	26236047	291873	1.1	26.442849	**21495.5082**	ug/L
ê	Al	27	2548	677951	16551	2.4	0.680270	**378.4633**	ug/L
ê	Ca	44	5230	1776779	39458	2.2	1.784383	**28558.6947**	ug/L
ê>	Sc	45	889352	992410	16866	1.7	992409.909015		ug/L
ê	Cr	52	11493	16922	307	1.8	0.004130	**2.3821**	ug/L
ê	Cr	53	47	1099	66	6.0	0.001055	**5.7868**	ug/L
ê	Mn	55	672	29368	222	0.8	0.028841	**14.2985**	ug/L
ë	Co	59	50	981	40	4.1	0.000932	**0.4764**	ug/L
é	Cu	65	13	1155	12	1.0	0.001236	**2.8843**	ug/L
ê	Cu	63	35	5548	144	2.6	0.005965	**6.5017**	ug/L
ê	Zn	66	51	5626	169	3.0	0.006030	**33.1968**	ug/L
ê	Zn	68	507	4522	92	2.0	0.004286	**33.4230**	ug/L
ê>	Ge	74	828838	923524	22126	2.4	923524.442971		ug/L
ë	As	75	-114	30864	274	0.9	0.033566	**160.4671**	ug/L
é	Se	77	89	157	10	6.6	0.000029	**4.0111**	ug/L
ê	Se	82	3	10085	82	0.8	0.005063	**499.0571**	ug/L
ê	Mo	98	9	1177	6	0.5	0.000586	**1.6656**	ug/L
ê	Ag	107	5	161	4	2.2	0.000078	**0.1008**	ug/L
ê	Ag	109	3	176	12	6.9	0.000087	**0.0904**	ug/L
ê	Cd	111	4	101	9	8.4	0.000048	**0.2286**	ug/L
ê	Cd	114	23	264	12	4.4	0.000120	**0.2547**	ug/L
ê>	In	115	1790947	1991320	5008	0.3	1991320.229888		ug/L
ê	Sn	120	169	151	17	11.3	-0.000019	**-0.1489**	ug/L
ê	Sb	121	4	161	5	2.9	0.000078	**0.1120**	ug/L
ë	Ba	138	53	46113	294	0.6	0.023128	**12.3911**	ug/L
é>	Tm	169	1556599	1761095	17436	1.0	1761095.130258		ug/L
ê	Tl	205	8	154	5	3.0	0.000083	**0.0406**	ug/L
ë	Pb	208	191	7298	225	3.1	0.004022	**1.7783**	ug/L
	C	13	22146	66274	1059	1.6	44127.575157		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	111.588
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	111.424
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	111.188
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	113.137
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140292-DUP4
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 01:43:23
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 348

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140292-DUP4.227
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3	1	33.3	0.000000	**-0.1095**	ug/L
ê	Mg	24	661	33690663	650790	1.9	33.696098	**27394.5441**	ug/L
ê	Al	27	2548	516790	2655	0.5	0.514107	**285.6442**	ug/L
ê	Ca	44	5230	3134864	42654	1.4	3.129212	**50098.1419**	ug/L
ê>	Sc	45	889352	1000230	27423	2.7	1000229.867461		ug/L
ê	Cr	52	11493	16781	340	2.0	0.003868	**2.2124**	ug/L
ê	Cr	53	47	1276	37	2.9	0.001224	**6.7316**	ug/L
ê	Mn	55	672	28765	619	2.2	0.028009	**13.8859**	ug/L
ë	Co	59	50	944	31	3.3	0.000887	**0.4503**	ug/L
é	Cu	65	13	1127	50	4.5	0.001203	**2.8065**	ug/L
ê	Cu	63	35	5736	176	3.1	0.006159	**6.7143**	ug/L
ê	Zn	66	51	4594	58	1.3	0.004906	**27.0028**	ug/L
ê	Zn	68	507	3735	88	2.3	0.003427	**26.6921**	ug/L
ê>	Ge	74	828838	924998	11909	1.3	924997.609056		ug/L
ë	As	75	-114	32078	765	2.4	0.034817	**166.4465**	ug/L
é	Se	77	89	176	9	4.9	0.000037	**5.2473**	ug/L
ê	Se	82	3	10480	254	2.4	0.005168	**509.4378**	ug/L
ê	Mo	98	9	1407	29	2.1	0.000689	**1.9653**	ug/L
ê	Ag	107	5	148	11	7.2	0.000070	**0.0900**	ug/L
ê	Ag	109	3	158	15	9.6	0.000076	**0.0784**	ug/L
ê	Cd	111	4	115	14	11.8	0.000054	**0.2565**	ug/L
ê	Cd	114	23	299	13	4.4	0.000135	**0.2853**	ug/L
ê>	In	115	1790947	2027567	39694	2.0	2027567.390782		ug/L
ê	Sn	120	169	155	9	6.0	-0.000018	**-0.1480**	ug/L
ê	Sb	121	4	174	11	6.3	0.000084	**0.1210**	ug/L
ë	Ba	138	53	39709	475	1.2	0.019562	**10.4784**	ug/L
é>	Tm	169	1556599	1748855	11765	0.7	1748854.886057		ug/L
ê	Tl	205	8	126	6	5.1	0.000067	**0.0316**	ug/L
ë	Pb	208	191	6454	186	2.9	0.003567	**1.5746**	ug/L
	C	13	22146	66362	548	0.8	44216.299914		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	112.467
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	111.602
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	113.212
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	112.351
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140292-MS4
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 01:46:35
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 349

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140292-MS4.228
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2195	73	3.3	0.002162	**15.4236**	ug/L
ê	Mg	24	661	27358429	399951	1.5	26.982665	**21934.5381**	ug/L
ê	Al	27	2548	783843	7923	1.0	0.770136	**428.6628**	ug/L
ê	Ca	44	5230	1178164	22139	1.9	1.156122	**18496.1513**	ug/L
ê>	Sc	45	889352	1014352	20811	2.1	1014351.946222		ug/L
ê	Cr	52	11493	48019	251	0.5	0.034427	**21.9574**	ug/L
ê	Cr	53	47	4991	95	1.9	0.004868	**27.1288**	ug/L
ê	Mn	55	672	35842	873	2.4	0.034596	**17.1535**	ug/L
ë	Co	59	50	39853	1152	2.9	0.039258	**22.5713**	ug/L
é	Cu	65	13	9653	302	3.1	0.010354	**24.3840**	ug/L
ê	Cu	63	35	23787	208	0.9	0.025515	**27.9129**	ug/L
ê	Zn	66	51	25096	115	0.5	0.026903	**148.1355**	ug/L
ê	Zn	68	507	18009	181	1.0	0.018738	**146.6989**	ug/L
ê>	Ge	74	828838	930755	7325	0.8	930754.535147		ug/L
ë	As	75	-114	31504	372	1.2	0.033987	**162.4803**	ug/L
é	Se	77	89	412	27	6.6	0.000154	**23.2735**	ug/L
ê	Se	82	3	10225	158	1.5	0.005062	**498.9547**	ug/L
ê	Mo	98	9	4292	131	3.1	0.002120	**6.1087**	ug/L
ê	Ag	107	5	19778	259	1.3	0.009792	**13.1456**	ug/L
ê	Ag	109	3	21673	483	2.2	0.010731	**12.4725**	ug/L
ê	Cd	111	4	1258	49	3.9	0.000621	**3.0181**	ug/L
ê	Cd	114	23	2930	55	1.9	0.001438	**2.9576**	ug/L
ê>	In	115	1790947	2019372	40475	2.0	2019371.882491		ug/L
ê	Sn	120	169	138	8	5.9	-0.000026	**-0.1579**	ug/L
ê	Sb	121	4	2974	69	2.3	0.001471	**2.4404**	ug/L
ë	Ba	138	53	127492	2176	1.7	0.063124	**33.8430**	ug/L
é>	Tm	169	1556599	1756418	21046	1.2	1756418.162350		ug/L
ê	Tl	205	8	3249	149	4.6	0.001844	**1.0745**	ug/L
ë	Pb	208	191	27599	649	2.4	0.015590	**6.9631**	ug/L
	C	13	22146	68626	303	0.4	46480.287086		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	114.055
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	112.296
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	112.754
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	112.837
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140292-MSD4
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 01:49:48
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 350

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\B140292-MSD4.229
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2176	93	4.3	0.002147	**15.3125**	ug/L
ê	Mg	24	661	26259429	287334	1.1	25.938960	**21085.6972**	ug/L
ê	Al	27	2548	829498	15863	1.9	0.816517	**454.5712**	ug/L
ê	Ca	44	5230	1460992	11199	0.8	1.437300	**22999.6447**	ug/L
ê>	Sc	45	889352	1012360	4230	0.4	1012360.103156		ug/L
ê	Cr	52	11493	47200	1493	3.2	0.033700	**21.4880**	ug/L
ê	Cr	53	47	4854	155	3.2	0.004742	**26.4242**	ug/L
ê	Mn	55	672	36720	742	2.0	0.035517	**17.6104**	ug/L
ë	Co	59	50	39233	837	2.1	0.038698	**22.2484**	ug/L
é	Cu	65	13	9769	236	2.4	0.010583	**24.9239**	ug/L
ê	Cu	63	35	23684	154	0.7	0.025659	**28.0711**	ug/L
ê	Zn	66	51	24983	49	0.2	0.027049	**148.9432**	ug/L
ê	Zn	68	507	17681	363	2.1	0.018573	**145.4045**	ug/L
ê>	Ge	74	828838	921620	10014	1.1	921619.543540		ug/L
ë	As	75	-114	31635	455	1.4	0.034464	**164.7591**	ug/L
é	Se	77	89	404	10	2.4	0.000153	**23.1830**	ug/L
ê	Se	82	3	10306	199	1.9	0.005183	**510.9152**	ug/L
ê	Mo	98	9	4110	130	3.2	0.002062	**5.9414**	ug/L
ê	Ag	107	5	19610	319	1.6	0.009862	**13.2396**	ug/L
ê	Ag	109	3	21798	501	2.3	0.010964	**12.7432**	ug/L
ê	Cd	111	4	1218	41	3.4	0.000610	**2.9665**	ug/L
ê	Cd	114	23	2901	102	3.5	0.001447	**2.9753**	ug/L
ê>	In	115	1790947	1987868	14366	0.7	1987867.798121		ug/L
ê	Sn	120	169	161	7	4.2	-0.000014	**-0.1427**	ug/L
ê	Sb	121	4	2868	27	0.9	0.001440	**2.3889**	ug/L
ë	Ba	138	53	128308	1255	1.0	0.064515	**34.5891**	ug/L
é>	Tm	169	1556599	1741088	1294	0.1	1741087.825488		ug/L
ê	Tl	205	8	3210	46	1.4	0.001839	**1.0713**	ug/L
ë	Pb	208	191	28097	449	1.6	0.016015	**7.1539**	ug/L
	C	13	22146	69845	634	0.9	47698.510329		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	113.831
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	111.194
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	110.995
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	111.852
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVK

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 01:53:01
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3020

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCVK.230
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1555	34	2.2	0.001697	**1.2080**	ug/L
ê	Mg	24	661	27009373	192287	0.7	29.529427	**2400.5809**	ug/L
ê	Al	27	2548	9631860	193362	2.0	10.525490	**587.8018**	ug/L
ê	Ca	44	5230	1233837	20354	1.6	1.342882	**2148.7395**	ug/L
ê>	Sc	45	889352	914914	22228	2.4	914914.150757		ug/L
ê	Cr	52	11493	381408	10780	2.8	0.403952	**26.0718**	ug/L
ê	Cr	53	47	43380	998	2.3	0.047364	**26.4966**	ug/L
ê	Mn	55	672	500447	8254	1.6	0.546367	**27.1034**	ug/L
ë	Co	59	50	86290	478	0.6	0.094289	**5.4297**	ug/L
é	Cu	65	13	38599	179	0.5	0.043220	**10.1879**	ug/L
ê	Cu	63	35	83951	872	1.0	0.093993	**10.2911**	ug/L
ê	Zn	66	51	80686	987	1.2	0.090319	**49.7359**	ug/L
ê	Zn	68	507	58041	825	1.4	0.064413	**50.4687**	ug/L
ê>	Ge	74	828838	892860	13286	1.5	892860.215295		ug/L
ë	As	75	-114	19123	295	1.5	0.021559	**10.3060**	ug/L
é	Se	77	89	1352	37	2.7	0.000651	**9.9777**	ug/L
ê	Se	82	3	2156	92	4.3	0.001116	**10.9779**	ug/L
ê	Mo	98	9	35476	269	0.8	0.018381	**5.3202**	ug/L
ê	Ag	107	5	30334	315	1.0	0.015718	**2.1102**	ug/L
ê	Ag	109	3	34468	109	0.3	0.017863	**2.0769**	ug/L
ê	Cd	111	4	3861	81	2.1	0.001998	**0.9730**	ug/L
ê	Cd	114	23	9167	106	1.2	0.004738	**0.9724**	ug/L
ê>	In	115	1790947	1929624	23148	1.2	1929623.639000		ug/L
ê	Sn	120	169	41126	447	1.1	0.021220	**2.5436**	ug/L
ê	Sb	121	4	11475	85	0.7	0.005945	**0.9919**	ug/L
ë	Ba	138	53	865689	4224	0.5	0.448628	**24.0609**	ug/L
é>	Tm	169	1556599	1682391	34545	2.1	1682390.511449		ug/L
ê	Tl	205	8	14963	163	1.1	0.008891	**0.5210**	ug/L
ë	Pb	208	191	99941	1352	1.4	0.059294	**2.6552**	ug/L
	C	13	22146	29959	265	0.9	7812.893791		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	102.874
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	107.724
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	107.743
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	108.081
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBK

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 01:56:13
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCBK.231
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	34.6	-0.000001	**-0.0118**	ug/L
ê	Mg	24	661	1974	885	44.8	0.001401	**-0.9207**	ug/L
ê	Al	27	2548	3289	325	9.9	0.000705	**-0.1143**	ug/L
ê	Ca	44	5230	4691	69	1.5	-0.000790	**-3.3523**	ug/L
ê>	Sc	45	889352	921589	4509	0.5	921589.322222		ug/L
ê	Cr	52	11493	12599	240	1.9	0.000749	**0.0197**	ug/L
ê	Cr	53	47	71	24	34.2	0.000024	**0.0017**	ug/L
ê	Mn	55	672	813	46	5.6	0.000127	**0.0054**	ug/L
ë	Co	59	50	57	13	22.1	0.000005	**-0.0058**	ug/L
é	Cu	65	13	34	5	13.8	0.000023	**0.0024**	ug/L
ê	Cu	63	35	69	12	17.1	0.000035	**0.0007**	ug/L
ê	Zn	66	51	79	19	23.7	0.000027	**0.0136**	ug/L
ê	Zn	68	507	563	27	4.8	0.000016	**-0.0038**	ug/L
ê>	Ge	74	828838	897070	1864	0.2	897070.042585		ug/L
ë	As	75	-114	-61	27	43.6	0.000070	**0.0320**	ug/L
é	Se	77	89	106	12	11.4	0.000005	**0.0388**	ug/L
ê	Se	82	3	42	8	18.8	0.000020	**0.1711**	ug/L
ê	Mo	98	9	15	2	13.3	0.000003	**-0.0023**	ug/L
ê	Ag	107	5	9	7	75.3	0.000002	**-0.0001**	ug/L
ê	Ag	109	3	9	2	19.2	0.000003	**-0.0007**	ug/L
ê	Cd	111	4	4	4	81.0	-0.000000	**-0.0008**	ug/L
ê	Cd	114	23	22	5	24.1	-0.000002	**0.0006**	ug/L
ê>	In	115	1790947	1926792	20276	1.1	1926791.844835		ug/L
ê	Sn	120	169	385	20	5.1	0.000105	**0.0000**	ug/L
ê	Sb	121	4	25	4	14.4	0.000011	**-0.0001**	ug/L
ë	Ba	138	53	117	32	26.9	0.000031	**0.0003**	ug/L
é>	Tm	169	1556599	1667518	9845	0.6	1667517.672839		ug/L
ê	Tl	205	8	9	2	19.2	0.000000	**-0.0008**	ug/L
ë	Pb	208	191	215	18	8.3	0.000006	**-0.0021**	ug/L
	C	13	22146	29883	119	0.4	7736.399186		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	103.625
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	108.232
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	107.585
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	107.126
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-01
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 01:59:26
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 351

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408011-01.232
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	0	1	173.2	-0.000003	**-0.1287**	ug/L
ê	Mg	24	661	1688669	13480	0.8	1.685127	**1360.1606**	ug/L
ê	Al	27	2548	46750	662	1.4	0.043803	**22.9321**	ug/L
ê	Ca	44	5230	222342	1632	0.7	0.216105	**3440.3671**	ug/L
ê>	Sc	45	889352	1001906	23149	2.3	1001906.229728		ug/L
ê	Cr	52	11493	18013	931	5.2	0.005048	**2.9749**	ug/L
ê	Cr	53	47	991	63	6.3	0.000938	**5.1306**	ug/L
ê	Mn	55	672	10277	112	1.1	0.009505	**4.7063**	ug/L
ë	Co	59	50	655	27	4.2	0.000597	**0.2834**	ug/L
é	Cu	65	13	4941	59	1.2	0.005193	**12.2144**	ug/L
ê	Cu	63	35	10911	130	1.2	0.011461	**12.5208**	ug/L
ê	Zn	66	51	54433	794	1.5	0.057321	**315.6415**	ug/L
ê	Zn	68	507	38124	825	2.2	0.039580	**310.0490**	ug/L
ê>	Ge	74	828838	948594	4891	0.5	948594.229439		ug/L
ë	As	75	-114	381	66	17.4	0.000540	**2.5658**	ug/L
é	Se	77	89	244	25	10.2	0.000070	**10.4085**	ug/L
ê	Se	82	3	180	7	3.9	0.000087	**8.3068**	ug/L
ê	Mo	98	9	66	8	11.6	0.000027	**0.0479**	ug/L
ê	Ag	107	5	403	21	5.3	0.000196	**0.2592**	ug/L
ê	Ag	109	3	413	32	7.8	0.000202	**0.2242**	ug/L
ê	Cd	111	4	7	3	37.8	0.000001	**-0.0025**	ug/L
ê	Cd	114	23	45	6	13.8	0.000010	**0.0285**	ug/L
ê>	In	115	1790947	2029432	55627	2.7	2029431.738080		ug/L
ê	Sn	120	169	303	8	2.6	0.000055	**-0.0601**	ug/L
ê	Sb	121	4	38	4	9.5	0.000016	**0.0085**	ug/L
ë	Ba	138	53	82181	734	0.9	0.040492	**21.7040**	ug/L
é>	Tm	169	1556599	1741814	27966	1.6	1741814.498588		ug/L
ê	Tl	205	8	164	17	10.7	0.000089	**0.0444**	ug/L
ë	Pb	208	191	818	17	2.1	0.000347	**0.1312**	ug/L
	C	13	22146	233813	2058	0.9	211666.468362		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	112.656
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	114.449
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	113.316
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	111.899
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-02
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 02:02:38
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 352

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408011-02.233
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	10	1	11.9	0.000007	**-0.0604**	ug/L
ê	Mg	24	661	13494478	185147	1.4	13.727113	**11153.8550**	ug/L
ê	Al	27	2548	5137866	56957	1.1	5.225063	**2917.1912**	ug/L
ê	Ca	44	5230	27095348	745590	2.8	27.566205	**441493.2186**	ug/L
ê>	Sc	45	889352	983025	15580	1.6	983025.344380		ug/L
ê	Cr	52	11493	69189	705	1.0	0.057477	**36.8511**	ug/L
ê	Cr	53	47	6811	176	2.6	0.006877	**38.3683**	ug/L
ê	Mn	55	672	345715	6650	1.9	0.351033	**174.1319**	ug/L
ë	Co	59	50	3661	61	1.7	0.003669	**2.0544**	ug/L
é	Cu	65	13	3556	111	3.1	0.003993	**9.3865**	ug/L
ê	Cu	63	35	8014	149	1.9	0.008994	**9.8192**	ug/L
ê	Zn	66	51	69081	618	0.9	0.077841	**428.6452**	ug/L
ê	Zn	68	507	49322	923	1.9	0.055001	**430.9167**	ug/L
ê>	Ge	74	828838	886876	13884	1.6	886876.199408		ug/L
ë	As	75	-114	310	95	30.8	0.000487	**2.3107**	ug/L
é	Se	77	89	246	7	2.7	0.000077	**11.4394**	ug/L
ê	Se	82	3	254	31	12.2	0.000130	**12.5261**	ug/L
ê	Mo	98	9	943	77	8.2	0.000482	**1.3648**	ug/L
ê	Ag	107	5	79	10	12.8	0.000038	**0.0471**	ug/L
ê	Ag	109	3	72	1	1.4	0.000036	**0.0309**	ug/L
ê	Cd	111	4	31	9	27.7	0.000013	**0.0579**	ug/L
ê	Cd	114	23	102	16	15.8	0.000040	**0.0909**	ug/L
ê>	In	115	1790947	1935473	25394	1.3	1935472.703609		ug/L
ê	Sn	120	169	1415	95	6.7	0.000636	**0.6401**	ug/L
ê	Sb	121	4	147	3	2.2	0.000073	**0.1038**	ug/L
ë	Ba	138	53	192472	1999	1.0	0.099422	**53.3116**	ug/L
é>	Tm	169	1556599	1713100	6239	0.4	1713099.713665		ug/L
ê	Tl	205	8	84	17	20.4	0.000044	**0.0181**	ug/L
ë	Pb	208	191	10316	255	2.5	0.005899	**2.6197**	ug/L
	C	13	22146	143412	2439	1.7	121266.234870		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	110.533
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	107.002
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	108.070
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	110.054
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-03
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 02:05:51
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 353

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408011-03.234
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	24.7	-0.000001	**-0.1145**	ug/L
ê	Mg	24	661	2296576	38173	1.7	2.287154	**1849.7859**	ug/L
ê	Al	27	2548	55613	1176	2.1	0.052541	**27.8128**	ug/L
ê	Ca	44	5230	520007	12094	2.3	0.512279	**8184.0423**	ug/L
ê>	Sc	45	889352	1003798	12558	1.3	1003798.061703		ug/L
ê	Cr	52	11493	22369	729	3.3	0.009361	**5.7617**	ug/L
ê	Cr	53	47	1659	24	1.5	0.001601	**8.8402**	ug/L
ê	Mn	55	672	16495	493	3.0	0.015679	**7.7694**	ug/L
ë	Co	59	50	460	13	2.9	0.000402	**0.1706**	ug/L
é	Cu	65	13	4719	116	2.5	0.004953	**11.6493**	ug/L
ê	Cu	63	35	10672	362	3.4	0.011197	**12.2316**	ug/L
ê	Zn	66	51	46590	405	0.9	0.049008	**269.8662**	ug/L
ê	Zn	68	507	33066	405	1.2	0.034207	**267.9373**	ug/L
ê>	Ge	74	828838	949736	16057	1.7	949735.737312		ug/L
ë	As	75	-114	437	88	20.3	0.000598	**2.8436**	ug/L
é	Se	77	89	221	27	12.4	0.000058	**8.4743**	ug/L
ê	Se	82	3	171	27	15.5	0.000082	**7.8088**	ug/L
ê	Mo	98	9	82	7	8.2	0.000035	**0.0701**	ug/L
ê	Ag	107	5	241	9	3.7	0.000114	**0.1497**	ug/L
ê	Ag	109	3	250	17	6.8	0.000120	**0.1291**	ug/L
ê	Cd	111	4	7	1	7.9	0.000001	**-0.0020**	ug/L
ê	Cd	114	23	32	5	16.0	0.000002	**0.0139**	ug/L
ê>	In	115	1790947	2054696	53690	2.6	2054696.370673		ug/L
ê	Sn	120	169	303	22	7.2	0.000053	**-0.0624**	ug/L
ê	Sb	121	4	23	10	43.1	0.000009	**-0.0040**	ug/L
ë	Ba	138	53	62888	180	0.3	0.030591	**16.3937**	ug/L
é>	Tm	169	1556599	1752766	7443	0.4	1752765.867128		ug/L
ê	Tl	205	8	45	6	13.3	0.000021	**0.0043**	ug/L
ë	Pb	208	191	924	12	1.3	0.000405	**0.1570**	ug/L
	C	13	22146	229249	5997	2.6	207102.444307		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	112.868
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	114.586
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	114.727
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	112.602
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-04
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 02:09:03
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 354

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408011-04.235
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3	1	21.7	-0.000000	**-0.1120**	ug/L
ê	Mg	24	661	9276512	61675	0.7	9.288366	**7543.8415**	ug/L
ê	Al	27	2548	126958	4271	3.4	0.124227	**67.8567**	ug/L
ê	Ca	44	5230	18810257	416874	2.2	18.824999	**301489.7033**	ug/L
ê>	Sc	45	889352	998869	16094	1.6	998869.056104		ug/L
ê	Cr	52	11493	259146	2332	0.9	0.246546	**159.0135**	ug/L
ê	Cr	53	47	29048	193	0.7	0.029032	**162.3698**	ug/L
ê	Mn	55	672	174674	6875	3.9	0.174090	**86.3541**	ug/L
ë	Co	59	50	1427	24	1.7	0.001372	**0.7300**	ug/L
é	Cu	65	13	2591	110	4.2	0.002860	**6.7156**	ug/L
ê	Cu	63	35	5831	207	3.5	0.006430	**7.0105**	ug/L
ê	Zn	66	51	55875	1045	1.9	0.061957	**341.1712**	ug/L
ê	Zn	68	507	39097	652	1.7	0.042783	**335.1542**	ug/L
ê>	Ge	74	828838	900963	1487	0.2	900962.901787		ug/L
ë	As	75	-114	101	47	46.3	0.000250	**1.1787**	ug/L
é	Se	77	89	231	8	3.6	0.000066	**9.6786**	ug/L
ê	Se	82	3	186	12	6.5	0.000091	**8.7352**	ug/L
ê	Mo	98	9	2483	81	3.3	0.001238	**3.5541**	ug/L
ê	Ag	107	5	73	2	2.1	0.000033	**0.0410**	ug/L
ê	Ag	109	3	87	11	12.8	0.000042	**0.0383**	ug/L
ê	Cd	111	4	10	2	14.8	0.000003	**0.0058**	ug/L
ê	Cd	114	23	46	10	21.3	0.000010	**0.0291**	ug/L
ê>	In	115	1790947	1999464	55350	2.8	1999464.394538		ug/L
ê	Sn	120	169	2081	23	1.1	0.000947	**1.0144**	ug/L
ê	Sb	121	4	46	7	15.9	0.000021	**0.0159**	ug/L
ë	Ba	138	53	72698	610	0.8	0.036345	**19.4799**	ug/L
é>	Tm	169	1556599	1731772	12964	0.7	1731771.843439		ug/L
ê	Tl	205	8	48	11	23.5	0.000023	**0.0055**	ug/L
ë	Pb	208	191	2359	96	4.1	0.001239	**0.5311**	ug/L
	C	13	22146	126327	687	0.5	104181.281539		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	112.314
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	108.702
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	111.643
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	111.254
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-05
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 02:12:15
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 355

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408011-05.236
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	5	4	81.1	0.000002	**-0.0982**	ug/L
ê	Mg	24	661	3612210	98849	2.7	3.556382	**2882.0439**	ug/L
ê	Al	27	2548	453299	6855	1.5	0.443563	**246.2386**	ug/L
ê	Ca	44	5230	764467	12518	1.6	0.746948	**11942.6159**	ug/L
ê>	Sc	45	889352	1015440	6357	0.6	1015440.061371		ug/L
ê	Cr	52	11493	22523	460	2.0	0.009259	**5.6957**	ug/L
ê	Cr	53	47	2288	440	19.2	0.002199	**12.1901**	ug/L
ê	Mn	55	672	43675	296	0.7	0.042256	**20.9536**	ug/L
ë	Co	59	50	1154	38	3.3	0.001080	**0.5614**	ug/L
é	Cu	65	13	11667	184	1.6	0.012391	**29.1880**	ug/L
ê	Cu	63	35	25469	115	0.5	0.027045	**29.5880**	ug/L
ê	Zn	66	51	36882	286	0.8	0.039164	**215.6581**	ug/L
ê	Zn	68	507	26319	314	1.2	0.027380	**214.4278**	ug/L
ê>	Ge	74	828838	940327	8177	0.9	940327.207637		ug/L
ë	As	75	-114	151	57	38.1	0.000298	**1.4087**	ug/L
é	Se	77	89	260	19	7.1	0.000077	**11.5038**	ug/L
ê	Se	82	3	193	11	5.9	0.000093	**8.8905**	ug/L
ê	Mo	98	9	269	112	41.7	0.000127	**0.3351**	ug/L
ê	Ag	107	5	66	15	22.0	0.000029	**0.0357**	ug/L
ê	Ag	109	3	68	4	5.2	0.000031	**0.0261**	ug/L
ê	Cd	111	4	11	3	22.2	0.000003	**0.0076**	ug/L
ê	Cd	114	23	49	7	13.2	0.000011	**0.0321**	ug/L
ê>	In	115	1790947	2042168	52415	2.6	2042168.446329		ug/L
ê	Sn	120	169	177	4	2.5	-0.000008	**-0.1356**	ug/L
ê	Sb	121	4	27	9	34.8	0.000011	**-0.0011**	ug/L
ë	Ba	138	53	83860	554	0.7	0.041054	**22.0056**	ug/L
é>	Tm	169	1556599	1750010	7177	0.4	1750009.967142		ug/L
ê	Tl	205	8	258	20	7.9	0.000142	**0.0756**	ug/L
ë	Pb	208	191	1196	47	3.9	0.000561	**0.2269**	ug/L
	C	13	22146	185377	1881	1.0	163230.597447		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	114.177
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	113.451
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	114.027
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	112.425
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-06
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 02:15:27
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 356

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408011-06.237
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	4	1	25.0	0.000001	**-0.1029**	ug/L
ê	Mg	24	661	9308341	180128	1.9	9.175009	**7451.6490**	ug/L
ê	Al	27	2548	158713	5247	3.3	0.153593	**84.2605**	ug/L
ê	Ca	44	5230	20268450	106423	0.5	19.976244	**319928.6133**	ug/L
ê>	Sc	45	889352	1014582	17781	1.8	1014582.346526		ug/L
ê	Cr	52	11493	244010	8211	3.4	0.227600	**146.7722**	ug/L
ê	Cr	53	47	26845	366	1.4	0.026412	**147.7056**	ug/L
ê	Mn	55	672	233029	3129	1.3	0.228977	**113.5822**	ug/L
ë	Co	59	50	1323	73	5.5	0.001248	**0.6585**	ug/L
é	Cu	65	13	2791	48	1.7	0.003076	**7.2229**	ug/L
ê	Cu	63	35	6214	119	1.9	0.006842	**7.4621**	ug/L
ê	Zn	66	51	44872	774	1.7	0.049640	**273.3436**	ug/L
ê	Zn	68	507	31774	385	1.2	0.034581	**270.8700**	ug/L
ê>	Ge	74	828838	903126	18290	2.0	903126.011277		ug/L
ë	As	75	-114	14	62	455.7	0.000152	**0.7116**	ug/L
é	Se	77	89	185	18	9.5	0.000043	**6.2380**	ug/L
ê	Se	82	3	122	9	7.0	0.000060	**5.6663**	ug/L
ê	Mo	98	9	162	15	8.9	0.000077	**0.1916**	ug/L
ê	Ag	107	5	51	9	17.1	0.000023	**0.0267**	ug/L
ê	Ag	109	3	58	7	11.3	0.000028	**0.0216**	ug/L
ê	Cd	111	4	14	4	26.4	0.000005	**0.0158**	ug/L
ê	Cd	114	23	64	19	30.3	0.000019	**0.0489**	ug/L
ê>	In	115	1790947	1982027	23680	1.2	1982027.046311		ug/L
ê	Sn	120	169	4315	97	2.2	0.002083	**2.3829**	ug/L
ê	Sb	121	4	54	9	16.9	0.000025	**0.0224**	ug/L
ë	Ba	138	53	135264	2998	2.2	0.068222	**36.5774**	ug/L
é>	Tm	169	1556599	1723063	14253	0.8	1723063.163642		ug/L
ê	Tl	205	8	27	2	5.7	0.000011	**-0.0017**	ug/L
ë	Pb	208	191	6658	91	1.4	0.003741	**1.6526**	ug/L
	C	13	22146	108575	1386	1.3	86429.261713		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	114.081
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	108.963
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	110.669
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	110.694
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-07
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 02:18:39
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 357

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408011-07.238
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	1	50.0	-0.000001	**-0.1168**	ug/L
ê	Mg	24	661	2867551	10087	0.4	2.878347	**2330.6013**	ug/L
ê	Al	27	2548	50337	276	0.5	0.047677	**25.0960**	ug/L
ê	Ca	44	5230	633967	1656	0.3	0.630656	**10080.0193**	ug/L
ê>	Sc	45	889352	996057	11517	1.2	996056.865996		ug/L
ê	Cr	52	11493	39588	1355	3.4	0.026820	**17.0428**	ug/L
ê	Cr	53	47	3674	46	1.3	0.003636	**20.2318**	ug/L
ê	Mn	55	672	12864	303	2.4	0.012159	**6.0230**	ug/L
ë	Co	59	50	499	13	2.5	0.000444	**0.1953**	ug/L
é	Cu	65	13	9163	31	0.3	0.009702	**22.8479**	ug/L
ê	Cu	63	35	20733	344	1.7	0.021949	**24.0078**	ug/L
ê	Zn	66	51	72806	350	0.5	0.077153	**424.8537**	ug/L
ê	Zn	68	507	51604	240	0.5	0.054119	**424.0032**	ug/L
ê>	Ge	74	828838	943104	16787	1.8	943104.498771		ug/L
ë	As	75	-114	499	40	7.9	0.000668	**3.1755**	ug/L
é	Se	77	89	259	5	2.0	0.000077	**11.3934**	ug/L
ê	Se	82	3	207	11	5.4	0.000100	**9.5499**	ug/L
ê	Mo	98	9	314	21	6.7	0.000149	**0.3996**	ug/L
ê	Ag	107	5	346	27	7.8	0.000166	**0.2197**	ug/L
ê	Ag	109	3	387	6	1.6	0.000187	**0.2076**	ug/L
ê	Cd	111	4	26	8	30.0	0.000010	**0.0422**	ug/L
ê	Cd	114	23	77	8	10.2	0.000025	**0.0597**	ug/L
ê>	In	115	1790947	2046750	61608	3.0	2046749.522561		ug/L
ê	Sn	120	169	574	232	40.4	0.000185	**0.0968**	ug/L
ê	Sb	121	4	24	1	4.9	0.000009	**-0.0035**	ug/L
ë	Ba	138	53	82850	202	0.2	0.040475	**21.6954**	ug/L
é>	Tm	169	1556599	1734564	17609	1.0	1734564.221239		ug/L
ê	Tl	205	8	92	9	9.8	0.000048	**0.0202**	ug/L
ë	Pb	208	191	1342	18	1.3	0.000651	**0.2673**	ug/L
	C	13	22146	230608	966	0.4	208461.932617		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	111.998
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	113.786
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	114.283
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	111.433
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-08
Sample Description: 10x
Batch ID: B140292

Sample Date/Time: Wednesday, March 12, 2014 02:21:51
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 358

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\1408011-08.239
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	7	1	17.3	0.000004	**-0.0809**	ug/L
ê	Mg	24	661	12019799	81299	0.7	12.609933	**10245.2576**	ug/L
ê	Al	27	2548	130310	1748	1.3	0.133847	**73.2305**	ug/L
ê	Ca	44	5230	34274582	251059	0.7	35.952090	**575805.7306**	ug/L
ê>	Sc	45	889352	953215	9823	1.0	953214.612553		ug/L
ê	Cr	52	11493	75392	1177	1.6	0.066167	**42.4656**	ug/L
ê	Cr	53	47	7679	92	1.2	0.008004	**44.6794**	ug/L
ê	Mn	55	672	163071	2550	1.6	0.170331	**84.4891**	ug/L
ë	Co	59	50	1544	20	1.3	0.001564	**0.8406**	ug/L
é	Cu	65	13	1679	38	2.3	0.001908	**4.4703**	ug/L
ê	Cu	63	35	4024	65	1.6	0.004570	**4.9733**	ug/L
ê	Zn	66	51	114674	887	0.8	0.131344	**723.2717**	ug/L
ê	Zn	68	507	82041	918	1.1	0.093401	**731.8819**	ug/L
ê>	Ge	74	828838	872821	15942	1.8	872821.284379		ug/L
ë	As	75	-114	89	95	106.6	0.000241	**1.1367**	ug/L
é	Se	77	89	212	26	12.0	0.000061	**8.9310**	ug/L
ê	Se	82	3	142	10	7.4	0.000073	**6.9002**	ug/L
ê	Mo	98	9	201	9	4.4	0.000100	**0.2575**	ug/L
ê	Ag	107	5	54	12	22.8	0.000025	**0.0300**	ug/L
ê	Ag	109	3	60	6	10.0	0.000030	**0.0242**	ug/L
ê	Cd	111	4	34	10	29.0	0.000015	**0.0672**	ug/L
ê	Cd	114	23	108	8	7.3	0.000043	**0.0976**	ug/L
ê>	In	115	1790947	1917331	24842	1.3	1917331.074222		ug/L
ê	Sn	120	169	8864	100	1.1	0.004529	**5.3298**	ug/L
ê	Sb	121	4	21	4	17.2	0.000009	**-0.0046**	ug/L
ë	Ba	138	53	154749	2616	1.7	0.080685	**43.2618**	ug/L
é>	Tm	169	1556599	1704503	9716	0.6	1704502.893587		ug/L
ê	Tl	205	8	23	1	4.9	0.000009	**-0.0027**	ug/L
ë	Pb	208	191	21443	404	1.9	0.012458	**5.5596**	ug/L
	C	13	22146	140516	3288	2.3	118369.439730		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	107.181
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	105.307
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	107.057
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	109.502
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVL

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 02:25:06
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3020

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCVL.240
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1650	132	8.0	0.001811	**1.2903**	ug/L
ê	Mg	24	661	27314313	625469	2.3	30.029194	**2441.2267**	ug/L
ê	Al	27	2548	9722808	264018	2.7	10.686805	**596.8128**	ug/L
ê	Ca	44	5230	1189216	7680	0.6	1.301513	**2082.4811**	ug/L
ê>	Sc	45	889352	909633	3898	0.4	909633.237576		ug/L
ê	Cr	52	11493	379802	2819	0.7	0.404623	**26.1151**	ug/L
ê	Cr	53	47	42438	663	1.6	0.046604	**26.0713**	ug/L
ê	Mn	55	672	498579	4267	0.9	0.547367	**27.1530**	ug/L
ë	Co	59	50	88416	2007	2.3	0.097150	**5.5946**	ug/L
é	Cu	65	13	38463	539	1.4	0.044807	**10.5619**	ug/L
ê	Cu	63	35	82322	889	1.1	0.095890	**10.4988**	ug/L
ê	Zn	66	51	80058	1423	1.8	0.093234	**51.3411**	ug/L
ê	Zn	68	507	56903	555	1.0	0.065697	**51.4746**	ug/L
ê>	Ge	74	828838	858206	6103	0.7	858206.197509		ug/L
ë	As	75	-114	17923	231	1.3	0.021023	**10.0499**	ug/L
é	Se	77	89	1325	34	2.5	0.000636	**9.7468**	ug/L
ê	Se	82	3	1981	93	4.7	0.001024	**10.0683**	ug/L
ê	Mo	98	9	33949	573	1.7	0.017570	**5.0853**	ug/L
ê	Ag	107	5	30173	90	0.3	0.015617	**2.0967**	ug/L
ê	Ag	109	3	34641	323	0.9	0.017932	**2.0849**	ug/L
ê	Cd	111	4	3890	94	2.4	0.002011	**0.9793**	ug/L
ê	Cd	114	23	9111	153	1.7	0.004704	**0.9653**	ug/L
ê>	In	115	1790947	1931701	9704	0.5	1931700.799955		ug/L
ê	Sn	120	169	40824	826	2.0	0.021040	**2.5219**	ug/L
ê	Sb	121	4	11720	218	1.9	0.006065	**1.0121**	ug/L
ë	Ba	138	53	874867	2639	0.3	0.452880	**24.2890**	ug/L
é>	Tm	169	1556599	1686898	6834	0.4	1686898.307695		ug/L
ê	Tl	205	8	15074	147	1.0	0.008931	**0.5233**	ug/L
ë	Pb	208	191	100166	402	0.4	0.059257	**2.6535**	ug/L
	C	13	22146	32425	289	0.9	10278.602329		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	102.280
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	103.543
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	107.859
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	108.371
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBL

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 02:28:19
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-CCBL.241
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	0	0.0	-0.000002	**-0.0124**	ug/L
ê	Mg	24	661	2578	1725	66.9	0.002008	**-0.8713**	ug/L
ê	Al	27	2548	3677	577	15.7	0.001053	**-0.0949**	ug/L
ê	Ca	44	5230	4839	205	4.2	-0.000728	**-3.2529**	ug/L
ê>	Sc	45	889352	939197	5347	0.6	939196.533307		ug/L
ê	Cr	52	11493	12560	106	0.8	0.000451	**0.0005**	ug/L
ê	Cr	53	47	75	3	4.3	0.000028	**0.0036**	ug/L
ê	Mn	55	672	805	61	7.6	0.000103	**0.0042**	ug/L
ë	Co	59	50	62	10	16.4	0.000009	**-0.0056**	ug/L
é	Cu	65	13	22	3	11.6	0.000009	**-0.0008**	ug/L
ê	Cu	63	35	54	21	38.5	0.000019	**-0.0010**	ug/L
ê	Zn	66	51	70	17	23.6	0.000018	**0.0087**	ug/L
ê	Zn	68	507	534	16	2.9	-0.000005	**-0.0206**	ug/L
ê>	Ge	74	828838	880397	4766	0.5	880396.645336		ug/L
ë	As	75	-114	-154	39	25.2	-0.000037	**-0.0191**	ug/L
é	Se	77	89	110	8	7.1	0.000006	**0.0476**	ug/L
ê	Se	82	3	12	9	76.3	0.000004	**0.0151**	ug/L
ê	Mo	98	9	17	4	25.0	0.000004	**-0.0021**	ug/L
ê	Ag	107	5	9	2	19.2	0.000002	**-0.0002**	ug/L
ê	Ag	109	3	6	3	50.8	0.000002	**-0.0009**	ug/L
ê	Cd	111	4	6	3	53.9	0.000000	**-0.0005**	ug/L
ê	Cd	114	23	32	14	44.8	0.000003	**0.0015**	ug/L
ê>	In	115	1790947	1978739	68278	3.5	1978738.682448		ug/L
ê	Sn	120	169	374	9	2.5	0.000095	**-0.0012**	ug/L
ê	Sb	121	4	26	4	15.7	0.000011	**-0.0001**	ug/L
ë	Ba	138	53	112	38	34.4	0.000027	**0.0001**	ug/L
é>	Tm	169	1556599	1683595	20914	1.2	1683595.283326		ug/L
ê	Tl	205	8	8	4	54.5	-0.000000	**-0.0008**	ug/L
ë	Pb	208	191	213	7	3.3	0.000004	**-0.0023**	ug/L
	C	13	22146	31813	473	1.5	9666.565198		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	105.605
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	106.221
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	110.486
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	108.159
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 02:31:31
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\rinse.242
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	3	1	33.3	0.000000	**-0.0108**	ug/L
ê	Mg	24	661	1342	710	52.9	0.000720	**-0.9760**	ug/L
ê	Al	27	2548	3629	212	5.8	0.001085	**-0.0930**	ug/L
ê	Ca	44	5230	4850	103	2.1	-0.000602	**-3.0518**	ug/L
ê>	Sc	45	889352	918868	7584	0.8	918867.929320		ug/L
ê	Cr	52	11493	11933	244	2.0	0.000064	**-0.0245**	ug/L
ê	Cr	53	47	69	9	13.7	0.000023	**0.0010**	ug/L
ê	Mn	55	672	765	71	9.3	0.000078	**0.0030**	ug/L
ë	Co	59	50	46	6	14.1	-0.000007	**-0.0065**	ug/L
é	Cu	65	13	24	5	20.8	0.000011	**-0.0003**	ug/L
ê	Cu	63	35	37	5	12.1	0.000000	**-0.0031**	ug/L
ê	Zn	66	51	76	16	21.5	0.000023	**0.0118**	ug/L
ê	Zn	68	507	570	26	4.6	0.000030	**0.0070**	ug/L
ê>	Ge	74	828838	889243	18483	2.1	889243.263133		ug/L
ë	As	75	-114	-173	51	29.6	-0.000056	**-0.0284**	ug/L
é	Se	77	89	114	10	8.9	0.000008	**0.0821**	ug/L
ê	Se	82	3	14	5	31.4	0.000006	**0.0297**	ug/L
ê	Mo	98	9	14	4	27.6	0.000002	**-0.0026**	ug/L
ê	Ag	107	5	9	1	13.3	0.000001	**-0.0002**	ug/L
ê	Ag	109	3	5	3	60.3	0.000001	**-0.0009**	ug/L
ê	Cd	111	4	4	1	13.3	-0.000000	**-0.0009**	ug/L
ê	Cd	114	23	33	3	10.5	0.000004	**0.0017**	ug/L
ê>	In	115	1790947	1967042	14289	0.7	1967041.867074		ug/L
ê	Sn	120	169	189	10	5.1	0.000002	**-0.0124**	ug/L
ê	Sb	121	4	28	2	5.5	0.000012	**0.0001**	ug/L
ë	Ba	138	53	132	85	64.3	0.000038	**0.0006**	ug/L
é>	Tm	169	1556599	1679171	4996	0.3	1679171.446077		ug/L
ê	Tl	205	8	7	2	31.2	-0.000001	**-0.0008**	ug/L
ë	Pb	208	191	206	2	1.0	-0.000000	**-0.0024**	ug/L
	C	13	22146	31139	239	0.8	8993.079864		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	103.319
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	107.288
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	109.833
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	107.874
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 02:34:43
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\rinse.243
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	2	124.9	-0.000001	**-0.0118**	ug/L
ê	Mg	24	661	822	56	6.8	0.000144	**-1.0229**	ug/L
ê	Al	27	2548	3538	48	1.4	0.000956	**-0.1003**	ug/L
ê	Ca	44	5230	4747	98	2.1	-0.000756	**-3.2977**	ug/L
ê>	Sc	45	889352	926538	19713	2.1	926538.372259		ug/L
ê	Cr	52	11493	12336	541	4.4	0.000388	**-0.0036**	ug/L
ê	Cr	53	47	54	13	24.0	0.000006	**-0.0084**	ug/L
ê	Mn	55	672	720	14	2.0	0.000022	**0.0002**	ug/L
ë	Co	59	50	45	8	17.4	-0.000008	**-0.0066**	ug/L
é	Cu	65	13	21	5	23.8	0.000009	**-0.0009**	ug/L
ê	Cu	63	35	34	5	14.7	-0.000003	**-0.0034**	ug/L
ê	Zn	66	51	70	3	4.3	0.000019	**0.0096**	ug/L
ê	Zn	68	507	573	28	4.9	0.000048	**0.0214**	ug/L
ê>	Ge	74	828838	868106	10592	1.2	868105.535644		ug/L
ë	As	75	-114	-158	11	7.3	-0.000044	**-0.0227**	ug/L
é	Se	77	89	109	6	5.2	0.000006	**0.0475**	ug/L
ê	Se	82	3	3	1	34.1	0.000000	**-0.0257**	ug/L
ê	Mo	98	9	11	3	31.8	0.000001	**-0.0030**	ug/L
ê	Ag	107	5	8	3	30.2	0.000001	**-0.0002**	ug/L
ê	Ag	109	3	6	2	27.0	0.000001	**-0.0009**	ug/L
ê	Cd	111	4	4	3	75.0	-0.000000	**-0.0009**	ug/L
ê	Cd	114	23	28	7	24.1	0.000002	**0.0012**	ug/L
ê>	In	115	1790947	1962680	15961	0.8	1962679.504216		ug/L
ê	Sn	120	169	186	11	6.0	0.000001	**-0.0126**	ug/L
ê	Sb	121	4	22	2	9.1	0.000009	**-0.0004**	ug/L
ë	Ba	138	53	85	15	17.4	0.000014	**-0.0006**	ug/L
é>	Tm	169	1556599	1680333	12843	0.8	1680332.938486		ug/L
ê	Tl	205	8	8	4	49.4	-0.000000	**-0.0008**	ug/L
ë	Pb	208	191	202	10	5.1	-0.000003	**-0.0026**	ug/L
	C	13	22146	30821	339	1.1	8674.725281		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	104.181
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	104.738
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	109.589
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	107.949
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 02:37:56
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\rinse.244
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	1	100.0	-0.000002	**-0.0123**	ug/L
ê	Mg	24	661	773	14	1.8	0.000085	**-1.0277**	ug/L
ê	Al	27	2548	3396	104	3.1	0.000777	**-0.1102**	ug/L
ê	Ca	44	5230	4899	111	2.3	-0.000628	**-3.0932**	ug/L
ê>	Sc	45	889352	932537	3073	0.3	932537.064088		ug/L
ê	Cr	52	11493	12347	145	1.2	0.000317	**-0.0082**	ug/L
ê	Cr	53	47	49	9	19.3	0.000000	**-0.0117**	ug/L
ê	Mn	55	672	748	33	4.4	0.000046	**0.0014**	ug/L
ë	Co	59	50	47	10	21.5	-0.000007	**-0.0065**	ug/L
é	Cu	65	13	21	7	31.2	0.000008	**-0.0009**	ug/L
ê	Cu	63	35	33	4	10.9	-0.000004	**-0.0036**	ug/L
ê	Zn	66	51	77	10	13.0	0.000027	**0.0137**	ug/L
ê	Zn	68	507	563	13	2.4	0.000033	**0.0096**	ug/L
ê>	Ge	74	828838	873383	8725	1.0	873382.620003		ug/L
ë	As	75	-114	-161	13	7.9	-0.000047	**-0.0240**	ug/L
é	Se	77	89	110	3	2.4	0.000006	**0.0538**	ug/L
ê	Se	82	3	19	5	24.5	0.000008	**0.0552**	ug/L
ê	Mo	98	9	15	1	9.7	0.000003	**-0.0024**	ug/L
ê	Ag	107	5	7	1	17.3	0.000000	**-0.0003**	ug/L
ê	Ag	109	3	6	2	27.0	0.000001	**-0.0009**	ug/L
ê	Cd	111	4	4	2	35.3	-0.000000	**-0.0009**	ug/L
ê	Cd	114	23	26	3	11.6	0.000000	**0.0010**	ug/L
ê>	In	115	1790947	1960426	22672	1.2	1960425.862333		ug/L
ê	Sn	120	169	180	9	4.8	-0.000002	**-0.0129**	ug/L
ê	Sb	121	4	28	7	26.1	0.000012	**0.0001**	ug/L
ë	Ba	138	53	77	3	4.0	0.000010	**-0.0008**	ug/L
é>	Tm	169	1556599	1673815	23237	1.4	1673814.928189		ug/L
ê	Tl	205	8	3	2	45.8	-0.000003	**-0.0010**	ug/L
ë	Pb	208	191	198	13	6.7	-0.000004	**-0.0026**	ug/L
	C	13	22146	30341	262	0.9	8194.364238		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	Be	9	
|	Mg	24	
|	Al	27	

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	Ca	44	
>	Sc	45	104.856
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	105.374
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	109.463
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	107.530
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 02:41:07
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\rinse.245
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	2	2	124.9	0.000008	**-0.0050**	ug/L
ê	Mg	24	661	1043	770	73.8	0.000638	**-0.9828**	ug/L
ê	Al	27	2548	111357	90602	81.4	0.120965	**6.6034**	ug/L
ê	Ca	44	5230	4288	1447	33.8	0.003475	**3.4778**	ug/L
ê>	Sc	45	889352	1119208	864998	77.3	1119207.545829		ug/L
ê	Cr	52	11493	4633	1875	40.5	-0.003757	**-0.2714**	ug/L
ê	Cr	53	47	25	8	33.3	0.000002	**-0.0106**	ug/L
ê	Mn	55	672	796	539	67.8	0.000195	**0.0088**	ug/L
ë	Co	59	50	39	11	27.9	0.000037	**-0.0040**	ug/L
é	Cu	65	13	12	7	60.8	-0.000002	**-0.0034**	ug/L
ê	Cu	63	35	25	13	51.1	-0.000009	**-0.0042**	ug/L
ê	Zn	66	51	41	20	49.3	-0.000010	**-0.0065**	ug/L
ê	Zn	68	507	502	154	30.7	0.000175	**0.1208**	ug/L
ê>	Ge	74	828838	1113274	851212	76.5	1113273.559690		ug/L
ë	As	75	-114	643	432	67.2	0.000774	**0.3685**	ug/L
é	Se	77	89	52	29	56.6	-0.000026	**-0.4496**	ug/L
ê	Se	82	3	-22	11	49.1	-0.000016	**-0.1830**	ug/L
ê	Mo	98	9	13	5	33.8	0.000001	**-0.0028**	ug/L
ê	Ag	107	5	10	5	50.0	0.000001	**-0.0002**	ug/L
ê	Ag	109	3	9	9	91.1	0.000001	**-0.0009**	ug/L
ê	Cd	111	4	5	3	52.9	-0.000001	**-0.0010**	ug/L
ê	Cd	114	23	47	37	77.7	0.000001	**0.0012**	ug/L
ê>	In	115	1790947	3157073	2168324	68.7	3157072.785935		ug/L
ê	Sn	120	169	91	41	45.4	-0.000058	**-0.0196**	ug/L
ê	Sb	121	4	17	6	35.8	0.000006	**-0.0009**	ug/L
ë	Ba	138	53	83	45	53.7	0.000004	**-0.0011**	ug/L
é>	Tm	169	1556599	2452573	1491886	60.8	2452573.100635		ug/L
ê	Tl	205	8	10	4	36.6	0.000000	**-0.0008**	ug/L
ë	Pb	208	191	228	151	66.5	-0.000036	**-0.0040**	ug/L
	C	13	22146	19607	5852	29.8	-2539.579525		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	125.845
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	134.317
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	176.280
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	157.560
	Tl	205	
	Pb	208	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 02:44:19
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400200.sam
Method File: C:\NexIONData\Method\2014\03-14\1400200-0060-icpms3-ar.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400200\rinse.246
Calibration File: C:\NexIONData\System\2014\03-14\1400200.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400200\SEQ-ICB1.010

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	3	1	1	86.6	-0.000002	**-0.0126**	ug/L
ê	Mg	24	661	803	12	1.5	0.000134	**-1.0237**	ug/L
ê	Al	27	2548	3720	241	6.5	0.001200	**-0.0866**	ug/L
ê	Ca	44	5230	4812	89	1.9	-0.000621	**-3.0820**	ug/L
ê>	Sc	45	889352	914927	9531	1.0	914927.041549		ug/L
ê	Cr	52	11493	11849	261	2.2	0.000027	**-0.0269**	ug/L
ê	Cr	53	47	51	10	18.8	0.000004	**-0.0098**	ug/L
ê	Mn	55	672	735	37	5.0	0.000048	**0.0015**	ug/L
ë	Co	59	50	65	3	4.7	0.000015	**-0.0052**	ug/L
é	Cu	65	13	18	5	29.4	0.000005	**-0.0017**	ug/L
ê	Cu	63	35	40	2	5.2	0.000004	**-0.0027**	ug/L
ê	Zn	66	51	74	14	18.8	0.000023	**0.0115**	ug/L
ê	Zn	68	507	579	7	1.1	0.000052	**0.0246**	ug/L
ê>	Ge	74	828838	872265	2226	0.3	872264.814440		ug/L
ë	As	75	-114	-163	61	37.5	-0.000049	**-0.0252**	ug/L
é	Se	77	89	108	17	15.4	0.000006	**0.0473**	ug/L
ê	Se	82	3	13	5	35.6	0.000005	**0.0262**	ug/L
ê	Mo	98	9	12	3	28.3	0.000001	**-0.0028**	ug/L
ê	Ag	107	5	8	3	41.9	0.000001	**-0.0002**	ug/L
ê	Ag	109	3	4	2	43.3	0.000000	**-0.0010**	ug/L
ê	Cd	111	4	3	2	57.3	-0.000001	**-0.0013**	ug/L
ê	Cd	114	23	23	6	26.1	-0.000001	**0.0006**	ug/L
ê>	In	115	1790947	1935815	31432	1.6	1935815.399234		ug/L
ê	Sn	120	169	182	10	5.3	-0.000000	**-0.0127**	ug/L
ê	Sb	121	4	27	10	36.4	0.000011	**0.0000**	ug/L
ë	Ba	138	53	69	9	13.4	0.000006	**-0.0010**	ug/L
é>	Tm	169	1556599	1676679	19605	1.2	1676679.376267		ug/L
ê	Tl	205	8	5	1	20.0	-0.000002	**-0.0009**	ug/L
ë	Pb	208	191	219	11	4.9	0.000008	**-0.0021**	ug/L
	C	13	22146	31333	375	1.2	9186.838099		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⎡	Be	9	
⎢	Mg	24	
⎢	Al	27	

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	Ca	44	
>	Sc	45	102.876
	Cr	52	
	Cr	53	
	Mn	55	
	Co	59	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	105.240
	As	75	
	Se	77	
	Se	82	
	Mo	98	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	108.089
	Sn	120	
	Sb	121	
	Ba	138	
>	Tm	169	107.714
	Tl	205	
	Pb	208	
	C	13	

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ANALYSIS SEQUENCE

1400204

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400204-ICB1	1400204	QC	1		-			
1400204-CAL1	1400204	QC	2	1411046	-			
1400204-CAL2	1400204	QC	3	1411047	-			
1400204-CAL3	1400204	QC	4	1411048	-			
1400204-CAL4	1400204	QC	5	1411049	-			
1400204-CAL5	1400204	QC	6	1411031	-			
1400204-CAL6	1400204	QC	7	1411032	-			
1400204-CAL7	1400204	QC	8	1411033	-			
1400204-CAL8	1400204	QC	9	1411034	-			
1400204-CAL9	1400204	QC	10	1411035	-			
1400204-ICB2	1400204	QC	11		-			
1400204-ICV1	1400204	QC	12	1341021	-			
1400204-ICB3	1400204	QC	13		-			
1400204-IBL1	1400204	QC	14		-			
1400204-IBL2	1400204	QC	15		-			
1400204-IBL3	1400204	QC	16		-			
1400204-IBL4	1400204	QC	17		-			
1400204-SCV1	1400204	QC	18	1346032	-			
1400204-SCV2	1400204	QC	19	1352078	-			
1400204-CCV1	1400204	QC	20	1411049	-			
1400204-CCB1	1400204	QC	21		-			
1407010-21RE1	B140240	Fe-FW-Oven-DRC-TR	22			CHM-NV1301	3/5/2014	Added 3/10/2014 by FKM
1407010-22RE1	B140240	Fe-FW-Oven-DRC-Diss	23			CHM-NV1301	3/5/2014	Added 3/10/2014 by FKM
1407010-19RE1	B140240	Cr-FW-Oven-DRC-TR	24			CHM-NV1301	1/1/1980	BatchQC
1407010-19RE1	B140240	Ni-FW-Oven-DRC-TR	25			CHM-NV1301	1/1/1980	BatchQC
1407010-19RE1	B140240	Fe-FW-Oven-DRC-TR	26			CHM-NV1301	3/5/2014	Added 3/7/2014 by CCE

ANALYSIS SEQUENCE

1400204

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1407010-19RE1	B140240	Fe-FW-Oven-DRC-Diss	27			CHM-NV1301	1/1/1980	BatchQC
1407010-19RE1	B140240	Cu-FW-Oven-DRC-Diss	28			CHM-NV1301	1/1/1980	BatchQC
B140240-DUP5	B140240	QC	29		1407010-19RE1			
B140240-MS5	B140240	QC	30		1407010-19RE1			
B140240-MSD5	B140240	QC	31		1407010-19RE1			
1407010-20RE1	B140240	Fe-FW-Oven-DRC-Diss	32			CHM-NV1301	3/5/2014	Added 3/7/2014 by CCE
1400204-CCV2	1400204	QC	33	1411049	-			
1400204-CCB2	1400204	QC	34		-			
B140373-BLK1	B140373	QC	35		-			
B140373-BLK2	B140373	QC	36		-			
B140373-BLK3	B140373	QC	37		-			
B140373-BLK4	B140373	QC	38		-			
B140373-BS1	B140373	QC	39		-			
B140373-SRM1	B140373	QC	40		-			
B140373-SRM2	B140373	QC	41		-			
1400204-CCV3	1400204	QC	42	1411049	-			
1400204-CCB3	1400204	QC	43		-			
1336035-47RE1	B140373	Fe-B-HNO3-DRC	44			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336035-47RE1	B140373	Cr-B-HNO3-DRC	45			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-03RE1	B140373	Fe-B-HNO3-DRC	46			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-03RE1	B140373	Cr-B-HNO3-DRC	47			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-06RE1	B140373	Fe-B-HNO3-DRC	48			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-06RE1	B140373	Cr-B-HNO3-DRC	49			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-08RE1	B140373	Fe-B-HNO3-DRC	50			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-08RE1	B140373	Cr-B-HNO3-DRC	51			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-09RE1	B140373	Fe-B-HNO3-DRC	52			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14

ANALYSIS SEQUENCE

1400204

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1336037-09RE1	B140373	Cr-B-HNO3-DRC	53			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-10RE1	B140373	Fe-B-HNO3-DRC	54			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-10RE1	B140373	Cr-B-HNO3-DRC	55			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-11RE1	B140373	Fe-B-HNO3-DRC	56			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-11RE1	B140373	Cr-B-HNO3-DRC	57			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-12RE1	B140373	Fe-B-HNO3-DRC	58			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-12RE1	B140373	Cr-B-HNO3-DRC	59			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1400204-CCV4	1400204	QC	60	1411049	-			
1400204-CCB4	1400204	QC	61		-			
1336037-14RE1	B140373	Fe-B-HNO3-DRC	62			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-14RE1	B140373	Cr-B-HNO3-DRC	63			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-15RE1	B140373	Fe-B-HNO3-DRC	64			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-15RE1	B140373	Cr-B-HNO3-DRC	65			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
B140373-DUP4	B140373	QC	66		1336037-15			
B140373-MS4	B140373	QC	67		1336037-15			
B140373-MSD4	B140373	QC	68		1336037-15			
1336037-16RE1	B140373	Fe-B-HNO3-DRC	69			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-16RE1	B140373	Cr-B-HNO3-DRC	70			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-21RE1	B140373	Fe-B-HNO3-DRC	71			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-21RE1	B140373	Cr-B-HNO3-DRC	72			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-22RE1	B140373	Fe-B-HNO3-DRC	73			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-22RE1	B140373	Cr-B-HNO3-DRC	74			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1400204-CCV5	1400204	QC	75	1411049	-			
1400204-CCB5	1400204	QC	76		-			
1336037-23RE1	B140373	Fe-B-HNO3-DRC	77			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-23RE1	B140373	Cr-B-HNO3-DRC	78			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14

ANALYSIS SEQUENCE

1400204

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1336037-24RE1	B140373	Fe-B-HNO3-DRC	79			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-24RE1	B140373	Cr-B-HNO3-DRC	80			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-25RE1	B140373	Fe-B-HNO3-DRC	81			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-25RE1	B140373	Cr-B-HNO3-DRC	82			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-26RE1	B140373	Fe-B-HNO3-DRC	83			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-26RE1	B140373	Cr-B-HNO3-DRC	84			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-27RE1	B140373	Fe-B-HNO3-DRC	85			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-27RE1	B140373	Cr-B-HNO3-DRC	86			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-28RE1	B140373	Fe-B-HNO3-DRC	87			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
1336037-28RE1	B140373	Cr-B-HNO3-DRC	88			HCI-SE1302	3/3/2014	From B140224 by CCE on 03/07/14
B140373-DUP5	B140373	QC	89		1336037-28			
B140373-MS5	B140373	QC	90		1336037-28			
B140373-MSD5	B140373	QC	91		1336037-28			
1400204-CCV6	1400204	QC	92	1411049	-			
1400204-CCB6	1400204	QC	93		-			
B140360-BLK1	B140360	QC	94		-			
B140360-BLK2	B140360	QC	95		-			
B140360-BLK3	B140360	QC	96		-			
B140360-BLK4	B140360	QC	97		-			
B140360-BS1	B140360	QC	98		-			
B140360-SRM1	B140360	QC	99		-			
B140360-SRM2	B140360	QC	100		-			
1410012-02	B140360	Cr-FW-Oven-DRC-TR	101			AAL-DB1301	3/27/2014	
1410012-02	B140360	Ni-FW-Oven-DRC-TR	102			AAL-DB1301	3/27/2014	
1410027-07	B140360	Zn-FW-Oven-DRC-Diss	103			EPR-PA1401	3/18/2014	
1410027-07	B140360	Ni-FW-Oven-DRC-Diss	104			EPR-PA1401	3/18/2014	

ANALYSIS SEQUENCE

1400204

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1410027-07	B140360	Fe-FW-Oven-DRC-Diss	105			EPR-PA1401	3/18/2014	
1410027-07	B140360	Cu-FW-Oven-DRC-Diss	106			EPR-PA1401	3/18/2014	
1410027-07	B140360	Cr-FW-Oven-DRC-Diss	107			EPR-PA1401	3/18/2014	
1409002-01	B140360	Cr-FW-Oven-DRC-TR	108			CIE-AK1302	3/18/2014	
1409027-01	B140360	Cr-FW-Oven-DRC-TR	109			CIE-AK1302	3/21/2014	
1400204-CCV7	1400204	QC	110	1411049	-			
1400204-CCB7	1400204	QC	111		-			
1410011-01	B140360	Cr-FW-Oven-DRC-TR	112			AAL-DB1301	3/27/2014	
1410011-01	B140360	Ni-FW-Oven-DRC-TR	113			AAL-DB1301	3/27/2014	
1410011-02	B140360	Ni-FW-Oven-DRC-TR	114			AAL-DB1301	3/27/2014	
1410011-02	B140360	Cr-FW-Oven-DRC-TR	115			AAL-DB1301	3/27/2014	
1410012-01	B140360	Ni-FW-Oven-DRC-TR	116			AAL-DB1301	3/27/2014	
1410012-01	B140360	Cr-FW-Oven-DRC-TR	117			AAL-DB1301	3/27/2014	
1410027-01	B140360	Zn-FW-Oven-DRC-Diss	118			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140360	Ni-FW-Oven-DRC-TR	119			EPR-PA1401	3/18/2014	
1410027-01	B140360	Ni-FW-Oven-DRC-Diss	120			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140360	Fe-FW-Oven-DRC-Diss	121			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140360	Cu-FW-Oven-DRC-TR	122			EPR-PA1401	3/18/2014	
1410027-01	B140360	Cu-FW-Oven-DRC-Diss	123			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140360	Cr-FW-Oven-DRC-TR	124			EPR-PA1401	3/18/2014	
1410027-01	B140360	Cr-FW-Oven-DRC-Diss	125			EPR-PA1401	1/1/1980	BatchQC
B140360-DUP1	B140360	QC	126		1410027-01			
B140360-MS1	B140360	QC	127		1410027-01			
B140360-MSD1	B140360	QC	128		1410027-01			
1410027-06	B140360	Zn-FW-Oven-DRC-Diss	129			EPR-PA1401	3/18/2014	
1410027-06	B140360	Ni-FW-Oven-DRC-Diss	130			EPR-PA1401	3/18/2014	

ANALYSIS SEQUENCE

1400204

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1410027-06	B140360	Fe-FW-Oven-DRC-Diss	131			EPR-PA1401	3/18/2014	
1410027-06	B140360	Cu-FW-Oven-DRC-Diss	132			EPR-PA1401	3/18/2014	
1410027-06	B140360	Cr-FW-Oven-DRC-Diss	133			EPR-PA1401	3/18/2014	
1410027-14	B140360	Zn-FW-Oven-DRC-Diss	134			EPR-PA1401	3/18/2014	
1410027-14	B140360	Ni-FW-Oven-DRC-Diss	135			EPR-PA1401	3/18/2014	
1410027-14	B140360	Fe-FW-Oven-DRC-Diss	136			EPR-PA1401	3/18/2014	
1410027-14	B140360	Cu-FW-Oven-DRC-Diss	137			EPR-PA1401	3/18/2014	
1410027-14	B140360	Cr-FW-Oven-DRC-Diss	138			EPR-PA1401	3/18/2014	
1400204-CCV8	1400204	QC	139	1411031	-			
1400204-CCB8	1400204	QC	140		-			
B140374-BLK1	B140374	QC	141		-			
B140374-BLK2	B140374	QC	142		-			
B140374-BLK3	B140374	QC	143		-			
B140374-BLK4	B140374	QC	144		-			
B140374-BS1	B140374	QC	145		-			
B140374-SRM1	B140374	QC	146		-			
1409008-01	B140374	Cr-FW-Oven-DRC-TR	147			CIE-AK1302	3/19/2014	
B140374-DUP1	B140374	QC	148		1409008-01			
B140374-MS1	B140374	QC	149		1409008-01			
B140374-MSD1	B140374	QC	150		1409008-01			
1400204-CCV9	1400204	QC	151	1411031	-			
1400204-CCB9	1400204	QC	152		-			
B140357-BLK1	B140357	QC	153		-			
B140357-BLK2	B140357	QC	154		-			
B140357-BLK3	B140357	QC	155		-			
B140357-BLK4	B140357	QC	156		-			

ANALYSIS SEQUENCE

1400204

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140357-BS1	B140357	QC	157		-			
B140357-SRM1	B140357	QC	158		-			
B140357-SRM2	B140357	QC	159		-			
1400204-CCVA	1400204	QC	160	1411031	-			
1400204-CCBA	1400204	QC	161		-			
1408020-01	B140357	200.8-V-B-HNO3-DRC	162			ARD-MV1302	3/14/2014	
1408020-01	B140357	200.8-Fe-B-HNO3-DRC	163			ARD-MV1302	3/14/2014	
1408020-01	B140357	200.8-Cr-B-HNO3-DRC	164			ARD-MV1302	3/14/2014	
B140357-DUP1	B140357	QC	165		1408020-01			
B140357-MS1	B140357	QC	166		1408020-01			
B140357-MSD1	B140357	QC	167		1408020-01			
1408020-02	B140357	200.8-V-B-HNO3-DRC	168			ARD-MV1302	3/14/2014	
1408020-02	B140357	200.8-Fe-B-HNO3-DRC	169			ARD-MV1302	3/14/2014	
1408020-02	B140357	200.8-Cr-B-HNO3-DRC	170			ARD-MV1302	3/14/2014	
1408020-03	B140357	200.8-V-B-HNO3-DRC	171			ARD-MV1302	3/14/2014	
1408020-03	B140357	200.8-Fe-B-HNO3-DRC	172			ARD-MV1302	3/14/2014	
1408020-03	B140357	200.8-Cr-B-HNO3-DRC	173			ARD-MV1302	3/14/2014	
1408020-04	B140357	200.8-V-B-HNO3-DRC	174			ARD-MV1302	3/14/2014	
1408020-04	B140357	200.8-Fe-B-HNO3-DRC	175			ARD-MV1302	3/14/2014	
1408020-04	B140357	200.8-Cr-B-HNO3-DRC	176			ARD-MV1302	3/14/2014	
1408020-05	B140357	200.8-V-B-HNO3-DRC	177			ARD-MV1302	3/14/2014	
1408020-05	B140357	200.8-Fe-B-HNO3-DRC	178			ARD-MV1302	3/14/2014	
1408020-05	B140357	200.8-Cr-B-HNO3-DRC	179			ARD-MV1302	3/14/2014	
1408020-06	B140357	200.8-V-B-HNO3-DRC	180			ARD-MV1302	3/14/2014	
1408020-06	B140357	200.8-Fe-B-HNO3-DRC	181			ARD-MV1302	3/14/2014	
1408020-06	B140357	200.8-Cr-B-HNO3-DRC	182			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400204

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-07	B140357	200.8-V-B-HNO3-DRC	183			ARD-MV1302	3/14/2014	
1408020-07	B140357	200.8-Fe-B-HNO3-DRC	184			ARD-MV1302	3/14/2014	
1408020-07	B140357	200.8-Cr-B-HNO3-DRC	185			ARD-MV1302	3/14/2014	
1400204-CCVB	1400204	QC	186	1411031	-			
1400204-CCBB	1400204	QC	187		-			
1408020-08	B140357	200.8-V-B-HNO3-DRC	188			ARD-MV1302	3/14/2014	
1408020-08	B140357	200.8-Fe-B-HNO3-DRC	189			ARD-MV1302	3/14/2014	
1408020-08	B140357	200.8-Cr-B-HNO3-DRC	190			ARD-MV1302	3/14/2014	
1408020-09	B140357	200.8-V-B-HNO3-DRC	191			ARD-MV1302	3/14/2014	
1408020-09	B140357	200.8-Fe-B-HNO3-DRC	192			ARD-MV1302	3/14/2014	
1408020-09	B140357	200.8-Cr-B-HNO3-DRC	193			ARD-MV1302	3/14/2014	
B140357-DUP2	B140357	QC	194		1408020-09			
B140357-MS2	B140357	QC	195		1408020-09			
B140357-MSD2	B140357	QC	196		1408020-09			
1408020-10	B140357	200.8-V-B-HNO3-DRC	197			ARD-MV1302	3/14/2014	
1408020-10	B140357	200.8-Fe-B-HNO3-DRC	198			ARD-MV1302	3/14/2014	
1408020-10	B140357	200.8-Cr-B-HNO3-DRC	199			ARD-MV1302	3/14/2014	
1408020-11	B140357	200.8-V-B-HNO3-DRC	200			ARD-MV1302	3/14/2014	
1408020-11	B140357	200.8-Fe-B-HNO3-DRC	201			ARD-MV1302	3/14/2014	
1408020-11	B140357	200.8-Cr-B-HNO3-DRC	202			ARD-MV1302	3/14/2014	
1400204-CCVC	1400204	QC	203	1411031	-			
1400204-CCBC	1400204	QC	204		-			
1408020-12	B140357	200.8-V-B-HNO3-DRC	205			ARD-MV1302	3/14/2014	
1408020-12	B140357	200.8-Fe-B-HNO3-DRC	206			ARD-MV1302	3/14/2014	
1408020-12	B140357	200.8-Cr-B-HNO3-DRC	207			ARD-MV1302	3/14/2014	
B140357-DUP3	B140357	QC	208		1408020-12			

ANALYSIS SEQUENCE

1400204

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140357-MS3	B140357	QC	209		1408020-12			
B140357-MSD3	B140357	QC	210		1408020-12			
1408020-13	B140357	200.8-V-B-HNO3-DRC	211			ARD-MV1302	3/14/2014	
1408020-13	B140357	200.8-Fe-B-HNO3-DRC	212			ARD-MV1302	3/14/2014	
1408020-13	B140357	200.8-Cr-B-HNO3-DRC	213			ARD-MV1302	3/14/2014	
1408020-14	B140357	200.8-V-B-HNO3-DRC	214			ARD-MV1302	3/14/2014	
1408020-14	B140357	200.8-Fe-B-HNO3-DRC	215			ARD-MV1302	3/14/2014	
1408020-14	B140357	200.8-Cr-B-HNO3-DRC	216			ARD-MV1302	3/14/2014	
1408020-15	B140357	200.8-V-B-HNO3-DRC	217			ARD-MV1302	3/14/2014	
1408020-15	B140357	200.8-Fe-B-HNO3-DRC	218			ARD-MV1302	3/14/2014	
1408020-15	B140357	200.8-Cr-B-HNO3-DRC	219			ARD-MV1302	3/14/2014	
1408020-16	B140357	200.8-V-B-HNO3-DRC	220			ARD-MV1302	3/14/2014	
1408020-16	B140357	200.8-Fe-B-HNO3-DRC	221			ARD-MV1302	3/14/2014	
1408020-16	B140357	200.8-Cr-B-HNO3-DRC	222			ARD-MV1302	3/14/2014	
1408020-17	B140357	200.8-V-B-HNO3-DRC	223			ARD-MV1302	3/14/2014	
1408020-17	B140357	200.8-Fe-B-HNO3-DRC	224			ARD-MV1302	3/14/2014	
1408020-17	B140357	200.8-Cr-B-HNO3-DRC	225			ARD-MV1302	3/14/2014	
1400204-CCVD	1400204	QC	226	1411031	-			
1400204-CCBD	1400204	QC	227		-			
1408020-18	B140357	200.8-V-B-HNO3-DRC	228			ARD-MV1302	3/14/2014	
1408020-18	B140357	200.8-Fe-B-HNO3-DRC	229			ARD-MV1302	3/14/2014	
1408020-18	B140357	200.8-Cr-B-HNO3-DRC	230			ARD-MV1302	3/14/2014	
1408020-19	B140357	200.8-V-B-HNO3-DRC	231			ARD-MV1302	3/14/2014	
1408020-19	B140357	200.8-Fe-B-HNO3-DRC	232			ARD-MV1302	3/14/2014	
1408020-19	B140357	200.8-Cr-B-HNO3-DRC	233			ARD-MV1302	3/14/2014	
1408020-20	B140357	200.8-V-B-HNO3-DRC	234			ARD-MV1302	3/14/2014	

ANALYSIS SEQUENCE

1400204

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-20	B140357	200.8-Fe-B-HNO3-DRC	235			ARD-MV1302	3/14/2014	
1408020-20	B140357	200.8-Cr-B-HNO3-DRC	236			ARD-MV1302	3/14/2014	
1408020-21	B140357	200.8-V-B-HNO3-DRC	237			ARD-MV1302	3/14/2014	
1408020-21	B140357	200.8-Fe-B-HNO3-DRC	238			ARD-MV1302	3/14/2014	
1408020-21	B140357	200.8-Cr-B-HNO3-DRC	239			ARD-MV1302	3/14/2014	
1408020-22	B140357	200.8-V-B-HNO3-DRC	240			ARD-MV1302	3/14/2014	
1408020-22	B140357	200.8-Fe-B-HNO3-DRC	241			ARD-MV1302	3/14/2014	
1408020-22	B140357	200.8-Cr-B-HNO3-DRC	242			ARD-MV1302	3/14/2014	
1408020-23	B140357	200.8-V-B-HNO3-DRC	243			ARD-MV1302	3/14/2014	
1408020-23	B140357	200.8-Fe-B-HNO3-DRC	244			ARD-MV1302	3/14/2014	
1408020-23	B140357	200.8-Cr-B-HNO3-DRC	245			ARD-MV1302	3/14/2014	
1408020-24	B140357	200.8-V-B-HNO3-DRC	246			ARD-MV1302	3/14/2014	
1408020-24	B140357	200.8-Fe-B-HNO3-DRC	247			ARD-MV1302	3/14/2014	
1408020-24	B140357	200.8-Cr-B-HNO3-DRC	248			ARD-MV1302	3/14/2014	
B140357-DUP4	B140357	QC	249		1408020-24			
B140357-MS4	B140357	QC	250		1408020-24			
B140357-MSD4	B140357	QC	251		1408020-24			
1400204-CCVE	1400204	QC	252	1411031	-			
1400204-CCBE	1400204	QC	253		-			

ICP-MS Analysis Benchsheet Batch No: B140240, 0373, 0360, 0374, 0357

BR-0060 standard / DRC mode (circle one)

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

Analyst: CCE Date: 3/12/2014

Instrument ID: ICPMS2 cHNO3 ID: 1406034 cHCl ID: NA

Calibration recorded in LIMS Int Std: 1338085 SEQ: 1400204

A/S #	Batch	Sample ID	Dilution	Comments
1		warm up		
1		warm up		
1		warm up		
1		SEQ-ICB1		
2		SEQ-CAL1		1411046
3		SEQ-CAL2		1411047
4		SEQ-CAL3		1411048
5		SEQ-CAL4		1411049
6		SEQ-CAL5		1411031
7		SEQ-CAL6		1411032
8		SEQ-CAL7		1411033
9		SEQ-CAL8		1411034
10		SEQ-CAL9		1411035
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
401	B140360	1410027-01test	5x	
402	B140374	1409008-01test	5x	
5		SEQ-CCV1		1411049
1		SEQ-CCB1		
108	B140240	1407010-21RE1	10x	
109	B140240	1407010-22RE1	10x	
110	B140240	1407010-19RE1	1000x	Serial dln: 100x->10x
111	B140240	B140240-DUP5	1000x	1407010-19RE1
112	B140240	B140240-MS5	1000x	25µL of 1411051 to 5mL
113	B140240	B140240-MSD5	1000x	25µL of 1411051 to 5mL
114	B140240	1407010-20RE1	1000x	
5		SEQ-CCV2		1411049
1		SEQ-CCB2		
115	B140373	B140373-BLK1	10x	
116	B140373	B140373-BLK2	10x	
117	B140373	B140373-BLK3	10x	
118	B140373	B140373-BLK4	10x	
119	B140373	B140373-BS1	10x	

120	B140373	B140373-SRM1	10x	
121	B140373	B140373-SRM2	10x	
5		SEQ-CCV3		1411049
1		SEQ-CCB3		
122	B140373	1336035-47RE1	10x	
123	B140373	1336037-03RE1	10x	
124	B140373	1336037-06RE1	10x	
125	B140373	1336037-08RE1	10x	
126	B140373	1336037-09RE1	10x	
127	B140373	1336037-10RE1	10x	
128	B140373	1336037-11RE1	10x	
129	B140373	1336037-12RE1	10x	
5		SEQ-CCV4		1411049
1		SEQ-CCB4		
130	B140373	1336037-14RE1	10x	
131	B140373	1336037-15RE1	10x	
132	B140373	B140373-DUP4	10x	
133	B140373	B140373-MS4	10x	
134	B140373	B140373-MSD4	10x	
135	B140373	1336037-16RE1	10x	
136	B140373	1336037-21RE1	10x	
137	B140373	1336037-22RE1	10x	
5		SEQ-CCV5		1411049
1		SEQ-CCB5		
138	B140373	1336037-23RE1	10x	
139	B140373	1336037-24RE1	10x	
140	B140373	1336037-25RE1	10x	
141	B140373	1336037-26RE1	10x	
142	B140373	1336037-27RE1	10x	
143	B140373	1336037-28RE1	10x	
144	B140373	B140373-DUP5	10x	
145	B140373	B140373-MS5	10x	
146	B140373	B140373-MSD5	10x	
5		SEQ-CCV6		1411049
1		SEQ-CCB6		
147	B140360	B140360-BLK1		
148	B140360	B140360-BLK2		
149	B140360	B140360-BLK3		
150	B140360	B140360-BLK4		
151	B140360	B140360-BS1		
152	B140360	1410012-02		
153	B140360	1410027-07		
154	B140360	1409002-01	5x	
155	B140360	1409027-01	5x	
5		SEQ-CCV7		1411049
1		SEQ-CCB7		
156	B140360	1410011-01		
157	B140360	1410011-02		
158	B140360	1410012-01		
159	B140360	1410027-01	10x	
160	B140360	B140360-DUP1	10x	1410027-01
301	B140360	B140360-MS1	10x	100µL of 1411052 to 5mL

302	B140360	B140360-MSD1	10x	100µL of 1411052 to 5mL
303	B140360	1410027-06	10x	
304	B140360	1410027-14	10x	
401	B140360	spike mix test	50x	
6		SEQ-CCV8		1411031
1		SEQ-CCB8		
305	B140374	B140374-BLK1		
306	B140374	B140374-BLK2		
307	B140374	B140374-BLK3		
308	B140374	B140374-BLK4		
309	B140374	B140374-BS1		
310	B140374	1409008-01	5x	
311	B140374	B140374-DUP1	5x	1409008-01
312	B140374	B140374-MS1	5x	50µL of 1352019 to 5mL
313	B140374	B140374-MSD1	5x	50µL of 1352019 to 5mL
6		SEQ-CCV9		1411031
1		SEQ-CCB9		
314	B140357	B140357-BLK1	10x	
315	B140357	B140357-BLK2	10x	
316	B140357	B140357-BLK3	10x	
317	B140357	B140357-BLK4	10x	
318	B140357	B140357-BS1	10x	
319	B140357	B140357-SRM1	10x	
320	B140357	B140357-SRM2	10x	
6		SEQ-CCVA		1411031
1		SEQ-CCBA		
321	B140357	1408020-01	10x	
322	B140357	B140357-DUP1	10x	
323	B140357	B140357-MS1	10x	
324	B140357	B140357-MSD1	10x	
325	B140357	1408020-02	10x	
326	B140357	1408020-03	10x	
327	B140357	1408020-04	10x	
328	B140357	1408020-05	10x	
329	B140357	1408020-06	10x	
330	B140357	1408020-07	10x	
6		SEQ-CCVB		1411031
1		SEQ-CCBB		
331	B140357	1408020-08	10x	
332	B140357	1408020-09	10x	
333	B140357	B140357-DUP2	10x	
334	B140357	B140357-MS2	10x	
335	B140357	B140357-MSD2	10x	
336	B140357	1408020-10	10x	
337	B140357	1408020-11	10x	
6		SEQ-CCVC		1411031
1		SEQ-CCBC		
338	B140357	1408020-12	10x	
339	B140357	B140357-DUP3	10x	
340	B140357	B140357-MS3	10x	
341	B140357	B140357-MSD3	10x	
342	B140357	1408020-13	10x	

343	B140357	1408020-14	10x	
344	B140357	1408020-15	10x	
345	B140357	1408020-16	10x	
346	B140357	1408020-17	10x	
6		SEQ-CCVD		1411031
1		SEQ-CCBD		
347	B140357	1408020-18	10x	
348	B140357	1408020-19	10x	
349	B140357	1408020-20	10x	
350	B140357	1408020-21	10x	
351	B140357	1408020-22	10x	
352	B140357	1408020-23	10x	
353	B140357	1408020-24	10x	
354	B140357	B140357-DUP4	10x	
355	B140357	B140357-MS4	10x	
356	B140357	B140357-MSD4	10x	
6		SEQ-CCVE		1411031
1		SEQ-CCBE		
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 #: B140292, 295, 357, 397 Prepared By: NM Preparation Date and Time*: 3-8-14 11:20

Matrix: Biota Balance ID: BL-03 Date and Time of Finished Preparation: 3-10-14 10:11

* Time is when the first reagents are added.

Sample ID	Sample Mass (g)	Notes
BLK1	---	
BLK2	---	
BLK3	---	
BLK4	---	
BS1	---	
~~BS2~~ 3-7-14 NM		
SRM1	0.247	
SRM2	0.251	
1408020-01	0.519	
B140292-DUP1	0.518	1408020-01
-MS1	0.500	
-MSD1	0.514	
1408020-02	0.506	
-03	0.524	
-04	0.528	
-05	0.512	
-06	0.520	
-07	0.525	
-08	0.511	
-09	0.501	
B140292 ~~B140292~~ 3-7-14 NM DUP2	0.506	1408020-09
B140292-MS2	0.501	
-MSD2	0.524	
1408020-10	0.520	

Sample ID	Sample Mass (g)	Notes
1408020-11	0.509	
-12	0.497	
B140292-DUP3	0.492	1408020-12
-MS3	0.493	
-MSD3	0.521	
1408020-13	0.521	
-14	0.496	
-15	0.525	
~~B140292-DUP4~~	~~0.504~~	~~1408020-15~~
~~-MS4~~	~~0.511~~	3-7-14
~~-MSD4~~	~~0.509~~	NM
1408020-16	0.497	
-17	0.534	
-18	0.495	
-19	0.509	
-20	0.535	
-21	0.499	
-22	0.491	
-23	0.497	
-24	0.517	
B140292-DUP4	0.524	1408020-24
-MS4	0.508	
-MSD4	0.502	
1408011-01	0.507	Sample exhausted

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
SEE	ATTACHED			N/A
	CLC 3/11/14			digested/spiked on Sat. no one else was in the lab 3-10-14 NM

Reagents Added (ID/Amount Added)
0.1mL H2O2 1350057
10mL HNO3 1406040

Environ. Express tube lot #: 1308077

Final Dilution Volume 40 mL

Comments:

Target Hotblock Temperature = 100 °C
HotBlock Temperature*, Time On / Time Off, Date
100°C 102°C 11:40 3-8-14
15:10 3-8-14

Therm. ID: TH-05 TH-01 Hotblock ID: HB-02 HB-01

* Both measured and corrected temperatures must be recorded.

SRM-Matrix-LIMS ID #
SRM 1/3: DORM-4 1329003
SRM 2/4: TORT-3 1327017

Trace Metals Method BR-0070 Rev 0036 (ICP-MS)

Biota Preparation by HotBlock Digestion

Digestion by: HNO_3 / H_2O_2

Batch #: B140292
B140295
B140357
B140397 IDOC

Sample ID	Sample Mass (g)	Notes
1408011-02	0.510	
-03	0.558	sample exhausted
-04	0.491	
B140292-DUP5	0.484	Hg Only
1408011-05	0.540	Sample exhausted
-06	0.301	
-07	0.536	
-08	0.531	Sample exhausted
B140292-MS5	0.537	Hg Only
-MSD5	0.558	
1402033-04RE2	0.496	
MDL-1		
-2		
-3		
-4		
-5		
-6		
-7		
-8		
LOQ-1		
-2		
-3		
-4		
LOD-1		
-2		
-3		
SRM-3	0.256	DORM-4
SRM-4	0.258	TORT-3

Sample ID	Sample Mass (g)	Notes

B140292, 0295 , 0357
biotas

Samples spiked: BS1 MS/D1-4

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
Al	8.000	40.000	0.4000	1000	1410046
As DRC	0.400	2.000	0.2000	**100**	1347037
Ba	1.600	8.000	0.8000	**100**	1338018
Be	0.900	4.500	0.4500	**100**	1338020
Cd	0.200	1.000	0.1000	**100**	1338023
Co	1.600	8.000	0.8000	**100**	1351036
Cr DRC	1.500	7.500	0.7500	**100**	1351038
Cu	1.600	8.000	0.8000	**100**	1351040
Fe DRC	50.000	250.000	0.2500	**10000**	1345003
Mn	0.400	2.000	0.2000	**100**	1351046
Mo	0.300	1.500	0.1500	**100**	1351048
Pb	0.400	2.000	0.2000	**100**	1351050
Se DRC	1.500	7.500	0.7500	**100**	1338030
Tl	0.080	0.400	0.4000	**10**	1410013
V DRC	1.800	9.000	0.9000	**100**	1338035
Zn	10.000	50.000	0.5000	1000	1351031

Spike mix ID: 1411016

3.0.14 mL Add ~~2.35mL~~ 2% HNO3 2.1 mL 2% HNO3

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

Fake spike ID: 1411017

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

Hg spike: 0.100 mL of 1350014 (1000 ng/mL THg)
BS2, MS/MSD5

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\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-ICB1.031
Tuning File: C:\Elandata\Tuning\Default.tun
Optimization File: C:\Elandata\Optimize\Default.dac
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-ICB1.031
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Calibration Type: External Calibration

Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
V	51	Weighted Linear	0.001	0.000	0.995868	0.030000
Cr	52	Weighted Linear	0.006	0.000	0.999720	0.030000
Cr	53	Weighted Linear	0.001	0.000	0.998160	0.030000
Fe	54	Weighted Linear	0.000	0.000	0.999675	1.000000
Fe	56	Weighted Linear	0.010	-0.000	0.999462	1.000000
Ni	60	Weighted Linear	0.002	0.000	0.999819	0.040000
Ni	62	Weighted Linear	0.000	0.000	0.999748	0.040000
Cu	63	Weighted Linear	0.004	0.000	0.998886	0.040000
Cu	65	Weighted Linear	0.002	0.000	0.998951	0.040000
Zn	66	Weighted Linear	0.001	0.000	0.999076	0.040000
Zn	68	Weighted Linear	0.001	0.000	0.998701	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: Wednesday, March 12, 2014 13:17:22
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-ICB1.031
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51		9	3	35.3			ug/L
	Cr	52		67	17	25.9			ug/L
	Cr	53		9	4	44.6			ug/L
	Fe	54		147	8	5.7			ug/L
	Fe	56		2842	83	2.9			ug/L
	Ni	60		58	9	16.2			ug/L
	Ni	62		9	4	43.7			ug/L
	Cu	63		169	3	1.5			ug/L
	Cu	65		69	6	7.9			ug/L
	Zn	66		347	8	2.2			ug/L
	Zn	68		239	13	5.5			ug/L
>	Rh	103		2245467	3896	0.2			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: Wednesday, March 12, 2014 13:18:38
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CAL1.032
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	112	1	0.9	0.000047	**0.0307**	ug/L
	Cr	52	67	463	24	5.1	0.000179	**0.0299**	ug/L
	Cr	53	9	56	5	9.0	0.000021	**0.0294**	ug/L
	Fe	54	147	1292	18	1.4	0.000516	**1.0068**	ug/L
	Fe	56	2842	24125	191	0.8	0.009594	**1.0136**	ug/L
	Ni	60	58	220	7	3.0	0.000073	**0.0400**	ug/L
	Ni	62	9	39	8	21.5	0.000014	**0.0399**	ug/L
	Cu	63	169	593	23	3.8	0.000192	**0.0399**	ug/L
	Cu	65	69	279	13	4.7	0.000095	**0.0398**	ug/L
	Zn	66	347	470	27	5.7	0.000057	**0.0395**	ug/L
	Zn	68	239	339	10	3.0	0.000046	**0.0397**	ug/L
>	Rh	103	2245467	2221432	13883	0.6	2221432.474432		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: Wednesday, March 12, 2014 13:19:54
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CAL2.033
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	465	34	7.3	0.000207	**0.1390**	ug/L
	Cr	52	67	1963	37	1.9	0.000858	**0.1516**	ug/L
	Cr	53	9	259	5	2.0	0.000113	**0.1594**	ug/L
	Fe	54	147	5507	87	1.6	0.002426	**4.8836**	ug/L
	Fe	56	2842	102999	381	0.4	0.045340	**4.7717**	ug/L
	Ni	60	58	836	27	3.3	0.000352	**0.1977**	ug/L
	Ni	62	9	132	11	8.5	0.000056	**0.2048**	ug/L
	Cu	63	169	1937	15	0.7	0.000801	**0.1990**	ug/L
	Cu	65	69	909	25	2.8	0.000380	**0.2014**	ug/L
	Zn	66	347	920	8	0.8	0.000262	**0.2091**	ug/L
	Zn	68	239	613	21	3.4	0.000171	**0.1994**	ug/L
>	Rh	103	2245467	2210154	18526	0.8	2210154.287417		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: Wednesday, March 12, 2014 13:21:10
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 4

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CAL3.034
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	919	17	1.9	0.000408	**0.2753**	ug/L
	Cr	52	67	3837	67	1.8	0.001691	**0.3006**	ug/L
	Cr	53	9	510	22	4.2	0.000225	**0.3169**	ug/L
	Fe	54	147	10990	32	0.3	0.004862	**9.8284**	ug/L
	Fe	56	2842	206463	1093	0.5	0.091303	**9.6039**	ug/L
	Ni	60	58	1653	39	2.4	0.000715	**0.4025**	ug/L
	Ni	62	9	239	9	3.8	0.000103	**0.3876**	ug/L
	Cu	63	169	3776	93	2.5	0.001618	**0.4123**	ug/L
	Cu	65	69	1745	50	2.9	0.000752	**0.4115**	ug/L
	Zn	66	347	1477	36	2.5	0.000508	**0.4129**	ug/L
	Zn	68	239	1015	21	2.0	0.000349	**0.4270**	ug/L
>	Rh	103	2245467	2230429	19339	0.9	2230429.458843		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: Wednesday, March 12, 2014 13:22:27
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CAL4.035
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	4693	44	0.9	0.002100	**1.4201**	ug/L
	Cr	52	67	19398	234	1.2	0.008667	**1.5497**	ug/L
	Cr	53	9	2498	98	3.9	0.001116	**1.5741**	ug/L
	Fe	54	147	54031	83	0.2	0.024160	**49.0007**	ug/L
	Fe	56	2842	1025582	2354	0.2	0.458573	**48.2164**	ug/L
	Ni	60	58	8100	61	0.8	0.003606	**2.0339**	ug/L
	Ni	62	9	1129	67	6.0	0.000502	**1.9373**	ug/L
	Cu	63	169	18431	97	0.5	0.008189	**2.1284**	ug/L
	Cu	65	69	8524	84	1.0	0.003791	**2.1312**	ug/L
	Zn	66	347	6011	69	1.2	0.002541	**2.0984**	ug/L
	Zn	68	239	3978	51	1.3	0.001677	**2.1259**	ug/L
>	Rh	103	2245467	2230341	12521	0.6	2230340.963915		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: Wednesday, March 12, 2014 13:23:43
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CAL5.036
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	16461	112	0.7	0.007330	**4.9582**	ug/L
	Cr	52	67	158414	663	0.4	0.070554	**12.6294**	ug/L
	Cr	53	9	20705	71	0.3	0.009222	**13.0125**	ug/L
	Fe	54	147	273672	1805	0.7	0.121874	**247.3427**	ug/L
	Fe	56	2842	5535599	34350	0.6	2.465159	**259.1761**	ug/L
	Ni	60	58	20223	164	0.8	0.008985	**5.0693**	ug/L
	Ni	62	9	2930	13	0.4	0.001302	**5.0391**	ug/L
	Cu	63	169	44624	163	0.4	0.019807	**5.1629**	ug/L
	Cu	65	69	20466	200	1.0	0.009088	**5.1285**	ug/L
	Zn	66	347	14151	66	0.5	0.006151	**5.0910**	ug/L
	Zn	68	239	9223	83	0.9	0.004003	**5.1007**	ug/L
>	Rh	103	2245467	2244454	23686	1.1	2244454.266237		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: Wednesday, March 12, 2014 13:24:59
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 7

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CAL6.037
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	35311	178	0.5	0.015177	**10.2665**	ug/L
	Cr	52	67	321499	2554	0.8	0.138193	**24.7391**	ug/L
	Cr	53	9	41520	111	0.3	0.017847	**25.1836**	ug/L
	Fe	54	147	559596	3615	0.6	0.240524	**488.1789**	ug/L
	Fe	56	2842	11346709	76746	0.7	4.877058	**512.7477**	ug/L
	Ni	60	58	42023	274	0.7	0.018041	**10.1801**	ug/L
	Ni	62	9	6114	119	1.9	0.002625	**10.1733**	ug/L
	Cu	63	169	91318	336	0.4	0.039185	**10.2238**	ug/L
	Cu	65	69	41908	126	0.3	0.017987	**10.1639**	ug/L
	Zn	66	347	140115	489	0.3	0.060086	**49.8038**	ug/L
	Zn	68	239	92589	473	0.5	0.039700	**50.7614**	ug/L
>	Rh	103	2245467	2325952	7826	0.3	2325951.540327		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: Wednesday, March 12, 2014 13:26:15
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 8

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CAL7.038
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	82207	568	0.7	0.034501	**23.3386**	ug/L
	Cr	52	67	1578782	6845	0.4	0.662638	**118.6326**	ug/L
	Cr	53	9	204914	763	0.4	0.086005	**121.3618**	ug/L
	Fe	54	147	3057629	22561	0.7	1.283292	**2604.8098**	ug/L
	Fe	56	2842	57925527	513357	0.9	24.311195	**2555.9291**	ug/L
	Ni	60	58	212969	442	0.2	0.089365	**50.4312**	ug/L
	Ni	62	9	31492	209	0.7	0.013214	**51.2679**	ug/L
	Cu	63	169	453270	1055	0.2	0.190179	**49.6586**	ug/L
	Cu	65	69	209186	1127	0.5	0.087771	**49.6505**	ug/L
	Zn	66	347	685187	5577	0.8	0.287435	**238.2797**	ug/L
	Zn	68	239	454917	2753	0.6	0.190834	**244.0753**	ug/L
>	Rh	103	2245467	2382549	21732	0.9	2382548.963573		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: Wednesday, March 12, 2014 13:27:31
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CAL8.039
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	220880	1326	0.6	0.091809	**62.1072**	ug/L
	Cr	52	67	3388603	50334	1.5	1.408408	**252.1508**	ug/L
	Cr	53	9	395929	3479	0.9	0.164567	**232.2202**	ug/L
	Fe	54	147	6058248	90980	1.5	2.517954	**5110.9504**	ug/L
	Fe	56	2842	115403914	1693833	1.5	47.965004	**5042.7398**	ug/L
	Ni	60	58	418906	3538	0.8	0.174096	**98.2482**	ug/L
	Ni	62	9	62086	282	0.5	0.025804	**100.1226**	ug/L
	Cu	63	169	874961	5575	0.6	0.363616	**94.9548**	ug/L
	Cu	65	69	405384	3159	0.8	0.168471	**95.3141**	ug/L
	Zn	66	347	1346785	12787	0.9	0.559643	**463.9438**	ug/L
	Zn	68	239	895067	3642	0.4	0.371950	**475.7394**	ug/L
>	Rh	103	2245467	2405912	30549	1.3	2405911.624732		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: Wednesday, March 12, 2014 13:28:47
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CAL9.040
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	480062	5502	1.1	0.197992	**133.9393**	ug/L
	Cr	52	67	6770684	116700	1.7	2.792279	**499.9107**	ug/L
	Cr	53	9	775422	5999	0.8	0.319825	**451.3047**	ug/L
	Fe	54	147	12229804	228245	1.9	5.043563	**10237.4802**	ug/L
	Fe	56	2842	233919963	3924367	1.7	96.470612	**10142.3103**	ug/L
	Ni	60	58	828368	5315	0.6	0.341644	**192.8025**	ug/L
	Ni	62	9	123420	1045	0.8	0.050901	**197.5167**	ug/L
	Cu	63	169	1701020	4635	0.3	0.701563	**183.2161**	ug/L
	Cu	65	69	785531	5596	0.7	0.323969	**183.3008**	ug/L
	Zn	66	347	2899285	38571	1.3	1.195598	**991.1583**	ug/L
	Zn	68	239	1738270	13501	0.8	0.716859	**916.9090**	ug/L
>	Rh	103	2245467	2424758	41297	1.7	2424757.766941		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: Wednesday, March 12, 2014 13:30:03
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-ICB2.041
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	16	9	53.4	0.000003	**0.0013**	ug/L
	Cr	52	67	364	199	54.7	0.000127	**0.0206**	ug/L
	Cr	53	9	39	12	29.7	0.000013	**0.0180**	ug/L
	Fe	54	147	709	272	38.4	0.000240	**0.4464**	ug/L
	Fe	56	2842	13660	5412	39.6	0.004619	**0.4905**	ug/L
	Ni	60	58	98	16	16.4	0.000016	**0.0080**	ug/L
	Ni	62	9	13	3	25.4	0.000002	**-0.0064**	ug/L
	Cu	63	169	229	67	29.3	0.000023	**-0.0041**	ug/L
	Cu	65	69	111	19	17.2	0.000017	**-0.0044**	ug/L
	Zn	66	347	482	60	12.4	0.000053	**0.0359**	ug/L
	Zn	68	239	347	58	16.6	0.000043	**0.0356**	ug/L
>	Rh	103	2245467	2327305	23534	1.0	2327305.184976		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	103.645

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICV1

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 13:37:32
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 101

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-ICV1.042
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	17663	125	0.7	0.007251	**4.9042**	ug/L
	Cr	52	67	161306	1540	1.0	0.066219	**11.8534**	ug/L
	Cr	53	9	20897	391	1.9	0.008578	**12.1049**	ug/L
	Fe	54	147	279154	1041	0.4	0.114586	**232.5477**	ug/L
	Fe	56	2842	5796151	33954	0.6	2.379260	**250.1451**	ug/L
	Ni	60	58	20687	27	0.1	0.008470	**4.7790**	ug/L
	Ni	62	9	3028	32	1.0	0.001240	**4.7988**	ug/L
	Cu	63	169	46404	284	0.6	0.018983	**4.9476**	ug/L
	Cu	65	69	21223	116	0.5	0.008685	**4.9008**	ug/L
	Zn	66	347	14636	229	1.6	0.005857	**4.8472**	ug/L
	Zn	68	239	9567	71	0.7	0.003823	**4.8704**	ug/L
>	Rh	103	2245467	2434807	5672	0.2	2434806.857725		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	108.432

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB3

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 13:39:04
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-ICB3.043
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	4	2	48.0	-0.000002	**-0.0021**	ug/L
	Cr	52	67	83	13	15.0	0.000006	**-0.0010**	ug/L
	Cr	53	9	12	2	12.4	0.000001	**0.0015**	ug/L
	Fe	54	147	162	2	1.3	0.000004	**-0.0330**	ug/L
	Fe	56	2842	3273	81	2.5	0.000136	**0.0192**	ug/L
	Ni	60	58	60	3	5.8	-0.000000	**-0.0013**	ug/L
	Ni	62	9	9	1	11.1	-0.000000	**-0.0126**	ug/L
	Cu	63	169	181	10	5.8	0.000002	**-0.0096**	ug/L
	Cu	65	69	77	13	16.9	0.000002	**-0.0127**	ug/L
	Zn	66	347	342	11	3.1	-0.000008	**-0.0145**	ug/L
	Zn	68	239	250	15	6.2	0.000000	**-0.0185**	ug/L
>	Rh	103	2245467	2334382	15295	0.7	2334381.501677		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	103.960

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL1

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 13:40:21
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 102

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-IBL1.044
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	6	2	28.9	-0.000001	**-0.0017**	ug/L
	Cr	52	67	77	6	7.6	0.000003	**-0.0015**	ug/L
	Cr	53	9	12	4	32.5	0.000001	**0.0011**	ug/L
	Fe	54	147	146	3	1.8	-0.000003	**-0.0464**	ug/L
	Fe	56	2842	2706	54	2.0	-0.000104	**-0.0060**	ug/L
	Ni	60	58	59	1	1.7	-0.000001	**-0.0015**	ug/L
	Ni	62	9	8	3	37.5	-0.000000	**-0.0142**	ug/L
	Cu	63	169	143	10	6.6	-0.000014	**-0.0138**	ug/L
	Cu	65	69	67	10	14.9	-0.000002	**-0.0150**	ug/L
	Zn	66	347	324	11	3.4	-0.000015	**-0.0206**	ug/L
	Zn	68	239	258	6	2.2	0.000004	**-0.0139**	ug/L
>	Rh	103	2245467	2329934	3338	0.1	2329933.812116		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	103.762

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL2

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 13:41:37
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 103

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-IBL2.045
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	5	1	10.8	-0.000002	**-0.0019**	ug/L
	Cr	52	67	74	3	3.4	0.000002	**-0.0018**	ug/L
	Cr	53	9	10	5	47.7	0.000000	**0.0003**	ug/L
	Fe	54	147	148	12	7.9	-0.000002	**-0.0446**	ug/L
	Fe	56	2842	2841	59	2.1	-0.000049	**-0.0002**	ug/L
	Ni	60	58	65	8	11.8	0.000002	**-0.0001**	ug/L
	Ni	62	9	12	3	20.4	0.000001	**-0.0070**	ug/L
	Cu	63	169	163	14	8.7	-0.000006	**-0.0117**	ug/L
	Cu	65	69	76	6	7.2	0.000002	**-0.0128**	ug/L
	Zn	66	347	523	187	35.7	0.000070	**0.0497**	ug/L
	Zn	68	239	359	126	35.2	0.000047	**0.0411**	ug/L
>	Rh	103	2245467	2334853	5442	0.2	2334853.474630		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	103.981

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL3

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 13:42:53
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 104

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-IBL3.046
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	6	1	9.1	-0.000001	**-0.0016**	ug/L
	Cr	52	67	65	17	26.3	-0.000002	**-0.0025**	ug/L
	Cr	53	9	9	4	44.6	-0.000000	**-0.0003**	ug/L
	Fe	54	147	141	7	5.0	-0.000006	**-0.0524**	ug/L
	Fe	56	2842	2752	67	2.4	-0.000101	**-0.0057**	ug/L
	Ni	60	58	62	2	2.8	0.000000	**-0.0009**	ug/L
	Ni	62	9	10	4	39.1	0.000001	**-0.0106**	ug/L
	Cu	63	169	149	20	13.5	-0.000012	**-0.0134**	ug/L
	Cu	65	69	68	3	5.1	-0.000002	**-0.0150**	ug/L
	Zn	66	347	431	50	11.5	0.000028	**0.0151**	ug/L
	Zn	68	239	305	26	8.4	0.000023	**0.0097**	ug/L
>	Rh	103	2245467	2362375	32565	1.4	2362375.397435		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	105.206

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL4

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 13:44:09
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 105

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-IBL4.047
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	4	3	74.2	-0.000002	**-0.0021**	ug/L
	Cr	52	67	65	15	23.7	-0.000002	**-0.0024**	ug/L
	Cr	53	9	12	3	24.7	0.000001	**0.0011**	ug/L
	Fe	54	147	137	4	2.6	-0.000007	**-0.0540**	ug/L
	Fe	56	2842	2763	70	2.5	-0.000077	**-0.0032**	ug/L
	Ni	60	58	67	8	11.3	0.000003	**0.0005**	ug/L
	Ni	62	9	6	1	20.4	-0.000001	**-0.0181**	ug/L
	Cu	63	169	154	13	8.5	-0.000009	**-0.0126**	ug/L
	Cu	65	69	75	18	23.6	0.000001	**-0.0131**	ug/L
	Zn	66	347	348	22	6.3	-0.000005	**-0.0118**	ug/L
	Zn	68	239	253	26	10.3	0.000002	**-0.0163**	ug/L
>	Rh	103	2245467	2325099	8416	0.4	2325099.366941		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	103.546

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV1

Sample Description: 5x
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 13:45:25
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 106

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-SCV1.048
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	30515	168	0.6	0.011664	**39.4484**	ug/L
	Cr	52	67	57804	395	0.7	0.022072	**19.7475**	ug/L
	Cr	53	9	7437	125	1.7	0.002840	**20.0360**	ug/L
	Fe	54	147	27001	78	0.3	0.010258	**103.9111**	ug/L
	Fe	56	2842	511855	1806	0.4	0.194444	**102.2378**	ug/L
	Ni	60	58	58930	348	0.6	0.022507	**63.5028**	ug/L
	Ni	62	9	8262	109	1.3	0.003155	**61.1593**	ug/L
	Cu	63	169	46098	262	0.6	0.017550	**22.8667**	ug/L
	Cu	65	69	21638	154	0.7	0.008242	**23.2495**	ug/L
	Zn	66	347	48854	323	0.7	0.018526	**76.7530**	ug/L
	Zn	68	239	36303	190	0.5	0.013775	**87.9985**	ug/L
>	Rh	103	2245467	2615527	28406	1.1	2615526.612353		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	116.480

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV2

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 13:58:41
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 107

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-SCV2.049
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	81973	939	1.1	0.033491	**22.6558**	ug/L
	Cr	52	67	668471	2949	0.4	0.273126	**48.8968**	ug/L
	Cr	53	9	86464	1029	1.2	0.035327	**49.8494**	ug/L
	Fe	54	147	1172564	9090	0.8	0.479067	**972.3799**	ug/L
	Fe	56	2842	24003733	321127	1.3	9.806826	**1031.0321**	ug/L
	Ni	60	58	89842	1093	1.2	0.036685	**20.7018**	ug/L
	Ni	62	9	12901	122	0.9	0.005268	**20.4304**	ug/L
	Cu	63	169	192704	2186	1.1	0.078666	**20.5348**	ug/L
	Cu	65	69	89159	361	0.4	0.036402	**20.5839**	ug/L
	Zn	66	347	61538	197	0.3	0.024992	**20.7107**	ug/L
	Zn	68	239	40645	133	0.3	0.016502	**21.0890**	ug/L
>	Rh	103	2245467	2447390	29841	1.2	2447389.525541		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	108.992

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV1

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 14:08:45
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCV1.052
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	4549	130	2.8	0.002218	**1.4999**	ug/L
	Cr	52	67	18054	39	0.2	0.008798	**1.5730**	ug/L
	Cr	53	9	2348	47	2.0	0.001143	**1.6131**	ug/L
	Fe	54	147	50395	248	0.5	0.024570	**49.8321**	ug/L
	Fe	56	2842	958910	4116	0.4	0.467508	**49.1558**	ug/L
	Ni	60	58	7589	106	1.4	0.003686	**2.0792**	ug/L
	Ni	62	9	1149	23	2.0	0.000558	**2.1547**	ug/L
	Cu	63	169	17358	45	0.3	0.008412	**2.1868**	ug/L
	Cu	65	69	8010	110	1.4	0.003887	**2.1856**	ug/L
	Zn	66	347	5583	117	2.1	0.002574	**2.1259**	ug/L
	Zn	68	239	3695	101	2.7	0.001702	**2.1576**	ug/L
>	Rh	103	2245467	2048900	106498	5.2	2048900.202472		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	91.246

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB1

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 14:10:41
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCB1.053
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	6	1	10.2	-0.000001	**-0.0014**	ug/L
	Cr	52	67	57	1	1.0	-0.000000	**-0.0021**	ug/L
	Cr	53	9	6	3	50.8	-0.000001	**-0.0013**	ug/L
	Fe	54	147	152	18	12.1	0.000012	**-0.0150**	ug/L
	Fe	56	2842	2663	35	1.3	0.000106	**0.0161**	ug/L
	Ni	60	58	45	6	12.3	-0.000003	**-0.0028**	ug/L
	Ni	62	9	8	2	21.7	0.000000	**-0.0115**	ug/L
	Cu	63	169	142	4	2.9	-0.000002	**-0.0108**	ug/L
	Cu	65	69	71	5	6.9	0.000006	**-0.0105**	ug/L
	Zn	66	347	289	19	6.7	-0.000006	**-0.0128**	ug/L
	Zn	68	239	222	7	3.2	0.000008	**-0.0091**	ug/L
>	Rh	103	2245467	1941863	25242	1.3	1941863.466490		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	86.479

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV2

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 14:20:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCV2.061
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	4636	104	2.2	0.002331	**1.5763**	ug/L
	Cr	52	67	19120	232	1.2	0.009601	**1.7168**	ug/L
	Cr	53	9	2476	26	1.1	0.001243	**1.7537**	ug/L
	Fe	54	147	52519	338	0.6	0.026388	**53.5234**	ug/L
	Fe	56	2842	999360	7449	0.7	0.502115	**52.7941**	ug/L
	Ni	60	58	7851	92	1.2	0.003929	**2.2160**	ug/L
	Ni	62	9	1084	59	5.5	0.000542	**2.0922**	ug/L
	Cu	63	169	18003	281	1.6	0.008993	**2.3384**	ug/L
	Cu	65	69	8137	137	1.7	0.004068	**2.2878**	ug/L
	Zn	66	347	5782	19	0.3	0.002758	**2.2783**	ug/L
	Zn	68	239	3773	50	1.3	0.001794	**2.2756**	ug/L
>	Rh	103	2245467	1985307	3613	0.2	1985306.678877		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	88.414

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB2

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 14:23:24
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCB2.062
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	5	3	52.9	-0.000001	**-0.0017**	ug/L
	Cr	52	67	52	6	12.1	-0.000003	**-0.0027**	ug/L
	Cr	53	9	6	1	18.2	-0.000001	**-0.0014**	ug/L
	Fe	54	147	155	20	13.0	0.000013	**-0.0145**	ug/L
	Fe	56	2842	3164	38	1.2	0.000330	**0.0396**	ug/L
	Ni	60	58	60	3	4.4	0.000004	**0.0013**	ug/L
	Ni	62	9	12	6	46.4	0.000002	**-0.0040**	ug/L
	Cu	63	169	158	18	11.2	0.000004	**-0.0090**	ug/L
	Cu	65	69	62	7	10.7	0.000001	**-0.0135**	ug/L
	Zn	66	347	324	34	10.4	0.000009	**-0.0008**	ug/L
	Zn	68	239	220	12	5.6	0.000005	**-0.0132**	ug/L
>	Rh	103	2245467	1983081	11821	0.6	1983081.389388		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	88.315

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV3

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 14:33:34
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCV3.070
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	4815	101	2.1	0.002101	**1.4202**	ug/L
	Cr	52	67	19533	166	0.8	0.008507	**1.5209**	ug/L
	Cr	53	9	2520	72	2.9	0.001097	**1.5483**	ug/L
	Fe	54	147	54399	393	0.7	0.023710	**48.0864**	ug/L
	Fe	56	2842	1031440	8273	0.8	0.449527	**47.2654**	ug/L
	Ni	60	58	8056	54	0.7	0.003495	**1.9715**	ug/L
	Ni	62	9	1197	32	2.6	0.000519	**2.0032**	ug/L
	Cu	63	169	18596	346	1.9	0.008051	**2.0926**	ug/L
	Cu	65	69	8517	128	1.5	0.003691	**2.0749**	ug/L
	Zn	66	347	6292	86	1.4	0.002596	**2.1440**	ug/L
	Zn	68	239	4259	80	1.9	0.001755	**2.2262**	ug/L
>	Rh	103	2245467	2288184	31786	1.4	2288183.871341		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	101.902

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB3

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 14:34:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCB3.071
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	5	5	101.3	-0.000002	**-0.0020**	ug/L
	Cr	52	67	64	8	11.9	-0.000002	**-0.0024**	ug/L
	Cr	53	9	9	2	17.6	-0.000000	**-0.0005**	ug/L
	Fe	54	147	160	1	0.7	0.000006	**-0.0290**	ug/L
	Fe	56	2842	3029	44	1.5	0.000080	**0.0133**	ug/L
	Ni	60	58	61	8	13.7	0.000001	**-0.0005**	ug/L
	Ni	62	9	7	3	37.8	-0.000001	**-0.0155**	ug/L
	Cu	63	169	172	13	7.8	0.000001	**-0.0099**	ug/L
	Cu	65	69	60	7	11.8	-0.000004	**-0.0161**	ug/L
	Zn	66	347	396	18	4.6	0.000021	**0.0097**	ug/L
	Zn	68	239	287	24	8.2	0.000021	**0.0078**	ug/L
>	Rh	103	2245467	2251006	8028	0.4	2251006.168545		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	100.247

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV4

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 14:46:18
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCV4.080
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	4892	34	0.7	0.002098	**1.4188**	ug/L
	Cr	52	67	19431	170	0.9	0.008320	**1.4875**	ug/L
	Cr	53	9	2541	43	1.7	0.001088	**1.5352**	ug/L
	Fe	54	147	54361	233	0.4	0.023295	**47.2452**	ug/L
	Fe	56	2842	1030609	2094	0.2	0.441626	**46.4347**	ug/L
	Ni	60	58	8087	123	1.5	0.003449	**1.9455**	ug/L
	Ni	62	9	1208	35	2.9	0.000515	**1.9877**	ug/L
	Cu	63	169	18579	62	0.3	0.007909	**2.0553**	ug/L
	Cu	65	69	8561	28	0.3	0.003648	**2.0503**	ug/L
	Zn	66	347	5974	94	1.6	0.002413	**1.9924**	ug/L
	Zn	68	239	3898	87	2.2	0.001569	**1.9872**	ug/L
>	Rh	103	2245467	2327000	2540	0.1	2327000.369111		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	103.631

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB4

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 14:47:34
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCB4.081
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	5	1	10.8	-0.000002	**-0.0018**	ug/L
	Cr	52	67	64	8	11.8	-0.000002	**-0.0024**	ug/L
	Cr	53	9	7	2	22.9	-0.000001	**-0.0018**	ug/L
	Fe	54	147	161	2	1.1	0.000005	**-0.0308**	ug/L
	Fe	56	2842	3007	95	3.2	0.000048	**0.0099**	ug/L
	Ni	60	58	58	14	24.5	-0.000000	**-0.0014**	ug/L
	Ni	62	9	10	3	29.9	0.000000	**-0.0112**	ug/L
	Cu	63	169	152	16	10.8	-0.000009	**-0.0126**	ug/L
	Cu	65	69	75	17	22.1	0.000002	**-0.0127**	ug/L
	Zn	66	347	318	5	1.6	-0.000015	**-0.0208**	ug/L
	Zn	68	239	227	7	3.1	-0.000007	**-0.0285**	ug/L
>	Rh	103	2245467	2289354	6175	0.3	2289353.970953		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	101.954

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV5

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 15:04:08
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCV5.090
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	4874	88	1.8	0.002163	**1.4623**	ug/L
	Cr	52	67	18685	147	0.8	0.008276	**1.4796**	ug/L
	Cr	53	9	2417	97	4.0	0.001070	**1.5097**	ug/L
	Fe	54	147	52315	577	1.1	0.023189	**47.0293**	ug/L
	Fe	56	2842	1001778	9197	0.9	0.444040	**46.6885**	ug/L
	Ni	60	58	7816	146	1.9	0.003448	**1.9448**	ug/L
	Ni	62	9	1142	4	0.3	0.000504	**1.9421**	ug/L
	Cu	63	169	17953	103	0.6	0.007905	**2.0544**	ug/L
	Cu	65	69	8247	197	2.4	0.003635	**2.0431**	ug/L
	Zn	66	347	5807	64	1.1	0.002427	**2.0041**	ug/L
	Zn	68	239	3743	129	3.4	0.001558	**1.9734**	ug/L
>	Rh	103	2245467	2249646	19426	0.9	2249645.968717		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	100.186

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB5

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 15:05:24
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCB5.091
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	4	2	53.3	-0.000002	**-0.0021**	ug/L
	Cr	52	67	68	5	6.8	0.000001	**-0.0019**	ug/L
	Cr	53	9	9	2	24.7	0.000000	**-0.0000**	ug/L
	Fe	54	147	150	15	9.7	0.000002	**-0.0370**	ug/L
	Fe	56	2842	3059	99	3.2	0.000109	**0.0164**	ug/L
	Ni	60	58	64	5	8.0	0.000003	**0.0006**	ug/L
	Ni	62	9	10	3	29.6	0.000001	**-0.0095**	ug/L
	Cu	63	169	139	15	10.5	-0.000013	**-0.0135**	ug/L
	Cu	65	69	62	9	15.1	-0.000003	**-0.0156**	ug/L
	Zn	66	347	325	2	0.5	-0.000008	**-0.0151**	ug/L
	Zn	68	239	231	13	5.6	-0.000003	**-0.0225**	ug/L
>	Rh	103	2245467	2225057	14348	0.6	2225057.488916		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	99.091

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV6

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 15:19:56
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCV6.101
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	4861	49	1.0	0.002140	**1.4470**	ug/L
	Cr	52	67	18395	73	0.4	0.008084	**1.4452**	ug/L
	Cr	53	9	2355	48	2.0	0.001035	**1.4599**	ug/L
	Fe	54	147	52184	681	1.3	0.022951	**46.5451**	ug/L
	Fe	56	2842	990946	12113	1.2	0.435797	**45.8218**	ug/L
	Ni	60	58	7777	78	1.0	0.003404	**1.9200**	ug/L
	Ni	62	9	1174	34	2.9	0.000514	**1.9817**	ug/L
	Cu	63	169	17741	38	0.2	0.007750	**2.0138**	ug/L
	Cu	65	69	8154	177	2.2	0.003566	**2.0037**	ug/L
	Zn	66	347	5730	92	1.6	0.002373	**1.9590**	ug/L
	Zn	68	239	3832	38	1.0	0.001584	**2.0070**	ug/L
>	Rh	103	2245467	2267289	27672	1.2	2267289.235414		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	100.972

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB6

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 15:21:13
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCB6.102
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	4	2	53.3	-0.000002	**-0.0021**	ug/L
	Cr	52	67	53	5	9.4	-0.000006	**-0.0032**	ug/L
	Cr	53	9	7	1	17.3	-0.000001	**-0.0017**	ug/L
	Fe	54	147	153	13	8.3	0.000003	**-0.0337**	ug/L
	Fe	56	2842	2927	151	5.2	0.000056	**0.0108**	ug/L
	Ni	60	58	56	5	8.1	-0.000001	**-0.0016**	ug/L
	Ni	62	9	7	3	49.5	-0.000001	**-0.0153**	ug/L
	Cu	63	169	145	7	5.0	-0.000010	**-0.0128**	ug/L
	Cu	65	69	69	7	9.6	0.000000	**-0.0136**	ug/L
	Zn	66	347	304	20	6.7	-0.000017	**-0.0223**	ug/L
	Zn	68	239	214	3	1.4	-0.000010	**-0.0315**	ug/L
>	Rh	103	2245467	2215061	23336	1.1	2215060.839571		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	98.646

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV7

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 15:33:56
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCV7.112
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	4610	108	2.3	0.002338	**1.5805**	ug/L
	Cr	52	67	17498	231	1.3	0.008858	**1.5838**	ug/L
	Cr	53	9	2304	24	1.0	0.001166	**1.6455**	ug/L
	Fe	54	147	49892	436	0.9	0.025274	**51.2619**	ug/L
	Fe	56	2842	945509	9041	1.0	0.478959	**50.3596**	ug/L
	Ni	60	58	7323	195	2.7	0.003694	**2.0834**	ug/L
	Ni	62	9	1108	22	2.0	0.000559	**2.1558**	ug/L
	Cu	63	169	16989	231	1.4	0.008553	**2.2236**	ug/L
	Cu	65	69	7796	21	0.3	0.003929	**2.2092**	ug/L
	Zn	66	347	5495	81	1.5	0.002636	**2.1776**	ug/L
	Zn	68	239	3669	85	2.3	0.001757	**2.2283**	ug/L
>	Rh	103	2245467	1968935	16294	0.8	1968935.327315		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	87.685

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB7

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 15:35:12
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCB7.113
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	4	2	48.0	-0.000002	**-0.0019**	ug/L
	Cr	52	67	56	5	9.2	-0.000002	**-0.0024**	ug/L
	Cr	53	9	7	3	37.8	-0.000001	**-0.0009**	ug/L
	Fe	54	147	150	6	3.7	0.000011	**-0.0188**	ug/L
	Fe	56	2842	2857	35	1.2	0.000184	**0.0242**	ug/L
	Ni	60	58	51	7	13.3	0.000000	**-0.0011**	ug/L
	Ni	62	9	10	2	14.8	0.000001	**-0.0072**	ug/L
	Cu	63	169	157	12	7.7	0.000004	**-0.0091**	ug/L
	Cu	65	69	68	17	25.2	0.000004	**-0.0117**	ug/L
	Zn	66	347	348	18	5.2	0.000022	**0.0104**	ug/L
	Zn	68	239	252	13	5.2	0.000021	**0.0082**	ug/L
>	Rh	103	2245467	1971389	12338	0.6	1971389.318544		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	87.794

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV8

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 15:53:09
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCV8.124
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
V	51	9	14858	157	1.1	0.006823	**4.6147**	ug/L
Cr	52	67	138775	584	0.4	0.063730	**11.4077**	ug/L
Cr	53	9	17791	51	0.3	0.008170	**11.5287**	ug/L
Fe	54	147	242440	2121	0.9	0.111323	**225.9242**	ug/L
Fe	56	2842	4964447	34758	0.7	2.279631	**239.6707**	ug/L
Ni	60	58	17805	203	1.1	0.008155	**4.6008**	ug/L
Ni	62	9	2583	17	0.6	0.001183	**4.5785**	ug/L
Cu	63	169	39613	274	0.7	0.018125	**4.7234**	ug/L
Cu	65	69	18297	120	0.7	0.008376	**4.7255**	ug/L
Zn	66	347	12633	157	1.2	0.005650	**4.6758**	ug/L
Zn	68	239	8473	94	1.1	0.003787	**4.8242**	ug/L
> Rh	103	2245467	2176523	2703	0.1	2176522.936946		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	96.930

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB8

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 15:54:53
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCB8.125
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
V	51	9	2	1	34.6	-0.000003	**-0.0028**	ug/L
Cr	52	67	53	3	6.5	-0.000003	**-0.0025**	ug/L
Cr	53	9	7	3	37.8	-0.000001	**-0.0009**	ug/L
Fe	54	147	136	9	6.6	0.000005	**-0.0312**	ug/L
Fe	56	2842	2612	30	1.1	0.000078	**0.0131**	ug/L
Ni	60	58	49	12	23.8	-0.000001	**-0.0014**	ug/L
Ni	62	9	8	5	59.2	0.000000	**-0.0108**	ug/L
Cu	63	169	131	3	2.3	-0.000008	**-0.0123**	ug/L
Cu	65	69	56	4	7.8	-0.000002	**-0.0150**	ug/L
Zn	66	347	276	28	10.3	-0.000012	**-0.0183**	ug/L
Zn	68	239	212	7	3.3	0.000003	**-0.0159**	ug/L
> Rh	103	2245467	1944544	22373	1.2	1944544.109098		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	86.599

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV9

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 16:07:35
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCV9.135
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	14896	290	1.9	0.007349	**4.9708**	ug/L
	Cr	52	67	136417	1994	1.5	0.067320	**12.0505**	ug/L
	Cr	53	9	17768	552	3.1	0.008765	**12.3676**	ug/L
	Fe	54	147	240957	4332	1.8	0.118893	**241.2916**	ug/L
	Fe	56	2842	4927981	100171	2.0	2.431452	**255.6322**	ug/L
	Ni	60	58	17502	454	2.6	0.008615	**4.8605**	ug/L
	Ni	62	9	2615	117	4.5	0.001286	**4.9772**	ug/L
	Cu	63	169	39073	723	1.9	0.019213	**5.0075**	ug/L
	Cu	65	69	17868	260	1.5	0.008792	**4.9613**	ug/L
	Zn	66	347	12553	171	1.4	0.006044	**5.0023**	ug/L
	Zn	68	239	8231	193	2.3	0.003956	**5.0405**	ug/L
>	Rh	103	2245467	2029261	122928	6.1	2029261.387001		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	90.371

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB9

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 16:08:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCB9.136
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	5	4	71.0	-0.000001	**-0.0016**	ug/L
	Cr	52	67	69	11	16.2	0.000005	**-0.0012**	ug/L
	Cr	53	9	9	3	29.0	0.000000	**0.0002**	ug/L
	Fe	54	147	157	7	4.4	0.000013	**-0.0132**	ug/L
	Fe	56	2842	3005	113	3.8	0.000246	**0.0308**	ug/L
	Ni	60	58	53	4	6.7	0.000001	**-0.0008**	ug/L
	Ni	62	9	10	5	53.1	0.000001	**-0.0087**	ug/L
	Cu	63	169	138	13	9.1	-0.000006	**-0.0118**	ug/L
	Cu	65	69	63	15	24.4	0.000001	**-0.0134**	ug/L
	Zn	66	347	299	21	7.1	-0.000004	**-0.0112**	ug/L
	Zn	68	239	212	3	1.4	0.000000	**-0.0187**	ug/L
>	Rh	103	2245467	1987941	8316	0.4	1987940.911905		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	88.531

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-BLK1

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:10:08
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 314

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-BLK1.137
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	6	4	66.7	-0.000001	**-0.0155**	ug/L
	Cr	52	67	62	4	6.5	-0.000001	**-0.0233**	ug/L
	Cr	53	9	7	1	14.3	-0.000001	**-0.0142**	ug/L
	Fe	54	147	157	2	1.3	0.000006	**-0.2827**	ug/L
	Fe	56	2842	2889	99	3.4	0.000054	**0.1063**	ug/L
	Ni	60	58	54	11	19.9	-0.000001	**-0.0193**	ug/L
	Ni	62	9	10	4	39.2	0.000001	**-0.1038**	ug/L
	Cu	63	169	143	14	10.0	-0.000010	**-0.1287**	ug/L
	Cu	65	69	71	5	7.0	0.000002	**-0.1296**	ug/L
	Zn	66	347	1285	16	1.3	0.000433	**3.5055**	ug/L
	Zn	68	239	833	21	2.5	0.000274	**3.3155**	ug/L
>	Rh	103	2245467	2188843	14192	0.6	2188843.397566		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	97.478

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-BLK2

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:11:24
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 315

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-BLK2.138
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	3	1	34.6	-0.000002	**-0.0238**	ug/L
	Cr	52	67	66	14	21.7	0.000000	**-0.0208**	ug/L
	Cr	53	9	12	3	22.0	0.000001	**0.0168**	ug/L
	Fe	54	147	185	6	3.2	0.000018	**-0.0485**	ug/L
	Fe	56	2842	3467	27	0.8	0.000295	**0.3587**	ug/L
	Ni	60	58	75	10	12.6	0.000008	**0.0338**	ug/L
	Ni	62	9	13	3	18.9	0.000002	**-0.0426**	ug/L
	Cu	63	169	144	11	7.6	-0.000011	**-0.1297**	ug/L
	Cu	65	69	64	6	8.6	-0.000002	**-0.1493**	ug/L
	Zn	66	347	1836	60	3.2	0.000672	**5.4901**	ug/L
	Zn	68	239	1244	50	4.0	0.000453	**5.6078**	ug/L
>	Rh	103	2245467	2221901	11097	0.5	2221901.169795		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	98.951

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-BLK3

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:12:41
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 316

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-BLK3.139
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	5	2	34.6	-0.000002	**-0.0190**	ug/L
	Cr	52	67	72	6	8.4	0.000002	**-0.0173**	ug/L
	Cr	53	9	11	5	43.3	0.000001	**0.0074**	ug/L
	Fe	54	147	175	22	12.3	0.000012	**-0.1568**	ug/L
	Fe	56	2842	3139	47	1.5	0.000127	**0.1829**	ug/L
	Ni	60	58	55	5	8.2	-0.000002	**-0.0207**	ug/L
	Ni	62	9	10	3	24.4	0.000001	**-0.0973**	ug/L
	Cu	63	169	162	12	7.5	-0.000003	**-0.1108**	ug/L
	Cu	65	69	71	9	12.6	0.000001	**-0.1339**	ug/L
	Zn	66	347	1700	36	2.1	0.000600	**4.8944**	ug/L
	Zn	68	239	1136	11	0.9	0.000398	**4.8965**	ug/L
>	Rh	103	2245467	2253068	15567	0.7	2253067.772624		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	100.338

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-BLK4

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:13:57
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 317

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-BLK4.140
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	5	3	53.9	-0.000002	**-0.0199**	ug/L
	Cr	52	67	65	5	7.9	-0.000001	**-0.0227**	ug/L
	Cr	53	9	7	2	34.6	-0.000001	**-0.0174**	ug/L
	Fe	54	147	141	6	4.3	-0.000003	**-0.4642**	ug/L
	Fe	56	2842	2645	64	2.4	-0.000088	**-0.0433**	ug/L
	Ni	60	58	69	4	5.2	0.000005	**0.0159**	ug/L
	Ni	62	9	11	2	13.5	0.000001	**-0.0795**	ug/L
	Cu	63	169	151	5	3.0	-0.000008	**-0.1233**	ug/L
	Cu	65	69	75	7	9.6	0.000003	**-0.1232**	ug/L
	Zn	66	347	1802	56	3.1	0.000648	**5.2940**	ug/L
	Zn	68	239	1230	7	0.6	0.000441	**5.4520**	ug/L
>	Rh	103	2245467	2245441	10412	0.5	2245440.820811		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	99.999

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-BS1

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:15:13
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 318

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-BS1.141
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	7701	39	0.5	0.003344	**22.6137**	ug/L
	Cr	52	67	24398	230	0.9	0.010577	**18.9153**	ug/L
	Cr	53	9	3129	95	3.0	0.001356	**19.1360**	ug/L
	Fe	54	147	67682	502	0.7	0.029359	**595.5220**	ug/L
	Fe	56	2842	1284417	15769	1.2	0.557106	**585.7547**	ug/L
	Ni	60	58	89	7	7.4	0.000013	**0.0607**	ug/L
	Ni	62	9	12	4	30.0	0.000001	**-0.0730**	ug/L
	Cu	63	169	18473	38	0.2	0.007956	**20.6760**	ug/L
	Cu	65	69	8461	59	0.7	0.003647	**20.5001**	ug/L
	Zn	66	347	34762	241	0.7	0.014959	**123.9287**	ug/L
	Zn	68	239	22843	51	0.2	0.009825	**125.4731**	ug/L
>	Rh	103	2245467	2300249	18513	0.8	2300248.679945		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	102.440

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-SRM1

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:16:29
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 319

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-SRM1.142
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	2564	1	0.0	0.001300	**8.7888**	ug/L
	Cr	52	67	11122	149	1.3	0.005628	**10.0547**	ug/L
	Cr	53	9	1426	29	2.0	0.000721	**10.1771**	ug/L
	Fe	54	147	193419	940	0.5	0.098328	**1995.4848**	ug/L
	Fe	56	2842	4042425	15406	0.4	2.055158	**2160.7116**	ug/L
	Ni	60	58	3251	16	0.5	0.001628	**9.1757**	ug/L
	Ni	62	9	468	12	2.6	0.000234	**8.9636**	ug/L
	Cu	63	169	75536	564	0.7	0.038350	**100.0565**	ug/L
	Cu	65	69	34783	318	0.9	0.017663	**99.8086**	ug/L
	Zn	66	347	80300	399	0.5	0.040696	**337.2911**	ug/L
	Zn	68	239	53138	419	0.8	0.026926	**344.2125**	ug/L
>	Rh	103	2245467	1965787	13354	0.7	1965786.832839		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	87.545

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-SRM2

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:17:45
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 320

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-SRM2.143
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	19207	107	0.6	0.008675	**58.6770**	ug/L
	Cr	52	67	9588	97	1.0	0.004302	**7.6816**	ug/L
	Cr	53	9	1244	28	2.3	0.000558	**7.8723**	ug/L
	Fe	54	147	111159	456	0.4	0.050161	**1017.7838**	ug/L
	Fe	56	2842	2323257	11472	0.5	1.048491	**1102.3657**	ug/L
	Ni	60	58	12399	132	1.1	0.005577	**31.4597**	ug/L
	Ni	62	9	1761	34	2.0	0.000792	**30.6099**	ug/L
	Cu	63	169	2760869	18590	0.7	1.247404	**3257.7267**	ug/L
	Cu	65	69	1173983	4162	0.4	0.530440	**3001.3047**	ug/L
	Zn	66	347	221375	1530	0.7	0.099872	**827.8734**	ug/L
	Zn	68	239	146577	785	0.5	0.066124	**845.5952**	ug/L
>	Rh	103	2245467	2213176	17569	0.8	2213176.225350		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	98.562

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVA

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 16:19:04
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCVA.144
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	17023	281	1.7	0.007125	**4.8191**	ug/L
	Cr	52	67	155132	2282	1.5	0.064936	**11.6236**	ug/L
	Cr	53	9	20197	299	1.5	0.008454	**11.9293**	ug/L
	Fe	54	147	270495	1890	0.7	0.113216	**229.7685**	ug/L
	Fe	56	2842	5558640	63779	1.1	2.326591	**244.6079**	ug/L
	Ni	60	58	20047	155	0.8	0.008369	**4.7221**	ug/L
	Ni	62	9	2989	55	1.9	0.001248	**4.8313**	ug/L
	Cu	63	169	44513	658	1.5	0.018565	**4.8385**	ug/L
	Cu	65	69	20663	269	1.3	0.008622	**4.8651**	ug/L
	Zn	66	347	14181	240	1.7	0.005784	**4.7872**	ug/L
	Zn	68	239	9400	82	0.9	0.003830	**4.8801**	ug/L
>	Rh	103	2245467	2387855	23136	1.0	2387855.381701		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	106.341

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBA

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 16:20:20
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCBA.145
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	4	1	25.0	-0.000002	**-0.0022**	ug/L
	Cr	52	67	65	5	7.1	-0.000002	**-0.0024**	ug/L
	Cr	53	9	8	5	54.1	-0.000001	**-0.0009**	ug/L
	Fe	54	147	178	28	15.5	0.000011	**-0.0172**	ug/L
	Fe	56	2842	3402	229	6.7	0.000205	**0.0264**	ug/L
	Ni	60	58	62	7	10.9	0.000001	**-0.0005**	ug/L
	Ni	62	9	7	1	8.7	-0.000001	**-0.0164**	ug/L
	Cu	63	169	167	17	10.4	-0.000003	**-0.0111**	ug/L
	Cu	65	69	79	13	16.5	0.000003	**-0.0121**	ug/L
	Zn	66	347	318	37	11.8	-0.000017	**-0.0221**	ug/L
	Zn	68	239	227	22	9.7	-0.000008	**-0.0299**	ug/L
>	Rh	103	2245467	2312881	20263	0.9	2312880.511609		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	103.002

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-01
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:21:38
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 321

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-01.146
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	37	6	16.1	0.000013	**0.0774**	ug/L
	Cr	52	67	300	13	4.2	0.000103	**0.1627**	ug/L
	Cr	53	9	38	8	20.6	0.000013	**0.1770**	ug/L
	Fe	54	147	1813	18	1.0	0.000734	**14.4861**	ug/L
	Fe	56	2842	36508	88	0.2	0.014826	**15.6357**	ug/L
	Ni	60	58	355	16	4.4	0.000130	**0.7246**	ug/L
	Ni	62	9	43	6	13.7	0.000015	**0.4542**	ug/L
	Cu	63	169	65268	551	0.8	0.028692	**74.8329**	ug/L
	Cu	65	69	29856	283	0.9	0.013128	**74.1472**	ug/L
	Zn	66	347	58597	309	0.5	0.025673	**212.7504**	ug/L
	Zn	68	239	38827	166	0.4	0.017007	**217.3462**	ug/L
>	Rh	103	2245467	2268800	6177	0.3	2268800.204381		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	101.039

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-DUP1

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:22:54
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 322

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-DUP1.147
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	38	3	8.1	0.000013	**0.0803**	ug/L
	Cr	52	67	298	4	1.5	0.000104	**0.1649**	ug/L
	Cr	53	9	28	5	16.4	0.000008	**0.1178**	ug/L
	Fe	54	147	1840	40	2.2	0.000759	**15.0074**	ug/L
	Fe	56	2842	36700	482	1.3	0.015188	**16.0165**	ug/L
	Ni	60	58	1762	21	1.2	0.000764	**4.3000**	ug/L
	Ni	62	9	233	29	12.4	0.000100	**3.7721**	ug/L
	Cu	63	169	66674	720	1.1	0.029816	**77.7688**	ug/L
	Cu	65	69	30450	261	0.9	0.013621	**76.9336**	ug/L
	Zn	66	347	55743	408	0.7	0.024837	**205.8183**	ug/L
	Zn	68	239	37080	325	0.9	0.016518	**211.0857**	ug/L
>	Rh	103	2245467	2230528	2667	0.1	2230527.786542		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	99.335

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-MS1

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:24:10
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 323

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-MS1.148
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	7505	61	0.8	0.003778	**25.5470**	ug/L
	Cr	52	67	23944	320	1.3	0.012035	**21.5258**	ug/L
	Cr	53	9	3102	31	1.0	0.001559	**21.9921**	ug/L
	Fe	54	147	66400	287	0.4	0.033390	**677.3548**	ug/L
	Fe	56	2842	1263099	2665	0.2	0.635145	**667.8001**	ug/L
	Ni	60	58	313	7	2.4	0.000132	**0.7334**	ug/L
	Ni	62	9	35	6	17.4	0.000014	**0.4091**	ug/L
	Cu	63	169	82809	177	0.2	0.041648	**108.6687**	ug/L
	Cu	65	69	38094	235	0.6	0.019163	**108.2925**	ug/L
	Zn	66	347	85215	142	0.2	0.042781	**354.5801**	ug/L
	Zn	68	239	56054	393	0.7	0.028137	**359.7056**	ug/L
>	Rh	103	2245467	1984770	11269	0.6	1984769.533395		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	88.390

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-MSD1

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:25:26
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 324

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-MSD1.149
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	7769	60	0.8	0.003503	**23.6891**	ug/L
	Cr	52	67	24408	240	1.0	0.010988	**19.6509**	ug/L
	Cr	53	9	3182	71	2.2	0.001432	**20.2029**	ug/L
	Fe	54	147	68889	536	0.8	0.031029	**629.4321**	ug/L
	Fe	56	2842	1315544	14924	1.1	0.592484	**622.9488**	ug/L
	Ni	60	58	346	23	6.6	0.000130	**0.7250**	ug/L
	Ni	62	9	43	9	20.8	0.000016	**0.4857**	ug/L
	Cu	63	169	85942	401	0.5	0.038717	**101.0138**	ug/L
	Cu	65	69	39269	164	0.4	0.017695	**99.9848**	ug/L
	Zn	66	347	87152	415	0.5	0.039185	**324.7652**	ug/L
	Zn	68	239	57533	416	0.7	0.025862	**330.6056**	ug/L
>	Rh	103	2245467	2215923	44096	2.0	2215922.845728		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	98.684

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-02

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:26:42
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 325

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-02.150
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	54	6	10.1	0.000020	**0.1291**	ug/L
	Cr	52	67	280	11	3.8	0.000094	**0.1478**	ug/L
	Cr	53	9	37	2	4.7	0.000012	**0.1722**	ug/L
	Fe	54	147	1648	42	2.5	0.000665	**13.0999**	ug/L
	Fe	56	2842	33667	82	0.2	0.013666	**14.4169**	ug/L
	Ni	60	58	552	18	3.2	0.000219	**1.2232**	ug/L
	Ni	62	9	73	4	5.6	0.000028	**0.9754**	ug/L
	Cu	63	169	75151	491	0.7	0.033255	**86.7509**	ug/L
	Cu	65	69	34524	210	0.6	0.015281	**86.3302**	ug/L
	Zn	66	347	51360	531	1.0	0.022625	**187.4819**	ug/L
	Zn	68	239	33976	67	0.2	0.014963	**191.1929**	ug/L
>	Rh	103	2245467	2254684	7349	0.3	2254683.624469		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	100.410

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-03
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:27:58
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 326

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-03.151
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
V	51	9	19	5	25.3	0.000004	**0.0224**	ug/L
Cr	52	67	209	17	8.0	0.000064	**0.0930**	ug/L
Cr	53	9	25	7	27.0	0.000007	**0.0965**	ug/L
Fe	54	147	2107	45	2.1	0.000876	**17.3695**	ug/L
Fe	56	2842	40889	264	0.6	0.017000	**17.9217**	ug/L
Ni	60	58	233	17	7.3	0.000078	**0.4301**	ug/L
Ni	62	9	24	5	22.0	0.000007	**0.1400**	ug/L
Cu	63	169	44274	153	0.3	0.019703	**51.3563**	ug/L
Cu	65	69	20414	248	1.2	0.009088	**51.2854**	ug/L
Zn	66	347	50759	266	0.5	0.022521	**186.6190**	ug/L
Zn	68	239	33515	215	0.6	0.014866	**189.9524**	ug/L
> Rh	103	2245467	2238705	29177	1.3	2238705.373466		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	99.699

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-04
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:29:14
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 327

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-04.152
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	15	2	10.0	0.000003	**0.0126**	ug/L
	Cr	52	67	251	25	10.1	0.000083	**0.1277**	ug/L
	Cr	53	9	25	7	26.2	0.000007	**0.0994**	ug/L
	Fe	54	147	2083	25	1.2	0.000871	**17.2710**	ug/L
	Fe	56	2842	40400	332	0.8	0.016898	**17.8150**	ug/L
	Ni	60	58	332	25	7.5	0.000123	**0.6857**	ug/L
	Ni	62	9	38	12	30.2	0.000013	**0.3925**	ug/L
	Cu	63	169	85258	432	0.5	0.038257	**99.8145**	ug/L
	Cu	65	69	38940	156	0.4	0.017478	**98.7565**	ug/L
	Zn	66	347	55752	674	1.2	0.024912	**206.4400**	ug/L
	Zn	68	239	36827	361	1.0	0.016452	**210.2386**	ug/L
>	Rh	103	2245467	2224182	17514	0.8	2224182.372400		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	99.052

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-05
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:30:30
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 328

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-05.153
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	24	10	41.4	0.000007	**0.0397**	ug/L
	Cr	52	67	364	15	4.1	0.000133	**0.2175**	ug/L
	Cr	53	9	46	2	3.8	0.000016	**0.2315**	ug/L
	Fe	54	147	4108	19	0.5	0.001775	**35.6223**	ug/L
	Fe	56	2842	78601	773	1.0	0.033949	**35.7406**	ug/L
	Ni	60	58	348	31	8.9	0.000130	**0.7234**	ug/L
	Ni	62	9	31	5	14.4	0.000010	**0.2694**	ug/L
	Cu	63	169	70594	530	0.8	0.031552	**82.3013**	ug/L
	Cu	65	69	32691	272	0.8	0.014615	**82.5598**	ug/L
	Zn	66	347	49180	483	1.0	0.021879	**181.2976**	ug/L
	Zn	68	239	32727	334	1.0	0.014556	**185.9914**	ug/L
>	Rh	103	2245467	2232058	8597	0.4	2232058.421048		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	99.403

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-06
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:31:46
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 329

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-06.154
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	18	1	6.3	0.000004	**0.0218**	ug/L
	Cr	52	67	325	22	6.8	0.000116	**0.1872**	ug/L
	Cr	53	9	44	6	12.8	0.000016	**0.2221**	ug/L
	Fe	54	147	1470	46	3.1	0.000596	**11.6914**	ug/L
	Fe	56	2842	29119	141	0.5	0.011836	**12.4928**	ug/L
	Ni	60	58	261	10	3.8	0.000092	**0.5060**	ug/L
	Ni	62	9	30	5	17.0	0.000009	**0.2424**	ug/L
	Cu	63	169	77616	235	0.3	0.034847	**90.9066**	ug/L
	Cu	65	69	35911	422	1.2	0.016127	**91.1155**	ug/L
	Zn	66	347	53128	35	0.1	0.023750	**196.8092**	ug/L
	Zn	68	239	35246	192	0.5	0.015752	**201.2877**	ug/L
>	Rh	103	2245467	2222540	6808	0.3	2222540.299835		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	98.979

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-07
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:33:02
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 330

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-07.155
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	32	2	4.7	0.000011	**0.0665**	ug/L
	Cr	52	67	494	13	2.6	0.000197	**0.3319**	ug/L
	Cr	53	9	57	8	13.4	0.000022	**0.3080**	ug/L
	Fe	54	147	2546	29	1.1	0.001103	**21.9941**	ug/L
	Fe	56	2842	49987	353	0.7	0.021690	**22.8526**	ug/L
	Ni	60	58	207	20	9.6	0.000069	**0.3780**	ug/L
	Ni	62	9	24	5	20.0	0.000007	**0.1463**	ug/L
	Cu	63	169	65387	487	0.7	0.029953	**78.1254**	ug/L
	Cu	65	69	29876	208	0.7	0.013690	**77.3239**	ug/L
	Zn	66	347	56731	216	0.4	0.025899	**214.6258**	ug/L
	Zn	68	239	37537	200	0.5	0.017132	**218.9474**	ug/L
>	Rh	103	2245467	2177513	9621	0.4	2177512.769111		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	96.974

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVB

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 16:34:19
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCVB.156
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	16577	337	2.0	0.007101	**4.8031**	ug/L
	Cr	52	67	155378	1833	1.2	0.066572	**11.9166**	ug/L
	Cr	53	9	20077	179	0.9	0.008602	**12.1380**	ug/L
	Fe	54	147	270283	3181	1.2	0.115784	**234.9809**	ug/L
	Fe	56	2842	5535035	57247	1.0	2.371220	**249.2999**	ug/L
	Ni	60	58	19846	391	2.0	0.008480	**4.7848**	ug/L
	Ni	62	9	2924	52	1.8	0.001249	**4.8356**	ug/L
	Cu	63	169	44435	730	1.6	0.018970	**4.9442**	ug/L
	Cu	65	69	20374	437	2.1	0.008701	**4.9097**	ug/L
	Zn	66	347	14168	111	0.8	0.005919	**4.8990**	ug/L
	Zn	68	239	9237	78	0.8	0.003853	**4.9088**	ug/L
>	Rh	103	2245467	2333123	34141	1.5	2333122.907137		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	103.904

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBB

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 16:35:36
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCBB.157
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	5	3	47.2	-0.000002	**-0.0018**	ug/L
	Cr	52	67	73	7	9.0	0.000002	**-0.0018**	ug/L
	Cr	53	9	10	2	14.8	0.000000	**0.0004**	ug/L
	Fe	54	147	173	15	8.5	0.000009	**-0.0218**	ug/L
	Fe	56	2842	3386	174	5.2	0.000201	**0.0260**	ug/L
	Ni	60	58	57	10	16.7	-0.000001	**-0.0018**	ug/L
	Ni	62	9	10	3	29.9	0.000000	**-0.0113**	ug/L
	Cu	63	169	138	5	3.3	-0.000016	**-0.0143**	ug/L
	Cu	65	69	77	8	10.1	0.000002	**-0.0125**	ug/L
	Zn	66	347	337	43	12.6	-0.000008	**-0.0150**	ug/L
	Zn	68	239	228	18	7.8	-0.000008	**-0.0292**	ug/L
>	Rh	103	2245467	2309295	9845	0.4	2309294.828205		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	102.843

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-08

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:36:53
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 331

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-08.158
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	26	2	7.9	0.000008	**0.0455**	ug/L
	Cr	52	67	413	16	3.9	0.000154	**0.2557**	ug/L
	Cr	53	9	53	11	20.7	0.000020	**0.2762**	ug/L
	Fe	54	147	1380	16	1.1	0.000550	**10.7539**	ug/L
	Fe	56	2842	27595	328	1.2	0.011040	**11.6560**	ug/L
	Ni	60	58	290	15	5.3	0.000103	**0.5731**	ug/L
	Ni	62	9	29	3	8.6	0.000009	**0.2322**	ug/L
	Cu	63	169	79163	369	0.5	0.035227	**91.9004**	ug/L
	Cu	65	69	36507	429	1.2	0.016249	**91.8060**	ug/L
	Zn	66	347	53014	602	1.1	0.023487	**194.6282**	ug/L
	Zn	68	239	35040	336	1.0	0.015520	**198.3216**	ug/L
>	Rh	103	2245467	2242422	4477	0.2	2242422.160468		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	99.864

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-09
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:38:09
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 332

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-09.159
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	95	13	14.2	0.000043	**0.2814**	ug/L
	Cr	52	67	723	9	1.3	0.000324	**0.5594**	ug/L
	Cr	53	9	99	7	6.6	0.000044	**0.6226**	ug/L
	Fe	54	147	2258	59	2.6	0.001040	**20.7013**	ug/L
	Fe	56	2842	67625	1093	1.6	0.031826	**33.5086**	ug/L
	Ni	60	58	2507	102	4.1	0.001201	**6.7693**	ug/L
	Ni	62	9	102	24	23.9	0.000046	**1.6663**	ug/L
	Cu	63	169	2647	70	2.6	0.001220	**3.0851**	ug/L
	Cu	65	69	1624	8	0.5	0.000763	**4.1801**	ug/L
	Zn	66	347	3939	19	0.5	0.001772	**14.6113**	ug/L
	Zn	68	239	2660	61	2.3	0.001196	**15.0999**	ug/L
>	Rh	103	2245467	2047841	100687	4.9	2047841.096797		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	91.199

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-DUP2

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:39:25
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 333

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-DUP2.160
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	98	7	6.6	0.000041	**0.2712**	ug/L
	Cr	52	67	1095	28	2.6	0.000473	**0.8252**	ug/L
	Cr	53	9	141	9	6.6	0.000060	**0.8513**	ug/L
	Fe	54	147	2430	72	3.0	0.001049	**20.8932**	ug/L
	Fe	56	2842	69130	252	0.4	0.030446	**32.0581**	ug/L
	Ni	60	58	2516	47	1.9	0.001128	**6.3559**	ug/L
	Ni	62	9	114	4	3.3	0.000049	**1.7598**	ug/L
	Cu	63	169	2799	25	0.9	0.001209	**3.0549**	ug/L
	Cu	65	69	1678	36	2.1	0.000739	**4.0436**	ug/L
	Zn	66	347	5003	8	0.2	0.002141	**17.6663**	ug/L
	Zn	68	239	3369	88	2.6	0.001439	**18.2169**	ug/L
>	Rh	103	2245467	2179955	12721	0.6	2179954.573623		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	97.082

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-MS2

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:40:41
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 334

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-MS2.161
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	7990	182	2.3	0.003579	**24.2054**	ug/L
	Cr	52	67	25260	19	0.1	0.011299	**20.2089**	ug/L
	Cr	53	9	3318	72	2.2	0.001484	**20.9372**	ug/L
	Fe	54	147	70055	780	1.1	0.031352	**635.9880**	ug/L
	Fe	56	2842	1361073	10300	0.8	0.609157	**640.4782**	ug/L
	Ni	60	58	3145	45	1.4	0.001384	**7.8017**	ug/L
	Ni	62	9	119	3	2.2	0.000050	**1.7961**	ug/L
	Cu	63	169	20259	75	0.4	0.009011	**23.4311**	ug/L
	Cu	65	69	9875	71	0.7	0.004398	**24.7464**	ug/L
	Zn	66	347	38045	399	1.0	0.016908	**140.0916**	ug/L
	Zn	68	239	25069	278	1.1	0.011136	**142.2513**	ug/L
>	Rh	103	2245467	2229777	23255	1.0	2229777.218444		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	99.301

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-MSD2

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:41:57
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 335

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-MSD2.162
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	8394	118	1.4	0.003656	**24.7236**	ug/L
	Cr	52	67	25672	106	0.4	0.011163	**19.9642**	ug/L
	Cr	53	9	3347	26	0.8	0.001455	**20.5304**	ug/L
	Fe	54	147	71370	437	0.6	0.031049	**629.8315**	ug/L
	Fe	56	2842	1375212	9870	0.7	0.598277	**629.0399**	ug/L
	Ni	60	58	1278	15	1.2	0.000531	**2.9860**	ug/L
	Ni	62	9	85	6	7.3	0.000033	**1.1633**	ug/L
	Cu	63	169	20354	106	0.5	0.008798	**22.8763**	ug/L
	Cu	65	69	9647	190	2.0	0.004175	**23.4839**	ug/L
	Zn	66	347	38140	97	0.3	0.016474	**136.4900**	ug/L
	Zn	68	239	24980	161	0.6	0.010784	**137.7416**	ug/L
>	Rh	103	2245467	2293838	22657	1.0	2293837.714004		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	102.154

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-10
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:43:13
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 336

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-10.163
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	444	13	2.8	0.000193	**1.2955**	ug/L
	Cr	52	67	2376	127	5.3	0.001023	**1.8099**	ug/L
	Cr	53	9	311	22	6.9	0.000133	**1.8828**	ug/L
	Fe	54	147	32687	242	0.7	0.014412	**292.1423**	ug/L
	Fe	56	2842	650868	4063	0.6	0.287026	**301.8097**	ug/L
	Ni	60	58	2528	49	1.9	0.001094	**6.1610**	ug/L
	Ni	62	9	190	10	5.1	0.000080	**2.9901**	ug/L
	Cu	63	169	2518	87	3.5	0.001040	**2.6141**	ug/L
	Cu	65	69	1450	15	1.0	0.000611	**3.3214**	ug/L
	Zn	66	347	5293	108	2.0	0.002190	**18.0749**	ug/L
	Zn	68	239	3480	32	0.9	0.001435	**18.1627**	ug/L
>	Rh	103	2245467	2257679	8304	0.4	2257679.341682		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	100.544

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-11
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:44:29
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 337

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-11.164
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	163	15	9.1	0.000070	**0.4624**	ug/L
	Cr	52	67	1569	337	21.4	0.000678	**1.1923**	ug/L
	Cr	53	9	181	15	8.5	0.000077	**1.0913**	ug/L
	Fe	54	147	9385	126	1.3	0.004171	**84.2625**	ug/L
	Fe	56	2842	199268	119	0.1	0.088680	**93.2820**	ug/L
	Ni	60	58	2440	59	2.4	0.001076	**6.0599**	ug/L
	Ni	62	9	145	13	9.1	0.000062	**2.2707**	ug/L
	Cu	63	169	2324	63	2.7	0.000974	**2.4417**	ug/L
	Cu	65	69	1355	30	2.2	0.000581	**3.1480**	ug/L
	Zn	66	347	4770	91	1.9	0.001999	**16.4922**	ug/L
	Zn	68	239	3150	55	1.7	0.001316	**16.6352**	ug/L
>	Rh	103	2245467	2215628	26548	1.2	2215627.862632		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	98.671

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVC

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 16:45:46
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCVC.165
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	16341	177	1.1	0.007154	**4.8387**	ug/L
	Cr	52	67	155754	712	0.5	0.068197	**12.2074**	ug/L
	Cr	53	9	20296	129	0.6	0.008886	**12.5391**	ug/L
	Fe	54	147	269717	704	0.3	0.118083	**239.6469**	ug/L
	Fe	56	2842	5484899	27989	0.5	2.401348	**252.4673**	ug/L
	Ni	60	58	19718	95	0.5	0.008612	**4.8588**	ug/L
	Ni	62	9	2912	73	2.5	0.001272	**4.9230**	ug/L
	Cu	63	169	43718	181	0.4	0.019075	**4.9716**	ug/L
	Cu	65	69	20009	224	1.1	0.008734	**4.9284**	ug/L
	Zn	66	347	14100	69	0.5	0.006022	**4.9842**	ug/L
	Zn	68	239	9305	184	2.0	0.003969	**5.0579**	ug/L
>	Rh	103	2245467	2282923	15713	0.7	2282923.339472		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	101.668

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBC

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 16:47:02
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCBC.166
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	4	1	31.5	-0.000002	**-0.0023**	ug/L
	Cr	52	67	66	11	16.0	-0.000001	**-0.0022**	ug/L
	Cr	53	9	11	3	24.1	0.000001	**0.0009**	ug/L
	Fe	54	147	174	27	15.8	0.000011	**-0.0179**	ug/L
	Fe	56	2842	3351	159	4.7	0.000214	**0.0274**	ug/L
	Ni	60	58	70	3	4.3	0.000005	**0.0018**	ug/L
	Ni	62	9	9	2	22.3	0.000000	**-0.0115**	ug/L
	Cu	63	169	155	15	9.9	-0.000007	**-0.0120**	ug/L
	Cu	65	69	70	6	8.8	-0.000000	**-0.0139**	ug/L
	Zn	66	347	311	17	5.6	-0.000017	**-0.0222**	ug/L
	Zn	68	239	232	12	5.1	-0.000004	**-0.0243**	ug/L
>	Rh	103	2245467	2264579	11025	0.5	2264578.668526		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	100.851

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-12

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:48:19
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 338

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-12.167
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	156	18	11.6	0.000066	**0.4418**	ug/L
	Cr	52	67	2278	6	0.3	0.000998	**1.7653**	ug/L
	Cr	53	9	283	19	6.5	0.000123	**1.7413**	ug/L
	Fe	54	147	5299	36	0.7	0.002324	**46.7768**	ug/L
	Fe	56	2842	122947	1180	1.0	0.054183	**57.0132**	ug/L
	Ni	60	58	2562	30	1.2	0.001130	**6.3640**	ug/L
	Ni	62	9	132	9	6.5	0.000056	**2.0402**	ug/L
	Cu	63	169	2242	20	0.9	0.000936	**2.3418**	ug/L
	Cu	65	69	1391	16	1.2	0.000597	**3.2370**	ug/L
	Zn	66	347	4530	82	1.8	0.001888	**15.5752**	ug/L
	Zn	68	239	2963	14	0.5	0.001230	**15.5384**	ug/L
>	Rh	103	2245467	2217303	11400	0.5	2217302.711096		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	98.746

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-DUP3

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:49:35
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 339

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-DUP3.168
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	155	14	9.3	0.000066	**0.4380**	ug/L
	Cr	52	67	3025	25	0.8	0.001332	**2.3635**	ug/L
	Cr	53	9	406	4	1.1	0.000179	**2.5194**	ug/L
	Fe	54	147	8851	133	1.5	0.003918	**79.1220**	ug/L
	Fe	56	2842	193346	1696	0.9	0.085752	**90.2037**	ug/L
	Ni	60	58	3152	104	3.3	0.001393	**7.8481**	ug/L
	Ni	62	9	219	12	5.3	0.000095	**3.5568**	ug/L
	Cu	63	169	3114	76	2.4	0.001326	**3.3610**	ug/L
	Cu	65	69	1879	47	2.5	0.000815	**4.4731**	ug/L
	Zn	66	347	8416	81	1.0	0.003634	**30.0430**	ug/L
	Zn	68	239	5544	21	0.4	0.002389	**30.3621**	ug/L
>	Rh	103	2245467	2221947	24556	1.1	2221947.056055		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	98.953

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-MS3

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:50:51
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 340

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-MS3.169
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	7651	166	2.2	0.003493	**23.6246**	ug/L
	Cr	52	67	25698	480	1.9	0.011716	**20.9548**	ug/L
	Cr	53	9	3366	58	1.7	0.001535	**21.6536**	ug/L
	Fe	54	147	79561	821	1.0	0.036302	**736.4566**	ug/L
	Fe	56	2842	1530530	10590	0.7	0.698348	**734.2479**	ug/L
	Ni	60	58	3833	5	0.1	0.001726	**9.7309**	ug/L
	Ni	62	9	336	12	3.7	0.000150	**5.6863**	ug/L
	Cu	63	169	19523	255	1.3	0.008848	**23.0066**	ug/L
	Cu	65	69	9400	122	1.3	0.004266	**23.9986**	ug/L
	Zn	66	347	35454	480	1.4	0.016052	**132.9910**	ug/L
	Zn	68	239	23226	251	1.1	0.010510	**134.2429**	ug/L
>	Rh	103	2245467	2187713	18821	0.9	2187712.629034		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	97.428

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-MSD3

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:52:07
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 341

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-MSD3.170
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	7673	68	0.9	0.003468	**23.4546**	ug/L
	Cr	52	67	24688	205	0.8	0.011143	**19.9281**	ug/L
	Cr	53	9	3176	27	0.9	0.001433	**20.2203**	ug/L
	Fe	54	147	68840	962	1.4	0.031085	**630.5736**	ug/L
	Fe	56	2842	1320632	14561	1.1	0.596349	**627.0126**	ug/L
	Ni	60	58	1801	26	1.4	0.000789	**4.4432**	ug/L
	Ni	62	9	117	14	11.7	0.000049	**1.7717**	ug/L
	Cu	63	169	19504	317	1.6	0.008751	**22.7516**	ug/L
	Cu	65	69	9099	161	1.8	0.004087	**22.9852**	ug/L
	Zn	66	347	35709	436	1.2	0.016005	**132.5998**	ug/L
	Zn	68	239	23581	414	1.8	0.010564	**134.9325**	ug/L
>	Rh	103	2245467	2209872	28201	1.3	2209872.414681		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	98.415

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-13
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:53:23
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 342

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-13.171
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
V	51	9	429	26	5.9	0.000189	**1.2681**	ug/L
Cr	52	67	3490	57	1.6	0.001537	**2.7303**	ug/L
Cr	53	9	442	16	3.7	0.000194	**2.7374**	ug/L
Fe	54	147	39772	159	0.4	0.017787	**360.6416**	ug/L
Fe	56	2842	804939	5816	0.7	0.360038	**378.5706**	ug/L
Ni	60	58	4475	52	1.2	0.001983	**11.1772**	ug/L
Ni	62	9	265	9	3.4	0.000115	**4.3482**	ug/L
Cu	63	169	5084	47	0.9	0.002207	**5.6613**	ug/L
Cu	65	69	2936	82	2.8	0.001287	**7.1431**	ug/L
Zn	66	347	6413	54	0.8	0.002724	**22.5045**	ug/L
Zn	68	239	4257	107	2.5	0.001805	**22.8913**	ug/L
> Rh	103	2245467	2228034	32483	1.5	2228033.540590		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	99.224

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-14
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:54:39
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 343

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-14.172
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	309	15	4.9	0.000136	**0.9106**	ug/L
	Cr	52	67	5058	79	1.6	0.002256	**4.0179**	ug/L
	Cr	53	9	653	29	4.4	0.000291	**4.1019**	ug/L
	Fe	54	147	21377	155	0.7	0.009594	**194.3434**	ug/L
	Fe	56	2842	449381	4604	1.0	0.201798	**212.2062**	ug/L
	Ni	60	58	34274	199	0.6	0.015462	**87.2467**	ug/L
	Ni	62	9	4552	56	1.2	0.002053	**79.5490**	ug/L
	Cu	63	169	88791	869	1.0	0.040047	**104.4876**	ug/L
	Cu	65	69	41375	558	1.3	0.018665	**105.4760**	ug/L
	Zn	66	347	69300	466	0.7	0.031161	**258.2461**	ug/L
	Zn	68	239	45902	489	1.1	0.020636	**263.7579**	ug/L
>	Rh	103	2245467	2212989	12437	0.6	2212989.402723		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	98.554

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-15
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:55:55
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 344

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-15.173
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	288	15	5.3	0.000128	**0.8558**	ug/L
	Cr	52	67	2531	57	2.2	0.001128	**1.9980**	ug/L
	Cr	53	9	329	12	3.8	0.000146	**2.0635**	ug/L
	Fe	54	147	12138	106	0.9	0.005485	**110.9288**	ug/L
	Fe	56	2842	254983	1757	0.7	0.115328	**121.2977**	ug/L
	Ni	60	58	2467	57	2.3	0.001102	**6.2079**	ug/L
	Ni	62	9	145	15	10.5	0.000063	**2.3037**	ug/L
	Cu	63	169	3106	96	3.1	0.001345	**3.4100**	ug/L
	Cu	65	69	1768	50	2.8	0.000778	**4.2617**	ug/L
	Zn	66	347	4772	30	0.6	0.002028	**16.7292**	ug/L
	Zn	68	239	3150	65	2.1	0.001334	**16.8677**	ug/L
>	Rh	103	2245467	2186919	5007	0.2	2186919.452266		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	97.393

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-16

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:57:11
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 345

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-16.174
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
V	51	9	260	17	6.5	0.000112	**0.7526**	ug/L
Cr	52	67	3132	53	1.7	0.001374	**2.4395**	ug/L
Cr	53	9	406	41	10.1	0.000178	**2.5072**	ug/L
Fe	54	147	23693	333	1.4	0.010551	**213.7653**	ug/L
Fe	56	2842	487640	5147	1.1	0.217255	**228.4570**	ug/L
Ni	60	58	4161	75	1.8	0.001839	**10.3660**	ug/L
Ni	62	9	260	30	11.7	0.000112	**4.2397**	ug/L
Cu	63	169	2884	79	2.7	0.001217	**3.0760**	ug/L
Cu	65	69	1827	20	1.1	0.000788	**4.3199**	ug/L
Zn	66	347	4878	100	2.1	0.002032	**16.7662**	ug/L
Zn	68	239	3158	45	1.4	0.001308	**16.5446**	ug/L
> Rh	103	2245467	2231862	44972	2.0	2231861.765651		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	99.394

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-17
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 16:58:27
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 346

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-17.175
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	6000	75	1.2	0.002660	**17.9885**	ug/L
	Cr	52	67	2212	41	1.8	0.000952	**1.6840**	ug/L
	Cr	53	9	291	26	8.8	0.000125	**1.7654**	ug/L
	Fe	54	147	54077	183	0.3	0.023945	**485.6443**	ug/L
	Fe	56	2842	1059795	7933	0.7	0.469288	**493.4283**	ug/L
	Ni	60	58	2885	29	1.0	0.001255	**7.0728**	ug/L
	Ni	62	9	305	20	6.4	0.000132	**4.9786**	ug/L
	Cu	63	169	3432	39	1.1	0.001448	**3.6807**	ug/L
	Cu	65	69	1789	63	3.5	0.000763	**4.1811**	ug/L
	Zn	66	347	9162	26	0.3	0.003914	**32.3637**	ug/L
	Zn	68	239	6111	149	2.4	0.002607	**33.1568**	ug/L
>	Rh	103	2245467	2252222	14532	0.6	2252222.154417		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	100.301

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVD

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 16:59:45
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCVD.176
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	16139	221	1.4	0.006880	**4.6536**	ug/L
	Cr	52	67	153054	927	0.6	0.065255	**11.6808**	ug/L
	Cr	53	9	19861	83	0.4	0.008467	**11.9483**	ug/L
	Fe	54	147	266717	2300	0.9	0.113703	**230.7561**	ug/L
	Fe	56	2842	5462313	26372	0.5	2.328711	**244.8307**	ug/L
	Ni	60	58	19375	66	0.3	0.008239	**4.6483**	ug/L
	Ni	62	9	2889	57	2.0	0.001228	**4.7545**	ug/L
	Cu	63	169	43461	302	0.7	0.018463	**4.8118**	ug/L
	Cu	65	69	19833	183	0.9	0.008429	**4.7555**	ug/L
	Zn	66	347	13939	133	1.0	0.005791	**4.7928**	ug/L
	Zn	68	239	9196	89	1.0	0.003816	**4.8622**	ug/L
>	Rh	103	2245467	2344408	14308	0.6	2344407.649332		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	104.406

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBD

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 17:01:01
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCBD.177
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	7	1	7.9	-0.000001	**-0.0012**	ug/L
	Cr	52	67	70	6	8.8	0.000001	**-0.0018**	ug/L
	Cr	53	9	11	2	18.2	0.000001	**0.0010**	ug/L
	Fe	54	147	166	21	12.7	0.000009	**-0.0223**	ug/L
	Fe	56	2842	3282	173	5.3	0.000208	**0.0267**	ug/L
	Ni	60	58	62	1	0.9	0.000002	**-0.0001**	ug/L
	Ni	62	9	10	3	29.9	0.000000	**-0.0107**	ug/L
	Cu	63	169	140	7	5.0	-0.000013	**-0.0135**	ug/L
	Cu	65	69	78	5	6.3	0.000004	**-0.0114**	ug/L
	Zn	66	347	303	14	4.7	-0.000018	**-0.0232**	ug/L
	Zn	68	239	217	20	9.3	-0.000009	**-0.0307**	ug/L
>	Rh	103	2245467	2227080	11010	0.5	2227079.761915		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	99.181

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-18
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 17:02:19
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 347

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-18.178
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	15988	263	1.6	0.007057	**47.7343**	ug/L
	Cr	52	67	40469	563	1.4	0.017844	**31.9261**	ug/L
	Cr	53	9	5316	41	0.8	0.002344	**33.0770**	ug/L
	Fe	54	147	1026626	14309	1.4	0.453362	**9202.0250**	ug/L
	Fe	56	2842	21918143	374912	1.7	9.678890	**10175.8171**	ug/L
	Ni	60	58	50203	1027	2.0	0.022145	**124.9635**	ug/L
	Ni	62	9	5310	91	1.7	0.002341	**90.7303**	ug/L
	Cu	63	169	12934	220	1.7	0.005637	**14.6200**	ug/L
	Cu	65	69	10158	282	2.8	0.004455	**25.0680**	ug/L
	Zn	66	347	10087	108	1.1	0.004301	**35.5782**	ug/L
	Zn	68	239	6177	167	2.7	0.002621	**33.3376**	ug/L
>	Rh	103	2245467	2264284	42532	1.9	2264283.685430		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	100.838

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-19
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 17:03:35
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 348

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-19.179
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	8104	114	1.4	0.003490	**23.6031**	ug/L
	Cr	52	67	5629	123	2.2	0.002397	**4.2712**	ug/L
	Cr	53	9	753	17	2.3	0.000321	**4.5221**	ug/L
	Fe	54	147	136516	678	0.5	0.058796	**1193.0459**	ug/L
	Fe	56	2842	2933037	18105	0.6	1.263362	**1328.2678**	ug/L
	Ni	60	58	10954	60	0.6	0.004697	**26.4954**	ug/L
	Ni	62	9	1181	29	2.4	0.000505	**19.4873**	ug/L
	Cu	63	169	4073	112	2.8	0.001680	**4.2869**	ug/L
	Cu	65	69	2584	60	2.3	0.001083	**5.9904**	ug/L
	Zn	66	347	6050	24	0.4	0.002454	**20.2653**	ug/L
	Zn	68	239	4026	90	2.2	0.001629	**20.6510**	ug/L
>	Rh	103	2245467	2319275	7142	0.3	2319275.089601		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	103.287

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-20

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 17:04:51
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 349

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-20.180
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	5711	24	0.4	0.002477	**16.7459**	ug/L
	Cr	52	67	4260	85	2.0	0.001820	**3.2383**	ug/L
	Cr	53	9	551	16	2.9	0.000235	**3.3201**	ug/L
	Fe	54	147	97695	946	1.0	0.042367	**859.5760**	ug/L
	Fe	56	2842	1920789	13046	0.7	0.833012	**875.8248**	ug/L
	Ni	60	58	8544	99	1.2	0.003685	**20.7847**	ug/L
	Ni	62	9	882	49	5.6	0.000379	**14.5880**	ug/L
	Cu	63	169	3102	62	2.0	0.001272	**3.2202**	ug/L
	Cu	65	69	2049	49	2.4	0.000859	**4.7233**	ug/L
	Zn	66	347	6063	93	1.5	0.002479	**20.4732**	ug/L
	Zn	68	239	4021	38	0.9	0.001640	**20.7840**	ug/L
>	Rh	103	2245467	2302333	7774	0.3	2302333.227152		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	102.532

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-21
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 17:06:07
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 350

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-21.181
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	14835	209	1.4	0.006344	**42.9083**	ug/L
	Cr	52	67	41063	420	1.0	0.017541	**31.3835**	ug/L
	Cr	53	9	5414	128	2.4	0.002312	**32.6277**	ug/L
	Fe	54	147	1058437	8045	0.8	0.452840	**9191.4322**	ug/L
	Fe	56	2842	22758128	182819	0.8	9.736933	**10236.8400**	ug/L
	Ni	60	58	43402	387	0.9	0.018546	**104.6494**	ug/L
	Ni	62	9	4387	56	1.3	0.001873	**72.5722**	ug/L
	Cu	63	169	14013	223	1.6	0.005921	**15.3614**	ug/L
	Cu	65	69	10544	140	1.3	0.004481	**25.2177**	ug/L
	Zn	66	347	12227	395	3.2	0.005077	**42.0101**	ug/L
	Zn	68	239	7663	116	1.5	0.003173	**40.3888**	ug/L
>	Rh	103	2245467	2336971	8832	0.4	2336970.797737		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	104.075

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-22
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 17:07:23
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 351

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-22.182
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	11568	133	1.2	0.004927	**33.3205**	ug/L
	Cr	52	67	32210	536	1.7	0.013698	**24.5036**	ug/L
	Cr	53	9	4146	45	1.1	0.001763	**24.8755**	ug/L
	Fe	54	147	847648	4825	0.6	0.361219	**7331.6940**	ug/L
	Fe	56	2842	18240320	124846	0.7	7.773046	**8172.1348**	ug/L
	Ni	60	58	41201	162	0.4	0.017535	**98.9460**	ug/L
	Ni	62	9	4280	57	1.3	0.001821	**70.5216**	ug/L
	Cu	63	169	11053	239	2.2	0.004635	**12.0043**	ug/L
	Cu	65	69	8586	2	0.0	0.003629	**20.3934**	ug/L
	Zn	66	347	9509	155	1.6	0.003898	**32.2376**	ug/L
	Zn	68	239	5965	84	1.4	0.002436	**30.9634**	ug/L
>	Rh	103	2245467	2346217	9178	0.4	2346216.878984		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	104.487

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-23
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 17:08:39
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 352

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-23.183
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	16730	206	1.2	0.007065	**47.7835**	ug/L
	Cr	52	67	50326	369	0.7	0.021232	**37.9920**	ug/L
	Cr	53	9	6574	128	1.9	0.002773	**39.1305**	ug/L
	Fe	54	147	1240154	13692	1.1	0.523876	**10633.3402**	ug/L
	Fe	56	2842	26783518	257953	1.0	11.314372	**11895.2591**	ug/L
	Ni	60	58	58228	573	1.0	0.024574	**138.6709**	ug/L
	Ni	62	9	6695	101	1.5	0.002825	**109.4845**	ug/L
	Cu	63	169	15490	106	0.7	0.006469	**16.7930**	ug/L
	Cu	65	69	11478	219	1.9	0.004818	**27.1244**	ug/L
	Zn	66	347	10587	46	0.4	0.004319	**35.7230**	ug/L
	Zn	68	239	6476	108	1.7	0.002629	**33.4401**	ug/L
>	Rh	103	2245467	2366921	10724	0.5	2366921.414694		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	105.409

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-24
Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 17:09:55
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 353

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\1408020-24.184
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	5013	53	1.1	0.002113	**14.2878**	ug/L
	Cr	52	67	2560	18	0.7	0.001051	**1.8615**	ug/L
	Cr	53	9	325	24	7.3	0.000133	**1.8795**	ug/L
	Fe	54	147	63669	237	0.4	0.026825	**544.0905**	ug/L
	Fe	56	2842	1286825	94310	7.3	0.542184	**570.0666**	ug/L
	Ni	60	58	2674	53	2.0	0.001104	**6.2167**	ug/L
	Ni	62	9	357	20	5.5	0.000147	**5.5760**	ug/L
	Cu	63	169	2599	61	2.4	0.001022	**2.5679**	ug/L
	Cu	65	69	1344	30	2.3	0.000537	**2.8989**	ug/L
	Zn	66	347	9394	63	0.7	0.003813	**31.5292**	ug/L
	Zn	68	239	6250	24	0.4	0.002533	**32.2094**	ug/L
>	Rh	103	2245467	2367738	3133	0.1	2367737.534592		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	105.445

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-DUP4

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 17:11:11
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 354

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-DUP4.185
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	5163	22	0.4	0.002312	**15.6324**	ug/L
	Cr	52	67	1989	39	2.0	0.000862	**1.5232**	ug/L
	Cr	53	9	242	11	4.6	0.000104	**1.4703**	ug/L
	Fe	54	147	43366	484	1.1	0.019386	**393.0913**	ug/L
	Fe	56	2842	853594	6050	0.7	0.381609	**401.2489**	ug/L
	Ni	60	58	3289	88	2.7	0.001450	**8.1695**	ug/L
	Ni	62	9	287	6	2.0	0.000125	**4.7260**	ug/L
	Cu	63	169	2446	54	2.2	0.001022	**2.5662**	ug/L
	Cu	65	69	1369	14	1.0	0.000583	**3.1617**	ug/L
	Zn	66	347	8751	124	1.4	0.003771	**31.1799**	ug/L
	Zn	68	239	5767	74	1.3	0.002480	**31.5344**	ug/L
>	Rh	103	2245467	2229427	12978	0.6	2229426.516319		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	99.286

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-MS4

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 17:12:27
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 355

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-MS4.186
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	12482	262	2.1	0.005598	**37.8594**	ug/L
	Cr	52	67	26566	98	0.4	0.011894	**21.2728**	ug/L
	Cr	53	9	3468	43	1.2	0.001552	**21.9063**	ug/L
	Fe	54	147	114315	349	0.3	0.051240	**1039.6761**	ug/L
	Fe	56	2842	2412268	11255	0.5	1.081365	**1136.9275**	ug/L
	Ni	60	58	2028	42	2.1	0.000884	**4.9794**	ug/L
	Ni	62	9	272	22	8.2	0.000118	**4.4558**	ug/L
	Cu	63	169	20301	87	0.4	0.009036	**23.4967**	ug/L
	Cu	65	69	9238	96	1.0	0.004115	**23.1478**	ug/L
	Zn	66	347	40824	141	0.3	0.018168	**150.5323**	ug/L
	Zn	68	239	26934	262	1.0	0.011981	**153.0610**	ug/L
>	Rh	103	2245467	2228207	19505	0.9	2228207.252858		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	99.231

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140357-MSD4

Sample Description: 10x
Batch ID: B140357

Sample Date/Time: Wednesday, March 12, 2014 17:13:43
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 356

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\B140357-MSD4.187
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	11799	200	1.7	0.005283	**35.7294**	ug/L
	Cr	52	67	25601	294	1.1	0.011441	**20.4617**	ug/L
	Cr	53	9	3359	36	1.1	0.001501	**21.1781**	ug/L
	Fe	54	147	117638	601	0.5	0.052642	**1068.1310**	ug/L
	Fe	56	2842	2484359	28761	1.2	1.111795	**1168.9192**	ug/L
	Ni	60	58	2159	32	1.5	0.000941	**5.3017**	ug/L
	Ni	62	9	294	20	6.7	0.000128	**4.8426**	ug/L
	Cu	63	169	19624	346	1.8	0.008717	**22.6643**	ug/L
	Cu	65	69	9196	161	1.8	0.004090	**23.0027**	ug/L
	Zn	66	347	38389	373	1.0	0.017045	**141.2262**	ug/L
	Zn	68	239	25093	193	0.8	0.011137	**142.2553**	ug/L
>	Rh	103	2245467	2232049	28531	1.3	2232048.588278		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	99.402

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVE

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 17:15:00
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCVE.188
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	16715	123	0.7	0.007036	**4.7587**	ug/L
	Cr	52	67	155633	850	0.5	0.065514	**11.7271**	ug/L
	Cr	53	9	20323	156	0.8	0.008554	**12.0712**	ug/L
	Fe	54	147	270907	1145	0.4	0.114026	**231.4109**	ug/L
	Fe	56	2842	5605934	8843	0.2	2.359645	**248.0830**	ug/L
	Ni	60	58	19564	92	0.5	0.008214	**4.6342**	ug/L
	Ni	62	9	2933	34	1.1	0.001231	**4.7660**	ug/L
	Cu	63	169	44019	461	1.0	0.018462	**4.8116**	ug/L
	Cu	65	69	20272	23	0.1	0.008507	**4.7996**	ug/L
	Zn	66	347	14026	97	0.7	0.005753	**4.7610**	ug/L
	Zn	68	239	9426	89	0.9	0.003863	**4.9223**	ug/L
>	Rh	103	2245467	2374548	17528	0.7	2374548.366506		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	105.749

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBE

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 17:16:17
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\SEQ-CCBE.189
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
	V	51	9	7	4	52.7	-0.000001	**-0.0015**	ug/L
	Cr	52	67	70	9	12.9	0.000000	**-0.0020**	ug/L
	Cr	53	9	12	3	26.2	0.000001	**0.0012**	ug/L
	Fe	54	147	183	28	15.1	0.000013	**-0.0133**	ug/L
	Fe	56	2842	3724	145	3.9	0.000340	**0.0407**	ug/L
	Ni	60	58	70	14	20.1	0.000004	**0.0012**	ug/L
	Ni	62	9	11	3	28.6	0.000001	**-0.0097**	ug/L
	Cu	63	169	158	12	7.7	-0.000007	**-0.0121**	ug/L
	Cu	65	69	80	1	0.7	0.000003	**-0.0119**	ug/L
	Zn	66	347	327	28	8.6	-0.000013	**-0.0192**	ug/L
	Zn	68	239	212	24	11.3	-0.000015	**-0.0383**	ug/L
>	Rh	103	2245467	2318996	15842	0.7	2318996.494455		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	103.275

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 17:17:35
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\rinse.190
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
V	51	9	5	3	68.9	-0.000002	**-0.0020**	ug/L
Cr	52	67	81	6	7.6	0.000006	**-0.0010**	ug/L
Cr	53	9	6	2	24.1	-0.000001	**-0.0019**	ug/L
Fe	54	147	304	46	15.2	0.000070	**0.1019**	ug/L
Fe	56	2842	5719	53	0.9	0.001289	**0.1404**	ug/L
Ni	60	58	54	5	9.8	-0.000002	**-0.0021**	ug/L
Ni	62	9	11	1	10.8	0.000001	**-0.0091**	ug/L
Cu	63	169	164	5	3.0	-0.000002	**-0.0107**	ug/L
Cu	65	69	64	7	10.2	-0.000002	**-0.0151**	ug/L
Zn	66	347	290	10	3.3	-0.000025	**-0.0286**	ug/L
Zn	68	239	224	19	8.6	-0.000006	**-0.0275**	ug/L
> Rh	103	2245467	2238820	21058	0.9	2238820.089114		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	99.704

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 17:18:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\rinse.191
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
V	51	9	4	2	53.3	-0.000002	**-0.0021**	ug/L
Cr	52	67	84	3	3.5	0.000008	**-0.0006**	ug/L
Cr	53	9	10	1	5.6	0.000001	**0.0007**	ug/L
Fe	54	147	286	17	5.8	0.000064	**0.0889**	ug/L
Fe	56	2842	5571	65	1.2	0.001257	**0.1371**	ug/L
Ni	60	58	63	13	20.3	0.000003	**0.0004**	ug/L
Ni	62	9	10	1	6.0	0.000001	**-0.0106**	ug/L
Cu	63	169	158	8	5.1	-0.000004	**-0.0112**	ug/L
Cu	65	69	66	6	8.4	-0.000001	**-0.0144**	ug/L
Zn	66	347	306	18	5.8	-0.000016	**-0.0210**	ug/L
Zn	68	239	211	19	8.8	-0.000011	**-0.0331**	ug/L
> Rh	103	2245467	2208512	22995	1.0	2208512.214852		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	98.354

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Wednesday, March 12, 2014 17:20:07
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2014\03-14\1400204.sam
Method File: C:\Elandata\Method\2014\03-14\1400204-0060-icpms2-cce.mth
Dataset File: C:\Elandata\DataSet\Data\2014\03-14\1400204\rinse.192
Calibration File: C:\Elandata\System\2014\03-14\1400204.cal
Blank File: C:\Elandata\DataSet\Data\2014\03-14\1400204\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
V	51	9	5	1	10.8	-0.000001	**-0.0018**	ug/L
Cr	52	67	75	11	14.3	0.000003	**-0.0015**	ug/L
Cr	53	9	9	2	19.2	-0.000000	**-0.0003**	ug/L
Fe	54	147	302	25	8.1	0.000069	**0.0999**	ug/L
Fe	56	2842	5545	91	1.6	0.001205	**0.1316**	ug/L
Ni	60	58	67	5	7.9	0.000004	**0.0011**	ug/L
Ni	62	9	8	6	75.3	-0.000000	**-0.0143**	ug/L
Cu	63	169	165	7	4.0	-0.000002	**-0.0107**	ug/L
Cu	65	69	71	9	12.2	0.000001	**-0.0134**	ug/L
Zn	66	347	301	12	4.0	-0.000020	**-0.0250**	ug/L
Zn	68	239	220	6	2.8	-0.000008	**-0.0297**	ug/L
> Rh	103	2245467	2243936	10542	0.5	2243936.407025		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	99.932

ANALYSIS SEQUENCE

1400220

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400220-ICB1	1400220	QC	1		-			
1400220-CAL1	1400220	QC	2	1411038	-			
1400220-CAL2	1400220	QC	3	1411039	-			
1400220-CAL3	1400220	QC	4	1411040	-			
1400220-CAL4	1400220	QC	5	1411041	-			
1400220-CAL5	1400220	QC	6	1411042	-			
1400220-CAL6	1400220	QC	7	1411043	-			
1400220-CAL7	1400220	QC	8	1411044	-			
1400220-CAL8	1400220	QC	9	1411045	-			
1400220-ICB2	1400220	QC	10		-			
1400220-ICV1	1400220	QC	11	1341021	-			
1400220-ICV2	1400220	QC	12	1341021	-			
1400220-ICB3	1400220	QC	13		-			
1400220-IBL1	1400220	QC	14		-			
1400220-IBL2	1400220	QC	15		-			
1400220-IBL3	1400220	QC	16		-			
1400220-IBL4	1400220	QC	17		-			
1400220-SCV1	1400220	QC	18	1346032	-			
1400220-SCV2	1400220	QC	19	1333002	-			
1400220-SCV3	1400220	QC	20	1352078	-			
1400220-IFA1	1400220	QC	21	1343002	-			
1400220-IFB1	1400220	QC	22	1343001	-			
1400220-CCV1	1400220	QC	23	1411041	-			
1400220-CCB1	1400220	QC	24		-			
B140397-BLK1	B140397	QC	25		-			
B140397-BLK2	B140397	QC	26		-			

ANALYSIS SEQUENCE

1400220

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140397-BLK3	B140397	QC	27		-			
B140397-BLK4	B140397	QC	28		-			
B140397-BS1	B140397	QC	29		-			
B140397-SRM1	B140397	QC	30		-			
B140397-SRM2	B140397	QC	31		-			
1407040-02RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	32			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/18/14
1407040-03RE2	B140397	-FW-Oven-ICPMS-NoMB-DoD-	33			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/18/14
1408003-02RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	34			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/18/14
1408003-02RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	34			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/12/14
1408003-03RE2	B140397	-FW-Oven-ICPMS-NoMB-DoD-	35			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/18/14
1408003-03RE2	B140397	-FW-Oven-ICPMS-NoMB-DoD-	35			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/12/14
1400220-CCV2	1400220	QC	36	1411041	-			
1400220-CCB2	1400220	QC	37		-			
1407040-01RE2	B140397	-FW-Oven-ICPMS-NoMB-DoD-	38			EAS-SP1304	1/1/1980	BatchQC
1407040-01RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	38			EAS-SP1304	1/1/1980	BatchQC
1407040-01RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	38			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/18/14
1407040-01RE2	B140397	-FW-Oven-ICPMS-NoMB-DoD-	38			EAS-SP1304	1/1/1980	BatchQC
B140397-DUP1	B140397	QC	39		1407040-01RE2			
B140397-DUP2	B140397	QC	40		1407040-01RE2			
B140397-MS1	B140397	QC	41		1407040-01RE2			
B140397-MSD1	B140397	QC	42		1407040-01RE2			
1407040-04RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	43			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/18/14
1407040-05RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	44			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/18/14
1407040-06RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	45			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/18/14
1407040-07RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	46			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/18/14
1407040-08RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	47			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/18/14

ANALYSIS SEQUENCE

1400220

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400220-CCV3	1400220	QC	48	1411041	-			
1400220-CCB3	1400220	QC	49		-			
1407040-09RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	50			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/12/14
1407040-09RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	50			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/18/14
1407040-09RE2	B140397	-FW-Oven-ICPMS-NoMB-DoD-	50			EAS-SP1304	1/1/1980	BatchQC
1407040-09RE2	B140397	-FW-Oven-ICPMS-NoMB-DoD-	50			EAS-SP1304	1/1/1980	BatchQC
B140397-DUP3	B140397	QC	51		1407040-09RE2			
B140397-DUP4	B140397	QC	52		1407040-09RE2			
B140397-MS2	B140397	QC	53		1407040-09RE2			
B140397-MSD2	B140397	QC	54		1407040-09RE2			
1407040-10RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	55			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/18/14
1407040-10RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	55			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/12/14
1407040-11RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	56			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/18/14
1407040-11RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	56			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/12/14
1407040-12RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	57			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/18/14
1407040-12RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	57			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/12/14
1407040-13RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	58			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/12/14
1407040-13RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	58			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/18/14
1407040-14RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	59			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/18/14
1407040-14RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	59			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/12/14
1400220-CCV4	1400220	QC	60	1411041	-			
1400220-CCB4	1400220	QC	61		-			
1407040-15RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	62			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/18/14
1407040-15RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	62			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/12/14
1407040-16RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	63			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/18/14
1407040-16RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	63			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/12/14

ANALYSIS SEQUENCE

1400220

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1407040-17RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	64			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/18/14
1407040-17RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	64			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/12/14
1407040-18RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	65			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/12/14
1407040-18RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	65			EAS-SP1304	3/10/2014	From B140356 by A_R on 03/18/14
1408003-01RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	66			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/18/14
1408003-01RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	66			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/12/14
1408003-04RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	67			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/12/14
1408003-04RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	67			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/18/14
1408003-05RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	68			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/12/14
1408003-05RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	68			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/18/14
1408003-06RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	69			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/12/14
1408003-06RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	69			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/18/14
1400220-CCV5	1400220	QC	70	1411041	-			
1400220-CCB5	1400220	QC	71		-			
1408003-07RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	72			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/12/14
1408003-07RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	72			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/18/14
1408003-07RE2	B140397	-FW-Oven-ICPMS-NoMB-DoD-	72			EAS-SP1304	1/1/1980	BatchQC
1408003-07RE2	B140397	-FW-Oven-ICPMS-NoMB-DoD-	72			EAS-SP1304	1/1/1980	BatchQC
B140397-DUP5	B140397	QC	73		1408003-07RE2			
B140397-DUP6	B140397	QC	74		1408003-07RE2			
B140397-MS3	B140397	QC	75		1408003-07RE2			
B140397-MSD3	B140397	QC	76		1408003-07RE2			
1408003-08RE2	B140397	-FW-Oven-ICPMS-NoMB-DoD-	77			EAS-SP1304	1/1/1980	BatchQC
1408003-08RE2	B140397	-FW-Oven-ICPMS-NoMB-DoD-	77			EAS-SP1304	1/1/1980	BatchQC
1408003-08RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	77			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/18/14
1408003-08RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	77			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/12/14

ANALYSIS SEQUENCE

1400220

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140397-DUP7	B140397	QC	78		1408003-08RE2			
B140397-DUP8	B140397	QC	79		1408003-08RE2			
B140397-MS4	B140397	QC	80		1408003-08RE2			
B140397-MSD4	B140397	QC	81		1408003-08RE2			
1400220-CCV6	1400220	QC	82	1411041	-			
1400220-CCB6	1400220	QC	83		-			
1408003-09RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	84			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/12/14
1408003-09RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	84			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/18/14
1408003-10RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	85			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/18/14
1408003-10RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	85			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/12/14
1408003-11RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	86			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/12/14
1408003-11RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	86			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/18/14
1408003-12RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	87			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/12/14
1408003-12RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	87			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/18/14
1408003-13RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	88			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/12/14
1408003-13RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	88			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/18/14
1408003-14RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	89			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/18/14
1408003-14RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	89			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/12/14
1408003-15RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	90			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/18/14
1408003-15RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	90			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/12/14
1408003-16RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	91			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/18/14
1408003-16RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	91			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/12/14
1408003-17RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	92			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/18/14
1408003-17RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	92			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/12/14
1408003-18RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	93			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/12/14
1408003-18RE2	B140397	FW-Oven-ICPMS-NoMB-DoD-I	93			EAS-SP1304	3/12/2014	From B140356 by A_R on 03/18/14

ANALYSIS SEQUENCE

1400220

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400220-CCV7	1400220	QC	94	1411041	-			
1400220-CCB7	1400220	QC	95		-			
B140398-BLK1	B140398	QC	96		-			
B140398-BLK2	B140398	QC	97		-			
B140398-BLK3	B140398	QC	98		-			
B140398-BLK4	B140398	QC	99		-			
B140398-BS1	B140398	QC	100		-			
B140398-SRM1	B140398	QC	101		-			
B140398-SRM2	B140398	QC	102		-			
1400220-CCV8	1400220	QC	103	1411041	-			
1400220-CCB8	1400220	QC	104		-			
1408020-01RE1	B140398	200.8-Al-B-HNO3-ICPMS	105			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-01RE1	B140398	200.8-Be-B-HNO3-ICPMS	105			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-01RE1	B140398	200.8-Ag-B-HNO3-ICPMS	105			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-01RE1	B140398	Mo-B-HNO3-ICPMS	105			ARD-MV1302	1/1/1980	BatchQC
1408020-01RE1	B140398	200.8-Pb-B-HNO3-ICPMS	105			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
B140398-DUP1	B140398	QC	106		1408020-01RE1			
B140398-MS1	B140398	QC	107		1408020-01RE1			
B140398-MSD1	B140398	QC	108		1408020-01RE1			
1408020-02RE1	B140398	200.8-Pb-B-HNO3-ICPMS	109			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-02RE1	B140398	200.8-Al-B-HNO3-ICPMS	109			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-02RE1	B140398	200.8-Ag-B-HNO3-ICPMS	109			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-02RE1	B140398	200.8-Be-B-HNO3-ICPMS	109			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-03RE1	B140398	200.8-Ag-B-HNO3-ICPMS	110			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-03RE1	B140398	200.8-Be-B-HNO3-ICPMS	110			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-03RE1	B140398	200.8-Pb-B-HNO3-ICPMS	110			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14

ANALYSIS SEQUENCE

1400220

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-03RE1	B140398	200.8-Al-B-HNO3-ICPMS	110			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-04RE1	B140398	200.8-Pb-B-HNO3-ICPMS	111			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-04RE1	B140398	200.8-Be-B-HNO3-ICPMS	111			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-04RE1	B140398	200.8-Ag-B-HNO3-ICPMS	111			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-04RE1	B140398	200.8-Al-B-HNO3-ICPMS	111			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-05RE1	B140398	200.8-Be-B-HNO3-ICPMS	112			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-05RE1	B140398	200.8-Al-B-HNO3-ICPMS	112			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-05RE1	B140398	200.8-Ag-B-HNO3-ICPMS	112			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-05RE1	B140398	200.8-Pb-B-HNO3-ICPMS	112			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-06RE1	B140398	200.8-Al-B-HNO3-ICPMS	113			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-06RE1	B140398	200.8-Ag-B-HNO3-ICPMS	113			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-06RE1	B140398	200.8-Pb-B-HNO3-ICPMS	113			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-06RE1	B140398	200.8-Be-B-HNO3-ICPMS	113			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-07RE1	B140398	200.8-Pb-B-HNO3-ICPMS	114			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-07RE1	B140398	200.8-Be-B-HNO3-ICPMS	114			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-07RE1	B140398	200.8-Ag-B-HNO3-ICPMS	114			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-07RE1	B140398	200.8-Al-B-HNO3-ICPMS	114			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1400220-CCV9	1400220	QC	115	1411041	-			
1400220-CCB9	1400220	QC	116		-			
1408020-08RE1	B140398	200.8-Pb-B-HNO3-ICPMS	117			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-08RE1	B140398	200.8-Ag-B-HNO3-ICPMS	117			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-08RE1	B140398	200.8-Al-B-HNO3-ICPMS	117			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-08RE1	B140398	200.8-Be-B-HNO3-ICPMS	117			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-09RE1	B140398	Mo-B-HNO3-ICPMS	118			ARD-MV1302	1/1/1980	BatchQC
1408020-09RE1	B140398	200.8-Al-B-HNO3-ICPMS	118			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-09RE1	B140398	200.8-Ag-B-HNO3-ICPMS	118			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14

ANALYSIS SEQUENCE

1400220

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-09RE1	B140398	200.8-Be-B-HNO3-ICPMS	118			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-09RE1	B140398	200.8-Pb-B-HNO3-ICPMS	118			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
B140398-DUP2	B140398	QC	119		1408020-09RE1			
B140398-MS2	B140398	QC	120		1408020-09RE1			
B140398-MSD2	B140398	QC	121		1408020-09RE1			
1408020-10RE1	B140398	200.8-Pb-B-HNO3-ICPMS	122			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-10RE1	B140398	200.8-Ag-B-HNO3-ICPMS	122			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-10RE1	B140398	200.8-Be-B-HNO3-ICPMS	122			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-10RE1	B140398	200.8-Al-B-HNO3-ICPMS	122			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-11RE1	B140398	200.8-Pb-B-HNO3-ICPMS	123			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-11RE1	B140398	200.8-Ag-B-HNO3-ICPMS	123			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-11RE1	B140398	200.8-Al-B-HNO3-ICPMS	123			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-11RE1	B140398	200.8-Be-B-HNO3-ICPMS	123			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1400220-CCVA	1400220	QC	124	1411041	-			
1400220-CCBA	1400220	QC	125		-			
1408020-12RE1	B140398	200.8-Al-B-HNO3-ICPMS	126			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-12RE1	B140398	200.8-Ag-B-HNO3-ICPMS	126			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-12RE1	B140398	200.8-Be-B-HNO3-ICPMS	126			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-12RE1	B140398	Mo-B-HNO3-ICPMS	126			ARD-MV1302	1/1/1980	BatchQC
1408020-12RE1	B140398	200.8-Pb-B-HNO3-ICPMS	126			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
B140398-DUP3	B140398	QC	127		1408020-12RE1			
B140398-MS3	B140398	QC	128		1408020-12RE1			
B140398-MSD3	B140398	QC	129		1408020-12RE1			
1408020-13RE1	B140398	200.8-Ag-B-HNO3-ICPMS	130			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-13RE1	B140398	200.8-Be-B-HNO3-ICPMS	130			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-13RE1	B140398	200.8-Pb-B-HNO3-ICPMS	130			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14

ANALYSIS SEQUENCE

1400220

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-13RE1	B140398	200.8-Al-B-HNO3-ICPMS	130			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-14RE1	B140398	200.8-Ag-B-HNO3-ICPMS	131			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-14RE1	B140398	200.8-Pb-B-HNO3-ICPMS	131			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-14RE1	B140398	200.8-Al-B-HNO3-ICPMS	131			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-14RE1	B140398	200.8-Be-B-HNO3-ICPMS	131			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-15RE1	B140398	200.8-Be-B-HNO3-ICPMS	132			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-15RE1	B140398	200.8-Pb-B-HNO3-ICPMS	132			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-15RE1	B140398	200.8-Al-B-HNO3-ICPMS	132			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-15RE1	B140398	200.8-Ag-B-HNO3-ICPMS	132			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-16RE1	B140398	200.8-Pb-B-HNO3-ICPMS	133			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-16RE1	B140398	200.8-Be-B-HNO3-ICPMS	133			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-16RE1	B140398	200.8-Al-B-HNO3-ICPMS	133			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-16RE1	B140398	200.8-Ag-B-HNO3-ICPMS	133			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-17RE1	B140398	200.8-Ag-B-HNO3-ICPMS	134			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-17RE1	B140398	200.8-Al-B-HNO3-ICPMS	134			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-17RE1	B140398	200.8-Be-B-HNO3-ICPMS	134			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-17RE1	B140398	200.8-Pb-B-HNO3-ICPMS	134			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-18RE1	B140398	200.8-Al-B-HNO3-ICPMS	135			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-18RE1	B140398	200.8-Be-B-HNO3-ICPMS	135			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-18RE1	B140398	200.8-Ag-B-HNO3-ICPMS	135			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-18RE1	B140398	200.8-Pb-B-HNO3-ICPMS	135			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1400220-CCVB	1400220	QC	136	1411041	-			
1400220-CCBB	1400220	QC	137		-			
1408020-19RE1	B140398	200.8-Ag-B-HNO3-ICPMS	138			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-19RE1	B140398	200.8-Pb-B-HNO3-ICPMS	138			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-19RE1	B140398	200.8-Be-B-HNO3-ICPMS	138			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14

ANALYSIS SEQUENCE

1400220

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-19RE1	B140398	200.8-Al-B-HNO3-ICPMS	138			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-20RE1	B140398	200.8-Ag-B-HNO3-ICPMS	139			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-20RE1	B140398	200.8-Pb-B-HNO3-ICPMS	139			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-20RE1	B140398	200.8-Be-B-HNO3-ICPMS	139			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-20RE1	B140398	200.8-Al-B-HNO3-ICPMS	139			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-21RE1	B140398	200.8-Pb-B-HNO3-ICPMS	140			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-21RE1	B140398	200.8-Be-B-HNO3-ICPMS	140			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-21RE1	B140398	200.8-Al-B-HNO3-ICPMS	140			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-21RE1	B140398	200.8-Ag-B-HNO3-ICPMS	140			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-22RE1	B140398	200.8-Ag-B-HNO3-ICPMS	141			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-22RE1	B140398	200.8-Al-B-HNO3-ICPMS	141			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-22RE1	B140398	200.8-Be-B-HNO3-ICPMS	141			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-22RE1	B140398	200.8-Pb-B-HNO3-ICPMS	141			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-23RE1	B140398	200.8-Al-B-HNO3-ICPMS	142			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-23RE1	B140398	200.8-Be-B-HNO3-ICPMS	142			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-23RE1	B140398	200.8-Ag-B-HNO3-ICPMS	142			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-23RE1	B140398	200.8-Pb-B-HNO3-ICPMS	142			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-24RE1	B140398	Mo-B-HNO3-ICPMS	143			ARD-MV1302	1/1/1980	BatchQC
1408020-24RE1	B140398	200.8-Ag-B-HNO3-ICPMS	143			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-24RE1	B140398	200.8-Al-B-HNO3-ICPMS	143			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-24RE1	B140398	200.8-Pb-B-HNO3-ICPMS	143			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
1408020-24RE1	B140398	200.8-Be-B-HNO3-ICPMS	143			ARD-MV1302	3/14/2014	From B140292 by A_R on 03/12/14
B140398-DUP4	B140398	QC	144		1408020-24RE1			
B140398-MS4	B140398	QC	145		1408020-24RE1			
B140398-MSD4	B140398	QC	146		1408020-24RE1			
1400220-CCVC	1400220	QC	147	1411041	-			

ANALYSIS SEQUENCE

1400220

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400220-CCBC	1400220	QC	148		-			
1408011-01RE1	B140398	Mo-B-HNO3-ICPMS	149			MOE-BC1401	3/13/2014	From B140292 by A_R on 03/12/14
1408011-02RE1	B140398	Mo-B-HNO3-ICPMS	150			MOE-BC1401	3/13/2014	From B140292 by A_R on 03/12/14
1408011-03RE1	B140398	Mo-B-HNO3-ICPMS	151			MOE-BC1401	3/13/2014	From B140292 by A_R on 03/12/14
1408011-04RE1	B140398	Mo-B-HNO3-ICPMS	152			MOE-BC1401	3/13/2014	From B140292 by A_R on 03/12/14
1408011-05RE1	B140398	Mo-B-HNO3-ICPMS	153			MOE-BC1401	3/13/2014	From B140292 by A_R on 03/12/14
1408011-06RE1	B140398	Mo-B-HNO3-ICPMS	154			MOE-BC1401	3/13/2014	From B140292 by A_R on 03/12/14
1408011-07RE1	B140398	Mo-B-HNO3-ICPMS	155			MOE-BC1401	3/13/2014	From B140292 by A_R on 03/12/14
1408011-08RE1	B140398	Mo-B-HNO3-ICPMS	156			MOE-BC1401	3/13/2014	From B140292 by A_R on 03/12/14
1400220-CCVD	1400220	QC	157	1411041	-			
1400220-CCBD	1400220	QC	158		-			
1400220-CCVE	1400220	QC	159	1411041	-			
1400220-CCBE	1400220	QC	160		-			
1400220-CCVF	1400220	QC	161	1411041	-			
1400220-CCBF	1400220	QC	162		-			
B140375-BLK1	B140375	QC	163		-			
B140375-BLK2	B140375	QC	164		-			
B140375-BLK3	B140375	QC	165		-			
B140375-BLK4	B140375	QC	166		-			
B140375-BS1	B140375	QC	167		-			
B140375-SRM1	B140375	QC	168		-			
1409008-01	B140375	Zn-FW-Oven-ICPMS-TR	169			CIE-AK1302	3/19/2014	
1409008-01	B140375	Cd-FW-Oven-ICPMS-TR	169			CIE-AK1302	3/19/2014	
1409008-01	B140375	Ni-FW-Oven-ICPMS-TR	169			CIE-AK1302	3/19/2014	
B140375-DUP1	B140375	QC	170		1409008-01			
B140375-MSD1	B140375	QC	171		1409008-01			

ANALYSIS SEQUENCE

1400220

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140375-MS1	B140375	QC	172		1409008-01			
1400220-CCVG	1400220	QC	173	1411041	-			
1400220-CCBG	1400220	QC	174		-			
B140276-BLK1	B140276	QC	175		-			
B140276-BLK2	B140276	QC	176		-			
B140276-BLK3	B140276	QC	177		-			
B140276-BLK4	B140276	QC	178		-			
B140276-BS1	B140276	QC	179		-			
B140276-SRM1	B140276	QC	180		-			
1407034-03	B140276	Cu-FW-Oven-ICPMS-TR	181			SFE-OA1202	3/21/2014	
1407034-03	B140276	Cu-FW-Oven-ICPMS-Diss	181			SFE-OA1202	1/1/1980	BatchQC
B140276-DUP1	B140276	QC	182		1407034-03			
B140276-MS1	B140276	QC	183		1407034-03			
B140276-MSD1	B140276	QC	184		1407034-03			
1407034-04	B140276	Cu-FW-Oven-ICPMS-Diss	185			SFE-OA1202	3/21/2014	
1407034-07	B140276	Cu-FW-Oven-ICPMS-Diss	186			SFE-OA1202	3/21/2014	
1407034-10	B140276	Cu-FW-Oven-ICPMS-Diss	187			SFE-OA1202	3/21/2014	
1407034-13	B140276	Cu-FW-Oven-ICPMS-TR	188			SFE-OA1202	3/21/2014	
1407034-14	B140276	Cu-FW-Oven-ICPMS-Diss	189			SFE-OA1202	3/21/2014	
1407034-17	B140276	Cu-FW-Oven-ICPMS-TR	190			SFE-OA1202	3/21/2014	
1400220-CCVH	1400220	QC	191	1411041	-			
1400220-CCBH	1400220	QC	192		-			
1407034-18	B140276	Cu-FW-Oven-ICPMS-Diss	193			SFE-OA1202	3/21/2014	
1407034-21	B140276	Cu-FW-Oven-ICPMS-TR	194			SFE-OA1202	3/21/2014	
1407034-22	B140276	Cu-FW-Oven-ICPMS-Diss	195			SFE-OA1202	3/21/2014	
1407034-25	B140276	Cu-FW-Oven-ICPMS-Diss	196			SFE-OA1202	1/1/1980	BatchQC

ANALYSIS SEQUENCE

1400220

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1407034-25	B140276	Cu-FW-Oven-ICPMS-TR	196			SFE-OA1202	3/21/2014	
B140276-DUP2	B140276	QC	197		1407034-25			
B140276-MS2	B140276	QC	198		1407034-25			
B140276-MSD2	B140276	QC	199		1407034-25			
1407034-26	B140276	Cu-FW-Oven-ICPMS-Diss	200			SFE-OA1202	3/21/2014	
1400220-CCVI	1400220	QC	201	1411041	-			
1400220-CCBI	1400220	QC	202		-			
1407034-29	B140276	Cu-FW-Oven-ICPMS-TR	203			SFE-OA1202	3/21/2014	
1407034-30	B140276	Cu-FW-Oven-ICPMS-Diss	204			SFE-OA1202	3/21/2014	
1407034-33	B140276	Cu-FW-Oven-ICPMS-TR	205			SFE-OA1202	3/21/2014	
1407034-34	B140276	Cu-FW-Oven-ICPMS-Diss	206			SFE-OA1202	3/21/2014	
1407034-36	B140276	Cu-FW-Oven-ICPMS-TR	207			SFE-OA1202	3/21/2014	
1407034-37	B140276	Cu-FW-Oven-ICPMS-Diss	208			SFE-OA1202	3/21/2014	
1407034-40	B140276	Cu-FW-Oven-ICPMS-TR	209			SFE-OA1202	3/21/2014	
1407034-41	B140276	Cu-FW-Oven-ICPMS-Diss	210			SFE-OA1202	3/21/2014	
1400220-CCVJ	1400220	QC	211	1411041	-			
1400220-CCBJ	1400220	QC	212		-			
1407034-44	B140276	Cu-FW-Oven-ICPMS-TR	213			SFE-OA1202	3/21/2014	
1407034-44	B140276	Cu-FW-Oven-ICPMS-Diss	213			SFE-OA1202	1/1/1980	BatchQC
B140276-DUP3	B140276	QC	214		1407034-44			
B140276-MS3	B140276	QC	215		1407034-44			
B140276-MSD3	B140276	QC	216		1407034-44			
1407034-45	B140276	Cu-FW-Oven-ICPMS-Diss	217			SFE-OA1202	3/21/2014	
1407034-46	B140276	Cu-FW-Oven-ICPMS-Diss	218			SFE-OA1202	3/21/2014	
1407034-47	B140276	Cu-FW-Oven-ICPMS-TR	219			SFE-OA1202	3/21/2014	
1407034-49	B140276	Cu-FW-Oven-ICPMS-TR	220			SFE-OA1202	3/21/2014	

ANALYSIS SEQUENCE

1400220

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400220-CCVK	1400220	QC	221	1411041	-			
1400220-CCBK	1400220	QC	222		-			

ICP-MS Analysis Benchsheet Batch No: Blanks, B140397, 0398, 0401, 0375, 0358, 0276

BR-0060 standard / DRC mode (circle one)

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

Analyst: AR Date: 3/17/2014

Instrument ID: ICP-MS-3 cHNO3 ID: 1406034 cHCl ID: NA

Calibration recorded in LIMS Int Std: 1343007 SEQ: 1400220

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
4		SEQ-ICV2			1341021
1		SEQ-ICB3			
101		SEQ-IBL1			
102		SEQ-IBL2			
103		SEQ-IBL3			
104		SEQ-IBL4			
105		SEQ-SCV1	5x		NIST 1643e 1346032; 1323040
106		SEQ-SCV2	5x		Hardness 1333002; 1333005
107		SEQ-SCV3			Fe-Ca check 1352078; 1352079
108		SEQ-IFA1	200x		1343002
109		SEQ-IFB1	200x		1343001
110		1409008-01test			
10		rinse			
111		TM-2			
112		TM-3			
113		SC-1			
114		SC-2			
115		BWR-1 (uncovered sir			
116		BWR-2 (SH-04)			
117		BWR-3 (SH-03)			
118		Prep Island			
119		SC-2 (Feb)			
120		13-0299-DIW			
121		13-0299-01			
122		13-0299-02			

123		14-0036-DIW			
124		14-0036-01			
125		14-0036-02			
126		14-0036-03			
127		14-0036-04			
128		14-0036-05			
129		14-0036-06			
130		14-0036-07			
131		14-0036-08			
132		14-0037-DIW			
133		14-0037-01			
134		14-0037-02			
135		14-0039-DIW			
136		14-0039-01			
137		14-0040-01			
138		14-0040-02			
139		14-0040-03			
140		14-0040-04			
141		14-0040-05			
142		14-0042-DIW			
143		14-0042-01			
144		14-0043-DIW			
145		14-0043-01			
146		14-0044-DIW			
147		14-0044-01			
148		14-0045-01			
149		14-0045-02			
150		14-0045-03			
151		14-0045-04			
152		14-0045-05			
153		14-0045-06			
154		14-0045-07			
155		14-0045-08			
156		14-0045-09			
157		14-0045-10			
158		14-0045-11			
159		V-HNO3-1	10x	M	
160		V-HNO3-2	10x	M	
201		V-HNO3-3	10x	M	
202		V-HNO3-9	10x	M	
203		V-HNO3-5			
204		V-HNO3-6			
2		SEQ-CCV1			1411041
1		SEQ-CCB1			
205	B140397	B140397-BLK1			
206	B140397	B140397-BLK2			
207	B140397	B140397-BLK3			
208	B140397	B140397-BLK4			
209	B140397	B140397-BS1			
210	B140397	1407040-02RE2			
211	B140397	1407040-03RE2			
212	B140397	1408003-02RE2			

213	B140397	1408003-03RE2			
2		SEQ-CCV2			1411041
1		SEQ-CCB2			
214	B140397	1407040-01RE2			
215	B140397	B140397-DUP1			1407040-01RE2
216	B140397	B140397-DUP2	5x	M	dilution check
217	B140397	B140397-MS1			100µL 1412006 to 5mL
218	B140397	B140397-MSD1			100µL 1412006 to 5mL
219	B140397	1407040-04RE2			
220	B140397	1407040-05RE2			
221	B140397	1407040-06RE2			
222	B140397	1407040-07RE2			
223	B140397	1407040-08RE2			
2		SEQ-CCV3			1411041
1		SEQ-CCB3			
224	B140397	1407040-09RE2			
225	B140397	B140397-DUP3			1407040-09RE2
226	B140397	B140397-DUP4	5x	M	dilution check
227	B140397	B140397-MS2			100µL 1412006 to 5mL
228	B140397	B140397-MSD2			100µL 1412006 to 5mL
229	B140397	1407040-10RE2			
230	B140397	1407040-11RE2			
231	B140397	1407040-12RE2			
232	B140397	1407040-13RE2			
233	B140397	1407040-14RE2			
2		SEQ-CCV4			1411041
1		SEQ-CCB4			
234	B140397	1407040-15RE2			
235	B140397	1407040-16RE2			
236	B140397	1407040-17RE2			
237	B140397	1407040-18RE2			
238	B140397	1408003-01RE2			
239	B140397	1408003-04RE2			
240	B140397	1408003-05RE2			
241	B140397	1408003-06RE2			
2		SEQ-CCV5			1411041
1		SEQ-CCB5			
242	B140397	1408003-07RE2			
243	B140397	B140397-DUP5			1408003-07RE2
244	B140397	B140397-DUP6	5x	M	dilution check
245	B140397	B140397-MS3			100µL 1412006 to 5mL
246	B140397	B140397-MSD3			100µL 1412006 to 5mL
247	B140397	1408003-08RE2			
248	B140397	B140397-DUP7			1408003-08RE2
249	B140397	B140397-DUP8	5x	M	dilution check
250	B140397	B140397-MS4			100µL 1412006 to 5mL
251	B140397	B140397-MSD4			100µL 1412006 to 5mL
2		SEQ-CCV6			1411041
1		SEQ-CCB6			
252	B140397	1408003-09RE2			
253	B140397	1408003-10RE2			
254	B140397	1408003-11RE2			

255	B140397	1408003-12RE2			
256	B140397	1408003-13RE2			
257	B140397	1408003-14RE2			
258	B140397	1408003-15RE2			
259	B140397	1408003-16RE2			
260	B140397	1408003-17RE2			
301	B140397	1408003-18RE2			
2		SEQ-CCV7			1411041
1		SEQ-CCB7			
302	B140398	B140398-BLK1	10x	A	
303	B140398	B140398-BLK2	10x	A	
304	B140398	B140398-BLK3	10x	A	
305	B140398	B140398-BLK4	10x	A	
306	B140398	B140398-BS1	10x	A	
307	B140398	B140398-SRM1	10x	A	
308	B140398	B140398-SRM2	10x	A	
5		SEQ-CCV8			1411041
9		SEQ-CCB8			
309	B140398	1408020-01RE1	10x	A	
310	B140398	B140398-DUP1	10x	A	
311	B140398	B140398-MS1	10x	A	
312	B140398	B140398-MSD1	10x	A	
313	B140398	1408020-02RE1	10x	A	
314	B140398	1408020-03RE1	10x	A	
315	B140398	1408020-04RE1	10x	A	
316	B140398	1408020-05RE1	10x	A	
317	B140398	1408020-06RE1	10x	A	
318	B140398	1408020-07RE1	10x	A	
5		SEQ-CCV9			1411041
9		SEQ-CCB9			
319	B140398	1408020-08RE1	10x	A	
320	B140398	1408020-09RE1	10x	A	
321	B140398	B140398-DUP2	10x	A	
322	B140398	B140398-MS2	10x	A	
323	B140398	B140398-MSD2	10x	A	
324	B140398	1408020-10RE1	10x	A	
325	B140398	1408020-11RE1	10x	A	
5		SEQ-CCVA			1411041
9		SEQ-CCBA			
326	B140398	1408020-12RE1	10x	A	
327	B140398	B140398-DUP3	10x	A	
328	B140398	B140398-MS3	10x	A	
329	B140398	B140398-MSD3	10x	A	
330	B140398	1408020-13RE1	10x	A	
331	B140398	1408020-14RE1	10x	A	
332	B140398	1408020-15RE1	10x	A	
333	B140398	1408020-16RE1	10x	A	
334	B140398	1408020-17RE1	10x	A	
335	B140398	1408020-18RE1	10x	A	
5		SEQ-CCVB			1411041
9		SEQ-CCBB			
336	B140398	1408020-19RE1	10x	A	

337	B140398	1408020-20RE1	10x	A	
338	B140398	1408020-21RE1	10x	A	
339	B140398	1408020-22RE1	10x	A	
340	B140398	1408020-23RE1	10x	A	
341	B140398	1408020-24RE1	10x	A	
342	B140398	B140398-DUP4	10x	A	
343	B140398	B140398-MS4	10x	A	
344	B140398	B140398-MSD4	10x	A	
5		SEQ-CCVC			1411041
9		SEQ-CCBC			
345	B140398	1408011-01RE1	10x	A	
346	B140398	1408011-02RE1	10x	A	
347	B140398	1408011-03RE1	10x	A	
348	B140398	1408011-04RE1	10x	A	
349	B140398	1408011-05RE1	10x	A	
350	B140398	1408011-06RE1	10x	A	
351	B140398	1408011-07RE1	10x	A	
352	B140398	1408011-08RE1	10x	A	
5		SEQ-CCVD			1411041
9		SEQ-CCBD			
353	B140401	B140401-BS1	10x	A	Shares MB/SRMs w/B140398
354	B140401	B140401-BS2	10x	A	
355	B140401	B140401-BS3	10x	A	
356	B140401	B140401-BS4	10x	A	
357	B140401	B140401-BS5	10x	A	
358	B140401	B140401-BS6	10x	A	
359	B140401	B140401-BS7	10x	A	
360	B140401	B140401-BS8	10x	A	
5		SEQ-CCVE			1411041
9		SEQ-CCBE			
401	B140401	B140401-BSD	10x	A	
402	B140401	B140401-BSE	10x	A	
403	B140401	B140401-BSF	10x	A	
404	B140401	B140401-BS9	10x	A	
405	B140401	B140401-BSA	10x	A	
406	B140401	B140401-BSB	10x	A	
407	B140401	B140401-BSC	10x	A	
5		SEQ-CCVF			1411041
9		SEQ-CCBF			
408	B140375	B140375-BLK1			
409	B140375	B140375-BLK2			
410	B140375	B140375-BLK3			
411	B140375	B140375-BLK4			
412	B140375	B140375-BS1			
413	B140375	1409008-01			
414	B140375	B140375-DUP1			1409008-01
415	B140375	B140375-MS1			100µL 1412007 to 5mL
416	B140375	B140375-MSD1			100µL 1412007 to 5mL
6		SEQ-CCVG			1411041
10		SEQ-CCBG			
417	B140276	1407034-03	5x	M	Shares B/BS w/B140397
418	B140276	B140276-DUP1	5x	M	1407034-03

419	B140276	B140276-MS1	5x	M	25µL 1351041 to 5mL
420	B140276	B140276-MSD1	5x	M	25µL 1351041 to 5mL
421	B140276	1407034-04	5x	M	
422	B140276	1407034-07	5x	M	
423	B140276	1407034-10	5x	M	
424	B140276	1407034-13	5x	M	
425	B140276	1407034-14	5x	M	
426	B140276	1407034-17	5x	M	
6		SEQ-CCVH			1411041
10		SEQ-CCBH			
427	B140276	1407034-18	5x	M	
428	B140276	1407034-21	5x	M	
429	B140276	1407034-22	5x	M	
430	B140276	1407034-25	5x	M	
431	B140276	B140276-DUP2	5x	M	1407034-25
432	B140276	B140276-MS2	5x	M	25µL 1351041 to 5mL
433	B140276	B140276-MSD2	5x	M	25µL 1351041 to 5mL
434	B140276	1407034-26	5x	M	
6		SEQ-CCVI			1411041
10		SEQ-CCBI			
435	B140276	1407034-29	5x	M	
436	B140276	1407034-30	5x	M	
437	B140276	1407034-33	5x	M	
438	B140276	1407034-34	5x	M	
439	B140276	1407034-36	5x	M	
440	B140276	1407034-37	5x	M	
441	B140276	1407034-40	5x	M	
442	B140276	1407034-41	5x	M	
6		SEQ-CCVJ			1411041
10		SEQ-CCBJ			
443	B140276	1407034-44	5x	M	
444	B140276	B140276-DUP3	5x	M	1407034-44
445	B140276	B140276-MS3	5x	M	25µL 1351041 to 5mL
446	B140276	B140276-MSD3	5x	M	25µL 1351041 to 5mL
447	B140276	1407034-45	5x	M	
448	B140276	1407034-46	5x	M	
449	B140276	1407034-47	5x	M	
450	B140276	1407034-49	5x	M	
6		SEQ-CCVK			1411041
10		SEQ-CCBK			
451		1410011-01test			
452		1410026-01test			
453		1409002-01test			
454		1409039-01test			
455		1410027-01test	10x	A	
1		rinse			
1		rinse			
1		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 #: B140292, 295, 357, 397 398 Prepared By: NM

Preparation Date and Time*: 3-8-14 11:20

Matrix: Biota Balance ID: BL-03 (3/20/14)

Date and Time of Finished Preparation: 3-10-14 10:11

* Time is when the first reagents are added.

Sample ID	Sample Mass (g)	Notes
BLK1	---	
BLK2	---	
BLK3	---	
BLK4	---	
BS1	---	
3-7-14 NM ~~BS2~~		
SRM1	0.247	
SRM2	0.251	
1408020-01	0.519	
B140292-DUP1	0.518	1408020-01
-MS1	0.500	
-MSD1	0.514	
1408020-02	0.506	
-03	0.524	
-04	0.528	
-05	0.512	
-06	0.520	
-07	0.525	
-08	0.511	
-09	0.501	
B140292 3-7-14 DM ~~B1408020~~ DUP2	0.506	1408020-09
B140292-MS2	0.501	
-MSD2	0.524	
1408020-10	0.520	

Sample ID	Sample Mass (g)	Notes
1408020-11	0.509	
-12	0.497	
B140292-DUP3	0.492	1408020-12
-MS3	0.493	
-MSD3	0.521	
1408020-13	0.521	
-14	0.496	
-15	0.525	
~~B140292-DUP4~~	~~0.504~~	~~1408020-15~~
~~-MS4~~	~~0.511~~	3-7-14 NM
~~-MSD4~~	~~0.509~~	
1408020-16	0.497	
-17	0.534	
-18	0.495	
-19	0.509	
-20	0.535	
-21	0.499	
-22	0.491	
-23	0.497	
-24	0.517	
B140292-DUP4	0.524	1408020-24
-MS4	0.508	
-MSD4	0.502	
1408011-01	0.507	Sample exhausted

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
SEE	ATTACHED			N/A
CLE	3/11/14			Digested/spiked on Sat. no one else was in the lab 3-10-14 NM

Reagents Added (ID/Amount Added)
0.1mL H2O2 1250057
10mL HNO3 1406040

Target Hotblock Temperature = 100 °C
HotBlock Temperature*, Time On / Time Off, Date
100°C 102°C 11:40 3-8-14
15:10 3-8-14
Therm. ID: TH-05 TH-01 Hotblock ID: HB-02 HB-01
* Both measured and corrected temperatures must be recorded.

Environ. Express tube lot #: 1308077

SRM-Matrix-LIMS ID #
SRM 1/2 DORM-4 1329003
SRM 2/4 TORT-3 1327017

Final Dilution Volume 40 mL

Comments:

Trace Metals Method BR-0070 Rev 0036 (ICP-MS)

Biota Preparation by HotBlock Digestion

Digestion by: HNO_3 / H_2O_2

Batch #: B140292
B140295
B140357
B140397 IDOC
B140398 CWB 3/20/14

Sample ID	Sample Mass (g)	Notes
1408011-02	0.510	
-03	0.558	sample exhausted
-04	0.491	
B140292-DUP5	0.484	Hg Only
1408011-05	0.540	Sample exhausted
-06	0.301	
-07	0.536	
-08	0.531	Sample exhausted
B140292-MS5	0.537	Hg Only
-MSD5	0.558	
1402033-04RE2	0.496	
MDL-1		
-2		
-3		
-4		
-5		
-6		
-7		
-8		
LOQ-1		
-2		
-3		
-4		
LOD-1		
-2		
-3		
SRM-3	0.256	DORM-4
SRM-4	0.258	TORT-3

Sample ID	Sample Mass (g)	Notes

B140292, 0295, 0357
biotas

Samples spiked: BS1, MS/D1-4

Spike mix ID: 1411016

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
Al	8.000	40.000	0.4000	1000	1410046
As DRC	0.400	2.000	0.2000	**100**	1347037
Ba	1.600	8.000	0.8000	**100**	1338018
Be	0.900	4.500	0.4500	**100**	1338020
Cd	0.200	1.000	0.1000	**100**	1338023
Co	1.600	8.000	0.8000	**100**	1351036
Cr DRC	1.500	7.500	0.7500	**100**	1351038
Cu	1.600	8.000	0.8000	**100**	1351040
Fe DRC	50.000	250.000	0.2500	**10000**	1345003
Mn	0.400	2.000	0.2000	**100**	1351046
Mo	0.300	1.500	0.1500	**100**	1351048
Pb	0.400	2.000	0.2000	**100**	1351050
Se DRC	1.500	7.500	0.7500	**100**	1338030
Tl	0.080	0.400	0.4000	**10**	1410013
V DRC	1.800	9.000	0.9000	**100**	1338035
Zn	10.000	50.000	0.5000	1000	1351031

3.7.14 µM Add ~~2.35mL~~ 2% HNO3 2.1 mL 2% HNO3

Fake spike ID: 1411017

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

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

Hg spike: 0.100 mL of 1350014 (1000 ng/mL THg)
BS2, MS/MSD5

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\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033
Tuning File: C:\NexIONData\MassCal\Default.tun
Optimization File: C:\NexIONData\Conditions\Default.dac
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Calibration Type: External Calibration

Calibration

	Analyte	Mass	Curve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
	Li	7	Weighted Linear	0.010	0.000	0.999747	0.150000
	Be	9	Weighted Linear	0.002	0.000	0.999786	0.150000
	B	11	Weighted Linear	0.002	-0.000	0.999295	2.000000
	Na	23	Weighted Linear	0.022	0.006	0.999568	15.000000
	Mg	24	Weighted Linear	0.015	0.000	0.999663	15.000000
	Al	27	Weighted Linear	0.020	0.002	0.999736	1.500000
	K	39	Weighted Linear	0.025	0.020	0.999579	15.000000
	Ca	44	Weighted Linear	0.001	0.000	0.999692	30.000000
>	Sc	45	Weighted Linear				
	Ti	47	Weighted Linear	0.002	0.000	0.999781	0.200000
	Ti	48	Weighted Linear	0.017	-0.000	0.999716	0.200000
	V	51	Weighted Linear	0.019	-0.000	0.999735	0.150000
	Cr	52	Weighted Linear	0.016	0.000	0.999474	0.150000
	Cr	53	Weighted Linear	0.002	-0.000	0.999683	0.150000
	Mn	55	Weighted Linear	0.021	0.000	0.999811	0.060000
	Fe	54	Weighted Linear	0.001	-0.001	0.998120	5.000000
	Fe	57	Weighted Linear	0.000	-0.000	0.999349	5.000000
	Co	59	Weighted Linear	0.018	0.000	0.999570	0.100000
	Ni	60	Weighted Linear	0.004	0.000	0.998835	0.200000
	Ni	62	Weighted Linear	0.001	-0.000	0.999155	0.200000
	Cu	65	Weighted Linear	0.004	0.000	0.999389	0.120000
	Cu	63	Weighted Linear	0.009	0.000	0.999695	0.120000
	Zn	66	Weighted Linear	0.002	0.000	0.999392	0.200000
	Zn	68	Weighted Linear	0.001	0.000	0.999323	0.200000
>	Ge	74	Weighted Linear				
	As	75	Weighted Linear	0.002	0.000	0.999680	0.270000
	Se	77	Weighted Linear	0.000	-0.000	0.999725	0.500000
	Se	82	Weighted Linear	0.000	0.000	0.999718	0.500000
	Sr	88	Weighted Linear	0.013	0.000	0.999797	0.050000
	Mo	98	Weighted Linear	0.004	0.000	0.999773	0.030000
	Ag	107	Weighted Linear	0.008	0.000	0.998786	0.020000
	Ag	109	Weighted Linear	0.008	0.000	0.999079	0.020000
	Cd	111	Weighted Linear	0.002	0.000	0.999118	0.020000
	Cd	114	Weighted Linear	0.005	0.000	0.999737	0.020000
>	In	115	Weighted Linear				
	Sn	120	Weighted Linear	0.008	0.000	0.999713	0.150000
	Sb	121	Weighted Linear	0.006	0.000	0.999864	0.020000
	Ba	138	Weighted Linear	0.019	0.000	0.999639	0.050000
>	Tm	169	Weighted Linear				

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Tl	205	Weighted Linear	0.016	0.000	0.999184	0.010000
Pb	208	Weighted Linear	0.022	0.000	0.998918	0.025000
Bi	209	Weighted Linear	0.017	0.000	0.998377	0.050000
Th	232	Weighted Linear	0.023	0.000	0.999575	0.020000
U	238	Weighted Linear	0.023	0.000	0.999382	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, March 17, 2014 16:33:54
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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		1112	60	5.4			ug/L
ê	Be	9		5	3	53.9			ug/L
ê	B	11		429	34	8.0			ug/L
ê	Na	23		18105	343	1.9			ug/L
ê	Mg	24		1090	39	3.6			ug/L
ê	Al	27		4370	489	11.2			ug/L
ê	K	39		864283	3687	0.4			ug/L
ê	Ca	44		5853	64	1.1			ug/L
ê>	Sc	45		1185061	33684	2.8			ug/L
ê	Ti	47		38	6	16.6			ug/L
ê	Ti	48		-200	31	15.4			ug/L
ê	V	51		65	17	25.6			ug/L
ê	Cr	52		13759	428	3.1			ug/L
ê	Cr	53		57	14	24.6			ug/L
ê	Mn	55		789	31	3.9			ug/L
ê	Fe	54		152621	4138	2.7			ug/L
ê	Fe	57		11821	162	1.4			ug/L
ê	Co	59		58	4	6.1			ug/L
ê	Ni	60		10	2	21.2			ug/L
ë	Ni	62		142	13	9.1			ug/L
é	Cu	65		19	8	43.1			ug/L
ê	Cu	63		40	6	14.3			ug/L
ê	Zn	66		62	10	16.3			ug/L
ê	Zn	68		723	15	2.1			ug/L
ê>	Ge	74		1217221	7194	0.6			ug/L
ë	As	75		-151	63	42.1			ug/L
é	Se	77		135	10	7.5			ug/L
ê	Se	82		30	22	74.0			ug/L
ê	Sr	88		152	4	2.7			ug/L
ê	Mo	98		17	5	26.7			ug/L
ê	Ag	107		5	4	80.0			ug/L
ê	Ag	109		9	3	29.0			ug/L
ê	Cd	111		5	2	40.0			ug/L
ê	Cd	114		41	5	12.7			ug/L
ê>	In	115		2433207	32218	1.3			ug/L
ê	Sn	120		150	8	5.0			ug/L

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ê	Sb	121	7	2	28.4	ug/L
ë	Ba	138	62	3	4.1	ug/L
é>	Tm	169	2079972	11909	0.6	ug/L
ê	Tl	205	19	2	8.2	ug/L
ê	Pb	208	233	10	4.5	ug/L
ê	Bi	209	15	2	13.3	ug/L
ê	Th	232	43	4	9.5	ug/L
ë	U	238	3	2	69.3	ug/L
	C	13	41698	330	0.8	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	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 16:38:15
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2020

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CAL1.034
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	2932	71	2.4	0.001526	**0.1483**	ug/L
ê	Be	9	5	280	17	6.1	0.000231	**0.1488**	ug/L
ê	B	11	429	5141	203	3.9	0.003960	**1.9957**	ug/L
ê	Na	23	18105	419187	27473	6.6	0.337154	**14.8697**	ug/L
ê	Mg	24	1090	259511	14721	5.7	0.217256	**14.8926**	ug/L
ê	Al	27	4370	41709	2153	5.2	0.031377	**1.4962**	ug/L
ê	K	39	864283	1328508	15717	1.2	0.387357	**14.9266**	ug/L
ê	Ca	44	5853	28718	1193	4.2	0.019203	**29.9141**	ug/L
ê>	Sc	45	1185061	1189787	7888	0.7	1189786.617740		ug/L
ê	Ti	47	38	434	12	2.9	0.000332	**0.1992**	ug/L
ê	Ti	48	-200	3651	89	2.4	0.003237	**0.1986**	ug/L
ê	V	51	65	3416	165	4.8	0.002818	**0.1492**	ug/L
ê	Cr	52	13759	16783	465	2.8	0.002496	**0.1534**	ug/L
ê	Cr	53	57	369	7	1.8	0.000262	**0.1494**	ug/L
ê	Mn	55	789	2313	133	5.7	0.001278	**0.0597**	ug/L
ê	Fe	54	152621	158971	3222	2.0	0.004821	**4.8384**	ug/L
ê	Fe	57	11821	14272	107	0.8	0.002020	**4.8803**	ug/L
ê	Co	59	58	2225	154	6.9	0.001822	**0.0981**	ug/L
ê	Ni	60	10	972	93	9.5	0.000809	**0.1934**	ug/L
ë	Ni	62	142	281	33	11.8	0.000116	**0.1947**	ug/L
é	Cu	65	19	643	35	5.4	0.000514	**0.1182**	ug/L
ê	Cu	63	40	1462	57	3.9	0.001171	**0.1193**	ug/L
ê	Zn	66	62	729	65	9.0	0.000549	**0.1944**	ug/L
ê	Zn	68	723	1224	22	1.8	0.000414	**0.1950**	ug/L
ê>	Ge	74	1217221	1214870	21705	1.8	1214870.326234		ug/L
ë	As	75	-151	571	82	14.3	0.000593	**0.2721**	ug/L
é	Se	77	135	217	11	5.2	0.000034	**0.4955**	ug/L
ê	Se	82	30	160	16	10.0	0.000054	**0.5085**	ug/L
ê	Sr	88	152	1839	163	8.9	0.000696	**0.0494**	ug/L
ê	Mo	98	17	273	24	8.9	0.000105	**0.0295**	ug/L
ê	Ag	107	5	408	27	6.7	0.000166	**0.0198**	ug/L
ê	Ag	109	9	442	35	7.8	0.000179	**0.0199**	ug/L
ê	Cd	111	5	99	4	4.1	0.000039	**0.0192**	ug/L
ê	Cd	114	41	266	31	11.5	0.000093	**0.0203**	ug/L
ê>	In	115	2433207	2423926	11526	0.5	2423926.001278		ug/L
ê	Sn	120	150	3389	271	8.0	0.001336	**0.1468**	ug/L

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ê	Sb	121	7	314	27	8.5	0.000126	**0.0198**	ug/L
ë	Ba	138	62	2376	98	4.1	0.000955	**0.0491**	ug/L
é>	Tm	169	2079972	2071364	8580	0.4	2071363.710324		ug/L
ê	Tl	205	19	371	23	6.2	0.000170	**0.0098**	ug/L
ê	Pb	208	233	1443	79	5.4	0.000585	**0.0244**	ug/L
ê	Bi	209	15	1908	121	6.3	0.000914	**0.0487**	ug/L
ê	Th	232	43	1009	41	4.1	0.000466	**0.0195**	ug/L
ë	U	238	3	507	21	4.1	0.000243	**0.0098**	ug/L
	C	13	41698	40907	430	1.1	-790.946701		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	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 16:42:35
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2010

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CAL2.035
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	4810	91	1.9	0.003129	**0.3064**	ug/L
ê	Be	9	5	559	19	3.4	0.000469	**0.3019**	ug/L
ê	B	11	429	10047	175	1.7	0.008133	**4.0469**	ug/L
ê	Na	23	18105	834179	6466	0.8	0.690258	**30.7281**	ug/L
ê	Mg	24	1090	527557	4568	0.9	0.445287	**30.5261**	ug/L
ê	Al	27	4370	77769	1259	1.6	0.062083	**3.0354**	ug/L
ê	K	39	864283	1774947	3789	0.2	0.771840	**30.5608**	ug/L
ê	Ca	44	5853	51859	408	0.8	0.038926	**60.8924**	ug/L
ê>	Sc	45	1185061	1182739	25222	2.1	1182738.758058		ug/L
ê	Ti	47	38	817	20	2.5	0.000659	**0.4055**	ug/L
ê	Ti	48	-200	7836	164	2.1	0.006795	**0.4090**	ug/L
ê	V	51	65	6923	196	2.8	0.005799	**0.3045**	ug/L
ê	Cr	52	13759	19228	626	3.3	0.004645	**0.2885**	ug/L
ê	Cr	53	57	700	38	5.5	0.000543	**0.3024**	ug/L
ê	Mn	55	789	3852	72	1.9	0.002592	**0.1216**	ug/L
ê	Fe	54	152621	165685	2142	1.3	0.011326	**10.7358**	ug/L
ê	Fe	57	11821	17059	280	1.6	0.004450	**10.4854**	ug/L
ê	Co	59	58	4558	101	2.2	0.003806	**0.2075**	ug/L
ê	Ni	60	10	2067	63	3.1	0.001739	**0.4264**	ug/L
ë	Ni	62	142	440	9	2.1	0.000252	**0.4208**	ug/L
é	Cu	65	19	1287	36	2.8	0.001043	**0.2476**	ug/L
ê	Cu	63	40	2765	69	2.5	0.002240	**0.2431**	ug/L
ê	Zn	66	62	1228	41	3.3	0.000959	**0.4247**	ug/L
ê	Zn	68	723	1576	53	3.4	0.000702	**0.4242**	ug/L
ê>	Ge	74	1217221	1216651	27176	2.2	1216651.234729		ug/L
ë	As	75	-151	1228	7	0.5	0.001133	**0.5308**	ug/L
é	Se	77	135	303	19	6.3	0.000070	**1.0195**	ug/L
ê	Se	82	30	273	5	1.9	0.000101	**0.9662**	ug/L
ê	Sr	88	152	3554	46	1.3	0.001412	**0.1025**	ug/L
ê	Mo	98	17	549	35	6.4	0.000221	**0.0623**	ug/L
ê	Ag	107	5	782	21	2.6	0.000322	**0.0404**	ug/L
ê	Ag	109	9	848	50	5.9	0.000348	**0.0400**	ug/L
ê	Cd	111	5	211	16	7.6	0.000085	**0.0430**	ug/L
ê	Cd	114	41	469	51	10.8	0.000178	**0.0390**	ug/L
ê>	In	115	2433207	2411120	18809	0.8	2411120.415055		ug/L
ê	Sn	120	150	6632	239	3.6	0.002689	**0.3126**	ug/L

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ê	Sb	121	7	608	45	7.4	0.000249	**0.0408**	ug/L
ë	Ba	138	62	4888	12	0.2	0.002002	**0.1043**	ug/L
é>	Tm	169	2079972	2094282	24315	1.2	2094282.048730		ug/L
ê	Tl	205	19	736	15	2.0	0.000342	**0.0204**	ug/L
ê	Pb	208	233	2719	15	0.6	0.001186	**0.0522**	ug/L
ê	Bi	209	15	3930	28	0.7	0.001869	**0.1045**	ug/L
ê	Th	232	43	2089	54	2.6	0.000977	**0.0418**	ug/L
ë	U	238	3	1036	9	0.8	0.000493	**0.0207**	ug/L
	C	13	41698	41109	176	0.4	-588.704305		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	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 16:46:56
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2002

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CAL3.036
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	19414	264	1.4	0.015135	**1.4901**	ug/L
ê	Be	9	5	2819	97	3.4	0.002330	**1.5021**	ug/L
ê	B	11	429	48435	1296	2.7	0.039741	**19.5828**	ug/L
ê	Na	23	18105	3977119	57905	1.5	3.277673	**146.9324**	ug/L
ê	Mg	24	1090	2638245	40114	1.5	2.183451	**149.6925**	ug/L
ê	Al	27	4370	360997	4255	1.2	0.295209	**14.7212**	ug/L
ê	K	39	864283	5232925	93334	1.8	3.603571	**145.7073**	ug/L
ê	Ca	44	5853	228976	1968	0.9	0.184643	**289.7698**	ug/L
ê>	Sc	45	1185061	1207794	5841	0.5	1207794.450817		ug/L
ê	Ti	47	38	3805	60	1.6	0.003118	**1.9585**	ug/L
ê	Ti	48	-200	39273	767	2.0	0.032686	**1.9395**	ug/L
ê	V	51	65	34258	518	1.5	0.028310	**1.4776**	ug/L
ê	Cr	52	13759	42435	1372	3.2	0.023527	**1.4755**	ug/L
ê	Cr	53	57	3414	46	1.4	0.002779	**1.5183**	ug/L
ê	Mn	55	789	16233	232	1.4	0.012775	**0.6011**	ug/L
ê	Fe	54	152621	221761	5627	2.5	0.054814	**50.1608**	ug/L
ê	Fe	57	11821	38193	703	1.8	0.021649	**50.1500**	ug/L
ê	Co	59	58	22080	373	1.7	0.018233	**1.0033**	ug/L
ê	Ni	60	10	9566	133	1.4	0.007912	**1.9729**	ug/L
ë	Ni	62	142	1602	51	3.2	0.001206	**2.0044**	ug/L
é	Cu	65	19	6065	149	2.5	0.004827	**1.1721**	ug/L
ê	Cu	63	40	12969	361	2.8	0.010322	**1.1801**	ug/L
ê	Zn	66	62	4629	81	1.7	0.003645	**1.9348**	ug/L
ê	Zn	68	723	3977	113	2.8	0.002582	**1.9179**	ug/L
ê>	Ge	74	1217221	1252473	19121	1.5	1252473.224947		ug/L
ë	As	75	-151	6860	100	1.5	0.005603	**2.6727**	ug/L
é	Se	77	135	973	42	4.3	0.000340	**4.9157**	ug/L
ê	Se	82	30	1276	50	3.9	0.000506	**4.9172**	ug/L
ê	Sr	88	152	16663	488	2.9	0.006707	**0.4953**	ug/L
ê	Mo	98	17	2615	24	0.9	0.001056	**0.2999**	ug/L
ê	Ag	107	5	3794	38	1.0	0.001540	**0.2009**	ug/L
ê	Ag	109	9	4259	77	1.8	0.001727	**0.2035**	ug/L
ê	Cd	111	5	995	29	2.9	0.000402	**0.2043**	ug/L
ê	Cd	114	41	2243	35	1.6	0.000895	**0.1971**	ug/L
ê>	In	115	2433207	2461150	37125	1.5	2461149.760890		ug/L
ê	Sn	120	150	30381	582	1.9	0.012283	**1.4884**	ug/L

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ê	Sb	121	7	2881	45	1.6	0.001168	**0.1980**	ug/L
ë	Ba	138	62	22775	331	1.5	0.009229	**0.4852**	ug/L
é>	Tm	169	2079972	2125910	30730	1.4	2125909.881983		ug/L
ê	Tl	205	19	3606	90	2.5	0.001687	**0.1030**	ug/L
ê	Pb	208	233	11940	176	1.5	0.005505	**0.2516**	ug/L
ê	Bi	209	15	18770	263	1.4	0.008822	**0.5104**	ug/L
ê	Th	232	43	9823	156	1.6	0.004600	**0.2000**	ug/L
ë	U	238	3	4992	76	1.5	0.002347	**0.1019**	ug/L
	C	13	41698	41502	243	0.6	-196.238018		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	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 16:51:17
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2001

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CAL4.037
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	38477	489	1.3	0.030267	**2.9822**	ug/L
ê	Be	9	5	5652	59	1.1	0.004580	**2.9534**	ug/L
ê	B	11	429	96079	3409	3.5	0.077551	**38.1667**	ug/L
ê	Na	23	18105	7928567	115184	1.5	6.414604	**287.8163**	ug/L
ê	Mg	24	1090	5210491	43450	0.8	4.224823	**289.6465**	ug/L
ê	Al	27	4370	720080	9528	1.3	0.580269	**29.0102**	ug/L
ê	K	39	864283	9616047	131154	1.4	7.068855	**286.6158**	ug/L
ê	Ca	44	5853	462346	11135	2.4	0.369956	**580.8407**	ug/L
ê>	Sc	45	1185061	1233184	22392	1.8	1233184.050298		ug/L
ê	Ti	47	38	7641	264	3.5	0.006163	**3.8814**	ug/L
ê	Ti	48	-200	80421	2255	2.8	0.065382	**3.8724**	ug/L
ê	V	51	65	68882	716	1.0	0.055813	**2.9109**	ug/L
ê	Cr	52	13759	70820	1077	1.5	0.045821	**2.8769**	ug/L
ê	Cr	53	57	6665	53	0.8	0.005357	**2.9210**	ug/L
ê	Mn	55	789	31582	576	1.8	0.024949	**1.1745**	ug/L
ê	Fe	54	152621	279451	5167	1.8	0.097830	**89.1589**	ug/L
ê	Fe	57	11821	64486	817	1.3	0.042321	**97.8249**	ug/L
ê	Co	59	58	44459	404	0.9	0.036008	**1.9837**	ug/L
ê	Ni	60	10	19800	245	1.2	0.016050	**4.0114**	ug/L
ë	Ni	62	142	3078	120	3.9	0.002377	**3.9472**	ug/L
é	Cu	65	19	12265	213	1.7	0.010044	**2.4469**	ug/L
ê	Cu	63	40	25935	163	0.6	0.021241	**2.4458**	ug/L
ê	Zn	66	62	9021	42	0.5	0.007349	**4.0169**	ug/L
ê	Zn	68	723	6931	162	2.3	0.005092	**3.9129**	ug/L
ê>	Ge	74	1217221	1219213	11620	1.0	1219213.368906		ug/L
ë	As	75	-151	14212	216	1.5	0.011782	**5.6341**	ug/L
é	Se	77	135	1835	11	0.6	0.000686	**9.9132**	ug/L
ê	Se	82	30	2596	15	0.6	0.001036	**10.0843**	ug/L
ê	Sr	88	152	33271	731	2.2	0.013375	**0.9899**	ug/L
ê	Mo	98	17	5154	104	2.0	0.002074	**0.5898**	ug/L
ê	Ag	107	5	7815	280	3.6	0.003153	**0.4137**	ug/L
ê	Ag	109	9	8534	177	2.1	0.003442	**0.4069**	ug/L
ê	Cd	111	5	1889	47	2.5	0.000761	**0.3870**	ug/L
ê	Cd	114	41	4498	45	1.0	0.001800	**0.3967**	ug/L
ê>	In	115	2433207	2476378	24901	1.0	2476377.828382		ug/L
ê	Sn	120	150	61350	154	0.3	0.024714	**3.0120**	ug/L

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ê	Sb	121	7	5767	139	2.4	0.002326	**0.3959**	ug/L
ë	Ba	138	62	46431	570	1.2	0.018724	**0.9856**	ug/L
é>	Tm	169	2079972	2135247	39747	1.9	2135247.122036		ug/L
ê	Tl	205	19	7174	251	3.5	0.003351	**0.2053**	ug/L
ê	Pb	208	233	23984	413	1.7	0.011121	**0.5110**	ug/L
ê	Bi	209	15	38171	630	1.7	0.017871	**1.0387**	ug/L
ê	Th	232	43	19922	362	1.8	0.009310	**0.4056**	ug/L
ë	U	238	3	10000	137	1.4	0.004682	**0.2043**	ug/L
	C	13	41698	41466	399	1.0	-232.005991		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	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 16:55:38
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3020

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CAL5.038
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	31586	1195	3.8	0.025831	**2.5448**	ug/L
ê	Be	9	5	1903	70	3.7	0.001609	**1.0370**	ug/L
ê	B	11	429	121635	4849	4.0	0.102726	**50.5406**	ug/L
ê	Na	23	18105	27084192	819462	3.0	22.939097	**1029.9538**	ug/L
ê	Mg	24	1090	35558072	1484599	4.2	30.135038	**2066.0189**	ug/L
ê	Al	27	4370	12101741	516659	4.3	10.252669	**513.8519**	ug/L
ê	K	39	864283	30764960	689862	2.2	25.344490	**1029.7565**	ug/L
ê	Ca	44	5853	1529727	76606	5.0	1.291521	**2028.3403**	ug/L
ê>	Sc	45	1185061	1179893	1932	0.2	1179892.861377		ug/L
ê	Ti	47	38	18949	713	3.8	0.016027	**10.1102**	ug/L
ê	Ti	48	-200	201714	9040	4.5	0.171120	**10.1234**	ug/L
ê	V	51	65	116361	4549	3.9	0.098562	**5.1385**	ug/L
ê	Cr	52	13759	503076	26713	5.3	0.414752	**26.0688**	ug/L
ê	Cr	53	57	56173	2400	4.3	0.047559	**25.8767**	ug/L
ê	Mn	55	789	643106	23775	3.7	0.544372	**25.6367**	ug/L
ê	Fe	54	152621	830665	28326	3.4	0.575213	**521.9428**	ug/L
ê	Fe	57	11821	277719	14424	5.2	0.225392	**520.0360**	ug/L
ê	Co	59	58	109758	3161	2.9	0.092973	**5.1259**	ug/L
ê	Ni	60	10	49246	1636	3.3	0.041729	**10.4443**	ug/L
ë	Ni	62	142	7563	248	3.3	0.006290	**10.4435**	ug/L
é	Cu	65	19	51323	2428	4.7	0.041759	**10.1959**	ug/L
ê	Cu	63	40	107442	3046	2.8	0.087404	**10.1153**	ug/L
ê	Zn	66	62	109567	4895	4.5	0.089122	**49.9840**	ug/L
ê	Zn	68	723	78556	3918	5.0	0.063329	**50.2000**	ug/L
ê>	Ge	74	1217221	1229258	25384	2.1	1229257.610457		ug/L
ë	As	75	-151	25153	885	3.5	0.020589	**9.8549**	ug/L
é	Se	77	135	1852	73	4.0	0.000699	**10.1078**	ug/L
ê	Se	82	30	2567	56	2.2	0.001033	**10.0605**	ug/L
ê	Sr	88	152	333686	12280	3.7	0.135865	**10.0757**	ug/L
ê	Mo	98	17	42806	1868	4.4	0.017429	**4.9596**	ug/L
ê	Ag	107	5	38892	822	2.1	0.015843	**2.0869**	ug/L
ê	Ag	109	9	42658	1352	3.2	0.017374	**2.0587**	ug/L
ê	Cd	111	5	4804	145	3.0	0.001955	**0.9952**	ug/L
ê	Cd	114	41	11341	422	3.7	0.004603	**1.0148**	ug/L
ê>	In	115	2433207	2454400	29505	1.2	2454400.377838		ug/L
ê	Sn	120	150	50887	1544	3.0	0.020669	**2.5162**	ug/L

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ê	Sb	121	7	14567	664	4.6	0.005931	**1.0124**	ug/L
ë	Ba	138	62	1158227	46258	4.0	0.471767	**24.8627**	ug/L
é>	Tm	169	2079972	2126921	9646	0.5	2126921.040427		ug/L
ê	Tl	205	19	17685	428	2.4	0.008305	**0.5097**	ug/L
ê	Pb	208	233	119577	4575	3.8	0.056103	**2.5887**	ug/L
ê	Bi	209	15	380266	12482	3.3	0.178765	**10.4326**	ug/L
ê	Th	232	43	24533	1098	4.5	0.011513	**0.5017**	ug/L
ë	U	238	3	24578	1047	4.3	0.011553	**0.5053**	ug/L
	C	13	41698	40967	296	0.7	-731.111195		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	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 16:59:59
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3010

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CAL6.039
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	63752	863	1.4	0.052165	**5.1413**	ug/L
ê	Be	9	5	3750	71	1.9	0.003120	**2.0118**	ug/L
ê	B	11	429	247163	2836	1.1	0.205519	**101.0644**	ug/L
ê	Na	23	18105	54963419	563997	1.0	45.770397	**2055.3387**	ug/L
ê	Mg	24	1090	71832834	1287097	1.8	59.833334	**4102.0976**	ug/L
ê	Al	27	4370	24494569	349521	1.4	20.399612	**1022.4808**	ug/L
ê	K	39	864283	61458044	722449	1.2	50.466173	**2051.2776**	ug/L
ê	Ca	44	5853	3149148	23308	0.7	2.618595	**4112.7709**	ug/L
ê>	Sc	45	1185061	1200525	14122	1.2	1200525.483887		ug/L
ê	Ti	47	38	39172	304	0.8	0.032600	**20.5758**	ug/L
ê	Ti	48	-200	405184	6739	1.7	0.337662	**19.9689**	ug/L
ê	V	51	65	229669	2935	1.3	0.191251	**9.9687**	ug/L
ê	Cr	52	13759	984232	9898	1.0	0.808300	**50.8081**	ug/L
ê	Cr	53	57	112355	437	0.4	0.093546	**50.8911**	ug/L
ê	Mn	55	789	1299686	29361	2.3	1.081931	**50.9531**	ug/L
ê	Fe	54	152621	1529968	19103	1.2	1.145815	**1039.2370**	ug/L
ê	Fe	57	11821	542479	11611	2.1	0.441867	**1019.2855**	ug/L
ê	Co	59	58	222833	3862	1.7	0.185565	**10.2332**	ug/L
ê	Ni	60	10	98797	1151	1.2	0.082294	**20.6061**	ug/L
ë	Ni	62	142	14971	278	1.9	0.012351	**20.5055**	ug/L
é	Cu	65	19	102584	2590	2.5	0.085063	**20.7766**	ug/L
ê	Cu	63	40	215027	2059	1.0	0.178297	**20.6515**	ug/L
ê	Zn	66	62	219222	3374	1.5	0.181756	**102.0562**	ug/L
ê	Zn	68	723	157648	1390	0.9	0.130154	**103.3132**	ug/L
ê>	Ge	74	1217221	1205803	7090	0.6	1205802.973980		ug/L
ë	As	75	-151	50655	289	0.6	0.042135	**20.1805**	ug/L
é	Se	77	135	3612	78	2.2	0.001433	**20.7037**	ug/L
ê	Se	82	30	5180	88	1.7	0.002121	**20.6612**	ug/L
ê	Sr	88	152	674086	7221	1.1	0.277600	**20.5891**	ug/L
ê	Mo	98	17	86978	1246	1.4	0.035815	**10.1920**	ug/L
ê	Ag	107	5	76778	447	0.6	0.031623	**4.1675**	ug/L
ê	Ag	109	9	86178	1110	1.3	0.035486	**4.2062**	ug/L
ê	Cd	111	5	9706	47	0.5	0.003996	**2.0344**	ug/L
ê	Cd	114	41	22848	85	0.4	0.009394	**2.0711**	ug/L
ê>	In	115	2433207	2428326	38735	1.6	2428325.869365		ug/L
ê	Sn	120	150	100855	1618	1.6	0.041476	**5.0664**	ug/L

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ê	Sb	121	7	29028	328	1.1	0.011952	**2.0421**	ug/L
ë	Ba	138	62	2361246	22557	1.0	0.972454	**51.2508**	ug/L
é>	Tm	169	2079972	2132556	23435	1.1	2132555.711457		ug/L
ê	Tl	205	19	35673	276	0.8	0.016721	**1.0267**	ug/L
ê	Pb	208	233	238975	1049	0.4	0.111955	**5.1684**	ug/L
ê	Bi	209	15	752407	3640	0.5	0.352831	**20.5955**	ug/L
ê	Th	232	43	49841	447	0.9	0.023352	**1.0186**	ug/L
ë	U	238	3	49761	283	0.6	0.023333	**1.0215**	ug/L
	C	13	41698	41547	262	0.6	-150.772586		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	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 17:04:19
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3002

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CAL7.040
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	295423	4617	1.6	0.246247	**24.2779**	ug/L
ê	Be	9	5	18140	108	0.6	0.015176	**9.7867**	ug/L
ê	B	11	429	1180082	12990	1.1	0.987247	**485.2920**	ug/L
ê	Na	23	18105	260166361	2055240	0.8	217.683353	**9776.1842**	ug/L
ê	Mg	24	1090	340553029	6327979	1.9	284.959555	**19536.4743**	ug/L
ê	Al	27	4370	117581688	2375834	2.0	98.379411	**4931.3207**	ug/L
ê	K	39	864283	292954237	4505102	1.5	244.415897	**9937.8401**	ug/L
ê	Ca	44	5853	15213737	240630	1.6	12.724028	**19985.3466**	ug/L
ê>	Sc	45	1185061	1195316	25873	2.2	1195316.396289		ug/L
ê	Ti	47	38	188309	1096	0.6	0.157568	**99.4906**	ug/L
ê	Ti	48	-200	2057962	66748	3.2	1.722602	**101.8427**	ug/L
ê	V	51	65	1128968	13912	1.2	0.944730	**49.2334**	ug/L
ê	Cr	52	13759	4793764	4773	0.1	4.000054	**251.4494**	ug/L
ê	Cr	53	57	530761	3855	0.7	0.444110	**241.5807**	ug/L
ê	Mn	55	789	6253626	174549	2.8	5.233319	**246.4629**	ug/L
ê	Fe	54	152621	6691277	107908	1.6	5.469885	**4959.3369**	ug/L
ê	Fe	57	11821	2529790	41736	1.6	2.106869	**4859.2260**	ug/L
ê	Co	59	58	1053165	16924	1.6	0.881175	**48.6026**	ug/L
ê	Ni	60	10	458317	10447	2.3	0.383499	**96.0603**	ug/L
ë	Ni	62	142	69340	1142	1.6	0.057917	**96.1456**	ug/L
é	Cu	65	19	463144	6178	1.3	0.388172	**94.8370**	ug/L
ê	Cu	63	40	996782	26382	2.6	0.835307	**96.8113**	ug/L
ê	Zn	66	62	1028514	20114	2.0	0.861992	**484.4380**	ug/L
ê	Zn	68	723	738819	16281	2.2	0.618610	**491.5419**	ug/L
ê>	Ge	74	1217221	1193510	35587	3.0	1193509.641943		ug/L
ë	As	75	-151	241346	3458	1.4	0.202403	**96.9868**	ug/L
é	Se	77	135	16284	479	2.9	0.006710	**96.9599**	ug/L
ê	Se	82	30	24314	442	1.8	0.010093	**98.3907**	ug/L
ê	Sr	88	152	3197945	41883	1.3	1.328838	**98.5662**	ug/L
ê	Mo	98	17	418574	9539	2.3	0.173908	**49.4917**	ug/L
ê	Ag	107	5	350184	4003	1.1	0.145557	**19.1902**	ug/L
ê	Ag	109	9	387239	4587	1.2	0.160913	**19.0776**	ug/L
ê	Cd	111	5	45584	548	1.2	0.018941	**9.6451**	ug/L
ê	Cd	114	41	107080	274	0.3	0.044486	**9.8091**	ug/L
ê>	In	115	2433207	2406684	46112	1.9	2406684.063816		ug/L
ê	Sn	120	150	480403	6115	1.3	0.199574	**24.4428**	ug/L

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ê	Sb	121	7	138794	1669	1.2	0.057673	**9.8606**	ug/L
ë	Ba	138	62	11268427	65172	0.6	4.683013	**246.8115**	ug/L
é>	Tm	169	2079972	2149298	39187	1.8	2149298.089555		ug/L
ê	Tl	205	19	167068	1140	0.7	0.077741	**4.7758**	ug/L
ê	Pb	208	233	1107997	8698	0.8	0.515506	**23.8078**	ug/L
ê	Bi	209	15	3444218	25154	0.7	1.602881	**93.5805**	ug/L
ê	Th	232	43	238410	3841	1.6	0.110911	**4.8409**	ug/L
ë	U	238	3	235066	1667	0.7	0.109383	**4.7917**	ug/L
	C	13	41698	41086	212	0.5	-611.435902		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	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 17:08:40
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3001

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CAL8.041
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	565034	4791	0.8	0.499703	**49.2688**	ug/L
ê	Be	9	5	34818	528	1.5	0.030841	**19.8892**	ug/L
ê	B	11	429	2445352	36843	1.5	2.166829	**1065.0697**	ug/L
ê	Na	23	18105	507833743	7803918	1.5	449.888832	**20204.8493**	ug/L
ê	Mg	24	1090	652573292	11011362	1.7	578.089227	**39633.0839**	ug/L
ê	Al	27	4370	226557326	6807240	3.0	200.661608	**10058.3503**	ug/L
ê	K	39	864283	561792640	13060331	2.3	496.910334	**20205.0017**	ug/L
ê	Ca	44	5853	29115157	977458	3.4	25.782120	**40495.6567**	ug/L
ê>	Sc	45	1185061	1129049	30337	2.7	1129048.677382		ug/L
ê	Ti	47	38	359629	7394	2.1	0.318540	**201.1423**	ug/L
ê	Ti	48	-200	3885527	126447	3.3	3.441778	**203.4757**	ug/L
ê	V	51	65	2222193	66718	3.0	1.968057	**102.5604**	ug/L
ê	Cr	52	13759	9071996	388225	4.3	8.021185	**504.2272**	ug/L
ê	Cr	53	57	1028449	26206	2.5	0.910889	**495.4858**	ug/L
ê	Mn	55	789	11768085	245970	2.1	10.423668	**490.9026**	ug/L
ê	Fe	54	152621	12459896	276259	2.2	10.907980	**9889.3846**	ug/L
ê	Fe	57	11821	4724450	80911	1.7	4.175230	**9629.4207**	ug/L
ê	Co	59	58	1976985	15020	0.8	1.751615	**96.6156**	ug/L
ê	Ni	60	10	849263	21629	2.5	0.752211	**188.4256**	ug/L
ë	Ni	62	142	129966	2943	2.3	0.115000	**190.9058**	ug/L
é	Cu	65	19	870963	13637	1.6	0.802408	**196.0495**	ug/L
ê	Cu	63	40	1832286	19282	1.1	1.688082	**195.6639**	ug/L
ê	Zn	66	62	1941389	12764	0.7	1.788645	**1005.3375**	ug/L
ê	Zn	68	723	1376454	22777	1.7	1.267510	**1007.2929**	ug/L
ê>	Ge	74	1217221	1085448	14769	1.4	1085447.832798		ug/L
ë	As	75	-151	458173	6852	1.5	0.422255	**202.3477**	ug/L
é	Se	77	135	31657	1252	4.0	0.013832	**199.8699**	ug/L
ê	Se	82	30	46872	984	2.1	0.020552	**200.3702**	ug/L
ê	Sr	88	152	6040853	93016	1.5	2.650278	**196.5857**	ug/L
ê	Mo	98	17	798036	28693	3.6	0.350120	**99.6399**	ug/L
ê	Ag	107	5	631763	6331	1.0	0.277186	**36.5460**	ug/L
ê	Ag	109	9	717750	10868	1.5	0.314897	**37.3348**	ug/L
ê	Cd	111	5	89261	622	0.7	0.039161	**19.9427**	ug/L
ê	Cd	114	41	207476	4611	2.2	0.091007	**20.0671**	ug/L
ê>	In	115	2433207	2279205	18937	0.8	2279204.635378		ug/L
ê	Sn	120	150	916643	10314	1.1	0.402109	**49.2654**	ug/L

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ê	Sb	121	7	263913	1563	0.6	0.115791	**19.7992**	ug/L
ë	Ba	138	62	21885900	256051	1.2	9.602236	**506.0734**	ug/L
é>	Tm	169	2079972	2071450	14424	0.7	2071450.166251		ug/L
ê	Tl	205	19	315780	2727	0.9	0.152434	**9.3649**	ug/L
ê	Pb	208	233	2086183	23110	1.1	1.006989	**46.5086**	ug/L
ê	Bi	209	15	6483712	117351	1.8	3.129866	**182.7346**	ug/L
ê	Th	232	43	462478	11691	2.5	0.223224	**9.7438**	ug/L
ë	U	238	3	450920	10133	2.2	0.217667	**9.5362**	ug/L
	C	13	41698	40994	334	0.8	-703.698834		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	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	
|	Tl	205	
|	Pb	208	
|	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, March 17, 2014 17:13:01
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB2.042
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	917	21	2.3	-0.000168	**-0.0188**	ug/L
ê	Be	9	5	3	1	33.3	-0.000001	**-0.0014**	ug/L
ê	B	11	429	4518	1155	25.6	0.003432	**1.7363**	ug/L
ê	Na	23	18105	31126	6063	19.5	0.010867	**0.2157**	ug/L
ê	Mg	24	1090	3117	1505	48.3	0.001701	**0.1144**	ug/L
ê	Al	27	4370	4571	480	10.5	0.000152	**-0.0689**	ug/L
ê	K	39	864283	847970	6045	0.7	-0.017214	**-1.5244**	ug/L
ê	Ca	44	5853	5934	96	1.6	0.000045	**-0.1782**	ug/L
ê>	Sc	45	1185061	1190986	15645	1.3	1190986.082311		ug/L
ê	Ti	47	38	45	8	18.5	0.000006	**-0.0069**	ug/L
ê	Ti	48	-200	-167	22	13.4	0.000028	**0.0089**	ug/L
ê	V	51	65	61	11	18.0	-0.000003	**0.0022**	ug/L
ê	Cr	52	13759	14348	308	2.1	0.000438	**0.0241**	ug/L
ê	Cr	53	57	60	15	24.5	0.000002	**0.0079**	ug/L
ê	Mn	55	789	832	49	5.8	0.000032	**0.0010**	ug/L
ê	Fe	54	152621	152407	2071	1.4	-0.000809	**-0.2652**	ug/L
ê	Fe	57	11821	11546	212	1.8	-0.000279	**-0.4220**	ug/L
ê	Co	59	58	55	10	17.2	-0.000002	**-0.0026**	ug/L
ê	Ni	60	10	17	6	32.2	0.000006	**-0.0077**	ug/L
ë	Ni	62	142	152	12	7.6	0.000007	**0.0140**	ug/L
é	Cu	65	19	22	6	28.4	0.000003	**-0.0066**	ug/L
ê	Cu	63	40	63	9	14.7	0.000020	**-0.0142**	ug/L
ê	Zn	66	62	93	15	15.8	0.000026	**-0.0995**	ug/L
ê	Zn	68	723	795	31	3.9	0.000063	**-0.0844**	ug/L
ê>	Ge	74	1217221	1211472	17489	1.4	1211472.065062		ug/L
ë	As	75	-151	-157	43	27.6	-0.000006	**-0.0150**	ug/L
é	Se	77	135	136	9	6.6	0.000001	**0.0115**	ug/L
ê	Se	82	30	20	11	52.0	-0.000004	**-0.0551**	ug/L
ê	Sr	88	152	170	14	8.0	0.000007	**-0.0017**	ug/L
ê	Mo	98	17	49	6	12.5	0.000013	**0.0032**	ug/L
ê	Ag	107	5	21	5	25.2	0.000007	**-0.0012**	ug/L
ê	Ag	109	9	16	11	65.5	0.000003	**-0.0009**	ug/L
ê	Cd	111	5	2	1	24.7	-0.000001	**-0.0010**	ug/L
ê	Cd	114	41	37	6	17.4	-0.000002	**-0.0005**	ug/L
ê>	In	115	2433207	2434743	19839	0.8	2434743.255737		ug/L
ê	Sn	120	150	184	17	9.5	0.000014	**-0.0153**	ug/L

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ê	Sb	121	7	24	2	6.3	0.000007	**-0.0006**	ug/L
ë	Ba	138	62	140	61	43.7	0.000032	**0.0005**	ug/L
é>	Tm	169	2079972	2097285	27412	1.3	2097285.452434		ug/L
ê	Tl	205	19	16	5	31.4	-0.000001	**-0.0007**	ug/L
ê	Pb	208	233	275	14	5.1	0.000019	**-0.0017**	ug/L
ê	Bi	209	15	79	33	41.6	0.000030	**-0.0029**	ug/L
ê	Th	232	43	93	15	15.5	0.000024	**0.0002**	ug/L
ë	U	238	3	4	4	109.0	0.000000	**-0.0009**	ug/L
	C	13	41698	41543	280	0.7	-155.118313		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	100.500
⎢	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	99.528
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	100.063
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	100.832
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 17:20:23
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 4

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICV1.043
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	152634	680	0.4	0.125893	**12.4109**	ug/L
ê	Be	9	5	1883	12	0.6	0.001561	**1.0064**	ug/L
ê	B	11	429	120484	1355	1.1	0.099764	**49.0847**	ug/L
ê	Na	23	18105	12865452	228610	1.8	10.676383	**479.2186**	ug/L
ê	Mg	24	1090	3461736	21811	0.6	2.875846	**197.1622**	ug/L
ê	Al	27	4370	1205946	16885	1.4	0.998358	**49.9674**	ug/L
ê	K	39	864283	3786946	23673	0.6	2.417692	**97.4859**	ug/L
ê	Ca	44	5853	757673	7132	0.9	0.624717	**980.9929**	ug/L
ê>	Sc	45	1185061	1203612	18589	1.5	1203612.392114		ug/L
ê	Ti	47	38	9400	147	1.6	0.007780	**4.9025**	ug/L
ê	Ti	48	-200	99330	2166	2.2	0.082725	**4.8977**	ug/L
ê	V	51	65	119339	2763	2.3	0.099135	**5.1684**	ug/L
ê	Cr	52	13759	254019	2697	1.1	0.199473	**12.5358**	ug/L
ê	Cr	53	57	27846	677	2.4	0.023091	**12.5670**	ug/L
ê	Mn	55	789	64786	228	0.4	0.053168	**2.5034**	ug/L
ê	Fe	54	152621	494149	3324	0.7	0.281829	**255.9678**	ug/L
ê	Fe	57	11821	143428	487	0.3	0.109210	**252.0893**	ug/L
ê	Co	59	58	55103	908	1.6	0.045747	**2.5209**	ug/L
ê	Ni	60	10	24013	398	1.7	0.019947	**4.9878**	ug/L
ë	Ni	62	142	3845	87	2.3	0.003075	**5.1072**	ug/L
é	Cu	65	19	25569	396	1.5	0.020907	**5.1011**	ug/L
ê	Cu	63	40	54493	1143	2.1	0.044558	**5.1487**	ug/L
ê	Zn	66	62	11074	243	2.2	0.009010	**4.9502**	ug/L
ê	Zn	68	723	8559	94	1.1	0.006410	**4.9607**	ug/L
ê>	Ge	74	1217221	1222133	12306	1.0	1222133.425504		ug/L
ë	As	75	-151	12946	122	0.9	0.010718	**5.1242**	ug/L
é	Se	77	135	1856	31	1.7	0.000706	**10.2107**	ug/L
ê	Se	82	30	2609	70	2.7	0.001058	**10.3020**	ug/L
ê	Sr	88	152	164793	1022	0.6	0.067552	**5.0085**	ug/L
ê	Mo	98	17	4231	139	3.3	0.001729	**0.4916**	ug/L
ê	Ag	107	5	16963	335	2.0	0.006958	**0.9154**	ug/L
ê	Ag	109	9	19019	203	1.1	0.007799	**0.9235**	ug/L
ê	Cd	111	5	2367	51	2.1	0.000969	**0.4930**	ug/L
ê	Cd	114	41	5542	148	2.7	0.002257	**0.4975**	ug/L
ê>	In	115	2433207	2437414	17913	0.7	2437413.822437		ug/L
ê	Sn	120	150	52072	381	0.7	0.021303	**2.5940**	ug/L

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ê	Sb	121	7	14502	211	1.5	0.005947	**1.0152**	ug/L
ë	Ba	138	62	113722	343	0.3	0.046633	**2.4565**	ug/L
é>	Tm	169	2079972	2114618	9783	0.5	2114617.986203		ug/L
ê	Tl	205	19	8832	240	2.7	0.004167	**0.2554**	ug/L
ê	Pb	208	233	116207	826	0.7	0.054843	**2.5305**	ug/L
ê	Bi	209	15	92971	379	0.4	0.043960	**2.5619**	ug/L
ê	Th	232	43	24569	199	0.8	0.011598	**0.5055**	ug/L
ë	U	238	3	24630	449	1.8	0.011646	**0.5094**	ug/L
	C	13	41698	40843	434	1.1	-855.129862		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	101.565
|	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	100.404
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	100.173
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	101.666
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICV2
Sample Description:
Batch ID:

Sample Date/Time: Monday, March 17, 2014 17:35:25
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 4

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICV2.044
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	151582	122	0.1	0.125513	**12.3734**	ug/L
ê	Be	9	5	1835	60	3.2	0.001527	**0.9844**	ug/L
ê	B	11	429	118106	2591	2.2	0.098153	**48.2929**	ug/L
ê	Na	23	18105	13082460	145284	1.1	10.897110	**489.1317**	ug/L
ê	Mg	24	1090	3488743	31692	0.9	2.909463	**199.4670**	ug/L
ê	Al	27	4370	1205343	10569	0.9	1.001803	**50.1401**	ug/L
ê	K	39	864283	3752480	54103	1.4	2.400847	**96.8010**	ug/L
ê	Ca	44	5853	761627	8889	1.2	0.630355	**989.8480**	ug/L
ê>	Sc	45	1185061	1198880	15178	1.3	1198879.832200		ug/L
ê	Ti	47	38	9613	129	1.3	0.007987	**5.0329**	ug/L
ê	Ti	48	-200	101019	2193	2.2	0.084439	**4.9990**	ug/L
ê	V	51	65	116127	1126	1.0	0.096824	**5.0480**	ug/L
ê	Cr	52	13759	255851	3832	1.5	0.201806	**12.6825**	ug/L
ê	Cr	53	57	28236	193	0.7	0.023506	**12.7931**	ug/L
ê	Mn	55	789	64483	147	0.2	0.053127	**2.5015**	ug/L
ê	Fe	54	152621	485001	8910	1.8	0.275788	**250.4907**	ug/L
ê	Fe	57	11821	143284	1903	1.3	0.109559	**252.8939**	ug/L
ê	Co	59	58	55262	64	0.1	0.046051	**2.5377**	ug/L
ê	Ni	60	10	23944	160	0.7	0.019966	**4.9925**	ug/L
ë	Ni	62	142	3834	102	2.7	0.003079	**5.1123**	ug/L
é	Cu	65	19	25681	340	1.3	0.020927	**5.1059**	ug/L
ê	Cu	63	40	55387	237	0.4	0.045139	**5.2160**	ug/L
ê	Zn	66	62	11102	117	1.0	0.009005	**4.9474**	ug/L
ê	Zn	68	723	8676	103	1.2	0.006481	**5.0167**	ug/L
ê>	Ge	74	1217221	1226433	20185	1.6	1226432.739033		ug/L
ë	As	75	-151	12638	507	4.0	0.010427	**4.9847**	ug/L
é	Se	77	135	1873	23	1.3	0.000714	**10.3217**	ug/L
ê	Se	82	30	2485	105	4.2	0.001008	**9.8094**	ug/L
ê	Sr	88	152	163002	1438	0.9	0.066889	**4.9594**	ug/L
ê	Mo	98	17	4258	100	2.4	0.001742	**0.4952**	ug/L
ê	Ag	107	5	16823	272	1.6	0.006909	**0.9089**	ug/L
ê	Ag	109	9	18438	216	1.2	0.007569	**0.8961**	ug/L
ê	Cd	111	5	2378	51	2.1	0.000975	**0.4961**	ug/L
ê	Cd	114	41	5490	67	1.2	0.002238	**0.4934**	ug/L
ê>	In	115	2433207	2435425	48120	2.0	2435425.490673		ug/L
ê	Sn	120	150	51895	876	1.7	0.021248	**2.5872**	ug/L

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ê	Sb	121	7	14461	245	1.7	0.005935	**1.0131**	ug/L
ë	Ba	138	62	115066	734	0.6	0.047233	**2.4882**	ug/L
é>	Tm	169	2079972	2116355	15110	0.7	2116354.622638		ug/L
ê	Tl	205	19	8714	82	0.9	0.004109	**0.2518**	ug/L
ê	Pb	208	233	116700	27	0.0	0.055032	**2.5392**	ug/L
ê	Bi	209	15	93367	1120	1.2	0.044110	**2.5707**	ug/L
ê	Th	232	43	24390	317	1.3	0.011504	**0.5014**	ug/L
ë	U	238	3	24937	575	2.3	0.011781	**0.5153**	ug/L
	C	13	41698	40635	282	0.7	-1062.723127		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	101.166
⎢	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	100.757
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	100.091
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	101.749
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 17:47:18
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB3.045
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	883	20	2.2	-0.000215	**-0.0234**	ug/L
ê	Be	9	5	2	2	86.6	-0.000002	**-0.0019**	ug/L
ê	B	11	429	628	17	2.7	0.000152	**0.1241**	ug/L
ê	Na	23	18105	20684	467	2.3	0.001661	**-0.1978**	ug/L
ê	Mg	24	1090	1389	37	2.6	0.000217	**0.0127**	ug/L
ê	Al	27	4370	5034	55	1.1	0.000435	**-0.0548**	ug/L
ê	K	39	864283	857475	6003	0.7	-0.027222	**-1.9314**	ug/L
ê	Ca	44	5853	5876	108	1.8	-0.000127	**-0.4482**	ug/L
ê>	Sc	45	1185061	1221579	21332	1.7	1221579.143211		ug/L
ê	Ti	47	38	45	7	16.0	0.000005	**-0.0077**	ug/L
ê	Ti	48	-200	-205	24	11.7	0.000000	**0.0073**	ug/L
ê	V	51	65	57	7	12.3	-0.000008	**0.0020**	ug/L
ê	Cr	52	13759	14823	342	2.3	0.000529	**0.0297**	ug/L
ê	Cr	53	57	68	21	30.3	0.000008	**0.0109**	ug/L
ê	Mn	55	789	778	49	6.3	-0.000029	**-0.0019**	ug/L
ê	Fe	54	152621	155277	2148	1.4	-0.001670	**-1.0463**	ug/L
ê	Fe	57	11821	12090	400	3.3	-0.000073	**0.0530**	ug/L
ê	Co	59	58	66	10	15.8	0.000005	**-0.0021**	ug/L
ê	Ni	60	10	16	3	17.0	0.000004	**-0.0081**	ug/L
ë	Ni	62	142	128	5	4.0	-0.000016	**-0.0240**	ug/L
é	Cu	65	19	17	3	14.5	-0.000002	**-0.0076**	ug/L
ê	Cu	63	40	35	2	5.9	-0.000004	**-0.0169**	ug/L
ê	Zn	66	62	83	1	0.7	0.000016	**-0.1051**	ug/L
ê	Zn	68	723	784	14	1.8	0.000041	**-0.1012**	ug/L
ê>	Ge	74	1217221	1234776	12342	1.0	1234775.959447		ug/L
ë	As	75	-151	-156	15	9.6	-0.000002	**-0.0133**	ug/L
é	Se	77	135	126	13	10.1	-0.000004	**-0.0473**	ug/L
ê	Se	82	30	14	10	76.7	-0.000007	**-0.0811**	ug/L
ê	Sr	88	152	163	5	3.1	0.000005	**-0.0019**	ug/L
ê	Mo	98	17	18	2	12.0	0.000000	**-0.0004**	ug/L
ê	Ag	107	5	11	4	39.6	0.000002	**-0.0017**	ug/L
ê	Ag	109	9	11	1	10.8	0.000001	**-0.0011**	ug/L
ê	Cd	111	5	2	2	65.5	-0.000001	**-0.0010**	ug/L
ê	Cd	114	41	31	3	10.4	-0.000004	**-0.0010**	ug/L
ê>	In	115	2433207	2427129	29633	1.2	2427129.221991		ug/L
ê	Sn	120	150	146	6	3.8	-0.000001	**-0.0171**	ug/L

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ê	Sb	121	7	21	6	25.8	0.000006	**-0.0008**	ug/L
ë	Ba	138	62	85	23	27.2	0.000010	**-0.0007**	ug/L
é>	Tm	169	2079972	2099575	23166	1.1	2099574.655008		ug/L
ê	Tl	205	19	8	4	42.1	-0.000005	**-0.0009**	ug/L
ê	Pb	208	233	253	6	2.4	0.000008	**-0.0022**	ug/L
ê	Bi	209	15	19	4	18.2	0.000002	**-0.0046**	ug/L
ê	Th	232	43	45	7	15.6	0.000001	**-0.0008**	ug/L
ë	U	238	3	2	1	49.5	-0.000000	**-0.0009**	ug/L
	C	13	41698	41698	590	1.4	0.674190		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	103.082
⎢	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	101.442
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	99.750
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	100.942
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 17:51:39
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 101

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-IBL1.046
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	843	32	3.8	-0.000232	**-0.0251**	ug/L
ê	Be	9	5	2	1	69.3	-0.000003	**-0.0021**	ug/L
ê	B	11	429	553	33	6.0	0.000101	**0.0990**	ug/L
ê	Na	23	18105	19884	233	1.2	0.001378	**-0.2105**	ug/L
ê	Mg	24	1090	1296	72	5.6	0.000166	**0.0092**	ug/L
ê	Al	27	4370	5387	281	5.2	0.000822	**-0.0354**	ug/L
ê	K	39	864283	861658	4811	0.6	-0.007529	**-1.1306**	ug/L
ê	Ca	44	5853	5926	101	1.7	0.000025	**-0.2096**	ug/L
ê>	Sc	45	1185061	1194116	25175	2.1	1194115.525648		ug/L
ê	Ti	47	38	38	9	22.8	-0.000000	**-0.0107**	ug/L
ê	Ti	48	-200	-186	8	4.3	0.000013	**0.0080**	ug/L
ê	V	51	65	45	6	13.1	-0.000017	**0.0015**	ug/L
ê	Cr	52	13759	14179	252	1.8	0.000266	**0.0132**	ug/L
ê	Cr	53	57	47	8	16.9	-0.000008	**0.0022**	ug/L
ê	Mn	55	789	808	28	3.4	0.000011	**0.0000**	ug/L
ê	Fe	54	152621	159440	1338	0.8	0.004779	**4.8007**	ug/L
ê	Fe	57	11821	11722	90	0.8	-0.000156	**-0.1390**	ug/L
ê	Co	59	58	67	9	13.8	0.000008	**-0.0020**	ug/L
ê	Ni	60	10	18	6	34.2	0.000006	**-0.0076**	ug/L
ë	Ni	62	142	134	5	3.8	-0.000008	**-0.0116**	ug/L
é	Cu	65	19	20	3	15.5	0.000000	**-0.0071**	ug/L
ê	Cu	63	40	54	11	19.9	0.000011	**-0.0152**	ug/L
ê	Zn	66	62	89	9	10.3	0.000022	**-0.1019**	ug/L
ê	Zn	68	723	825	17	2.1	0.000080	**-0.0707**	ug/L
ê>	Ge	74	1217221	1225484	17744	1.4	1225483.685576		ug/L
ë	As	75	-151	-227	83	36.7	-0.000061	**-0.0417**	ug/L
é	Se	77	135	144	22	15.2	0.000004	**0.0616**	ug/L
ê	Se	82	30	18	9	46.6	-0.000005	**-0.0620**	ug/L
ê	Sr	88	152	153	9	5.7	0.000000	**-0.0022**	ug/L
ê	Mo	98	17	17	1	6.0	-0.000000	**-0.0006**	ug/L
ê	Ag	107	5	8	4	45.1	0.000001	**-0.0019**	ug/L
ê	Ag	109	9	9	2	19.2	0.000000	**-0.0012**	ug/L
ê	Cd	111	5	3	0	0.0	-0.000001	**-0.0009**	ug/L
ê	Cd	114	41	31	6	19.6	-0.000004	**-0.0011**	ug/L
ê>	In	115	2433207	2428873	41044	1.7	2428873.116640		ug/L
ê	Sn	120	150	83	12	14.0	-0.000028	**-0.0203**	ug/L

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ê	Sb	121	7	10	5	44.7	0.000001	**-0.0016**	ug/L
ë	Ba	138	62	56	4	7.8	-0.000002	**-0.0013**	ug/L
é>	Tm	169	2079972	2101432	15125	0.7	2101431.577949		ug/L
ê	Tl	205	19	12	5	41.6	-0.000003	**-0.0008**	ug/L
ê	Pb	208	233	229	2	0.8	-0.000003	**-0.0027**	ug/L
ê	Bi	209	15	19	4	20.9	0.000002	**-0.0046**	ug/L
ê	Th	232	43	36	3	8.4	-0.000003	**-0.0010**	ug/L
ë	U	238	3	4	1	25.0	0.000000	**-0.0009**	ug/L
	C	13	41698	41355	536	1.3	-342.656408		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	100.764
⎢	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	100.679
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	99.822
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	101.032
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 17:56:00
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 102

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-IBL2.047
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	799	31	3.8	-0.000282	**-0.0300**	ug/L
ê	Be	9	5	3	3	75.5	-0.000001	**-0.0012**	ug/L
ê	B	11	429	518	12	2.3	0.000063	**0.0807**	ug/L
ê	Na	23	18105	14019	105	0.7	-0.003764	**-0.4414**	ug/L
ê	Mg	24	1090	1156	32	2.8	0.000029	**-0.0002**	ug/L
ê	Al	27	4370	5393	510	9.5	0.000743	**-0.0393**	ug/L
ê	K	39	864283	846766	306	0.0	-0.033810	**-2.1993**	ug/L
ê	Ca	44	5853	5962	15	0.2	-0.000042	**-0.3142**	ug/L
ê>	Sc	45	1185061	1217592	13827	1.1	1217592.301655		ug/L
ê	Ti	47	38	39	9	22.0	-0.000001	**-0.0110**	ug/L
ê	Ti	48	-200	-196	25	12.6	0.000008	**0.0077**	ug/L
ê	V	51	65	42	7	17.2	-0.000020	**0.0013**	ug/L
ê	Cr	52	13759	15006	441	2.9	0.000717	**0.0416**	ug/L
ê	Cr	53	57	50	14	27.8	-0.000007	**0.0028**	ug/L
ê	Mn	55	789	823	22	2.7	0.000010	**-0.0000**	ug/L
ê	Fe	54	152621	165401	1649	1.0	0.007064	**6.8725**	ug/L
ê	Fe	57	11821	11883	203	1.7	-0.000216	**-0.2771**	ug/L
ê	Co	59	58	63	11	17.9	0.000003	**-0.0023**	ug/L
ê	Ni	60	10	12	1	5.0	0.000001	**-0.0089**	ug/L
ë	Ni	62	142	133	5	3.4	-0.000011	**-0.0158**	ug/L
é	Cu	65	19	16	3	16.5	-0.000003	**-0.0079**	ug/L
ê	Cu	63	40	37	7	17.4	-0.000003	**-0.0168**	ug/L
ê	Zn	66	62	83	6	7.1	0.000015	**-0.1057**	ug/L
ê	Zn	68	723	804	40	5.0	0.000047	**-0.0968**	ug/L
ê>	Ge	74	1217221	1255329	20481	1.6	1255329.438887		ug/L
ë	As	75	-151	-169	98	57.7	-0.000011	**-0.0176**	ug/L
é	Se	77	135	137	22	16.0	-0.000000	**-0.0008**	ug/L
ê	Se	82	30	23	11	46.8	-0.000003	**-0.0477**	ug/L
ê	Sr	88	152	162	5	3.2	0.000002	**-0.0020**	ug/L
ê	Mo	98	17	21	4	19.6	0.000001	**-0.0002**	ug/L
ê	Ag	107	5	9	1	6.2	0.000002	**-0.0018**	ug/L
ê	Ag	109	9	7	1	8.7	-0.000001	**-0.0014**	ug/L
ê	Cd	111	5	6	2	27.0	0.000000	**-0.0003**	ug/L
ê	Cd	114	41	37	10	27.6	-0.000002	**-0.0006**	ug/L
ê>	In	115	2433207	2494032	23465	0.9	2494032.025457		ug/L
ê	Sn	120	150	87	5	5.9	-0.000027	**-0.0202**	ug/L

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ê	Sb	121	7	9	1	11.1	0.000001	**-0.0017**	ug/L
ë	Ba	138	62	60	16	26.6	-0.000001	**-0.0013**	ug/L
é>	Tm	169	2079972	2128301	12217	0.6	2128300.576296		ug/L
ê	Tl	205	19	10	2	15.8	-0.000004	**-0.0009**	ug/L
ê	Pb	208	233	249	4	1.4	0.000005	**-0.0024**	ug/L
ê	Bi	209	15	17	4	21.2	0.000001	**-0.0047**	ug/L
ê	Th	232	43	43	2	3.5	-0.000000	**-0.0008**	ug/L
ë	U	238	3	1	0	0.0	-0.000001	**-0.0009**	ug/L
	C	13	41698	41689	272	0.7	-9.027098		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	102.745
|	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	103.131
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	102.500
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	102.324
|	Tl	205	
|	Pb	208	
|	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, March 17, 2014 18:00:21
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 103

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-IBL3.048
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	821	15	1.9	-0.000274	**-0.0292**	ug/L
ê	Be	9	5	6	2	36.7	0.000001	**-0.0000**	ug/L
ê	B	11	429	518	10	1.8	0.000057	**0.0774**	ug/L
ê	Na	23	18105	13432	247	1.8	-0.004414	**-0.4706**	ug/L
ê	Mg	24	1090	1088	14	1.3	-0.000040	**-0.0049**	ug/L
ê	Al	27	4370	4908	9	0.2	0.000282	**-0.0624**	ug/L
ê	K	39	864283	854897	5958	0.7	-0.037793	**-2.3612**	ug/L
ê	Ca	44	5853	5823	47	0.8	-0.000229	**-0.6075**	ug/L
ê>	Sc	45	1185061	1236264	8390	0.7	1236264.449067		ug/L
ê	Ti	47	38	43	6	14.9	0.000002	**-0.0092**	ug/L
ê	Ti	48	-200	-185	22	11.6	0.000019	**0.0083**	ug/L
ê	V	51	65	37	3	6.7	-0.000024	**0.0011**	ug/L
ê	Cr	52	13759	15495	305	2.0	0.000924	**0.0546**	ug/L
ê	Cr	53	57	52	10	19.6	-0.000006	**0.0035**	ug/L
ê	Mn	55	789	843	34	4.0	0.000016	**0.0002**	ug/L
ê	Fe	54	152621	170911	1229	0.7	0.009462	**9.0457**	ug/L
ê	Fe	57	11821	12324	401	3.3	-0.000007	**0.2044**	ug/L
ê	Co	59	58	50	2	3.0	-0.000008	**-0.0029**	ug/L
ê	Ni	60	10	13	4	28.8	0.000002	**-0.0088**	ug/L
ë	Ni	62	142	147	13	8.8	-0.000001	**0.0002**	ug/L
é	Cu	65	19	11	1	9.1	-0.000007	**-0.0089**	ug/L
ê	Cu	63	40	29	5	15.7	-0.000010	**-0.0176**	ug/L
ê	Zn	66	62	79	10	13.1	0.000012	**-0.1076**	ug/L
ê	Zn	68	723	813	33	4.1	0.000048	**-0.0963**	ug/L
ê>	Ge	74	1217221	1269654	32373	2.5	1269653.983806		ug/L
ë	As	75	-151	-212	6	2.6	-0.000043	**-0.0330**	ug/L
é	Se	77	135	142	15	10.4	0.000002	**0.0337**	ug/L
ê	Se	82	30	14	4	28.6	-0.000007	**-0.0798**	ug/L
ê	Sr	88	152	150	12	8.1	-0.000002	**-0.0023**	ug/L
ê	Mo	98	17	18	7	35.5	0.000000	**-0.0005**	ug/L
ê	Ag	107	5	11	5	45.3	0.000003	**-0.0017**	ug/L
ê	Ag	109	9	6	2	27.0	-0.000001	**-0.0014**	ug/L
ê	Cd	111	5	3	1	17.3	-0.000001	**-0.0008**	ug/L
ê	Cd	114	41	30	5	17.5	-0.000005	**-0.0012**	ug/L
ê>	In	115	2433207	2472182	19206	0.8	2472182.265944		ug/L
ê	Sn	120	150	88	8	8.5	-0.000026	**-0.0201**	ug/L

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ê	Sb	121	7	11	3	24.1	0.000001	**-0.0015**	ug/L
ë	Ba	138	62	47	10	21.4	-0.000006	**-0.0016**	ug/L
é>	Tm	169	2079972	2140408	23587	1.1	2140408.164947		ug/L
ê	Tl	205	19	10	1	10.0	-0.000004	**-0.0009**	ug/L
ê	Pb	208	233	232	9	3.9	-0.000004	**-0.0028**	ug/L
ê	Bi	209	15	12	1	4.9	-0.000002	**-0.0048**	ug/L
ê	Th	232	43	42	10	24.9	-0.000001	**-0.0009**	ug/L
ë	U	238	3	1	1	100.0	-0.000001	**-0.0009**	ug/L
	C	13	41698	41812	306	0.7	114.333094		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	104.321
⎢	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	104.308
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	101.602
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	102.906
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 18:04:41
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 104

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-IBL4.049
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	802	32	4.0	-0.000299	**-0.0317**	ug/L
ê	Be	9	5	1	1	43.3	-0.000003	**-0.0023**	ug/L
ê	B	11	429	453	24	5.3	-0.000002	**0.0487**	ug/L
ê	Na	23	18105	13355	326	2.4	-0.004641	**-0.4808**	ug/L
ê	Mg	24	1090	1142	56	4.9	-0.000010	**-0.0029**	ug/L
ê	Al	27	4370	5073	546	10.8	0.000350	**-0.0590**	ug/L
ê	K	39	864283	850492	2656	0.3	-0.051969	**-2.9377**	ug/L
ê	Ca	44	5853	5940	32	0.5	-0.000208	**-0.5752**	ug/L
ê>	Sc	45	1185061	1255722	15545	1.2	1255721.790175		ug/L
ê	Ti	47	38	45	7	14.9	0.000003	**-0.0085**	ug/L
ê	Ti	48	-200	-200	6	3.0	0.000009	**0.0078**	ug/L
ê	V	51	65	43	4	8.4	-0.000020	**0.0013**	ug/L
ê	Cr	52	13759	15500	509	3.3	0.000732	**0.0425**	ug/L
ê	Cr	53	57	54	14	25.6	-0.000006	**0.0038**	ug/L
ê	Mn	55	789	858	24	2.8	0.000017	**0.0003**	ug/L
ê	Fe	54	152621	170116	3153	1.9	0.006708	**6.5494**	ug/L
ê	Fe	57	11821	11868	224	1.9	-0.000524	**-0.9877**	ug/L
ê	Co	59	58	59	0	0.0	-0.000002	**-0.0025**	ug/L
ê	Ni	60	10	12	1	12.2	0.000001	**-0.0089**	ug/L
ë	Ni	62	142	152	13	8.3	0.000001	**0.0028**	ug/L
é	Cu	65	19	15	3	21.0	-0.000004	**-0.0081**	ug/L
ê	Cu	63	40	38	6	14.6	-0.000003	**-0.0168**	ug/L
ê	Zn	66	62	99	10	10.3	0.000027	**-0.0991**	ug/L
ê	Zn	68	723	822	12	1.4	0.000050	**-0.0941**	ug/L
ê>	Ge	74	1217221	1276994	17058	1.3	1276993.763995		ug/L
ë	As	75	-151	-223	17	7.7	-0.000051	**-0.0365**	ug/L
é	Se	77	135	154	6	3.8	0.000007	**0.1063**	ug/L
ê	Se	82	30	21	8	36.7	-0.000004	**-0.0546**	ug/L
ê	Sr	88	152	152	11	7.3	-0.000001	**-0.0023**	ug/L
ê	Mo	98	17	15	4	27.7	-0.000001	**-0.0008**	ug/L
ê	Ag	107	5	9	6	63.5	0.000001	**-0.0019**	ug/L
ê	Ag	109	9	8	2	18.3	-0.000000	**-0.0013**	ug/L
ê	Cd	111	5	6	1	16.7	0.000000	**-0.0003**	ug/L
ê	Cd	114	41	37	3	8.9	-0.000002	**-0.0006**	ug/L
ê>	In	115	2433207	2460675	59258	2.4	2460675.479919		ug/L
ê	Sn	120	150	90	3	3.8	-0.000025	**-0.0200**	ug/L

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ê	Sb	121	7	10	5	45.8	0.000001	**-0.0016**	ug/L
ë	Ba	138	62	55	12	22.9	-0.000003	**-0.0014**	ug/L
é>	Tm	169	2079972	2131740	29081	1.4	2131740.018586		ug/L
ê	Tl	205	19	7	1	8.7	-0.000006	**-0.0010**	ug/L
ê	Pb	208	233	246	7	2.8	0.000003	**-0.0024**	ug/L
ê	Bi	209	15	14	4	26.4	-0.000001	**-0.0047**	ug/L
ê	Th	232	43	41	5	11.2	-0.000001	**-0.0009**	ug/L
ë	U	238	3	2	1	69.3	-0.000001	**-0.0009**	ug/L
	C	13	41698	41460	283	0.7	-237.690968		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	105.963
⎢	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	104.911
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	101.129
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	102.489
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 18:09:02
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 105

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-SCV1.050
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	48985	215	0.4	0.037645	**18.5482**	ug/L
ê	Be	9	5	5295	4	0.1	0.004167	**13.4339**	ug/L
ê	B	11	429	80086	1727	2.2	0.062725	**154.3981**	ug/L
ê	Na	23	18105	112871032	964174	0.9	88.896958	**19961.0569**	ug/L
ê	Mg	24	1090	28729619	259021	0.9	22.629406	**7757.2103**	ug/L
ê	Al	27	4370	737981	7236	1.0	0.577556	**144.3709**	ug/L
ê	K	39	864283	13144546	80773	0.6	9.624725	**1952.7249**	ug/L
ê	Ca	44	5853	4921553	82854	1.7	3.871410	**30402.8225**	ug/L
ê>	Sc	45	1185061	1269736	19721	1.6	1269735.634692		ug/L
ê	Ti	47	38	157	24	15.2	0.000091	**0.2351**	ug/L
ê	Ti	48	-200	24938	7565	30.3	0.019791	**5.8860**	ug/L
ê	V	51	65	180454	3311	1.8	0.142061	**37.0266**	ug/L
ê	Cr	52	13759	98174	2000	2.0	0.065716	**20.6379**	ug/L
ê	Cr	53	57	9654	206	2.1	0.007554	**20.5800**	ug/L
ê	Mn	55	789	205627	3136	1.5	0.161282	**37.9752**	ug/L
ê	Fe	54	152621	208703	966	0.5	0.035607	**163.7419**	ug/L
ê	Fe	57	11821	22552	332	1.5	0.007786	**90.8926**	ug/L
ê	Co	59	58	124767	1787	1.4	0.098222	**27.0772**	ug/L
ê	Ni	60	10	61608	562	0.9	0.048517	**60.7238**	ug/L
ë	Ni	62	142	9527	79	0.8	0.007385	**61.3030**	ug/L
é	Cu	65	19	23536	366	1.6	0.018234	**22.2396**	ug/L
ê	Cu	63	40	51677	760	1.5	0.040042	**23.1256**	ug/L
ê	Zn	66	62	37980	541	1.4	0.029399	**82.0585**	ug/L
ê	Zn	68	723	35916	178	0.5	0.027255	**107.6437**	ug/L
ê>	Ge	74	1217221	1289711	11251	0.9	1289710.891124		ug/L
ë	As	75	-151	28462	257	0.9	0.022194	**53.1185**	ug/L
é	Se	77	135	594	11	1.8	0.000179	**12.9716**	ug/L
ê	Se	82	30	682	16	2.4	0.000257	**12.4506**	ug/L
ê	Sr	88	152	2154157	27137	1.3	0.850260	**315.3347**	ug/L
ê	Mo	98	17	217327	4706	2.2	0.085779	**122.0559**	ug/L
ê	Ag	107	5	3994	95	2.4	0.001574	**1.0277**	ug/L
ê	Ag	109	9	4434	93	2.1	0.001747	**1.0291**	ug/L
ê	Cd	111	5	6425	181	2.8	0.002534	**6.4504**	ug/L
ê	Cd	114	41	15095	86	0.6	0.005942	**6.5499**	ug/L
ê>	In	115	2433207	2533332	11328	0.4	2533331.676397		ug/L
ê	Sn	120	150	207	22	10.6	0.000020	**-0.0725**	ug/L

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ê	Sb	121	7	166679	1517	0.9	0.065791	**56.2445**	ug/L
ë	Ba	138	62	5022652	33446	0.7	1.982619	**522.4521**	ug/L
é>	Tm	169	2079972	2196026	17087	0.8	2196025.638304		ug/L
ê	Tl	205	19	53084	413	0.8	0.024165	**7.4205**	ug/L
ê	Pb	208	233	187086	1048	0.6	0.085082	**19.6361**	ug/L
ê	Bi	209	15	105449	1637	1.6	0.048010	**13.9919**	ug/L
ê	Th	232	43	78	5	6.3	0.000015	**-0.0009**	ug/L
ë	U	238	3	1082	30	2.8	0.000491	**0.1032**	ug/L
	C	13	41698	51677	760	1.5	9978.876171		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	107.145
⎢	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	105.955
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	104.115
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	105.580
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 18:14:28
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 106

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-SCV2.051
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	1101	29	2.7	-0.000043	**-0.0324**	ug/L
ê	Be	9	5	7	3	37.7	0.000001	**0.0024**	ug/L
ê	B	11	429	809	72	8.9	0.000295	**0.9719**	ug/L
ê	Na	23	18105	746949	16972	2.3	0.591867	**131.5459**	ug/L
ê	Mg	24	1090	37092213	28701	0.1	30.150444	**10335.3756**	ug/L
ê	Al	27	4370	38750	597	1.5	0.027808	**6.5869**	ug/L
ê	K	39	864283	917625	5963	0.6	0.016581	**-0.7511**	ug/L
ê	Ca	44	5853	8071062	224722	2.8	6.554703	**51476.0264**	ug/L
ê>	Sc	45	1185061	1230294	13533	1.1	1230294.245911		ug/L
ê	Ti	47	38	79	17	20.9	0.000032	**0.0478**	ug/L
ê	Ti	48	-200	44498	25535	57.4	0.036407	**10.7977**	ug/L
ê	V	51	65	3268	67	2.1	0.002602	**0.6899**	ug/L
ê	Cr	52	13759	15595	185	1.2	0.001067	**0.3178**	ug/L
ê	Cr	53	57	1096	21	1.9	0.000843	**2.3258**	ug/L
ê	Mn	55	789	1334	44	3.3	0.000419	**0.0959**	ug/L
ê	Fe	54	152621	145801	2722	1.9	-0.010285	**-44.2816**	ug/L
ê	Fe	57	11821	11948	145	1.2	-0.000263	**-1.9272**	ug/L
ê	Co	59	58	378	11	2.9	0.000259	**0.0591**	ug/L
ê	Ni	60	10	-1483	132	8.9	-0.001215	**-1.5678**	ug/L
ë	Ni	62	142	183	9	5.0	0.000029	**0.2473**	ug/L
é	Cu	65	19	376	8	2.0	0.000284	**0.3109**	ug/L
ê	Cu	63	40	593	31	5.3	0.000440	**0.1727**	ug/L
ê	Zn	66	62	396	35	8.7	0.000264	**0.1715**	ug/L
ê	Zn	68	723	951	44	4.7	0.000164	**-0.0202**	ug/L
ê>	Ge	74	1217221	1255831	16038	1.3	1255831.484348		ug/L
ë	As	75	-151	-118	38	32.2	0.000030	**0.0094**	ug/L
é	Se	77	135	208	9	4.5	0.000028	**2.0666**	ug/L
ê	Se	82	30	33	5	16.2	0.000001	**-0.0409**	ug/L
ê	Sr	88	152	189217	1425	0.8	0.076180	**28.2427**	ug/L
ê	Mo	98	17	23	2	10.3	0.000002	**0.0004**	ug/L
ê	Ag	107	5	8	2	30.1	0.000001	**-0.0096**	ug/L
ê	Ag	109	9	6	1	16.7	-0.000001	**-0.0069**	ug/L
ê	Cd	111	5	30	3	8.3	0.000010	**0.0237**	ug/L
ê	Cd	114	41	111	12	10.4	0.000028	**0.0297**	ug/L
ê>	In	115	2433207	2481821	15300	0.6	2481821.114605		ug/L
ê	Sn	120	150	78	9	11.5	-0.000030	**-0.1032**	ug/L

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ê	Sb	121	7	72	5	7.3	0.000026	**0.0133**	ug/L
ë	Ba	138	62	12845	358	2.8	0.005151	**1.3513**	ug/L
é>	Tm	169	2079972	2133120	10247	0.5	2133119.554456		ug/L
ê	Tl	205	19	103	6	5.3	0.000039	**0.0090**	ug/L
ê	Pb	208	233	508	22	4.3	0.000126	**0.0161**	ug/L
ê	Bi	209	15	19	4	22.9	0.000002	**-0.0230**	ug/L
ê	Th	232	43	35	6	16.6	-0.000004	**-0.0050**	ug/L
ë	U	238	3	17	2	12.0	0.000007	**-0.0029**	ug/L
	C	13	41698	43765	330	0.8	2067.503827		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	103.817
⎢	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	103.172
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	101.998
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	102.555
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 18:18:50
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 107

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-SCV3.052
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	586369	4961	0.8	0.480418	**47.3673**	ug/L
ê	Be	9	5	7062	176	2.5	0.005794	**3.7364**	ug/L
ê	B	11	429	451909	5664	1.3	0.370572	**182.1896**	ug/L
ê	Na	23	18105	49906741	266412	0.5	40.953778	**1839.0177**	ug/L
ê	Mg	24	1090	13118063	66970	0.5	10.767837	**738.2275**	ug/L
ê	Al	27	4370	4512547	74339	1.6	3.700568	**185.4193**	ug/L
ê	K	39	864283	11971580	117458	1.0	9.096603	**369.0700**	ug/L
ê	Ca	44	5853	7285517	80034	1.1	5.974857	**9384.4428**	ug/L
ê>	Sc	45	1185061	1218476	21223	1.7	1218475.737230		ug/L
ê	Ti	47	38	35939	328	0.9	0.029466	**18.5969**	ug/L
ê	Ti	48	-200	387264	30702	7.9	0.318296	**18.8240**	ug/L
ê	V	51	65	436806	12357	2.8	0.358395	**18.6788**	ug/L
ê	Cr	52	13759	894812	3658	0.4	0.722930	**45.4416**	ug/L
ê	Cr	53	57	102808	1489	1.4	0.084357	**45.8929**	ug/L
ê	Mn	55	789	236568	5723	2.4	0.193578	**9.1160**	ug/L
ê	Fe	54	152621	1398136	32579	2.3	1.019153	**924.4079**	ug/L
ê	Fe	57	11821	498907	3297	0.7	0.399563	**921.7201**	ug/L
ê	Co	59	58	207314	2984	1.4	0.170152	**9.3830**	ug/L
ê	Ni	60	10	88754	597	0.7	0.072848	**18.2398**	ug/L
ë	Ni	62	142	13681	120	0.9	0.011111	**18.4462**	ug/L
é	Cu	65	19	95066	594	0.6	0.078334	**19.1325**	ug/L
ê	Cu	63	40	202556	5591	2.8	0.166896	**19.3299**	ug/L
ê	Zn	66	62	42754	423	1.0	0.035186	**19.6651**	ug/L
ê	Zn	68	723	31153	315	1.0	0.025081	**19.8006**	ug/L
ê>	Ge	74	1217221	1213352	4779	0.4	1213352.188633		ug/L
ë	As	75	-151	49607	596	1.2	0.041010	**19.6410**	ug/L
é	Se	77	135	6848	42	0.6	0.002723	**39.3499**	ug/L
ê	Se	82	30	9821	7	0.1	0.003972	**38.7138**	ug/L
ê	Sr	88	152	617012	3718	0.6	0.250270	**18.5619**	ug/L
ê	Mo	98	17	15842	303	1.9	0.006419	**1.8263**	ug/L
ê	Ag	107	5	63935	1068	1.7	0.025933	**3.4173**	ug/L
ê	Ag	109	9	70241	1384	2.0	0.028493	**3.3770**	ug/L
ê	Cd	111	5	9086	98	1.1	0.003684	**1.8759**	ug/L
ê	Cd	114	41	21263	616	2.9	0.008609	**1.8981**	ug/L
ê>	In	115	2433207	2465185	32773	1.3	2465184.797461		ug/L
ê	Sn	120	150	193511	2613	1.4	0.078440	**9.5967**	ug/L

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ê	Sb	121	7	55032	741	1.3	0.022321	**3.8152**	ug/L
ë	Ba	138	62	437149	4000	0.9	0.177311	**9.3437**	ug/L
é>	Tm	169	2079972	2131834	28263	1.3	2131833.992419		ug/L
ê	Tl	205	19	33671	186	0.6	0.015787	**0.9693**	ug/L
ê	Pb	208	233	441332	486	0.1	0.206933	**9.5553**	ug/L
ê	Bi	209	15	353212	3864	1.1	0.165693	**9.6694**	ug/L
ê	Th	232	43	92787	646	0.7	0.043509	**1.8985**	ug/L
ë	U	238	3	92550	1726	1.9	0.043422	**1.9017**	ug/L
	C	13	41698	41370	233	0.6	-327.618364		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	102.820
⎢	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	99.682
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	101.314
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	102.493
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 18:23:11
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 0.05
Autosampler Position: 108

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-IFA1.053
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	967	27	2.8	-0.000164	**-3.6703**	ug/L
ê	Be	9	5	5	3	61.9	-0.000000	**-0.1206**	ug/L
ê	B	11	429	1132	208	18.3	0.000544	**63.3299**	ug/L
ê	Na	23	18105	63813032	211595	0.3	51.095209	**458896.6443**	ug/L
ê	Mg	24	1090	42798218	723606	1.7	34.275940	**469982.8127**	ug/L
ê	Al	27	4370	57945327	363421	0.6	46.406118	**465218.2155**	ug/L
ê	K	39	864283	73043390	183306	0.3	57.774059	**469687.5169**	ug/L
ê	Ca	44	5853	1909804	28209	1.5	1.524754	**478935.5974**	ug/L
ê>	Sc	45	1185061	1248556	6947	0.6	1248556.088058		ug/L
ê	Ti	47	38	103637	738	0.7	0.082975	**10477.3184**	ug/L
ê	Ti	48	-200	990796	11128	1.1	0.793758	**9386.3994**	ug/L
ê	V	51	65	2660	58	2.2	0.002076	**22.1079**	ug/L
ê	Cr	52	13759	14238	424	3.0	-0.000208	**-3.3146**	ug/L
ê	Cr	53	57	959	15	1.6	0.000720	**79.7008**	ug/L
ê	Mn	55	789	1894	139	7.4	0.000850	**7.9039**	ug/L
ê	Fe	54	152621	3519332	76787	2.2	2.689845	**487803.5860**	ug/L
ê	Fe	57	11821	1335750	31381	2.3	1.059842	**488900.0261**	ug/L
ê	Co	59	58	1121	35	3.1	0.000849	**8.8833**	ug/L
ê	Ni	60	10	-225	30	13.3	-0.000189	**-11.2964**	ug/L
ë	Ni	62	142	375	30	8.0	0.000180	**60.1830**	ug/L
é	Cu	65	19	342	33	9.7	0.000258	**11.1592**	ug/L
ê	Cu	63	40	1022	55	5.3	0.000784	**14.8874**	ug/L
ê	Zn	66	62	425	36	8.4	0.000289	**9.6621**	ug/L
ê	Zn	68	723	838	15	1.8	0.000076	**-14.6950**	ug/L
ê>	Ge	74	1217221	1251364	4673	0.4	1251363.635725		ug/L
ë	As	75	-151	-174	29	16.9	-0.000015	**-3.8801**	ug/L
é	Se	77	135	198	6	3.0	0.000024	**70.7842**	ug/L
ê	Se	82	30	20	11	57.0	-0.000004	**-11.4886**	ug/L
ê	Sr	88	152	505	47	9.4	0.000141	**1.6463**	ug/L
ê	Mo	98	17	449605	4031	0.9	0.180972	**10300.4382**	ug/L
ê	Ag	107	5	182	9	5.1	0.000071	**1.4624**	ug/L
ê	Ag	109	9	182	14	7.4	0.000070	**1.4067**	ug/L
ê	Cd	111	5	364	6	1.7	0.000145	**14.6379**	ug/L
ê	Cd	114	41	705	13	1.8	0.000267	**11.7457**	ug/L
ê>	In	115	2433207	2484532	24530	1.0	2484531.812772		ug/L
ê	Sn	120	150	130	32	24.6	-0.000009	**-3.6130**	ug/L

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ê	Sb	121	7	400	8	2.0	0.000158	**5.0462**	ug/L
ë	Ba	138	62	8247	18	0.2	0.003294	**34.4788**	ug/L
é>	Tm	169	2079972	2167927	15211	0.7	2167927.462220		ug/L
ê	Tl	205	19	135	18	13.0	0.000053	**0.5332**	ug/L
ê	Pb	208	233	502	28	5.6	0.000120	**0.5835**	ug/L
ê	Bi	209	15	334	17	5.2	0.000147	**0.7742**	ug/L
ê	Th	232	43	75	8	10.9	0.000014	**-0.0455**	ug/L
ë	U	238	3	20	8	39.7	0.000008	**-0.1076**	ug/L
	C	13	41698	47115	379	0.8	5416.799336		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	105.358
⎢	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	102.805
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	102.109
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	104.229
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 18:27:31
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 0.05
Autosampler Position: 109

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-IFB1.054
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	902	33	3.7	-0.000224	**-4.8464**	ug/L
ê	Be	9	5	2	1	24.7	-0.000002	**-0.3630**	ug/L
ê	B	11	429	733	47	6.5	0.000218	**31.3282**	ug/L
ê	Na	23	18105	63966878	260416	0.4	50.673452	**455108.3112**	ug/L
ê	Mg	24	1090	42604562	204124	0.5	33.759656	**462903.6545**	ug/L
ê	Al	27	4370	58237532	473674	0.8	46.148967	**462640.2123**	ug/L
ê	K	39	864283	73795288	327212	0.4	57.749241	**469485.6820**	ug/L
ê	Ca	44	5853	1946388	11636	0.6	1.537458	**482926.6211**	ug/L
ê>	Sc	45	1185061	1262093	17172	1.4	1262092.587547		ug/L
ê	Ti	47	38	105813	761	0.7	0.083812	**10583.0426**	ug/L
ê	Ti	48	-200	997148	18411	1.8	0.790464	**9347.4542**	ug/L
ê	V	51	65	26523	614	2.3	0.020963	**218.9548**	ug/L
ê	Cr	52	13759	24745	422	1.7	0.007996	**99.8243**	ug/L
ê	Cr	53	57	2101	41	1.9	0.001616	**177.2008**	ug/L
ê	Mn	55	789	14881	149	1.0	0.011127	**104.7026**	ug/L
ê	Fe	54	152621	3603086	15906	0.4	2.726405	**494432.5154**	ug/L
ê	Fe	57	11821	1342184	30946	2.3	1.053835	**486129.4872**	ug/L
ê	Co	59	58	23184	133	0.6	0.018323	**201.6540**	ug/L
ê	Ni	60	10	4710	52	1.1	0.003724	**184.7413**	ug/L
ë	Ni	62	142	1056	64	6.1	0.000717	**238.3921**	ug/L
é	Cu	65	19	2867	71	2.5	0.002293	**110.5935**	ug/L
ê	Cu	63	40	6374	167	2.6	0.005100	**114.9387**	ug/L
ê	Zn	66	62	1553	23	1.5	0.001199	**111.9873**	ug/L
ê	Zn	68	723	1668	60	3.6	0.000750	**92.3336**	ug/L
ê>	Ge	74	1217221	1242348	18173	1.5	1242347.734708		ug/L
ë	As	75	-151	1115	83	7.5	0.001022	**95.5083**	ug/L
é	Se	77	135	287	11	3.7	0.000060	**173.5346**	ug/L
ê	Se	82	30	156	14	9.3	0.000050	**95.1301**	ug/L
ê	Sr	88	152	501	39	7.7	0.000139	**1.6195**	ug/L
ê	Mo	98	17	455950	3920	0.9	0.183119	**10422.6405**	ug/L
ê	Ag	107	5	9853	99	1.0	0.003956	**103.9013**	ug/L
ê	Ag	109	9	10799	241	2.2	0.004334	**102.5170**	ug/L
ê	Cd	111	5	1497	16	1.1	0.000599	**60.9571**	ug/L
ê	Cd	114	41	3325	19	0.6	0.001319	**58.1213**	ug/L
ê>	In	115	2433207	2489862	24983	1.0	2489862.001226		ug/L
ê	Sn	120	150	140	14	10.0	-0.000006	**-3.5262**	ug/L

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ê	Sb	121	7	348	19	5.5	0.000137	**4.3221**	ug/L
ë	Ba	138	62	381	23	6.0	0.000128	**1.1021**	ug/L
é>	Tm	169	2079972	2162180	19176	0.9	2162180.022590		ug/L
ê	Tl	205	19	16	2	12.7	-0.000001	**-0.1408**	ug/L
ê	Pb	208	233	637	38	6.0	0.000183	**1.1667**	ug/L
ê	Bi	209	15	1158	41	3.6	0.000528	**5.2293**	ug/L
ê	Th	232	43	116	7	6.0	0.000033	**0.1223**	ug/L
ë	U	238	3	3	1	17.3	-0.000000	**-0.1749**	ug/L
	C	13	41698	46865	254	0.5	5167.646655		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	106.500
|	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	102.064
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	102.328
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	103.952
|	Tl	205	
|	Pb	208	
|	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, March 17, 2014 22:40:05
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCV1.111
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	40558	881	2.2	0.028953	**2.8526**	ug/L
ê	Be	9	5	5952	115	1.9	0.004383	**2.8260**	ug/L
ê	B	11	429	109811	2820	2.6	0.080572	**39.6515**	ug/L
ê	Na	23	18105	8473132	128313	1.5	6.229589	**279.5070**	ug/L
ê	Mg	24	1090	5651149	40174	0.7	4.163957	**285.4736**	ug/L
ê	Al	27	4370	765128	10782	1.4	0.560211	**28.0048**	ug/L
ê	K	39	864283	10393436	5271	0.1	6.930536	**280.9914**	ug/L
ê	Ca	44	5853	528569	8493	1.6	0.384592	**603.8296**	ug/L
ê>	Sc	45	1185061	1356894	6443	0.5	1356894.224306		ug/L
ê	Ti	47	38	8548	83	1.0	0.006267	**3.9471**	ug/L
ê	Ti	48	-200	89582	587	0.7	0.066189	**3.9201**	ug/L
ê	V	51	65	77885	1975	2.5	0.057344	**2.9906**	ug/L
ê	Cr	52	13759	82794	2179	2.6	0.049407	**3.1023**	ug/L
ê	Cr	53	57	7646	96	1.3	0.005587	**3.0457**	ug/L
ê	Mn	55	789	35757	908	2.5	0.025688	**1.2092**	ug/L
ê	Fe	54	152621	330821	9531	2.9	0.115039	**104.7597**	ug/L
ê	Fe	57	11821	72521	1961	2.7	0.043475	**100.4875**	ug/L
ê	Co	59	58	50767	526	1.0	0.037365	**2.0586**	ug/L
ê	Ni	60	10	21956	95	0.4	0.016173	**4.0422**	ug/L
ë	Ni	62	142	3476	89	2.6	0.002442	**4.0551**	ug/L
é	Cu	65	19	13675	437	3.2	0.010089	**2.4578**	ug/L
ê	Cu	63	40	29400	193	0.7	0.021697	**2.4986**	ug/L
ê	Zn	66	62	9870	50	0.5	0.007245	**3.9583**	ug/L
ê	Zn	68	723	7853	132	1.7	0.005212	**4.0081**	ug/L
ê>	Ge	74	1217221	1353180	25943	1.9	1353180.347514		ug/L
ë	As	75	-151	15570	278	1.8	0.011630	**5.5613**	ug/L
é	Se	77	135	2030	66	3.2	0.000732	**10.5880**	ug/L
ê	Se	82	30	2848	38	1.3	0.001093	**10.6395**	ug/L
ê	Sr	88	152	38117	616	1.6	0.014728	**1.0903**	ug/L
ê	Mo	98	17	5883	140	2.4	0.002275	**0.6469**	ug/L
ê	Ag	107	5	8693	285	3.3	0.003370	**0.4423**	ug/L
ê	Ag	109	9	9181	115	1.2	0.003559	**0.4207**	ug/L
ê	Cd	111	5	2017	37	1.8	0.000780	**0.3970**	ug/L
ê	Cd	114	41	4627	11	0.2	0.001778	**0.3920**	ug/L
ê>	In	115	2433207	2577484	27412	1.1	2577483.586504		ug/L
ê	Sn	120	150	65802	216	0.3	0.025470	**3.1047**	ug/L

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ê	Sb	121	7	5956	63	1.1	0.002308	**0.3929**	ug/L
ë	Ba	138	62	49149	447	0.9	0.019045	**1.0025**	ug/L
é>	Tm	169	2079972	2238250	25279	1.1	2238249.960972		ug/L
ê	Tl	205	19	7529	21	0.3	0.003355	**0.2055**	ug/L
ê	Pb	208	233	25197	238	0.9	0.011146	**0.5122**	ug/L
ê	Bi	209	15	39864	242	0.6	0.017805	**1.0349**	ug/L
ê	Th	232	43	21018	160	0.8	0.009371	**0.4083**	ug/L
ë	U	238	3	10465	32	0.3	0.004675	**0.2039**	ug/L
	C	13	41698	43566	302	0.7	1868.563386		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	114.500
⎢	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	111.170
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	105.929
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	107.610
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 22:44:25
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCB1.112
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112	415	7	1.7	-0.000628	**-0.0641**	ug/L
ê	Be	9	5	3	3	75.5	-0.000001	**-0.0014**	ug/L
ê	B	11	429	2398	152	6.3	0.001430	**0.7522**	ug/L
ê	Na	23	18105	22974	188	0.8	0.001889	**-0.1875**	ug/L
ê	Mg	24	1090	1603	207	12.9	0.000278	**0.0169**	ug/L
ê	Al	27	4370	5300	71	1.3	0.000273	**-0.0629**	ug/L
ê	K	39	864283	815295	3807	0.5	-0.120104	**-5.7083**	ug/L
ê	Ca	44	5853	6503	99	1.5	-0.000079	**-0.3730**	ug/L
ê>	Sc	45	1185061	1338302	4111	0.3	1338301.929137		ug/L
ê	Ti	47	38	43	9	19.6	0.000000	**-0.0105**	ug/L
ê	Ti	48	-200	-122	22	17.7	0.000077	**0.0118**	ug/L
ê	V	51	65	57	13	23.4	-0.000012	**0.0017**	ug/L
ê	Cr	52	13759	15787	194	1.2	0.000186	**0.0082**	ug/L
ê	Cr	53	57	80	3	3.8	0.000012	**0.0132**	ug/L
ê	Mn	55	789	990	26	2.6	0.000073	**0.0029**	ug/L
ê	Fe	54	152621	175629	1249	0.7	0.002444	**2.6842**	ug/L
ê	Fe	57	11821	13633	100	0.7	0.000211	**0.7091**	ug/L
ê	Co	59	58	70	13	18.7	0.000004	**-0.0022**	ug/L
ê	Ni	60	10	23	2	10.8	0.000009	**-0.0070**	ug/L
ë	Ni	62	142	109	11	9.7	-0.000039	**-0.0623**	ug/L
é	Cu	65	19	30	3	9.5	0.000007	**-0.0056**	ug/L
ê	Cu	63	40	60	6	9.7	0.000012	**-0.0151**	ug/L
ê	Zn	66	62	133	10	7.2	0.000048	**-0.0873**	ug/L
ê	Zn	68	723	924	13	1.4	0.000091	**-0.0614**	ug/L
ê>	Ge	74	1217221	1348659	17369	1.3	1348659.108859		ug/L
ë	As	75	-151	-211	11	5.1	-0.000032	**-0.0278**	ug/L
é	Se	77	135	143	5	3.2	0.000000	**0.0047**	ug/L
ê	Se	82	30	16	22	135.7	-0.000006	**-0.0743**	ug/L
ê	Sr	88	152	174	11	6.1	0.000005	**-0.0018**	ug/L
ê	Mo	98	17	17	0	2.6	-0.000000	**-0.0006**	ug/L
ê	Ag	107	5	7	3	43.8	0.000001	**-0.0020**	ug/L
ê	Ag	109	9	8	2	18.3	-0.000000	**-0.0013**	ug/L
ê	Cd	111	5	5	1	20.0	-0.000000	**-0.0005**	ug/L
ê	Cd	114	41	37	5	13.3	-0.000002	**-0.0007**	ug/L
ê>	In	115	2433207	2574966	6013	0.2	2574966.249041		ug/L
ê	Sn	120	150	186	19	10.0	0.000011	**-0.0157**	ug/L

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ê	Sb	121	7	32	1	3.6	0.000009	**-0.0002**	ug/L
ë	Ba	138	62	92	16	18.0	0.000010	**-0.0007**	ug/L
é>	Tm	169	2079972	2211561	12301	0.6	2211561.392384		ug/L
ê	Tl	205	19	8	4	50.0	-0.000005	**-0.0009**	ug/L
ê	Pb	208	233	264	12	4.5	0.000008	**-0.0023**	ug/L
ê	Bi	209	15	16	1	7.4	-0.000000	**-0.0047**	ug/L
ê	Th	232	43	43	3	7.4	-0.000001	**-0.0009**	ug/L
ë	U	238	3	2	1	50.0	-0.000001	**-0.0009**	ug/L
	C	13	41698	44145	243	0.5	2447.000960		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	112.931
|	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	110.798
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	105.826
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	106.327
|	Tl	205	
|	Pb	208	
|	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, March 17, 2014 23:19:54
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCV2.122
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	5848	28	0.5	0.004321	**2.7864**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	8701807	87891	1.0	6.421392	**288.1211**	ug/L
ê	Mg	24	1090	5794897	81810	1.4	4.285629	**293.8152**	ug/L
ê	Al	27	4370	782273	11458	1.5	0.574971	**28.7446**	ug/L
ê	K	39	864283	10637457	59595	0.6	7.138870	**289.4629**	ug/L
ê	Ca	44	5853	521634	9595	1.8	0.380929	**598.0761**	ug/L
ê>	Sc	45	1185061	1352062	12020	0.9	1352062.137144		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	82908	1201	1.4	0.049717	**3.1218**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	36551	290	0.8	0.026368	**1.2413**	ug/L
ê	Fe	54	152621	330414	4225	1.3	0.115604	**105.2723**	ug/L
ê	Fe	57	11821	74246	768	1.0	0.044944	**103.8746**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	22285	396	1.8	0.016475	**4.1179**	ug/L
ë	Ni	62	142	3417	69	2.0	0.002407	**3.9977**	ug/L
é	Cu	65	19	13795	233	1.7	0.010102	**2.4610**	ug/L
ê	Cu	63	40	29046	154	0.5	0.021267	**2.4488**	ug/L
ê	Zn	66	62	9956	189	1.9	0.007251	**3.9614**	ug/L
ê	Zn	68	723	7894	70	0.9	0.005195	**3.9949**	ug/L
ê>	Ge	74	1217221	1363745	13521	1.0	1363744.604283		ug/L
ë	As	75	-151	15396	114	0.7	0.011414	**5.4576**	ug/L
é	Se	77	135	2017	20	1.0	0.000719	**10.3937**	ug/L
ê	Se	82	30	[2845]	[19]	[0.7]	[0.001080]	**[10.5150]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	5937	82	1.4	0.002272	**0.6462**	ug/L
ê	Ag	107	5	8551	278	3.3	0.003281	**0.4305**	ug/L
ê	Ag	109	9	9208	250	2.7	0.003532	**0.4175**	ug/L
ê	Cd	111	5	2034	59	2.9	0.000779	**0.3963**	ug/L
ê	Cd	114	41	4682	76	1.6	0.001781	**0.3925**	ug/L
ê>	In	115	2433207	2604645	20691	0.8	2604645.292895		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	5859	107	1.8	0.002247	**0.3824**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2246200	35993	1.6	2246200.147249		ug/L
ê	Tl	205	19	7607	110	1.4	0.003378	**0.2069**	ug/L
ê	Pb	208	233	25313	337	1.3	0.011158	**0.5128**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	43642	231	0.5	1943.791594		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	114.092
⎢	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	112.038
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	107.046
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	107.992
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 17, 2014 23:23:21
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCB2.123
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	1	43.3	-0.000002	**-0.0017**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	22954	127	0.6	0.001761	**-0.1933**	ug/L
ê	Mg	24	1090	1732	217	12.5	0.000366	**0.0229**	ug/L
ê	Al	27	4370	5302	116	2.2	0.000247	**-0.0642**	ug/L
ê	K	39	864283	831415	4038	0.5	-0.112196	**-5.3867**	ug/L
ê	Ca	44	5853	6581	141	2.1	-0.000055	**-0.3351**	ug/L
ê>	Sc	45	1185061	1347663	28244	2.1	1347663.113871		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	16506	723	4.4	0.000635	**0.0364**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1006	40	4.0	0.000081	**0.0033**	ug/L
ê	Fe	54	152621	178613	2311	1.3	0.003808	**3.9206**	ug/L
ê	Fe	57	11821	14063	142	1.0	0.000461	**1.2850**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	22	4	19.4	0.000008	**-0.0073**	ug/L
ë	Ni	62	142	131	8	5.7	-0.000023	**-0.0358**	ug/L
é	Cu	65	19	24	3	12.9	0.000002	**-0.0068**	ug/L
ê	Cu	63	40	54	4	7.0	0.000007	**-0.0156**	ug/L
ê	Zn	66	62	119	14	11.9	0.000037	**-0.0935**	ug/L
ê	Zn	68	723	927	26	2.8	0.000087	**-0.0651**	ug/L
ê>	Ge	74	1217221	1361840	10532	0.8	1361839.643310		ug/L
ë	As	75	-151	-279	63	22.6	-0.000081	**-0.0510**	ug/L
é	Se	77	135	161	11	6.9	0.000007	**0.1059**	ug/L
ê	Se	82	30	[59]	[9]	[15.3]	[0.000010]	**[0.0876]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	18	2	11.7	-0.000000	**-0.0005**	ug/L
ê	Ag	107	5	12	3	26.1	0.000003	**-0.0017**	ug/L
ê	Ag	109	9	9	1	11.1	-0.000000	**-0.0013**	ug/L
ê	Cd	111	5	2	1	69.3	-0.000001	**-0.0012**	ug/L
ê	Cd	114	41	36	10	26.2	-0.000003	**-0.0008**	ug/L
ê>	In	115	2433207	2585619	28063	1.1	2585619.329318		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	24	4	18.2	0.000006	**-0.0007**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2232382	34729	1.6	2232382.234836		ug/L
ê	Tl	205	19	7	2	24.7	-0.000006	**-0.0010**	ug/L
ê	Pb	208	233	271	25	9.1	0.000009	**-0.0022**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	43601	880	2.0	1903.686175		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	113.721
|	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	111.881
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	106.264
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	107.328
|	Tl	205	
|	Pb	208	
|	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: Tuesday, March 18, 2014 00:01:24
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCV3.134
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	6091	100	1.6	0.004455	**2.8729**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	8684205	123106	1.4	6.342700	**284.5870**	ug/L
ê	Mg	24	1090	5844704	98980	1.7	4.277734	**293.2740**	ug/L
ê	Al	27	4370	804620	21655	2.7	0.585326	**29.2637**	ug/L
ê	K	39	864283	10763724	227064	2.1	7.150034	**289.9168**	ug/L
ê	Ca	44	5853	538657	6916	1.3	0.389454	**611.4666**	ug/L
ê>	Sc	45	1185061	1366046	24647	1.8	1366046.321359		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	82836	1200	1.4	0.049038	**3.0791**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	37174	420	1.1	0.026556	**1.2501**	ug/L
ê	Fe	54	152621	335413	3700	1.1	0.116830	**106.3838**	ug/L
ê	Fe	57	11821	74175	897	1.2	0.044337	**102.4735**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	22390	719	3.2	0.016379	**4.0940**	ug/L
ë	Ni	62	142	3431	92	2.7	0.002392	**3.9720**	ug/L
é	Cu	65	19	14093	261	1.9	0.010295	**2.5083**	ug/L
ê	Cu	63	40	29530	438	1.5	0.021566	**2.4834**	ug/L
ê	Zn	66	62	10228	283	2.8	0.007429	**4.0620**	ug/L
ê	Zn	68	723	7787	112	1.4	0.005102	**3.9207**	ug/L
ê>	Ge	74	1217221	1367670	40844	3.0	1367669.668189		ug/L
ë	As	75	-151	15505	504	3.3	0.011462	**5.4806**	ug/L
é	Se	77	135	2016	30	1.5	0.000724	**10.4616**	ug/L
ê	Se	82	30	[2872]	[19]	[0.7]	[0.001097]	**[10.6792]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	6028	121	2.0	0.002321	**0.6601**	ug/L
ê	Ag	107	5	8538	48	0.6	0.003296	**0.4326**	ug/L
ê	Ag	109	9	9217	108	1.2	0.003557	**0.4204**	ug/L
ê	Cd	111	5	1966	18	0.9	0.000757	**0.3853**	ug/L
ê	Cd	114	41	4637	56	1.2	0.001774	**0.3910**	ug/L
ê>	In	115	2433207	2589125	41540	1.6	2589125.360190		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	5846	28	0.5	0.002255	**0.3839**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2225778	17460	0.8	2225777.753849		ug/L
ê	Tl	205	19	7550	105	1.4	0.003383	**0.2072**	ug/L
ê	Pb	208	233	25311	342	1.4	0.011260	**0.5175**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	44330	302	0.7	2632.575030		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	115.272
⎢	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	112.360
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	106.408
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	107.010
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Tuesday, March 18, 2014 00:04:52
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCB3.135
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	2	66.7	-0.000002	**-0.0016**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	23897	257	1.1	0.002348	**-0.1669**	ug/L
ê	Mg	24	1090	1623	56	3.4	0.000277	**0.0168**	ug/L
ê	Al	27	4370	6008	331	5.5	0.000745	**-0.0392**	ug/L
ê	K	39	864283	772259	2533	0.3	-0.159687	**-7.3178**	ug/L
ê	Ca	44	5853	6250	148	2.4	-0.000327	**-0.7626**	ug/L
ê>	Sc	45	1185061	1355862	18942	1.4	1355861.875771		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	16051	417	2.6	0.000227	**0.0108**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1051	16	1.5	0.000110	**0.0046**	ug/L
ê	Fe	54	152621	180346	1744	1.0	0.004243	**4.3143**	ug/L
ê	Fe	57	11821	13894	280	2.0	0.000275	**0.8554**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	22	4	19.3	0.000008	**-0.0073**	ug/L
ë	Ni	62	142	72	3	4.8	-0.000067	**-0.1094**	ug/L
é	Cu	65	19	20	8	37.6	-0.000001	**-0.0074**	ug/L
ê	Cu	63	40	54	8	14.9	0.000007	**-0.0156**	ug/L
ê	Zn	66	62	132	6	4.4	0.000047	**-0.0877**	ug/L
ê	Zn	68	723	916	24	2.6	0.000084	**-0.0670**	ug/L
ê>	Ge	74	1217221	1351227	7605	0.6	1351226.964515		ug/L
ë	As	75	-151	-222	26	11.6	-0.000040	**-0.0315**	ug/L
é	Se	77	135	146	6	4.1	0.000001	**0.0201**	ug/L
ê	Se	82	30	[62]	0	0.0	[0.000012]	**[0.0977]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	20	6	28.0	0.000001	**-0.0003**	ug/L
ê	Ag	107	5	9	4	37.6	0.000002	**-0.0019**	ug/L
ê	Ag	109	9	6	1	16.7	-0.000001	**-0.0014**	ug/L
ê	Cd	111	5	4	1	25.0	-0.000001	**-0.0007**	ug/L
ê	Cd	114	41	43	4	9.9	-0.000000	**-0.0002**	ug/L
ê>	In	115	2433207	2585379	37792	1.5	2585378.540518		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	27	9	31.6	0.000007	**-0.0005**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2209618	26659	1.2	2209618.013517		ug/L
ê	Tl	205	19	4	2	56.8	-0.000007	**-0.0011**	ug/L
ê	Pb	208	233	252	14	5.6	0.000002	**-0.0025**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	43958	289	0.7	2259.758826		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	114.413
⎢	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	111.009
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	106.254
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	106.233
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Tuesday, March 18, 2014 00:42:53
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCV4.146
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	6211	159	2.6	0.004425	**2.8530**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	9034055	88406	1.0	6.425527	**288.3068**	ug/L
ê	Mg	24	1090	6010950	13352	0.2	4.284212	**293.7181**	ug/L
ê	Al	27	4370	809380	9751	1.2	0.573328	**28.6623**	ug/L
ê	K	39	864283	11013431	172113	1.6	7.122965	**288.8161**	ug/L
ê	Ca	44	5853	537848	14085	2.6	0.378536	**594.3171**	ug/L
ê>	Sc	45	1185061	1402829	14801	1.1	1402828.711987		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	84020	625	0.7	0.048285	**3.0318**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	38076	182	0.5	0.026479	**1.2465**	ug/L
ê	Fe	54	152621	348217	7201	2.1	0.119474	**108.7805**	ug/L
ê	Fe	57	11821	75140	591	0.8	0.043591	**100.7536**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	22913	322	1.4	0.016327	**4.0808**	ug/L
ë	Ni	62	142	3539	99	2.8	0.002403	**3.9904**	ug/L
é	Cu	65	19	14315	141	1.0	0.010235	**2.4935**	ug/L
ê	Cu	63	40	30344	498	1.6	0.021696	**2.4985**	ug/L
ê	Zn	66	62	10217	210	2.1	0.007266	**3.9702**	ug/L
ê	Zn	68	723	8029	202	2.5	0.005156	**3.9642**	ug/L
ê>	Ge	74	1217221	1396447	4679	0.3	1396446.556205		ug/L
ë	As	75	-151	15863	617	3.9	0.011484	**5.4911**	ug/L
é	Se	77	135	2097	84	4.0	0.000744	**10.7574**	ug/L
ê	Se	82	30	[2994]	[83]	[2.8]	[0.001129]	**[10.9892]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	6077	86	1.4	0.002309	**0.6567**	ug/L
ê	Ag	107	5	8700	182	2.1	0.003315	**0.4350**	ug/L
ê	Ag	109	9	9308	127	1.4	0.003544	**0.4190**	ug/L
ê	Cd	111	5	1982	21	1.0	0.000753	**0.3832**	ug/L
ê	Cd	114	41	4641	154	3.3	0.001752	**0.3860**	ug/L
ê>	In	115	2433207	2623883	38255	1.5	2623882.858752		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	5994	77	1.3	0.002281	**0.3883**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2240035	16419	0.7	2240035.463801		ug/L
ê	Tl	205	19	7574	73	1.0	0.003372	**0.2066**	ug/L
ê	Pb	208	233	25720	374	1.5	0.011370	**0.5225**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	45832	522	1.1	4133.972647		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	118.376
⎢	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	114.724
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	107.836
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	107.695
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Tuesday, March 18, 2014 00:46:20
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCB4.147
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	2	86.6	-0.000003	**-0.0021**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	24938	429	1.7	0.002200	**-0.1736**	ug/L
ê	Mg	24	1090	1662	70	4.2	0.000245	**0.0146**	ug/L
ê	Al	27	4370	6073	414	6.8	0.000569	**-0.0481**	ug/L
ê	K	39	864283	774173	5109	0.7	-0.186753	**-8.4184**	ug/L
ê	Ca	44	5853	6223	79	1.3	-0.000577	**-1.1547**	ug/L
ê>	Sc	45	1185061	1426878	3111	0.2	1426878.426769		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	16319	527	3.2	-0.000173	**-0.0144**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1146	31	2.7	0.000137	**0.0059**	ug/L
ê	Fe	54	152621	188726	1997	1.1	0.003477	**3.6204**	ug/L
ê	Fe	57	11821	14504	371	2.6	0.000189	**0.6576**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	18	3	16.7	0.000004	**-0.0082**	ug/L
ë	Ni	62	142	71	10	13.9	-0.000071	**-0.1153**	ug/L
é	Cu	65	19	24	2	8.6	0.000002	**-0.0068**	ug/L
ê	Cu	63	40	58	2	3.6	0.000009	**-0.0154**	ug/L
ê	Zn	66	62	135	6	4.8	0.000046	**-0.0885**	ug/L
ê	Zn	68	723	951	23	2.4	0.000089	**-0.0636**	ug/L
ê>	Ge	74	1217221	1394258	13452	1.0	1394258.410451		ug/L
ë	As	75	-151	-228	28	12.3	-0.000039	**-0.0312**	ug/L
é	Se	77	135	154	10	6.6	0.000003	**0.0497**	ug/L
ê	Se	82	30	[67]	[9]	[13.8]	[0.000013]	**[0.1141]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	19	5	27.0	-0.000000	**-0.0005**	ug/L
ê	Ag	107	5	10	3	33.3	0.000002	**-0.0018**	ug/L
ê	Ag	109	9	7	2	22.9	-0.000001	**-0.0014**	ug/L
ê	Cd	111	5	4	1	15.7	-0.000001	**-0.0008**	ug/L
ê	Cd	114	41	41	9	22.9	-0.000001	**-0.0005**	ug/L
ê>	In	115	2433207	2625871	22630	0.9	2625871.190516		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	32	8	25.8	0.000009	**-0.0002**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2238663	30503	1.4	2238663.445838		ug/L
ê	Tl	205	19	7	2	34.6	-0.000006	**-0.0010**	ug/L
ê	Pb	208	233	292	11	3.9	0.000018	**-0.0018**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	46328	406	0.9	4630.568096		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	120.406
|	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	114.544
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	107.918
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	107.630
|	Tl	205	
|	Pb	208	
|	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: Tuesday, March 18, 2014 01:17:27
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCV5.156
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	6436	162	2.5	0.004433	**2.8586**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	9214442	49734	0.5	6.336816	**284.3227**	ug/L
ê	Mg	24	1090	6105938	21878	0.4	4.208197	**288.5066**	ug/L
ê	Al	27	4370	828336	5802	0.7	0.567319	**28.3611**	ug/L
ê	K	39	864283	11246665	114056	1.0	7.023058	**284.7536**	ug/L
ê	Ca	44	5853	561835	7807	1.4	0.382395	**600.3791**	ug/L
ê>	Sc	45	1185061	1450735	13976	1.0	1450735.226875		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	86734	1721	2.0	0.048174	**3.0249**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	39244	617	1.6	0.026387	**1.2422**	ug/L
ê	Fe	54	152621	358397	2628	0.7	0.118262	**107.6819**	ug/L
ê	Fe	57	11821	77617	1940	2.5	0.043537	**100.6289**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	23409	95	0.4	0.016128	**4.0310**	ug/L
ë	Ni	62	142	3685	46	1.2	0.002421	**4.0202**	ug/L
é	Cu	65	19	14613	194	1.3	0.010417	**2.5380**	ug/L
ê	Cu	63	40	31048	51	0.2	0.022132	**2.5490**	ug/L
ê	Zn	66	62	10611	145	1.4	0.007524	**4.1149**	ug/L
ê	Zn	68	723	8268	60	0.7	0.005309	**4.0853**	ug/L
ê>	Ge	74	1217221	1400880	12102	0.9	1400879.879766		ug/L
ë	As	75	-151	16525	251	1.5	0.011920	**5.7001**	ug/L
é	Se	77	135	2088	10	0.5	0.000733	**10.5957**	ug/L
ê	Se	82	30	[3078]	[76]	[2.5]	[0.001149]	**[11.1912]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	6429	84	1.3	0.002419	**0.6880**	ug/L
ê	Ag	107	5	8897	103	1.2	0.003356	**0.4405**	ug/L
ê	Ag	109	9	9329	108	1.2	0.003518	**0.4158**	ug/L
ê	Cd	111	5	2042	48	2.4	0.000769	**0.3909**	ug/L
ê	Cd	114	41	4695	92	2.0	0.001755	**0.3869**	ug/L
ê>	In	115	2433207	2649483	32549	1.2	2649483.086253		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	5999	102	1.7	0.002261	**0.3849**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2254752	6700	0.3	2254751.766057		ug/L
ê	Tl	205	19	7689	131	1.7	0.003401	**0.2083**	ug/L
ê	Pb	208	233	25898	431	1.7	0.011374	**0.5227**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	47057	200	0.4	5359.608903		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	122.419
|	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	115.088
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	108.889
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	108.403
|	Tl	205	
|	Pb	208	
|	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: Tuesday, March 18, 2014 01:20:55
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCB5.157
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	2	78.1	-0.000002	**-0.0018**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	25697	375	1.5	0.002889	**-0.1426**	ug/L
ê	Mg	24	1090	1803	56	3.1	0.000355	**0.0221**	ug/L
ê	Al	27	4370	6778	794	11.7	0.001103	**-0.0213**	ug/L
ê	K	39	864283	768156	2462	0.3	-0.186247	**-8.3978**	ug/L
ê	Ca	44	5853	6212	17	0.3	-0.000547	**-1.1071**	ug/L
ê>	Sc	45	1185061	1414479	5881	0.4	1414478.709010		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	16021	342	2.1	-0.000283	**-0.0213**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1128	32	2.8	0.000132	**0.0057**	ug/L
ê	Fe	54	152621	188411	3739	2.0	0.004409	**4.4650**	ug/L
ê	Fe	57	11821	14657	339	2.3	0.000387	**1.1139**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	19	6	32.8	0.000005	**-0.0079**	ug/L
ë	Ni	62	142	55	5	8.3	-0.000081	**-0.1330**	ug/L
é	Cu	65	19	28	6	21.2	0.000004	**-0.0062**	ug/L
ê	Cu	63	40	58	18	30.2	0.000009	**-0.0154**	ug/L
ê	Zn	66	62	131	2	1.3	0.000043	**-0.0900**	ug/L
ê	Zn	68	723	965	25	2.5	0.000098	**-0.0565**	ug/L
ê>	Ge	74	1217221	1396199	9160	0.7	1396198.572421		ug/L
ë	As	75	-151	-240	35	14.7	-0.000048	**-0.0353**	ug/L
é	Se	77	135	160	5	3.1	0.000006	**0.0884**	ug/L
ê	Se	82	30	[72]	[5]	[6.9]	[0.000015]	**[0.1323]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	23	3	13.0	0.000001	**-0.0001**	ug/L
ê	Ag	107	5	3	1	34.6	-0.000001	**-0.0022**	ug/L
ê	Ag	109	9	6	1	16.7	-0.000001	**-0.0014**	ug/L
ê	Cd	111	5	3	2	62.4	-0.000001	**-0.0008**	ug/L
ê	Cd	114	41	41	11	26.9	-0.000001	**-0.0005**	ug/L
ê>	In	115	2433207	2614638	13393	0.5	2614638.028128		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	26	3	9.8	0.000007	**-0.0006**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2239400	14644	0.7	2239400.200689		ug/L
ê	Tl	205	19	7	4	56.8	-0.000006	**-0.0010**	ug/L
ê	Pb	208	233	274	14	4.9	0.000010	**-0.0021**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	47700	398	0.8	6001.735964		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	119.359
|	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	114.704
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	107.456
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	107.665
|	Tl	205	
|	Pb	208	
|	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: Tuesday, March 18, 2014 01:58:55
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCV6.168
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	6567	142	2.2	0.004450	**2.8694**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	9576794	111711	1.2	6.479183	**290.7166**	ug/L
ê	Mg	24	1090	6392619	45368	0.7	4.334074	**297.1366**	ug/L
ê	Al	27	4370	859729	15024	1.7	0.579373	**28.9653**	ug/L
ê	K	39	864283	11616345	212510	1.8	7.148945	**289.8725**	ug/L
ê	Ca	44	5853	567468	11181	2.0	0.379923	**596.4955**	ug/L
ê>	Sc	45	1185061	1474752	17293	1.2	1474752.391886		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	88775	576	0.6	0.048592	**3.0511**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	39521	1451	3.7	0.026142	**1.2306**	ug/L
ê	Fe	54	152621	355267	3973	1.1	0.112126	**102.1185**	ug/L
ê	Fe	57	11821	81067	842	1.0	0.045002	**104.0083**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	23772	643	2.7	0.016115	**4.0277**	ug/L
ë	Ni	62	142	3737	40	1.1	0.002414	**4.0091**	ug/L
é	Cu	65	19	14451	115	0.8	0.009951	**2.4240**	ug/L
ê	Cu	63	40	31517	284	0.9	0.021704	**2.4994**	ug/L
ê	Zn	66	62	10729	66	0.6	0.007349	**4.0166**	ug/L
ê	Zn	68	723	8368	141	1.7	0.005177	**3.9806**	ug/L
ê>	Ge	74	1217221	1450233	19434	1.3	1450233.226227		ug/L
ë	As	75	-151	16612	507	3.1	0.011583	**5.5388**	ug/L
é	Se	77	135	2086	18	0.9	0.000719	**10.3904**	ug/L
ê	Se	82	30	[3112]	[104]	[3.3]	[0.001143]	**[11.1280]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	6357	186	2.9	0.002353	**0.6690**	ug/L
ê	Ag	107	5	9093	149	1.6	0.003373	**0.4427**	ug/L
ê	Ag	109	9	9578	157	1.6	0.003551	**0.4198**	ug/L
ê	Cd	111	5	2137	35	1.6	0.000791	**0.4025**	ug/L
ê	Cd	114	41	4804	86	1.8	0.001766	**0.3892**	ug/L
ê>	In	115	2433207	2694653	30234	1.1	2694652.876291		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	6048	12	0.2	0.002242	**0.3816**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2291680	25526	1.1	2291679.723495		ug/L
ê	Tl	205	19	7859	42	0.5	0.003421	**0.2096**	ug/L
ê	Pb	208	233	26564	360	1.4	0.011479	**0.5276**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	46788	773	1.7	5090.406466		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	124.445
|	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	119.143
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	110.745
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	110.178
|	Tl	205	
|	Pb	208	
|	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: Tuesday, March 18, 2014 02:02:22
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCB6.169
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	1	43.3	-0.000002	**-0.0018**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	26411	471	1.8	0.002793	**-0.1469**	ug/L
ê	Mg	24	1090	2411	601	24.9	0.000728	**0.0477**	ug/L
ê	Al	27	4370	6138	243	4.0	0.000512	**-0.0509**	ug/L
ê	K	39	864283	796456	6072	0.8	-0.184404	**-8.3229**	ug/L
ê	Ca	44	5853	6558	230	3.5	-0.000452	**-0.9579**	ug/L
ê>	Sc	45	1185061	1461750	20534	1.4	1461749.881312		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	17643	239	1.4	0.000462	**0.0255**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1134	39	3.4	0.000110	**0.0046**	ug/L
ê	Fe	54	152621	193298	3776	2.0	0.003491	**3.6330**	ug/L
ê	Fe	57	11821	17133	304	1.8	0.001749	**4.2547**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	18	4	21.7	0.000004	**-0.0083**	ug/L
ë	Ni	62	142	67	1	0.9	-0.000074	**-0.1218**	ug/L
é	Cu	65	19	26	4	16.8	0.000003	**-0.0066**	ug/L
ê	Cu	63	40	58	5	8.9	0.000008	**-0.0156**	ug/L
ê	Zn	66	62	146	19	13.1	0.000051	**-0.0854**	ug/L
ê	Zn	68	723	1022	40	3.9	0.000121	**-0.0382**	ug/L
ê>	Ge	74	1217221	1430619	4400	0.3	1430618.733331		ug/L
ë	As	75	-151	-245	49	19.9	-0.000047	**-0.0350**	ug/L
é	Se	77	135	153	8	5.3	0.000001	**0.0254**	ug/L
ê	Se	82	30	[63]	[6]	[9.9]	[0.000011]	**[0.0915]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	19	5	26.3	-0.000000	**-0.0006**	ug/L
ê	Ag	107	5	6	1	18.2	0.000000	**-0.0020**	ug/L
ê	Ag	109	9	5	3	60.0	-0.000002	**-0.0014**	ug/L
ê	Cd	111	5	3	1	21.7	-0.000001	**-0.0010**	ug/L
ê	Cd	114	41	43	4	10.0	-0.000001	**-0.0004**	ug/L
ê>	In	115	2433207	2698159	11904	0.4	2698158.907163		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	25	10	41.1	0.000006	**-0.0007**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2290808	34745	1.5	2290807.646324		ug/L
ê	Tl	205	19	5	2	44.6	-0.000007	**-0.0010**	ug/L
ê	Pb	208	233	275	6	2.0	0.000008	**-0.0022**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	47225	321	0.7	5526.827473		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	123.348
|	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	117.532
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	110.889
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	110.136
|	Tl	205	
|	Pb	208	
|	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: Tuesday, March 18, 2014 02:40:22
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCV7.180
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	6557	170	2.6	0.004468	**2.8809**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	9499958	133985	1.4	6.463762	**290.0240**	ug/L
ê	Mg	24	1090	6348665	99663	1.6	4.329073	**296.7937**	ug/L
ê	Al	27	4370	858734	9033	1.1	0.582000	**29.0969**	ug/L
ê	K	39	864283	11552396	159532	1.4	7.149386	**289.8905**	ug/L
ê	Ca	44	5853	570523	7396	1.3	0.384158	**603.1479**	ug/L
ê>	Sc	45	1185061	1466250	9476	0.6	1466250.235201		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	88291	1836	2.1	0.048604	**3.0519**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	39391	415	1.1	0.026201	**1.2334**	ug/L
ê	Fe	54	152621	358669	3731	1.0	0.115844	**105.4892**	ug/L
ê	Fe	57	11821	79579	1789	2.2	0.044302	**102.3947**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	23914	279	1.2	0.016302	**4.0745**	ug/L
ë	Ni	62	142	3647	43	1.2	0.002368	**3.9323**	ug/L
é	Cu	65	19	14557	203	1.4	0.010264	**2.5007**	ug/L
ê	Cu	63	40	31500	736	2.3	0.022210	**2.5580**	ug/L
ê	Zn	66	62	10661	98	0.9	0.007477	**4.0889**	ug/L
ê	Zn	68	723	8408	78	0.9	0.005344	**4.1133**	ug/L
ê>	Ge	74	1217221	1416147	11884	0.8	1416147.320017		ug/L
ë	As	75	-151	16226	293	1.8	0.011581	**5.5380**	ug/L
é	Se	77	135	2150	48	2.2	0.000749	**10.8304**	ug/L
ê	Se	82	30	[3090]	[14]	[0.5]	[0.001144]	**[11.1360]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	6451	36	0.6	0.002406	**0.6843**	ug/L
ê	Ag	107	5	8944	161	1.8	0.003344	**0.4389**	ug/L
ê	Ag	109	9	9377	73	0.8	0.003505	**0.4143**	ug/L
ê	Cd	111	5	2063	35	1.7	0.000770	**0.3916**	ug/L
ê	Cd	114	41	4715	220	4.7	0.001747	**0.3850**	ug/L
ê>	In	115	2433207	2673007	34271	1.3	2673007.422426		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	6042	165	2.7	0.002257	**0.3842**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2282940	37080	1.6	2282940.157021		ug/L
ê	Tl	205	19	7791	229	2.9	0.003403	**0.2085**	ug/L
ê	Pb	208	233	26279	329	1.3	0.011400	**0.5239**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	46827	793	1.7	5128.866242		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	123.728
|	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	116.343
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	109.855
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	109.758
|	Tl	205	
|	Pb	208	
|	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: Tuesday, March 18, 2014 02:43:49
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCB7.181
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	2	89.2	-0.000002	**-0.0020**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	28223	1115	4.0	0.003608	**-0.1103**	ug/L
ê	Mg	24	1090	2438	438	18.0	0.000710	**0.0465**	ug/L
ê	Al	27	4370	6222	124	2.0	0.000476	**-0.0527**	ug/L
ê	K	39	864283	792045	3187	0.4	-0.199218	**-8.9253**	ug/L
ê	Ca	44	5853	6375	72	1.1	-0.000672	**-1.3045**	ug/L
ê>	Sc	45	1185061	1494282	14463	1.0	1494281.787000		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	17425	146	0.8	0.000051	**-0.0003**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1170	39	3.3	0.000117	**0.0050**	ug/L
ê	Fe	54	152621	193142	5138	2.7	0.000454	**0.8799**	ug/L
ê	Fe	57	11821	15521	471	3.0	0.000414	**1.1772**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	19	6	31.6	0.000004	**-0.0082**	ug/L
ë	Ni	62	142	77	7	9.1	-0.000069	**-0.1120**	ug/L
é	Cu	65	19	28	13	44.7	0.000004	**-0.0063**	ug/L
ê	Cu	63	40	56	11	19.6	0.000006	**-0.0157**	ug/L
ê	Zn	66	62	138	14	10.1	0.000045	**-0.0891**	ug/L
ê	Zn	68	723	1014	18	1.7	0.000109	**-0.0474**	ug/L
ê>	Ge	74	1217221	1442347	6628	0.5	1442346.505891		ug/L
ë	As	75	-151	-290	30	10.2	-0.000078	**-0.0494**	ug/L
é	Se	77	135	163	14	8.4	0.000005	**0.0805**	ug/L
ê	Se	82	30	[59]	[10]	[16.4]	[0.000010]	**[0.0788]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	18	5	31.3	-0.000001	**-0.0007**	ug/L
ê	Ag	107	5	12	5	40.5	0.000002	**-0.0018**	ug/L
ê	Ag	109	9	6	4	55.5	-0.000001	**-0.0014**	ug/L
ê	Cd	111	5	6	2	40.8	0.000000	**-0.0004**	ug/L
ê	Cd	114	41	39	2	3.9	-0.000002	**-0.0007**	ug/L
ê>	In	115	2433207	2693763	22241	0.8	2693762.687391		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	30	8	26.4	0.000008	**-0.0004**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2279035	5005	0.2	2279034.604519		ug/L
ê	Tl	205	19	9	5	53.3	-0.000005	**-0.0009**	ug/L
ê	Pb	208	233	293	39	13.2	0.000017	**-0.0018**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	47111	316	0.7	5413.119548		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	126.093
|	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	118.495
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	110.708
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	109.570
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-BLK1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 02:47:17
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 302

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-BLK1.182
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	1	1	43.3	-0.000003	**-0.0248**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	108151	12408	11.5	0.051972	**20.6175**	ug/L
ê	Mg	24	1090	3736	457	12.2	0.001403	**0.9398**	ug/L
ê	Al	27	4370	10048	414	4.1	0.002567	**0.5212**	ug/L
ê	K	39	864283	845488	18041	2.1	-0.202908	**-90.7528**	ug/L
ê	Ca	44	5853	7152	276	3.9	-0.000487	**-10.1386**	ug/L
ê>	Sc	45	1185061	1606379	40782	2.5	1606378.508336		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	19349	356	1.8	0.000437	**0.2398**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1554	44	2.8	0.000302	**0.1367**	ug/L
ê	Fe	54	152621	274285	2963	1.1	0.042011	**385.5429**	ug/L
ê	Fe	57	11821	16531	76	0.5	0.000319	**9.5768**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	27	7	26.5	0.000008	**-0.0707**	ug/L
ë	Ni	62	142	68	9	13.1	-0.000077	**-1.2674**	ug/L
é	Cu	65	19	71	28	38.8	0.000030	**0.0019**	ug/L
ê	Cu	63	40	141	42	29.9	0.000059	**-0.0967**	ug/L
ê	Zn	66	62	1623	84	5.1	0.001003	**4.4954**	ug/L
ê	Zn	68	723	2129	43	2.0	0.000788	**4.9250**	ug/L
ê>	Ge	74	1217221	1540542	5487	0.4	1540541.730212		ug/L
ë	As	75	-151	-236	116	49.0	-0.000029	**-0.2632**	ug/L
é	Se	77	135	167	28	16.9	0.000004	**0.6470**	ug/L
ê	Se	82	30	[79]	[11]	[14.2]	[0.000016]	**[1.3942]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	28	2	7.4	0.000003	**0.0026**	ug/L
ê	Ag	107	5	11	2	15.7	0.000002	**-0.0181**	ug/L
ê	Ag	109	9	4	2	48.0	-0.000002	**-0.0149**	ug/L
ê	Cd	111	5	6	1	10.2	-0.000000	**-0.0046**	ug/L
ê	Cd	114	41	45	3	6.8	-0.000001	**-0.0035**	ug/L
ê>	In	115	2433207	2806550	22286	0.8	2806550.350666		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	33	4	12.4	0.000009	**-0.0031**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2369366	44194	1.9	2369366.011806		ug/L
ê	Tl	205	19	8	4	49.4	-0.000006	**-0.0097**	ug/L
ê	Pb	208	233	332	17	5.0	0.000028	**-0.0130**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	56783	357	0.6	15084.859982		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	135.552
⎢	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	126.562
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	115.344
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	113.913
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-BLK2
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 02:50:44
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 303

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-BLK2.183
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	1	1	43.3	-0.000003	**-0.0247**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	87428	9234	10.6	0.039272	**14.9139**	ug/L
ê	Mg	24	1090	6236	3010	48.3	0.002981	**2.0218**	ug/L
ê	Al	27	4370	13003	1888	14.5	0.004428	**1.4540**	ug/L
ê	K	39	864283	845092	8329	1.0	-0.202419	**-90.5540**	ug/L
ê	Ca	44	5853	7248	253	3.5	-0.000419	**-9.0650**	ug/L
ê>	Sc	45	1185061	1604151	18286	1.1	1604150.856865		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	18284	656	3.6	-0.000209	**-0.1666**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1610	9	0.5	0.000338	**0.1537**	ug/L
ê	Fe	54	152621	269727	4463	1.7	0.039378	**361.6686**	ug/L
ê	Fe	57	11821	16607	438	2.6	0.000379	**10.9547**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	35	5	14.7	0.000013	**-0.0587**	ug/L
ë	Ni	62	142	72	11	15.0	-0.000075	**-1.2298**	ug/L
é	Cu	65	19	73	10	13.4	0.000032	**0.0066**	ug/L
ê	Cu	63	40	150	21	14.1	0.000066	**-0.0877**	ug/L
ê	Zn	66	62	1949	24	1.2	0.001235	**5.7971**	ug/L
ê	Zn	68	723	2376	47	2.0	0.000974	**6.3971**	ug/L
ê>	Ge	74	1217221	1516316	15873	1.0	1516316.373026		ug/L
ë	As	75	-151	-250	13	5.1	-0.000041	**-0.3191**	ug/L
é	Se	77	135	157	2	1.0	0.000001	**0.2339**	ug/L
ê	Se	82	30	[64]	[3]	[4.1]	[0.000011]	**[0.8883]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	21	6	26.7	0.000000	**-0.0042**	ug/L
ê	Ag	107	5	9	4	40.1	0.000001	**-0.0190**	ug/L
ê	Ag	109	9	5	2	34.6	-0.000002	**-0.0146**	ug/L
ê	Cd	111	5	3	1	34.6	-0.000001	**-0.0088**	ug/L
ê	Cd	114	41	35	3	8.5	-0.000004	**-0.0111**	ug/L
ê>	In	115	2433207	2774971	34980	1.3	2774970.534612		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	27	6	22.2	0.000007	**-0.0064**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2354108	42018	1.8	2354108.420271		ug/L
ê	Tl	205	19	6	1	10.2	-0.000007	**-0.0102**	ug/L
ê	Pb	208	233	330	39	11.7	0.000028	**-0.0132**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	59182	465	0.8	17484.572370		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	135.364
|	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	124.572
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	114.046
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	113.180
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-BLK3
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 02:54:11
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 304

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-BLK3.184
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	1	34.6	-0.000003	**-0.0235**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	397109	2000	0.5	0.229035	**100.1389**	ug/L
ê	Mg	24	1090	4774	167	3.5	0.002018	**1.3615**	ug/L
ê	Al	27	4370	12544	226	1.8	0.004031	**1.2550**	ug/L
ê	K	39	864283	827961	2115	0.3	-0.219961	**-97.6872**	ug/L
ê	Ca	44	5853	7219	170	2.4	-0.000498	**-10.3082**	ug/L
ê>	Sc	45	1185061	1625724	24816	1.5	1625723.933305		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	18854	50	0.3	-0.000011	**-0.0422**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1523	8	0.5	0.000271	**0.1222**	ug/L
ê	Fe	54	152621	271534	4790	1.8	0.038234	**351.3022**	ug/L
ê	Fe	57	11821	16627	185	1.1	0.000253	**8.0595**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	35	1	2.6	0.000013	**-0.0589**	ug/L
ë	Ni	62	142	77	10	12.4	-0.000073	**-1.1923**	ug/L
é	Cu	65	19	44	7	14.7	0.000014	**-0.0392**	ug/L
ê	Cu	63	40	107	10	8.9	0.000038	**-0.1207**	ug/L
ê	Zn	66	62	2257	104	4.6	0.001437	**6.9375**	ug/L
ê	Zn	68	723	2628	18	0.7	0.001139	**7.7148**	ug/L
ê>	Ge	74	1217221	1516380	6506	0.4	1516380.482697		ug/L
ë	As	75	-151	-303	24	8.0	-0.000076	**-0.4881**	ug/L
é	Se	77	135	172	6	3.2	0.000006	**0.9686**	ug/L
ê	Se	82	30	[60]	[5]	[7.9]	[0.000009]	**[0.7288]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	29	3	8.6	0.000003	**0.0041**	ug/L
ê	Ag	107	5	5	1	21.7	-0.000000	**-0.0208**	ug/L
ê	Ag	109	9	5	1	24.7	-0.000002	**-0.0147**	ug/L
ê	Cd	111	5	2	2	65.5	-0.000001	**-0.0106**	ug/L
ê	Cd	114	41	43	6	12.9	-0.000001	**-0.0049**	ug/L
ê>	In	115	2433207	2783978	7756	0.3	2783978.224750		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	23	4	15.5	0.000005	**-0.0091**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2387533	4251	0.2	2387533.033213		ug/L
ê	Tl	205	19	9	2	17.6	-0.000005	**-0.0094**	ug/L
ê	Pb	208	233	313	4	1.3	0.000019	**-0.0173**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	58891	402	0.7	17193.371409		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	137.185
|	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	124.577
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	114.416
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	114.787
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-BLK4
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 02:57:38
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 305

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-BLK4.185
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	2	86.6	-0.000003	**-0.0220**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	72517	1822	2.5	0.029843	**10.6793**	ug/L
ê	Mg	24	1090	4566	71	1.5	0.001921	**1.2948**	ug/L
ê	Al	27	4370	12584	102	0.8	0.004142	**1.3106**	ug/L
ê	K	39	864283	824654	7753	0.9	-0.216252	**-96.1789**	ug/L
ê	Ca	44	5853	7102	86	1.2	-0.000520	**-10.6447**	ug/L
ê>	Sc	45	1185061	1607514	21694	1.3	1607513.946766		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	18886	535	2.8	0.000142	**0.0542**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1480	64	4.4	0.000255	**0.1147**	ug/L
ê	Fe	54	152621	266915	1889	0.7	0.037266	**342.5245**	ug/L
ê	Fe	57	11821	16401	113	0.7	0.000229	**7.5018**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	22	3	15.8	0.000005	**-0.0789**	ug/L
ë	Ni	62	142	72	6	7.7	-0.000075	**-1.2348**	ug/L
é	Cu	65	19	53	18	34.1	0.000019	**-0.0249**	ug/L
ê	Cu	63	40	103	22	21.2	0.000035	**-0.1240**	ug/L
ê	Zn	66	62	2206	76	3.4	0.001400	**6.7278**	ug/L
ê	Zn	68	723	2602	45	1.7	0.001117	**7.5380**	ug/L
ê>	Ge	74	1217221	1520844	8393	0.6	1520843.866390		ug/L
ë	As	75	-151	-279	66	23.8	-0.000060	**-0.4094**	ug/L
é	Se	77	135	172	10	6.0	0.000006	**0.9334**	ug/L
ê	Se	82	30	[69]	[18]	[26.4]	[0.000012]	**[1.0418]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	20	6	28.6	0.000000	**-0.0051**	ug/L
ê	Ag	107	5	8	2	21.7	0.000001	**-0.0195**	ug/L
ê	Ag	109	9	5	2	32.7	-0.000002	**-0.0147**	ug/L
ê	Cd	111	5	4	2	48.0	-0.000001	**-0.0070**	ug/L
ê	Cd	114	41	37	4	9.9	-0.000004	**-0.0100**	ug/L
ê>	In	115	2433207	2800447	16014	0.6	2800446.719398		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	17	6	33.0	0.000003	**-0.0128**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2361111	6338	0.3	2361111.350311		ug/L
ê	Tl	205	19	6	1	10.2	-0.000007	**-0.0102**	ug/L
ê	Pb	208	233	304	10	3.3	0.000017	**-0.0184**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	59490	817	1.4	17792.524612		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	135.648
⎢	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	124.944
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	115.093
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	113.517
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-BS1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 03:01:05
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 306

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-BS1.186
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3054	53	1.7	0.001913	**12.3335**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	47959	770	1.6	0.014831	**3.9372**	ug/L
ê	Mg	24	1090	3070	84	2.7	0.001007	**0.6685**	ug/L
ê	Al	27	4370	325684	3224	1.0	0.200763	**99.8692**	ug/L
ê	K	39	864283	822099	10890	1.3	-0.213241	**-94.9545**	ug/L
ê	Ca	44	5853	6875	64	0.9	-0.000623	**-12.2637**	ug/L
ê>	Sc	45	1185061	1593153	16896	1.1	1593152.921740		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	70557	1154	1.6	0.032676	**20.5057**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	20240	279	1.4	0.012040	**5.6650**	ug/L
ê	Fe	54	152621	390939	5112	1.3	0.116621	**1061.9358**	ug/L
ê	Fe	57	11821	62542	183	0.3	0.029283	**677.5669**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	28	2	7.4	0.000009	**-0.0697**	ug/L
ë	Ni	62	142	73	2	2.7	-0.000074	**-1.2145**	ug/L
é	Cu	65	19	14140	170	1.2	0.009108	**22.1824**	ug/L
ê	Cu	63	40	30172	439	1.5	0.019435	**22.3641**	ug/L
ê	Zn	66	62	35812	306	0.9	0.023058	**128.4722**	ug/L
ê	Zn	68	723	25749	76	0.3	0.016021	**125.9963**	ug/L
ê>	Ge	74	1217221	1549870	17261	1.1	1549870.067502		ug/L
ë	As	75	-151	1755	22	1.2	0.001257	**5.8988**	ug/L
é	Se	77	135	552	13	2.3	0.000140	**20.2176**	ug/L
ê	Se	82	30	[672]	[11]	[1.6]	[0.000225]	**[21.7842]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	4766	68	1.4	0.001676	**4.7657**	ug/L
ê	Ag	107	5	31143	250	0.8	0.011000	**14.4827**	ug/L
ê	Ag	109	9	32377	264	0.8	0.011434	**13.5444**	ug/L
ê	Cd	111	5	1496	27	1.8	0.000526	**2.6759**	ug/L
ê	Cd	114	41	3675	8	0.2	0.001282	**2.8238**	ug/L
ê>	In	115	2433207	2830855	9525	0.3	2830855.426284		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	3667	16	0.4	0.001293	**2.1925**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2380079	7781	0.3	2380079.028775		ug/L
ê	Tl	205	19	4153	90	2.2	0.001736	**1.0604**	ug/L
ê	Pb	208	233	30036	311	1.0	0.012508	**5.7510**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	59382	730	1.2	17683.736945		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	134.436
|	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	127.329
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	116.343
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	114.428
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-SRM1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 03:04:32
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 307

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-SRM1.187
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	25	4	16.4	0.000011	**0.0679**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	297251272	1722406	0.6	182.957470	**82165.9739**	ug/L
ê	Mg	24	1090	12319580	156434	1.3	7.582508	**5198.4525**	ug/L
ê	Al	27	4370	22928020	275082	1.2	14.109779	**7071.9464**	ug/L
ê	K	39	864283	319849349	10790008	3.4	196.149814	**79752.0013**	ug/L
ê	Ca	44	5853	1546492	17629	1.1	0.946969	**14871.5257**	ug/L
ê>	Sc	45	1185061	1624598	9002	0.6	1624598.475864		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	46026	2032	4.4	0.016717	**10.4734**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	68866	1107	1.6	0.041722	**19.6437**	ug/L
ê	Fe	54	152621	626047	16860	2.7	0.256556	**2330.5582**	ug/L
ê	Fe	57	11821	159083	723	0.5	0.087947	**2030.5109**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	4708	26	0.5	0.002890	**7.1466**	ug/L
ë	Ni	62	142	831	20	2.4	0.000391	**6.5134**	ug/L
é	Cu	65	19	63809	633	1.0	0.042182	**102.9920**	ug/L
ê	Cu	63	40	136244	3727	2.7	0.090063	**104.2354**	ug/L
ê	Zn	66	62	90534	1539	1.7	0.059815	**335.0982**	ug/L
ê	Zn	68	723	64140	477	0.7	0.041822	**331.0607**	ug/L
ê>	Ge	74	1217221	1512277	21187	1.4	1512276.911192		ug/L
ë	As	75	-151	12345	277	2.2	0.008290	**39.6048**	ug/L
é	Se	77	135	693	9	1.3	0.000195	**28.2354**	ug/L
ê	Se	82	30	[883]	[13]	[1.5]	[0.000307]	**[29.7487]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	2017	35	1.7	0.000722	**2.0487**	ug/L
ê	Ag	107	5	429	4	0.8	0.000153	**0.1810**	ug/L
ê	Ag	109	9	424	4	0.8	0.000150	**0.1652**	ug/L
ê	Cd	111	5	969	27	2.7	0.000348	**1.7681**	ug/L
ê	Cd	114	41	2310	26	1.1	0.000818	**1.8020**	ug/L
ê>	In	115	2433207	2766638	12661	0.5	2766637.782779		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	73	12	16.5	0.000024	**0.0223**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2389052	22480	0.9	2389051.650355		ug/L
ê	Tl	205	19	258	31	12.0	0.000099	**0.0548**	ug/L
ê	Pb	208	233	7514	39	0.5	0.003033	**1.3749**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	352033	3745	1.1	310335.549199		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	137.090
|	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	124.240
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	113.703
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	114.860
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-SRM2
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 03:07:59
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 308

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-SRM2.188
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	18	5	29.0	0.000007	**0.0406**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	431954840	4261282	1.0	267.298148	**120044.5241**	ug/L
ê	Mg	24	1090	16223223	87546	0.5	10.037212	**6881.3673**	ug/L
ê	Al	27	4370	151085	8805	5.8	0.089881	**44.2884**	ug/L
ê	K	39	864283	355742511	4354949	1.2	219.436187	**89220.9211**	ug/L
ê	Ca	44	5853	1689817	53978	3.2	1.040382	**16338.7746**	ug/L
ê>	Sc	45	1185061	1616630	35927	2.2	1616629.930681		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	43564	1422	3.3	0.015334	**9.6044**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	338538	8634	2.6	0.208806	**98.3318**	ug/L
ê	Fe	54	152621	461558	8325	1.8	0.156827	**1426.4395**	ug/L
ê	Fe	57	11821	91930	1502	1.6	0.046903	**1083.9208**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	19581	50	0.3	0.012109	**30.2408**	ug/L
ë	Ni	62	142	3066	75	2.4	0.001777	**29.5118**	ug/L
é	Cu	65	19	1971300	15067	0.8	1.300637	**3177.8451**	ug/L
ê	Cu	63	40	4316573	18273	0.4	2.847913	**3301.0998**	ug/L
ê	Zn	66	62	230659	3108	1.3	0.152146	**854.1144**	ug/L
ê	Zn	68	723	160397	1363	0.8	0.105224	**834.9907**	ug/L
ê>	Ge	74	1217221	1515945	21916	1.4	1515944.758222		ug/L
ë	As	75	-151	123900	949	0.8	0.081872	**392.2402**	ug/L
é	Se	77	135	1760	51	2.9	0.000580	**83.8700**	ug/L
ê	Se	82	30	[2812]	[21]	[0.7]	[0.001003]	**[97.6393]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	25882	200	0.8	0.009339	**26.5713**	ug/L
ê	Ag	107	5	147683	1011	0.7	0.053325	**70.2901**	ug/L
ê	Ag	109	9	149463	1996	1.3	0.053966	**63.9728**	ug/L
ê	Cd	111	5	135875	516	0.4	0.049060	**249.8371**	ug/L
ê	Cd	114	41	318051	976	0.3	0.114824	**253.1903**	ug/L
ê>	In	115	2433207	2769746	30119	1.1	2769746.147298		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	576	3	0.5	0.000205	**0.3326**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2390980	14654	0.6	2390979.993409		ug/L
ê	Tl	205	19	290	8	2.8	0.000112	**0.0628**	ug/L
ê	Pb	208	233	7369	93	1.3	0.002970	**1.3458**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	327519	1672	0.5	285820.806345		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	136.417
⎢	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	124.541
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	113.831
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	114.953
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Tuesday, March 18, 2014 03:11:28
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCV8.189
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	6453	60	0.9	0.004263	**2.7488**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	9609217	203912	2.1	6.339600	**284.4477**	ug/L
ê	Mg	24	1090	6323636	140581	2.2	4.180555	**286.6115**	ug/L
ê	Al	27	4370	861656	12028	1.4	0.566109	**28.3004**	ug/L
ê	K	39	864283	11869068	194903	1.6	7.119424	**288.6721**	ug/L
ê	Ca	44	5853	582836	15376	2.6	0.380415	**597.2690**	ug/L
ê>	Sc	45	1185061	1512471	22043	1.5	1512470.633642		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	89130	1166	1.3	0.047334	**2.9720**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	39811	625	1.6	0.025658	**1.2078**	ug/L
ê	Fe	54	152621	363221	785	0.2	0.111402	**101.4625**	ug/L
ê	Fe	57	11821	80897	404	0.5	0.043517	**100.5835**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	24421	324	1.3	0.016138	**4.0336**	ug/L
ë	Ni	62	142	3706	12	0.3	0.002330	**3.8705**	ug/L
é	Cu	65	19	15352	288	1.9	0.010753	**2.6201**	ug/L
ê	Cu	63	40	32128	268	0.8	0.022502	**2.5919**	ug/L
ê	Zn	66	62	10750	149	1.4	0.007490	**4.0959**	ug/L
ê	Zn	68	723	8466	152	1.8	0.005344	**4.1138**	ug/L
ê>	Ge	74	1217221	1425726	6374	0.4	1425725.706503		ug/L
ë	As	75	-151	16448	193	1.2	0.011660	**5.5758**	ug/L
é	Se	77	135	2134	13	0.6	0.000732	**10.5758**	ug/L
ê	Se	82	30	[3069]	[66]	[2.2]	[0.001119]	**[10.8970]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	6507	126	1.9	0.002392	**0.6803**	ug/L
ê	Ag	107	5	9249	331	3.6	0.003409	**0.4474**	ug/L
ê	Ag	109	9	9762	59	0.6	0.003596	**0.4251**	ug/L
ê	Cd	111	5	2075	67	3.2	0.000763	**0.3880**	ug/L
ê	Cd	114	41	4793	99	2.1	0.001750	**0.3857**	ug/L
ê>	In	115	2433207	2712329	26846	1.0	2712328.963257		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	6017	80	1.3	0.002216	**0.3771**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2295420	16576	0.7	2295419.882051		ug/L
ê	Tl	205	19	7995	175	2.2	0.003474	**0.2128**	ug/L
ê	Pb	208	233	26566	302	1.1	0.011461	**0.5268**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	49400	584	1.2	7702.505556		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	127.628
⎢	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	117.130
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	111.471
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	110.358
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Tuesday, March 18, 2014 03:14:56
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCB8.190
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	1	49.5	-0.000002	**-0.0020**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	33589	1671	5.0	0.007758	**0.0760**	ug/L
ê	Mg	24	1090	1911	238	12.5	0.000391	**0.0246**	ug/L
ê	Al	27	4370	5327	108	2.0	-0.000036	**-0.0784**	ug/L
ê	K	39	864283	801149	3508	0.4	-0.180013	**-8.1443**	ug/L
ê	Ca	44	5853	6386	147	2.3	-0.000560	**-1.1285**	ug/L
ê>	Sc	45	1185061	1458757	24130	1.7	1458756.774717		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	17765	542	3.1	0.000567	**0.0321**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1101	10	0.9	0.000089	**0.0037**	ug/L
ê	Fe	54	152621	194392	1286	0.7	0.004495	**4.5430**	ug/L
ê	Fe	57	11821	15776	330	2.1	0.000843	**2.1666**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	23	5	22.6	0.000008	**-0.0073**	ug/L
ë	Ni	62	142	75	6	7.4	-0.000069	**-0.1126**	ug/L
é	Cu	65	19	72	41	57.1	0.000035	**0.0013**	ug/L
ê	Cu	63	40	185	122	65.6	0.000097	**-0.0052**	ug/L
ê	Zn	66	62	183	9	4.7	0.000078	**-0.0707**	ug/L
ê	Zn	68	723	994	23	2.3	0.000102	**-0.0534**	ug/L
ê>	Ge	74	1217221	1429651	9072	0.6	1429650.565809		ug/L
ë	As	75	-151	-258	38	14.9	-0.000057	**-0.0395**	ug/L
é	Se	77	135	176	5	3.0	0.000010	**0.1538**	ug/L
ê	Se	82	30	[81]	[7]	[8.9]	[0.000018]	**[0.1588]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	23	4	15.5	0.000001	**-0.0001**	ug/L
ê	Ag	107	5	14	5	36.8	0.000003	**-0.0017**	ug/L
ê	Ag	109	9	5	1	20.0	-0.000002	**-0.0014**	ug/L
ê	Cd	111	5	3	1	34.6	-0.000001	**-0.0009**	ug/L
ê	Cd	114	41	45	10	22.0	0.000000	**-0.0001**	ug/L
ê>	In	115	2433207	2677860	6479	0.2	2677859.681594		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	41	2	3.8	0.000012	**0.0003**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2258548	20900	0.9	2258548.308913		ug/L
ê	Tl	205	19	7	3	37.7	-0.000006	**-0.0010**	ug/L
ê	Pb	208	233	283	17	6.1	0.000013	**-0.0020**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	49370	550	1.1	7672.400860		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	123.096
|	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	117.452
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	110.055
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	108.586
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-01RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 03:18:25
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 309

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-01RE1.191
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	1	21.7	-0.000002	**-0.0195**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	213463007	1428885	0.7	131.466139	**59040.5144**	ug/L
ê	Mg	24	1090	21679637	129770	0.6	13.351901	**9153.8770**	ug/L
ê	Al	27	4370	16599	138	0.8	0.006536	**2.5104**	ug/L
ê	K	39	864283	144847876	954858	0.7	88.485356	**35972.4866**	ug/L
ê	Ca	44	5853	325990	2012	0.6	0.195839	**3073.5628**	ug/L
ê>	Sc	45	1185061	1624148	34852	2.1	1624148.430875		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	21766	991	4.6	0.001798	**1.0955**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	18511	434	2.3	0.010733	**5.0493**	ug/L
ê	Fe	54	152621	271121	6488	2.4	0.038250	**351.4495**	ug/L
ê	Fe	57	11821	19804	320	1.6	0.002220	**53.4116**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	288	27	9.4	0.000169	**0.3314**	ug/L
ë	Ni	62	142	138	6	4.7	-0.000035	**-0.5670**	ug/L
é	Cu	65	19	50320	893	1.8	0.033236	**81.1347**	ug/L
ê	Cu	63	40	109346	2061	1.9	0.072223	**83.5554**	ug/L
ê	Zn	66	62	59646	1006	1.7	0.039365	**220.1409**	ug/L
ê	Zn	68	723	41816	458	1.1	0.027042	**213.5942**	ug/L
ê>	Ge	74	1217221	1513375	30847	2.0	1513375.325215		ug/L
ë	As	75	-151	104234	2334	2.2	0.068997	**330.5383**	ug/L
é	Se	77	135	345	26	7.6	0.000069	**10.0262**	ug/L
ê	Se	82	30	[261]	[2]	[0.9]	[0.000082]	**[7.8119]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	175	16	9.2	0.000056	**0.1538**	ug/L
ê	Ag	107	5	63	7	11.8	0.000021	**0.0065**	ug/L
ê	Ag	109	9	61	10	15.7	0.000018	**0.0093**	ug/L
ê	Cd	111	5	65	4	5.4	0.000022	**0.1051**	ug/L
ê	Cd	114	41	179	9	5.2	0.000048	**0.1033**	ug/L
ê>	In	115	2433207	2770925	24031	0.9	2770924.553096		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	40	2	4.3	0.000011	**0.0017**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2398949	14486	0.6	2398948.974452		ug/L
ê	Tl	205	19	22	5	20.8	0.000000	**-0.0060**	ug/L
ê	Pb	208	233	2245	63	2.8	0.000824	**0.3545**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	164399	1024	0.6	122701.121928		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	137.052
⎢	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	124.330
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	113.880
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	115.336
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-DUP1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 03:21:52
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 310

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-DUP1.192
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	2	57.3	-0.000002	**-0.0194**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	213528655	643800	0.3	131.570413	**59087.3449**	ug/L
ê	Mg	24	1090	21804498	84668	0.4	13.436365	**9211.7846**	ug/L
ê	Al	27	4370	16428	92	0.6	0.006436	**2.4606**	ug/L
ê	K	39	864283	145856863	1666272	1.1	89.162049	**36247.6499**	ug/L
ê	Ca	44	5853	329918	5101	1.5	0.198403	**3113.8272**	ug/L
ê>	Sc	45	1185061	1623071	27820	1.7	1623071.332286		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	23045	284	1.2	0.002592	**1.5942**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	19090	382	2.0	0.011098	**5.2212**	ug/L
ê	Fe	54	152621	272289	2361	0.9	0.039021	**358.4394**	ug/L
ê	Fe	57	11821	21274	430	2.0	0.003137	**74.5638**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	2687	63	2.4	0.001648	**4.0364**	ug/L
ë	Ni	62	142	506	4	0.8	0.000192	**3.2010**	ug/L
é	Cu	65	19	51966	452	0.9	0.034605	**84.4797**	ug/L
ê	Cu	63	40	113327	1710	1.5	0.075467	**87.3153**	ug/L
ê	Zn	66	62	59050	850	1.4	0.039289	**219.7121**	ug/L
ê	Zn	68	723	41523	987	2.4	0.027071	**213.8212**	ug/L
ê>	Ge	74	1217221	1501006	4886	0.3	1501005.503910		ug/L
ë	As	75	-151	101567	1085	1.1	0.067789	**324.7484**	ug/L
é	Se	77	135	347	27	7.8	0.000071	**10.2513**	ug/L
ê	Se	82	30	[282]	[20]	[7.2]	[0.000090]	**[8.6176]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	167	2	1.3	0.000053	**0.1470**	ug/L
ê	Ag	107	5	75	3	3.3	0.000025	**0.0127**	ug/L
ê	Ag	109	9	61	8	12.3	0.000019	**0.0097**	ug/L
ê	Cd	111	5	60	6	10.4	0.000020	**0.0960**	ug/L
ê	Cd	114	41	197	14	7.0	0.000055	**0.1185**	ug/L
ê>	In	115	2433207	2755251	17569	0.6	2755251.391154		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	27	10	35.3	0.000007	**-0.0063**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2390446	4565	0.2	2390446.222037		ug/L
ê	Tl	205	19	18	3	17.3	-0.000002	**-0.0071**	ug/L
ê	Pb	208	233	2109	82	3.9	0.000770	**0.3298**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	169481	261	0.2	127783.305646		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	136.961
⎢	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	123.314
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	113.235
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	114.927
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-MS1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 03:25:19
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 311

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-MS1.193
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2996	96	3.2	0.001844	**11.8886**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	199053959	2185696	1.1	122.766136	**55133.2240**	ug/L
ê	Mg	24	1090	20527120	252670	1.2	12.660836	**8680.0914**	ug/L
ê	Al	27	4370	326290	2658	0.8	0.197573	**98.2704**	ug/L
ê	K	39	864283	137470672	1412364	1.0	84.056888	**34171.7422**	ug/L
ê	Ca	44	5853	305330	3242	1.1	0.183396	**2878.1151**	ug/L
ê>	Sc	45	1185061	1621411	15185	0.9	1621410.604163		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	74019	2117	2.9	0.034043	**21.3649**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	36535	125	0.3	0.021868	**10.2933**	ug/L
ê	Fe	54	152621	390515	6221	1.6	0.112078	**1020.7580**	ug/L
ê	Fe	57	11821	66666	539	0.8	0.031143	**720.4621**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	259	32	12.5	0.000151	**0.2868**	ug/L
ë	Ni	62	142	152	8	5.3	-0.000026	**-0.4153**	ug/L
é	Cu	65	19	67211	324	0.5	0.044288	**108.1379**	ug/L
ê	Cu	63	40	144098	276	0.2	0.094956	**109.9068**	ug/L
ê	Zn	66	62	90823	603	0.7	0.059815	**335.0932**	ug/L
ê	Zn	68	723	63885	1072	1.7	0.041510	**328.5873**	ug/L
ê>	Ge	74	1217221	1517352	27638	1.8	1517351.678725		ug/L
ë	As	75	-151	98007	2643	2.7	0.064708	**309.9802**	ug/L
é	Se	77	135	717	36	5.0	0.000204	**29.5624**	ug/L
ê	Se	82	30	[871]	[17]	[2.0]	[0.000303]	**[29.3876]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	4973	149	3.0	0.001793	**5.0976**	ug/L
ê	Ag	107	5	31221	478	1.5	0.011303	**14.8824**	ug/L
ê	Ag	109	9	31464	453	1.4	0.011388	**13.4900**	ug/L
ê	Cd	111	5	1570	29	1.9	0.000567	**2.8805**	ug/L
ê	Cd	114	41	3769	71	1.9	0.001348	**2.9702**	ug/L
ê>	In	115	2433207	2761931	23062	0.8	2761931.456218		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	3786	41	1.1	0.001368	**2.3212**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2364021	6778	0.3	2364020.780182		ug/L
ê	Tl	205	19	4078	32	0.8	0.001716	**1.0482**	ug/L
ê	Pb	208	233	30977	736	2.4	0.012991	**5.9745**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	159366	796	0.5	117667.891547		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	136.821
|	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	124.657
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	113.510
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	113.656
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-MSD1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 03:28:46
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 312

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-MSD1.194
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3012	65	2.2	0.001853	**11.9454**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	205314598	1540601	0.8	126.562294	**56838.1305**	ug/L
ê	Mg	24	1090	20989470	76361	0.4	12.939206	**8870.9384**	ug/L
ê	Al	27	4370	331657	933	0.3	0.200783	**99.8797**	ug/L
ê	K	39	864283	140891388	667841	0.5	86.133485	**35016.1474**	ug/L
ê	Ca	44	5853	316955	3128	1.0	0.190458	**2989.0323**	ug/L
ê>	Sc	45	1185061	1622108	12908	0.8	1622108.272583		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	75228	1675	2.2	0.034763	**21.8177**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	36681	453	1.2	0.021947	**10.3304**	ug/L
ê	Fe	54	152621	398939	7999	2.0	0.117154	**1066.7716**	ug/L
ê	Fe	57	11821	68147	534	0.8	0.032039	**741.1132**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	275	8	2.9	0.000161	**0.3115**	ug/L
ë	Ni	62	142	166	26	15.7	-0.000018	**-0.2751**	ug/L
é	Cu	65	19	66024	933	1.4	0.041898	**102.2991**	ug/L
ê	Cu	63	40	142763	1916	1.3	0.090596	**104.8526**	ug/L
ê	Zn	66	62	91447	1302	1.4	0.058002	**324.9065**	ug/L
ê	Zn	68	723	64488	791	1.2	0.040344	**319.3193**	ug/L
ê>	Ge	74	1217221	1575239	3125	0.2	1575238.684259		ug/L
ë	As	75	-151	101930	1384	1.4	0.064833	**310.5805**	ug/L
é	Se	77	135	728	36	4.9	0.000207	**29.9503**	ug/L
ê	Se	82	30	[905]	[49]	[5.4]	[0.000313]	**[30.4086]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	5152	194	3.8	0.001848	**5.2537**	ug/L
ê	Ag	107	5	30732	315	1.0	0.011066	**14.5705**	ug/L
ê	Ag	109	9	31177	165	0.5	0.011225	**13.2962**	ug/L
ê	Cd	111	5	1581	49	3.1	0.000567	**2.8844**	ug/L
ê	Cd	114	41	3714	41	1.1	0.001321	**2.9106**	ug/L
ê>	In	115	2433207	2776660	16420	0.6	2776659.704533		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	3787	46	1.2	0.001361	**2.3094**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2371219	37640	1.6	2371219.175794		ug/L
ê	Tl	205	19	4118	59	1.4	0.001728	**1.0555**	ug/L
ê	Pb	208	233	31063	457	1.5	0.012991	**5.9741**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	158648	440	0.3	116949.956710		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	136.880
|	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	129.413
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	114.115
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	114.002
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-02RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 03:32:14
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 313

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-02RE1.195
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	1	34.6	-0.000002	**-0.0168**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	177970299	112100	0.1	109.569194	**49206.2975**	ug/L
ê	Mg	24	1090	18809451	189090	1.0	11.580867	**7939.6778**	ug/L
ê	Al	27	4370	33802	183	0.5	0.017125	**7.8187**	ug/L
ê	K	39	864283	135622737	2035429	1.5	82.774196	**33650.1622**	ug/L
ê	Ca	44	5853	298494	1684	0.6	0.178867	**2806.9692**	ug/L
ê>	Sc	45	1185061	1624187	18994	1.2	1624186.541363		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	23650	789	3.3	0.002955	**1.8222**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	12364	229	1.9	0.006947	**3.2665**	ug/L
ê	Fe	54	152621	278579	3241	1.2	0.042761	**392.3456**	ug/L
ê	Fe	57	11821	22967	495	2.2	0.004166	**98.3003**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	667	28	4.1	0.000402	**0.9158**	ug/L
ë	Ni	62	142	218	20	9.0	0.000014	**0.2565**	ug/L
é	Cu	65	19	58976	247	0.4	0.038186	**93.2305**	ug/L
ê	Cu	63	40	126872	900	0.7	0.082141	**95.0516**	ug/L
ê	Zn	66	62	54519	832	1.5	0.035268	**197.1115**	ug/L
ê	Zn	68	723	38253	182	0.5	0.024183	**190.8683**	ug/L
ê>	Ge	74	1217221	1544112	24846	1.6	1544111.751589		ug/L
ë	As	75	-151	103742	977	0.9	0.067316	**322.4810**	ug/L
é	Se	77	135	336	22	6.6	0.000066	**9.5786**	ug/L
ê	Se	82	30	[275]	[9]	[3.3]	[0.000087]	**[8.3491]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	134	12	8.6	0.000041	**0.1128**	ug/L
ê	Ag	107	5	50	3	5.7	0.000016	**0.0007**	ug/L
ê	Ag	109	9	43	2	5.4	0.000012	**0.0016**	ug/L
ê	Cd	111	5	39	9	23.5	0.000012	**0.0568**	ug/L
ê	Cd	114	41	115	16	13.9	0.000025	**0.0529**	ug/L
ê>	In	115	2433207	2765160	19945	0.7	2765160.215138		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	29	2	6.0	0.000007	**-0.0051**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2364585	5825	0.2	2364584.623180		ug/L
ê	Tl	205	19	24	8	34.1	0.000001	**-0.0054**	ug/L
ê	Pb	208	233	1692	26	1.5	0.000604	**0.2528**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	155414	1144	0.7	113716.396046		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	137.055
⎢	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	126.855
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	113.643
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	113.683
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-03RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 03:35:41
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 314

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-03RE1.196
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	1	24.7	-0.000003	**-0.0209**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	202637396	694598	0.3	123.912502	**55648.0726**	ug/L
ê	Mg	24	1090	21231919	135422	0.6	12.985141	**8902.4308**	ug/L
ê	Al	27	4370	49572	499	1.0	0.026629	**12.5826**	ug/L
ê	K	39	864283	140514321	3740937	2.7	85.195385	**34634.6882**	ug/L
ê	Ca	44	5853	331803	2682	0.8	0.197992	**3107.3684**	ug/L
ê>	Sc	45	1185061	1635497	31850	1.9	1635496.926671		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	23753	1163	4.9	0.002919	**1.7999**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	15062	243	1.6	0.008546	**4.0196**	ug/L
ê	Fe	54	152621	283239	4067	1.4	0.044454	**407.6908**	ug/L
ê	Fe	57	11821	23991	223	0.9	0.004699	**110.5783**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	69	18	26.8	0.000034	**-0.0080**	ug/L
ë	Ni	62	142	141	14	9.6	-0.000034	**-0.5457**	ug/L
é	Cu	65	19	34364	577	1.7	0.022273	**54.3492**	ug/L
ê	Cu	63	40	75375	2259	3.0	0.048856	**56.4688**	ug/L
ê	Zn	66	62	54372	841	1.5	0.035213	**196.8003**	ug/L
ê	Zn	68	723	38442	95	0.2	0.024340	**192.1132**	ug/L
ê>	Ge	74	1217221	1541809	7140	0.5	1541808.865431		ug/L
ë	As	75	-151	111843	636	0.6	0.072665	**348.1151**	ug/L
é	Se	77	135	340	25	7.4	0.000069	**10.0085**	ug/L
ê	Se	82	30	[271]	[13]	[4.7]	[0.000087]	**[8.3123]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	143	24	17.0	0.000045	**0.1226**	ug/L
ê	Ag	107	5	40	0	0.0	0.000013	**-0.0040**	ug/L
ê	Ag	109	9	49	8	16.7	0.000014	**0.0046**	ug/L
ê	Cd	111	5	42	7	15.6	0.000013	**0.0632**	ug/L
ê	Cd	114	41	133	11	8.6	0.000032	**0.0681**	ug/L
ê>	In	115	2433207	2735762	32967	1.2	2735762.091551		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	26	5	20.4	0.000006	**-0.0068**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2334220	19951	0.9	2334219.798243		ug/L
ê	Tl	205	19	16	5	28.6	-0.000002	**-0.0075**	ug/L
ê	Pb	208	233	749	10	1.3	0.000209	**0.0704**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	155034	2552	1.6	113335.746365		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	138.010
⎢	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	126.666
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	112.434
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	112.224
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-04RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 03:39:08
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 315

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-04RE1.197
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	1	50.0	-0.000003	**-0.0221**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	192476925	606143	0.3	119.317574	**53584.4281**	ug/L
ê	Mg	24	1090	20812262	287394	1.4	12.899190	**8843.5039**	ug/L
ê	Al	27	4370	34396	430	1.2	0.017633	**8.0731**	ug/L
ê	K	39	864283	150888718	1431040	0.9	92.828603	**37738.5780**	ug/L
ê	Ca	44	5853	300634	10315	3.4	0.181351	**2845.9929**	ug/L
ê>	Sc	45	1185061	1613602	38240	2.4	1613601.941256		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	24026	386	1.6	0.003286	**2.0305**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	20407	369	1.8	0.011982	**5.6375**	ug/L
ê	Fe	54	152621	282465	8355	3.0	0.046342	**424.8044**	ug/L
ê	Fe	57	11821	24279	290	1.2	0.005075	**119.2473**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	246	47	19.2	0.000143	**0.2672**	ug/L
ë	Ni	62	142	167	21	12.3	-0.000017	**-0.2562**	ug/L
é	Cu	65	19	66095	1045	1.6	0.043104	**105.2448**	ug/L
ê	Cu	63	40	143391	2237	1.6	0.093504	**108.2238**	ug/L
ê	Zn	66	62	58246	1230	2.1	0.037946	**212.1653**	ug/L
ê	Zn	68	723	41733	106	0.3	0.026631	**210.3213**	ug/L
ê>	Ge	74	1217221	1532975	12106	0.8	1532974.633886		ug/L
ë	As	75	-151	97860	56	0.1	0.063963	**306.4105**	ug/L
é	Se	77	135	367	5	1.2	0.000079	**11.4326**	ug/L
ê	Se	82	30	[305]	[21]	[6.8]	[0.000099]	**[9.5061]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	113	2	1.8	0.000034	**0.0922**	ug/L
ê	Ag	107	5	55	9	16.4	0.000018	**0.0034**	ug/L
ê	Ag	109	9	44	2	4.7	0.000013	**0.0025**	ug/L
ê	Cd	111	5	69	11	16.2	0.000023	**0.1132**	ug/L
ê	Cd	114	41	184	11	6.0	0.000051	**0.1096**	ug/L
ê>	In	115	2433207	2732938	42379	1.6	2732938.295615		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	36	13	36.7	0.000010	**-0.0002**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2354161	13362	0.6	2354161.045618		ug/L
ê	Tl	205	19	18	1	3.3	-0.000001	**-0.0071**	ug/L
ê	Pb	208	233	3982	116	2.9	0.001579	**0.7035**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	161875	2107	1.3	120177.627375		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	136.162
⎢	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	125.941
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	112.318
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	113.182
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-05RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 03:42:35
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 316

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-05RE1.198
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	0	0.0	-0.000002	**-0.0181**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	221094827	774728	0.4	137.130206	**61584.3241**	ug/L
ê	Mg	24	1090	22080482	61490	0.3	13.695627	**9389.5315**	ug/L
ê	Al	27	4370	43606	213	0.5	0.023361	**10.9445**	ug/L
ê	K	39	864283	129371629	683042	0.5	79.519105	**32326.5470**	ug/L
ê	Ca	44	5853	356861	7098	2.0	0.216408	**3396.6263**	ug/L
ê>	Sc	45	1185061	1612146	9236	0.6	1612146.309812		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	23986	247	1.0	0.003268	**2.0193**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	13761	214	1.6	0.007870	**3.7011**	ug/L
ê	Fe	54	152621	275974	4175	1.5	0.042409	**389.1550**	ug/L
ê	Fe	57	11821	25263	569	2.3	0.005696	**133.5875**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	266	8	3.0	0.000157	**0.3003**	ug/L
ë	Ni	62	142	182	15	8.3	-0.000007	**-0.1047**	ug/L
é	Cu	65	19	55240	346	0.6	0.036517	**89.1525**	ug/L
ê	Cu	63	40	120085	2647	2.2	0.079392	**91.8657**	ug/L
ê	Zn	66	62	51837	280	0.5	0.034230	**191.2716**	ug/L
ê	Zn	68	723	37045	918	2.5	0.023902	**188.6322**	ug/L
ê>	Ge	74	1217221	1512207	16347	1.1	1512207.474571		ug/L
ë	As	75	-151	81460	1129	1.4	0.053991	**258.6211**	ug/L
é	Se	77	135	357	3	0.9	0.000075	**10.9086**	ug/L
ê	Se	82	30	[293]	[21]	[7.3]	[0.000095]	**[9.0740]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	141	1	0.5	0.000044	**0.1210**	ug/L
ê	Ag	107	5	69	7	9.6	0.000023	**0.0101**	ug/L
ê	Ag	109	9	81	4	4.5	0.000026	**0.0184**	ug/L
ê	Cd	111	5	48	9	19.6	0.000016	**0.0750**	ug/L
ê	Cd	114	41	165	24	14.5	0.000044	**0.0943**	ug/L
ê>	In	115	2433207	2736951	24113	0.9	2736951.442295		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	21	6	29.2	0.000005	**-0.0101**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2338930	18917	0.8	2338929.766756		ug/L
ê	Tl	205	19	17	1	3.5	-0.000002	**-0.0073**	ug/L
ê	Pb	208	233	2553	58	2.3	0.000979	**0.4263**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	147309	921	0.6	105611.186089		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	136.039
⎢	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	124.234
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	112.483
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	112.450
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-06RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 03:46:02
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 317

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-06RE1.199
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	2	91.7	-0.000003	**-0.0234**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	197754248	2359080	1.2	122.720918	**55112.9161**	ug/L
ê	Mg	24	1090	20955199	115488	0.6	13.005233	**8916.2060**	ug/L
ê	Al	27	4370	35008	574	1.6	0.018042	**8.2779**	ug/L
ê	K	39	864283	145881145	1115386	0.8	89.816152	**36513.6273**	ug/L
ê	Ca	44	5853	298287	4724	1.6	0.180191	**2827.7766**	ug/L
ê>	Sc	45	1185061	1611198	7496	0.5	1611198.183567		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	23281	444	1.9	0.002838	**1.7493**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	12878	291	2.3	0.007326	**3.4451**	ug/L
ê	Fe	54	152621	269047	2113	0.8	0.038204	**351.0339**	ug/L
ê	Fe	57	11821	23655	68	0.3	0.004706	**110.7568**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	164	22	13.6	0.000093	**0.1417**	ug/L
ë	Ni	62	142	157	14	8.6	-0.000022	**-0.3543**	ug/L
é	Cu	65	19	59396	500	0.8	0.039378	**96.1427**	ug/L
ê	Cu	63	40	129246	2001	1.5	0.085697	**99.1740**	ug/L
ê	Zn	66	62	55977	573	1.0	0.037075	**207.2670**	ug/L
ê	Zn	68	723	39587	997	2.5	0.025664	**202.6399**	ug/L
ê>	Ge	74	1217221	1507763	10625	0.7	1507762.696599		ug/L
ë	As	75	-151	82075	355	0.4	0.054560	**261.3505**	ug/L
é	Se	77	135	371	22	5.8	0.000082	**11.9118**	ug/L
ê	Se	82	30	[296]	[6]	[2.2]	[0.000097]	**[9.3585]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	101	9	8.5	0.000030	**0.0812**	ug/L
ê	Ag	107	5	57	4	7.3	0.000019	**0.0047**	ug/L
ê	Ag	109	9	41	4	9.8	0.000012	**0.0013**	ug/L
ê	Cd	111	5	30	3	10.1	0.000009	**0.0424**	ug/L
ê	Cd	114	41	100	7	6.9	0.000020	**0.0427**	ug/L
ê>	In	115	2433207	2695751	27452	1.0	2695751.019155		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	23	9	39.8	0.000006	**-0.0082**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2342535	21112	0.9	2342534.602992		ug/L
ê	Tl	205	19	21	3	11.8	0.000000	**-0.0061**	ug/L
ê	Pb	208	233	1860	39	2.1	0.000682	**0.2889**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	154338	1014	0.7	112639.812266		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	135.959
|	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	123.869
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	110.790
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	112.623
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-07RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 03:49:29
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 318

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-07RE1.200
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	1	49.5	-0.000002	**-0.0207**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	192523729	2845271	1.5	120.418244	**54078.7539**	ug/L
ê	Mg	24	1090	20358501	71217	0.3	12.733859	**8730.1553**	ug/L
ê	Al	27	4370	35180	238	0.7	0.018319	**8.4169**	ug/L
ê	K	39	864283	138650631	3406028	2.5	86.008172	**34965.1914**	ug/L
ê	Ca	44	5853	319572	4659	1.5	0.194974	**3059.9684**	ug/L
ê>	Sc	45	1185061	1598708	10835	0.7	1598708.145218		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	24336	464	1.9	0.003614	**2.2367**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	12213	239	2.0	0.006974	**3.2788**	ug/L
ê	Fe	54	152621	276583	8794	3.2	0.044226	**405.6212**	ug/L
ê	Fe	57	11821	24741	152	0.6	0.005500	**129.0644**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	67	17	25.3	0.000034	**-0.0078**	ug/L
ë	Ni	62	142	154	20	13.1	-0.000024	**-0.3722**	ug/L
é	Cu	65	19	51527	485	0.9	0.034044	**83.1089**	ug/L
ê	Cu	63	40	111043	1515	1.4	0.073366	**84.8806**	ug/L
ê	Zn	66	62	60526	743	1.2	0.039957	**223.4659**	ug/L
ê	Zn	68	723	42841	393	0.9	0.027724	**219.0142**	ug/L
ê>	Ge	74	1217221	1512851	10800	0.7	1512850.865508		ug/L
ë	As	75	-151	105296	1870	1.8	0.069723	**334.0171**	ug/L
é	Se	77	135	350	37	10.6	0.000074	**10.6984**	ug/L
ê	Se	82	30	[290]	[25]	[8.5]	[0.000095]	**[9.0685]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	125	6	4.8	0.000039	**0.1059**	ug/L
ê	Ag	107	5	136	11	8.3	0.000048	**0.0429**	ug/L
ê	Ag	109	9	134	11	8.2	0.000046	**0.0418**	ug/L
ê	Cd	111	5	82	5	5.6	0.000028	**0.1399**	ug/L
ê	Cd	114	41	226	17	7.3	0.000067	**0.1453**	ug/L
ê>	In	115	2433207	2707966	15577	0.6	2707965.578322		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	23	6	24.2	0.000005	**-0.0085**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2315504	28613	1.2	2315503.969652		ug/L
ê	Tl	205	19	20	3	13.2	-0.000000	**-0.0064**	ug/L
ê	Pb	208	233	1611	36	2.2	0.000584	**0.2435**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	152175	1887	1.2	110476.851696		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	134.905
⎢	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	124.287
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	111.292
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	111.324
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 18, 2014 03:52:57
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCV9.201
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	6402	67	1.0	0.004356	**2.8090**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	9451658	26796	0.3	6.422387	**288.1658**	ug/L
ê	Mg	24	1090	6306829	38609	0.6	4.294872	**294.4489**	ug/L
ê	Al	27	4370	865554	11669	1.3	0.585882	**29.2915**	ug/L
ê	K	39	864283	12055619	190380	1.6	7.482498	**303.4358**	ug/L
ê	Ca	44	5853	583150	6376	1.1	0.392267	**615.8841**	ug/L
ê>	Sc	45	1185061	1468196	8048	0.5	1468196.188086		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	89785	396	0.4	0.049545	**3.1110**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	40405	738	1.8	0.026853	**1.2641**	ug/L
ê	Fe	54	152621	363604	5577	1.5	0.118864	**108.2273**	ug/L
ê	Fe	57	11821	85095	739	0.9	0.047986	**110.8909**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	24200	716	3.0	0.016473	**4.1175**	ug/L
ë	Ni	62	142	3736	29	0.8	0.002425	**4.0272**	ug/L
é	Cu	65	19	15060	491	3.3	0.010538	**2.5676**	ug/L
ê	Cu	63	40	32057	206	0.6	0.022436	**2.5842**	ug/L
ê	Zn	66	62	10661	157	1.5	0.007420	**4.0569**	ug/L
ê	Zn	68	723	8324	195	2.3	0.005240	**4.0307**	ug/L
ê>	Ge	74	1217221	1427038	23304	1.6	1427037.633497		ug/L
ë	As	75	-151	16406	294	1.8	0.011622	**5.5572**	ug/L
é	Se	77	135	2100	35	1.7	0.000744	**10.7480**	ug/L
ê	Se	82	30	[3111]	[66]	[2.1]	[0.001171]	**[11.4016]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	6659	37	0.6	0.002526	**0.7183**	ug/L
ê	Ag	107	5	9168	128	1.4	0.003485	**0.4575**	ug/L
ê	Ag	109	9	9578	199	2.1	0.003639	**0.4302**	ug/L
ê	Cd	111	5	2018	33	1.6	0.000766	**0.3894**	ug/L
ê	Cd	114	41	4681	109	2.3	0.001764	**0.3887**	ug/L
ê>	In	115	2433207	2629198	30444	1.2	2629198.453945		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	5986	82	1.4	0.002274	**0.3871**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2258548	6729	0.3	2258548.308913		ug/L
ê	Tl	205	19	7827	187	2.4	0.003457	**0.2118**	ug/L
ê	Pb	208	233	26379	182	0.7	0.011568	**0.5317**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	46554	766	1.6	4856.309964		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	123.892
|	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	117.237
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	108.055
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	108.586
|	Tl	205	
|	Pb	208	
|	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, March 18, 2014 03:56:24
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCB9.202
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	2	78.1	-0.000002	**-0.0018**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	57226	42765	74.7	0.023222	**0.7706**	ug/L
ê	Mg	24	1090	4239	4435	104.6	0.001929	**0.1300**	ug/L
ê	Al	27	4370	5467	163	3.0	0.000001	**-0.0765**	ug/L
ê	K	39	864283	875282	19714	2.3	-0.138882	**-6.4718**	ug/L
ê	Ca	44	5853	6836	112	1.6	-0.000327	**-0.7624**	ug/L
ê>	Sc	45	1185061	1482538	30340	2.0	1482538.223910		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	19513	922	4.7	0.001547	**0.0938**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1123	40	3.6	0.000091	**0.0038**	ug/L
ê	Fe	54	152621	205255	1217	0.6	0.009689	**9.2518**	ug/L
ê	Fe	57	11821	19287	29	0.2	0.003038	**7.2271**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	20	2	12.2	0.000005	**-0.0079**	ug/L
ë	Ni	62	142	115	15	12.8	-0.000042	**-0.0685**	ug/L
é	Cu	65	19	48	4	8.5	0.000017	**-0.0030**	ug/L
ê	Cu	63	40	104	15	14.5	0.000039	**-0.0120**	ug/L
ê	Zn	66	62	186	8	4.3	0.000077	**-0.0708**	ug/L
ê	Zn	68	723	1053	33	3.1	0.000131	**-0.0299**	ug/L
ê>	Ge	74	1217221	1452451	8345	0.6	1452450.927286		ug/L
ë	As	75	-151	-262	39	14.7	-0.000057	**-0.0394**	ug/L
é	Se	77	135	167	9	5.3	0.000007	**0.1113**	ug/L
ê	Se	82	30	[69]	[14]	[19.5]	[0.000014]	**[0.1180]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	26	5	18.6	0.000003	**0.0002**	ug/L
ê	Ag	107	5	8	4	50.0	0.000001	**-0.0019**	ug/L
ê	Ag	109	9	8	2	18.3	-0.000000	**-0.0013**	ug/L
ê	Cd	111	5	4	2	53.3	-0.000000	**-0.0007**	ug/L
ê	Cd	114	41	36	7	19.8	-0.000003	**-0.0009**	ug/L
ê>	In	115	2433207	2660869	19270	0.7	2660869.477878		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	41	2	4.2	0.000012	**0.0003**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2265656	21719	1.0	2265656.489645		ug/L
ê	Tl	205	19	7	3	34.3	-0.000006	**-0.0010**	ug/L
ê	Pb	208	233	301	19	6.2	0.000021	**-0.0016**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	46462	224	0.5	4764.332123		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	125.102
|	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	119.325
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	109.356
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	108.927
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-08RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 03:59:52
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 319

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-08RE1.203
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	1	34.6	-0.000003	**-0.0235**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	206279160	3384864	1.6	125.711638	**56456.0895**	ug/L
ê	Mg	24	1090	21124756	471231	2.2	12.874720	**8826.7276**	ug/L
ê	Al	27	4370	13784	297	2.2	0.004711	**1.5959**	ug/L
ê	K	39	864283	129641050	1381756	1.1	78.274223	**31820.3417**	ug/L
ê	Ca	44	5853	319340	5696	1.8	0.189699	**2977.1190**	ug/L
ê>	Sc	45	1185061	1641115	23041	1.4	1641114.845664		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	23702	397	1.7	0.002835	**1.7472**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	10684	263	2.5	0.005847	**2.7482**	ug/L
ê	Fe	54	152621	270045	2174	0.8	0.035796	**329.1954**	ug/L
ê	Fe	57	11821	23580	486	2.1	0.004393	**103.5331**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	179	13	7.3	0.000101	**0.1604**	ug/L
ë	Ni	62	142	159	8	4.9	-0.000023	**-0.3668**	ug/L
é	Cu	65	19	62028	847	1.4	0.041035	**100.1913**	ug/L
ê	Cu	63	40	134361	4044	3.0	0.088922	**102.9122**	ug/L
ê	Zn	66	62	55318	100	0.2	0.036553	**204.3315**	ug/L
ê	Zn	68	723	38739	216	0.6	0.025042	**197.6924**	ug/L
ê>	Ge	74	1217221	1511971	41382	2.7	1511970.814047		ug/L
ë	As	75	-151	97737	2209	2.3	0.064801	**310.4287**	ug/L
é	Se	77	135	340	18	5.4	0.000069	**9.9772**	ug/L
ê	Se	82	30	[293]	[24]	[8.2]	[0.000094]	**[9.0609]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	118	31	26.3	0.000036	**0.0965**	ug/L
ê	Ag	107	5	44	6	13.0	0.000014	**-0.0023**	ug/L
ê	Ag	109	9	36	9	24.0	0.000010	**-0.0009**	ug/L
ê	Cd	111	5	50	6	11.6	0.000016	**0.0787**	ug/L
ê	Cd	114	41	138	13	9.3	0.000034	**0.0725**	ug/L
ê>	In	115	2433207	2740089	32990	1.2	2740088.993335		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	28	6	21.3	0.000007	**-0.0053**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2359969	26818	1.1	2359968.628501		ug/L
ê	Tl	205	19	14	2	16.1	-0.000003	**-0.0079**	ug/L
ê	Pb	208	233	2213	45	2.0	0.000826	**0.3555**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	147489	567	0.4	105791.351963		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	138.484
⎢	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	124.215
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	112.612
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	113.462
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-09RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 04:03:21
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 320

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-09RE1.204
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	3	107.9	-0.000002	**-0.0208**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	384077356	4177374	1.1	237.414338	**106623.2969**	ug/L
ê	Mg	24	1090	48464609	50993	0.1	29.958930	**20539.4517**	ug/L
ê	Al	27	4370	39619	258	0.7	0.020803	**9.6624**	ug/L
ê	K	39	864283	32325893	266871	0.8	19.253457	**7820.7738**	ug/L
ê	Ca	44	5853	6273620	76726	1.2	3.873168	**60833.2656**	ug/L
ê>	Sc	45	1185061	1617728	14199	0.9	1617728.217469		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	24112	421	1.7	0.003295	**2.0365**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	9920	240	2.4	0.005466	**2.5687**	ug/L
ê	Fe	54	152621	277582	2127	0.8	0.042803	**392.7273**	ug/L
ê	Fe	57	11821	17574	299	1.7	0.000889	**22.7248**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	-279	34	12.4	-0.000181	**-0.5444**	ug/L
ë	Ni	62	142	285	27	9.4	0.000056	**0.9519**	ug/L
é	Cu	65	19	2110	39	1.8	0.001401	**3.3517**	ug/L
ê	Cu	63	40	8278	119	1.4	0.005526	**6.2411**	ug/L
ê	Zn	66	62	4385	79	1.8	0.002895	**15.1294**	ug/L
ê	Zn	68	723	3916	19	0.5	0.002036	**14.8421**	ug/L
ê>	Ge	74	1217221	1489112	17322	1.2	1489111.597263		ug/L
ë	As	75	-151	1729	14	0.8	0.001285	**6.0360**	ug/L
é	Se	77	135	404	15	3.7	0.000092	**13.3852**	ug/L
ê	Se	82	30	[389]	[14]	[3.6]	[0.000130]	**[12.5066]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	2727	65	2.4	0.000990	**2.8126**	ug/L
ê	Ag	107	5	49	5	10.8	0.000016	**0.0003**	ug/L
ê	Ag	109	9	39	4	9.8	0.000011	**0.0001**	ug/L
ê	Cd	111	5	11	2	15.7	0.000002	**0.0056**	ug/L
ê	Cd	114	41	60	8	13.3	0.000005	**0.0092**	ug/L
ê>	In	115	2433207	2734518	32352	1.2	2734518.016081		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	32	6	17.4	0.000009	**-0.0030**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2371918	29085	1.2	2371918.341112		ug/L
ê	Tl	205	19	13	3	23.1	-0.000004	**-0.0083**	ug/L
ê	Pb	208	233	4504	61	1.4	0.001787	**0.7993**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	117081	560	0.5	75383.394008		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	136.510
|	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	122.337
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	112.383
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	114.036
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-DUP2
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 04:06:48
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 321

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-DUP2.205
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	1	1	100.0	-0.000003	**-0.0260**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	386958060	2145468	0.6	242.190042	**108768.1308**	ug/L
ê	Mg	24	1090	48739674	474117	1.0	30.507847	**20915.7827**	ug/L
ê	Al	27	4370	32047	126	0.4	0.016370	**7.4400**	ug/L
ê	K	39	864283	31797287	710611	2.2	19.175198	**7788.9511**	ug/L
ê	Ca	44	5853	6329623	77129	1.2	3.957106	**62151.6785**	ug/L
ê>	Sc	45	1185061	1597827	18855	1.2	1597826.974159		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	24349	403	1.7	0.003630	**2.2469**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	10063	56	0.6	0.005632	**2.6472**	ug/L
ê	Fe	54	152621	272656	3808	1.4	0.041853	**384.1094**	ug/L
ê	Fe	57	11821	16999	711	4.2	0.000666	**17.5732**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	-164	9	5.2	-0.000111	**-0.3709**	ug/L
ë	Ni	62	142	345	22	6.5	0.000096	**1.6078**	ug/L
é	Cu	65	19	2159	54	2.5	0.001444	**3.4562**	ug/L
ê	Cu	63	40	8592	88	1.0	0.005776	**6.5311**	ug/L
ê	Zn	66	62	5724	96	1.7	0.003820	**20.3283**	ug/L
ê	Zn	68	723	4849	69	1.4	0.002685	**19.9962**	ug/L
ê>	Ge	74	1217221	1479096	1034	0.1	1479096.271147		ug/L
ë	As	75	-151	1738	153	8.8	0.001299	**6.1026**	ug/L
é	Se	77	135	361	21	5.9	0.000076	**10.9794**	ug/L
ê	Se	82	30	[380]	[35]	[9.2]	[0.000126]	**[12.1216]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	2624	46	1.8	0.000946	**2.6876**	ug/L
ê	Ag	107	5	61	3	4.3	0.000020	**0.0059**	ug/L
ê	Ag	109	9	50	6	12.5	0.000015	**0.0049**	ug/L
ê	Cd	111	5	11	2	18.2	0.000002	**0.0054**	ug/L
ê	Cd	114	41	65	10	14.6	0.000007	**0.0134**	ug/L
ê>	In	115	2433207	2753230	41545	1.5	2753230.224554		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	34	4	12.8	0.000009	**-0.0019**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2358405	43343	1.8	2358404.903918		ug/L
ê	Tl	205	19	12	1	9.9	-0.000004	**-0.0086**	ug/L
ê	Pb	208	233	3522	46	1.3	0.001382	**0.6121**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	118343	1955	1.7	76645.476981		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	134.831
⎢	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	121.514
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	113.152
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	113.386
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-MS2
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 04:10:15
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 322

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-MS2.206
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2925	78	2.7	0.001837	**11.8440**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	386822895	2479856	0.6	243.542201	**109375.4038**	ug/L
ê	Mg	24	1090	52877893	112088	0.2	33.291650	**22824.3237**	ug/L
ê	Al	27	4370	343279	4036	1.2	0.212460	**105.7326**	ug/L
ê	K	39	864283	32056317	40852	0.1	19.453819	**7902.2467**	ug/L
ê	Ca	44	5853	7494383	16971	0.2	4.713635	**74034.4488**	ug/L
ê>	Sc	45	1185061	1588445	21149	1.3	1588444.957897		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	74013	2538	3.4	0.034977	**21.9524**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	29556	242	0.8	0.017944	**8.4456**	ug/L
ê	Fe	54	152621	390322	5555	1.4	0.116980	**1065.1931**	ug/L
ê	Fe	57	11821	61016	1624	2.7	0.028433	**657.9520**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	-374	116	30.9	-0.000244	**-0.7043**	ug/L
ë	Ni	62	142	344	9	2.5	0.000096	**1.6159**	ug/L
é	Cu	65	19	15372	315	2.1	0.010341	**25.1953**	ug/L
ê	Cu	63	40	36268	1011	2.8	0.024401	**28.1205**	ug/L
ê	Zn	66	62	38754	562	1.5	0.026058	**145.3385**	ug/L
ê	Zn	68	723	27989	256	0.9	0.018263	**143.8164**	ug/L
ê>	Ge	74	1217221	1484278	11289	0.8	1484277.797800		ug/L
ë	As	75	-151	3744	71	1.9	0.002646	**12.5595**	ug/L
é	Se	77	135	727	46	6.4	0.000211	**30.5028**	ug/L
ê	Se	82	30	[944]	[35]	[3.7]	[0.000333]	**[32.3399]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	7757	222	2.9	0.002832	**8.0551**	ug/L
ê	Ag	107	5	29277	578	2.0	0.010715	**14.1081**	ug/L
ê	Ag	109	9	29980	154	0.5	0.010970	**12.9948**	ug/L
ê	Cd	111	5	1522	74	4.9	0.000555	**2.8216**	ug/L
ê	Cd	114	41	3586	76	2.1	0.001296	**2.8550**	ug/L
ê>	In	115	2433207	2732034	22582	0.8	2732033.513454		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	3708	34	0.9	0.001354	**2.2984**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2338926	21678	0.9	2338926.007803		ug/L
ê	Tl	205	19	4037	117	2.9	0.001717	**1.0486**	ug/L
ê	Pb	208	233	30875	209	0.7	0.013089	**6.0195**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	117153	656	0.6	75455.652115		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	134.039
|	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	121.940
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	112.281
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	112.450
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-MSD2
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 04:13:42
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 323

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-MSD2.207
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2925	28	0.9	0.001882	**12.1355**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	406153610	2670059	0.7	261.927276	**117632.3920**	ug/L
ê	Mg	24	1090	42120705	474213	1.1	27.164167	**18623.3969**	ug/L
ê	Al	27	4370	359470	1860	0.5	0.228147	**113.5961**	ug/L
ê	K	39	864283	32689570	393596	1.2	20.353265	**8267.9876**	ug/L
ê	Ca	44	5853	2279094	24171	1.1	1.464931	**23007.1474**	ug/L
ê>	Sc	45	1185061	1550548	838	0.1	1550548.144664		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	71882	1475	2.1	0.034749	**21.8088**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	24513	578	2.4	0.015143	**7.1265**	ug/L
ê	Fe	54	152621	384259	1610	0.4	0.119034	**1083.8172**	ug/L
ê	Fe	57	11821	62772	1439	2.3	0.030508	**705.8163**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	250	49	19.4	0.000153	**0.2916**	ug/L
ë	Ni	62	142	282	32	11.3	0.000062	**1.0401**	ug/L
é	Cu	65	19	14848	190	1.3	0.010191	**24.8279**	ug/L
ê	Cu	63	40	35550	273	0.8	0.024405	**28.1256**	ug/L
ê	Zn	66	62	37480	690	1.8	0.025710	**143.3809**	ug/L
ê	Zn	68	723	27245	399	1.5	0.018133	**142.7852**	ug/L
ê>	Ge	74	1217221	1454903	24956	1.7	1454903.437827		ug/L
ë	As	75	-151	3697	169	4.6	0.002666	**12.6523**	ug/L
é	Se	77	135	715	31	4.3	0.000212	**30.6457**	ug/L
ê	Se	82	30	[898]	[10]	[1.1]	[0.000323]	**[31.3387]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	6615	167	2.5	0.002464	**7.0062**	ug/L
ê	Ag	107	5	29175	507	1.7	0.010893	**14.3428**	ug/L
ê	Ag	109	9	30426	276	0.9	0.011360	**13.4567**	ug/L
ê	Cd	111	5	1507	25	1.6	0.000561	**2.8522**	ug/L
ê	Cd	114	41	3552	32	0.9	0.001310	**2.8859**	ug/L
ê>	In	115	2433207	2677699	20733	0.8	2677699.155726		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	3710	48	1.3	0.001383	**2.3468**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2340903	9941	0.4	2340903.217250		ug/L
ê	Tl	205	19	4044	22	0.5	0.001719	**1.0498**	ug/L
ê	Pb	208	233	30230	392	1.3	0.012802	**5.8868**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	113160	1436	1.3	71462.024204		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	130.841
⎢	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	119.527
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	110.048
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	112.545
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-10RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 04:17:09
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 324

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-10RE1.208
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	5	3	52.9	-0.000001	**-0.0093**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	382547367	3538136	0.9	245.440092	**110227.7729**	ug/L
ê	Mg	24	1090	48325924	668256	1.4	31.004526	**21256.2996**	ug/L
ê	Al	27	4370	586394	8039	1.4	0.372500	**185.9550**	ug/L
ê	K	39	864283	29523558	239953	0.8	18.212357	**7397.4320**	ug/L
ê	Ca	44	5853	5102497	42114	0.8	3.268625	**51337.7210**	ug/L
ê>	Sc	45	1185061	1558806	21809	1.4	1558805.899285		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	25503	833	3.3	0.004747	**2.9492**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	18149	76	0.4	0.010978	**5.1646**	ug/L
ê	Fe	54	152621	314035	4137	1.3	0.072713	**663.8785**	ug/L
ê	Fe	57	11821	36705	817	2.2	0.013570	**315.1731**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	295	37	12.6	0.000181	**0.3610**	ug/L
ë	Ni	62	142	411	19	4.5	0.000144	**2.4073**	ug/L
é	Cu	65	19	1788	53	3.0	0.001232	**2.9380**	ug/L
ê	Cu	63	40	7444	215	2.9	0.005162	**5.8194**	ug/L
ê	Zn	66	62	6025	9	0.1	0.004152	**22.1967**	ug/L
ê	Zn	68	723	5040	83	1.6	0.002922	**21.8852**	ug/L
ê>	Ge	74	1217221	1433957	29569	2.1	1433956.716374		ug/L
ë	As	75	-151	2080	100	4.8	0.001574	**7.4218**	ug/L
é	Se	77	135	364	12	3.3	0.000079	**11.4805**	ug/L
ê	Se	82	30	[350]	[33]	[9.3]	[0.000117]	**[11.2572]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	1617	36	2.2	0.000591	**1.6769**	ug/L
ê	Ag	107	5	25	6	25.0	0.000007	**-0.0111**	ug/L
ê	Ag	109	9	23	4	17.8	0.000005	**-0.0064**	ug/L
ê	Cd	111	5	12	6	46.1	0.000003	**0.0083**	ug/L
ê	Cd	114	41	52	5	9.3	0.000002	**0.0032**	ug/L
ê>	In	115	2433207	2702964	17193	0.6	2702963.738233		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	42	8	19.7	0.000013	**0.0038**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2324965	15629	0.7	2324965.255164		ug/L
ê	Tl	205	19	14	3	18.4	-0.000003	**-0.0081**	ug/L
ê	Pb	208	233	2925	55	1.9	0.001146	**0.5034**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	123424	1146	0.9	81726.475804		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	131.538
⎢	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	117.806
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	111.086
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	111.779
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-11RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 04:20:36
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 325

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-11RE1.209
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	1	1	43.3	-0.000003	**-0.0246**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	386539111	7626049	2.0	247.262870	**111046.4072**	ug/L
ê	Mg	24	1090	47720731	650512	1.4	30.526066	**20928.2731**	ug/L
ê	Al	27	4370	173171	791	0.5	0.107095	**52.9172**	ug/L
ê	K	39	864283	32174733	308571	1.0	19.852895	**8064.5228**	ug/L
ê	Ca	44	5853	4743953	27267	0.6	3.029801	**47586.5210**	ug/L
ê>	Sc	45	1185061	1563222	9238	0.6	1563221.811641		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	23916	542	2.3	0.003688	**2.2831**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	9939	224	2.3	0.005692	**2.6754**	ug/L
ê	Fe	54	152621	285060	2228	0.8	0.053573	**490.3640**	ug/L
ê	Fe	57	11821	22642	255	1.1	0.004509	**106.2150**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	526	41	7.8	0.000328	**0.7292**	ug/L
ë	Ni	62	142	400	13	3.3	0.000136	**2.2719**	ug/L
é	Cu	65	19	1734	43	2.5	0.001159	**2.7582**	ug/L
ê	Cu	63	40	7543	118	1.6	0.005075	**5.7181**	ug/L
ê	Zn	66	62	5429	66	1.2	0.003626	**19.2382**	ug/L
ê	Zn	68	723	4630	55	1.2	0.002542	**18.8601**	ug/L
ê>	Ge	74	1217221	1476934	18914	1.3	1476933.942749		ug/L
ë	As	75	-151	1631	68	4.2	0.001228	**5.7625**	ug/L
é	Se	77	135	363	17	4.6	0.000079	**11.4028**	ug/L
ê	Se	82	30	[353]	[21]	[6.0]	[0.000118]	**[11.3450]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	5536	80	1.4	0.002034	**5.7838**	ug/L
ê	Ag	107	5	56	13	23.1	0.000018	**0.0037**	ug/L
ê	Ag	109	9	54	3	4.9	0.000016	**0.0069**	ug/L
ê	Cd	111	5	14	5	33.0	0.000003	**0.0120**	ug/L
ê	Cd	114	41	56	5	8.5	0.000004	**0.0065**	ug/L
ê>	In	115	2433207	2712489	53632	2.0	2712489.489124		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	32	6	17.4	0.000009	**-0.0028**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2344719	25124	1.1	2344718.554872		ug/L
ê	Tl	205	19	6	3	50.0	-0.000006	**-0.0101**	ug/L
ê	Pb	208	233	2062	16	0.8	0.000768	**0.3285**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	124399	1711	1.4	82701.582853		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	131.911
⎢	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	121.337
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	111.478
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	112.728
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 18, 2014 04:24:04
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCVA.210
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	6454	94	1.4	0.004422	**2.8512**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	9533103	66367	0.7	6.521314	**292.6088**	ug/L
ê	Mg	24	1090	6349712	55610	0.9	4.352865	**298.4248**	ug/L
ê	Al	27	4370	866668	9355	1.1	0.590567	**29.5264**	ug/L
ê	K	39	864283	11919337	169239	1.4	7.443613	**301.8546**	ug/L
ê	Ca	44	5853	570637	8805	1.5	0.386339	**606.5735**	ug/L
ê>	Sc	45	1185061	1458525	10916	0.7	1458525.189161		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	89067	220	0.2	0.049457	**3.1055**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	38984	764	2.0	0.026061	**1.2268**	ug/L
ê	Fe	54	152621	357845	3945	1.1	0.116573	**106.1502**	ug/L
ê	Fe	57	11821	81066	779	1.0	0.045610	**105.4096**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	23881	286	1.2	0.016366	**4.0906**	ug/L
ë	Ni	62	142	3771	98	2.6	0.002466	**4.0950**	ug/L
é	Cu	65	19	14918	106	0.7	0.010732	**2.6151**	ug/L
ê	Cu	63	40	31448	206	0.7	0.022627	**2.6064**	ug/L
ê	Zn	66	62	10455	17	0.2	0.007483	**4.0919**	ug/L
ê	Zn	68	723	8271	134	1.6	0.005365	**4.1298**	ug/L
ê>	Ge	74	1217221	1388048	18333	1.3	1388047.539034		ug/L
ë	As	75	-151	15977	528	3.3	0.011639	**5.5655**	ug/L
é	Se	77	135	2080	49	2.4	0.000725	**10.4734**	ug/L
ê	Se	82	30	[3013]	[106]	[3.5]	[0.001117]	**[10.8810]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	6414	77	1.2	0.002398	**0.6821**	ug/L
ê	Ag	107	5	9057	75	0.8	0.003394	**0.4455**	ug/L
ê	Ag	109	9	9389	66	0.7	0.003517	**0.4158**	ug/L
ê	Cd	111	5	2023	79	3.9	0.000757	**0.3849**	ug/L
ê	Cd	114	41	4743	72	1.5	0.001762	**0.3883**	ug/L
ê>	In	115	2433207	2666590	15214	0.6	2666590.036054		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	6028	113	1.9	0.002257	**0.3842**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2262991	7536	0.3	2262991.391740		ug/L
ê	Tl	205	19	7958	99	1.2	0.003508	**0.2149**	ug/L
ê	Pb	208	233	26327	235	0.9	0.011522	**0.5296**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	47618	265	0.6	5919.794569		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	123.076
|	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	114.034
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	109.592
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	108.799
|	Tl	205	
|	Pb	208	
|	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, March 18, 2014 04:27:31
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCBA.211
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	1	69.3	-0.000003	**-0.0023**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	35639	2416	6.8	0.009107	**0.1366**	ug/L
ê	Mg	24	1090	1931	514	26.6	0.000402	**0.0254**	ug/L
ê	Al	27	4370	5338	75	1.4	-0.000036	**-0.0784**	ug/L
ê	K	39	864283	904761	7813	0.9	-0.110345	**-5.3114**	ug/L
ê	Ca	44	5853	6793	134	2.0	-0.000292	**-0.7062**	ug/L
ê>	Sc	45	1185061	1461826	11375	0.8	1461825.892524		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	18469	406	2.2	0.001025	**0.0609**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1062	21	2.0	0.000060	**0.0023**	ug/L
ê	Fe	54	152621	199426	4846	2.4	0.007653	**7.4060**	ug/L
ê	Fe	57	11821	16536	31	0.2	0.001337	**3.3046**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	21	7	31.5	0.000006	**-0.0077**	ug/L
ë	Ni	62	142	156	3	1.9	-0.000014	**-0.0208**	ug/L
é	Cu	65	19	43	4	8.7	0.000015	**-0.0036**	ug/L
ê	Cu	63	40	85	5	5.9	0.000028	**-0.0132**	ug/L
ê	Zn	66	62	183	16	8.9	0.000079	**-0.0698**	ug/L
ê	Zn	68	723	1003	7	0.7	0.000117	**-0.0408**	ug/L
ê>	Ge	74	1217221	1410713	19234	1.4	1410712.657034		ug/L
ë	As	75	-151	-247	71	28.6	-0.000051	**-0.0366**	ug/L
é	Se	77	135	156	10	6.3	0.000004	**0.0683**	ug/L
ê	Se	82	30	[62]	[17]	[27.5]	[0.000011]	**[0.0960]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	28	7	27.0	0.000003	**0.0004**	ug/L
ê	Ag	107	5	8	1	13.9	0.000001	**-0.0019**	ug/L
ê	Ag	109	9	5	3	61.9	-0.000002	**-0.0015**	ug/L
ê	Cd	111	5	3	3	94.4	-0.000001	**-0.0010**	ug/L
ê	Cd	114	41	40	10	24.4	-0.000001	**-0.0005**	ug/L
ê>	In	115	2433207	2614766	24929	1.0	2614765.719158		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	35	6	15.9	0.000010	**-0.0000**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2223801	13493	0.6	2223800.544402		ug/L
ê	Tl	205	19	7	4	57.1	-0.000006	**-0.0010**	ug/L
ê	Pb	208	233	290	12	4.1	0.000018	**-0.0018**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	46221	494	1.1	4523.557460		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	123.355
⎢	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	115.896
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	107.462
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	106.915
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-12RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 04:30:59
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 326

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-12RE1.212
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	2	65.5	-0.000002	**-0.0207**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	389262920	2080592	0.5	245.677512	**110334.4011**	ug/L
ê	Mg	24	1090	48703747	443258	0.9	30.739173	**21074.3768**	ug/L
ê	Al	27	4370	66918	116	0.2	0.038547	**18.5563**	ug/L
ê	K	39	864283	28596995	650807	2.3	17.324358	**7036.3456**	ug/L
ê	Ca	44	5853	5823843	110575	1.9	3.670455	**57649.2535**	ug/L
ê>	Sc	45	1185061	1584927	33244	2.1	1584927.271855		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	26374	536	2.0	0.005031	**3.1276**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	8324	177	2.1	0.004586	**2.1544**	ug/L
ê	Fe	54	152621	277866	3801	1.4	0.046554	**426.7269**	ug/L
ê	Fe	57	11821	18838	131	0.7	0.001915	**46.3761**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	173	4	2.2	0.000100	**0.1597**	ug/L
ë	Ni	62	142	382	29	7.5	0.000121	**2.0242**	ug/L
é	Cu	65	19	1712	57	3.3	0.001153	**2.7459**	ug/L
ê	Cu	63	40	7393	114	1.5	0.005017	**5.6504**	ug/L
ê	Zn	66	62	5107	42	0.8	0.003437	**18.1777**	ug/L
ê	Zn	68	723	4376	135	3.1	0.002395	**17.6972**	ug/L
ê>	Ge	74	1217221	1464155	4842	0.3	1464154.788531		ug/L
ë	As	75	-151	1257	50	4.0	0.000982	**4.5839**	ug/L
é	Se	77	135	337	5	1.5	0.000069	**9.9729**	ug/L
ê	Se	82	30	[332]	[11]	[3.2]	[0.000110]	**[10.5735]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	3271	81	2.5	0.001199	**3.4066**	ug/L
ê	Ag	107	5	27	8	28.9	0.000008	**-0.0102**	ug/L
ê	Ag	109	9	28	4	13.7	0.000007	**-0.0046**	ug/L
ê	Cd	111	5	17	1	3.5	0.000004	**0.0164**	ug/L
ê	Cd	114	41	71	4	6.2	0.000010	**0.0190**	ug/L
ê>	In	115	2433207	2712843	24747	0.9	2712843.375695		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	54	2	4.3	0.000017	**0.0112**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2352214	14957	0.6	2352213.907797		ug/L
ê	Tl	205	19	10	0	0.0	-0.000005	**-0.0091**	ug/L
ê	Pb	208	233	4402	25	0.6	0.001759	**0.7866**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	118570	1112	0.9	76872.286436		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	133.742
⎢	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	120.287
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	111.492
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	113.089
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-DUP3
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 04:34:26
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 327

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-DUP3.213
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	1	33.3	-0.000002	**-0.0178**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	378335977	2417168	0.6	239.798032	**107693.8464**	ug/L
ê	Mg	24	1090	48323756	354464	0.7	30.629340	**20999.0767**	ug/L
ê	Al	27	4370	94894	1068	1.1	0.056461	**27.5362**	ug/L
ê	K	39	864283	28068529	41680	0.1	17.063038	**6930.0851**	ug/L
ê	Ca	44	5853	5994582	147026	2.5	3.794282	**59594.1940**	ug/L
ê>	Sc	45	1185061	1577701	18374	1.2	1577701.342659		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	27314	112	0.4	0.005703	**3.5502**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	7798	153	2.0	0.004276	**2.0086**	ug/L
ê	Fe	54	152621	283167	5079	1.8	0.050686	**464.1869**	ug/L
ê	Fe	57	11821	21280	74	0.3	0.003513	**83.2361**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	897	51	5.7	0.000560	**1.3105**	ug/L
ë	Ni	62	142	504	10	2.0	0.000200	**3.3319**	ug/L
é	Cu	65	19	2442	97	4.0	0.001633	**3.9170**	ug/L
ê	Cu	63	40	8912	269	3.0	0.005979	**6.7663**	ug/L
ê	Zn	66	62	7992	94	1.2	0.005341	**28.8815**	ug/L
ê	Zn	68	723	6353	44	0.7	0.003694	**28.0164**	ug/L
ê>	Ge	74	1217221	1482560	40075	2.7	1482560.041663		ug/L
ë	As	75	-151	1333	37	2.8	0.001024	**4.7838**	ug/L
é	Se	77	135	334	18	5.3	0.000067	**9.7033**	ug/L
ê	Se	82	30	[332]	[4]	[1.1]	[0.000109]	**[10.4981]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	16401	348	2.1	0.006002	**17.0755**	ug/L
ê	Ag	107	5	54	8	14.5	0.000018	**0.0028**	ug/L
ê	Ag	109	9	66	3	4.0	0.000021	**0.0120**	ug/L
ê	Cd	111	5	23	4	17.8	0.000006	**0.0286**	ug/L
ê	Cd	114	41	87	16	18.9	0.000015	**0.0314**	ug/L
ê>	In	115	2433207	2729658	17309	0.6	2729658.460283		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	42	4	10.4	0.000012	**0.0033**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2331085	17240	0.7	2331084.831172		ug/L
ê	Tl	205	19	12	8	68.2	-0.000004	**-0.0085**	ug/L
ê	Pb	208	233	1861	18	1.0	0.000687	**0.2910**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	117574	352	0.3	75875.741794		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	133.133
⎢	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	121.799
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	112.184
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	112.073
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-MS3
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 04:37:53
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 328

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-MS3.214
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2964	41	1.4	0.001899	**12.2451**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	374100034	2580857	0.7	240.228547	**107887.1967**	ug/L
ê	Mg	24	1090	48794039	753230	1.5	31.331500	**21480.4690**	ug/L
ê	Al	27	4370	347783	3655	1.1	0.219625	**109.3244**	ug/L
ê	K	39	864283	27018074	111464	0.4	16.621733	**6750.6379**	ug/L
ê	Ca	44	5853	5645708	59616	1.1	3.620182	**56859.6188**	ug/L
ê>	Sc	45	1185061	1557534	28531	1.8	1557534.170398		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	77104	1884	2.4	0.037893	**23.7853**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	29649	420	1.4	0.018373	**8.6474**	ug/L
ê	Fe	54	152621	405275	9370	2.3	0.131411	**1196.0260**	ug/L
ê	Fe	57	11821	69207	1850	2.7	0.034454	**796.8077**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	2437	129	5.3	0.001557	**3.8088**	ug/L
ë	Ni	62	142	748	6	0.7	0.000360	**6.0024**	ug/L
é	Cu	65	19	15451	96	0.6	0.010553	**25.7134**	ug/L
ê	Cu	63	40	36299	129	0.4	0.024795	**28.5774**	ug/L
ê	Zn	66	62	37107	530	1.4	0.025331	**141.2522**	ug/L
ê	Zn	68	723	26325	526	2.0	0.017412	**137.0513**	ug/L
ê>	Ge	74	1217221	1462247	22055	1.5	1462247.074461		ug/L
ë	As	75	-151	3255	243	7.5	0.002349	**11.1327**	ug/L
é	Se	77	135	711	15	2.1	0.000204	**29.5425**	ug/L
ê	Se	82	30	[910]	[48]	[5.3]	[0.000320]	**[31.0243]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	7431	219	3.0	0.002707	**7.6983**	ug/L
ê	Ag	107	5	28665	229	0.8	0.010466	**13.7791**	ug/L
ê	Ag	109	9	30016	336	1.1	0.010958	**12.9794**	ug/L
ê	Cd	111	5	1511	25	1.6	0.000550	**2.7950**	ug/L
ê	Cd	114	41	3522	97	2.7	0.001269	**2.7971**	ug/L
ê>	In	115	2433207	2738524	16715	0.6	2738523.866130		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	3884	39	1.0	0.001415	**2.4024**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2343899	23759	1.0	2343899.103048		ug/L
ê	Tl	205	19	3988	32	0.8	0.001692	**1.0337**	ug/L
ê	Pb	208	233	28942	403	1.4	0.012237	**5.6262**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	124103	262	0.2	82405.626280		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	131.431
⎢	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	120.130
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	112.548
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	112.689
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-MSD3
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 04:41:20
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 329

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-MSD3.215
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2848	98	3.4	0.001836	**11.8362**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	399375940	6192213	1.6	258.038753	**115886.0034**	ug/L
ê	Mg	24	1090	45655395	516895	1.1	29.498048	**20223.4767**	ug/L
ê	Al	27	4370	361869	4460	1.2	0.230121	**114.5857**	ug/L
ê	K	39	864283	28891963	192158	0.7	17.939598	**7286.5202**	ug/L
ê	Ca	44	5853	3547117	60442	1.7	2.286825	**35916.6104**	ug/L
ê>	Sc	45	1185061	1547784	25508	1.6	1547784.071097		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	72438	1356	1.9	0.035190	**22.0863**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	23046	376	1.6	0.014224	**6.6935**	ug/L
ê	Fe	54	152621	381541	13237	3.5	0.117679	**1071.5276**	ug/L
ê	Fe	57	11821	62355	1718	2.8	0.030307	**701.1721**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	457	95	20.8	0.000287	**0.6273**	ug/L
ë	Ni	62	142	355	13	3.5	0.000109	**1.8278**	ug/L
é	Cu	65	19	14789	249	1.7	0.010104	**24.6142**	ug/L
ê	Cu	63	40	35467	922	2.6	0.024235	**27.9276**	ug/L
ê	Zn	66	62	36083	400	1.1	0.024638	**137.3570**	ug/L
ê	Zn	68	723	26194	194	0.7	0.017330	**136.3970**	ug/L
ê>	Ge	74	1217221	1461450	6524	0.4	1461450.498824		ug/L
ë	As	75	-151	3197	17	0.5	0.002312	**10.9552**	ug/L
é	Se	77	135	738	14	1.9	0.000219	**31.6878**	ug/L
ê	Se	82	30	[904]	[7]	[0.8]	[0.000324]	**[31.4054]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	7708	262	3.4	0.002857	**8.1265**	ug/L
ê	Ag	107	5	28665	281	1.0	0.010649	**14.0208**	ug/L
ê	Ag	109	9	29404	86	0.3	0.010923	**12.9382**	ug/L
ê	Cd	111	5	1497	48	3.2	0.000554	**2.8177**	ug/L
ê	Cd	114	41	3475	18	0.5	0.001275	**2.8085**	ug/L
ê>	In	115	2433207	2691213	16231	0.6	2691212.515092		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	3679	26	0.7	0.001364	**2.3148**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2325074	10805	0.5	2325074.264810		ug/L
ê	Tl	205	19	3833	46	1.2	0.001640	**1.0012**	ug/L
ê	Pb	208	233	28876	218	0.8	0.012307	**5.6585**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	129303	1654	1.3	87604.828874		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	130.608
⎢	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	120.065
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	110.604
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	111.784
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-13RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 04:44:47
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 330

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-13RE1.216
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	2	57.3	-0.000002	**-0.0191**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	382761581	387374	0.1	244.169136	**109656.9692**	ug/L
ê	Mg	24	1090	58434094	647051	1.1	37.273089	**25553.9490**	ug/L
ê	Al	27	4370	640316	6107	1.0	0.404835	**202.1633**	ug/L
ê	K	39	864283	34134481	444974	1.3	21.049421	**8551.0649**	ug/L
ê	Ca	44	5853	9334724	150070	1.6	5.949576	**93447.3422**	ug/L
ê>	Sc	45	1185061	1567738	22368	1.4	1567738.446512		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	28191	816	2.9	0.006372	**3.9706**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	31265	849	2.7	0.019285	**9.0768**	ug/L
ê	Fe	54	152621	334637	2318	0.7	0.084705	**772.6000**	ug/L
ê	Fe	57	11821	39148	179	0.5	0.014998	**348.1179**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	216	114	53.0	0.000129	**0.2315**	ug/L
ë	Ni	62	142	546	16	3.0	0.000228	**3.8088**	ug/L
é	Cu	65	19	3743	7	0.2	0.002537	**6.1254**	ug/L
ê	Cu	63	40	11928	249	2.1	0.008102	**9.2266**	ug/L
ê	Zn	66	62	6972	157	2.2	0.004702	**25.2897**	ug/L
ê	Zn	68	723	5885	75	1.3	0.003418	**25.8279**	ug/L
ê>	Ge	74	1217221	1466718	14012	1.0	1466717.926547		ug/L
ë	As	75	-151	2741	108	3.9	0.001993	**9.4307**	ug/L
é	Se	77	135	432	40	9.1	0.000104	**15.0632**	ug/L
ê	Se	82	30	[453]	[21]	[4.6]	[0.000155]	**[14.9260]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	2042	61	3.0	0.000746	**2.1169**	ug/L
ê	Ag	107	5	44	8	18.9	0.000014	**-0.0018**	ug/L
ê	Ag	109	9	35	3	7.6	0.000009	**-0.0014**	ug/L
ê	Cd	111	5	10	3	31.1	0.000002	**0.0045**	ug/L
ê	Cd	114	41	57	0	0.5	0.000004	**0.0077**	ug/L
ê>	In	115	2433207	2712074	11576	0.4	2712073.581196		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	57	11	19.2	0.000018	**0.0131**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2333291	24791	1.1	2333291.336772		ug/L
ê	Tl	205	19	15	6	41.7	-0.000003	**-0.0078**	ug/L
ê	Pb	208	233	6269	37	0.6	0.002575	**1.1631**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	144184	553	0.4	102486.200716		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	132.292
⎢	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	120.497
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	111.461
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	112.179
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-14RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 04:48:14
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 331

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-14RE1.217
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	5	1	10.8	-0.000001	**-0.0081**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	345297672	2637950	0.8	220.544475	**99046.8113**	ug/L
ê	Mg	24	1090	55262154	839436	1.5	35.298297	**24200.0561**	ug/L
ê	Al	27	4370	346698	5966	1.7	0.217766	**108.3924**	ug/L
ê	K	39	864283	28974505	549510	1.9	17.778684	**7221.0878**	ug/L
ê	Ca	44	5853	9944275	239613	2.4	6.347234	**99693.3524**	ug/L
ê>	Sc	45	1185061	1565583	5011	0.3	1565582.700652		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	31062	441	1.4	0.008231	**5.1391**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	18147	348	1.9	0.010926	**5.1402**	ug/L
ê	Fe	54	152621	304985	2557	0.8	0.066024	**603.2349**	ug/L
ê	Fe	57	11821	26587	861	3.2	0.007008	**163.8346**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	49105	1941	4.0	0.031359	**78.4660**	ug/L
ë	Ni	62	142	7613	254	3.3	0.004743	**78.7536**	ug/L
é	Cu	65	19	65620	1134	1.7	0.044660	**109.0487**	ug/L
ê	Cu	63	40	141620	1164	0.8	0.096405	**111.5864**	ug/L
ê	Zn	66	62	68005	1058	1.6	0.046243	**258.8058**	ug/L
ê	Zn	68	723	48057	1531	3.2	0.032116	**253.9199**	ug/L
ê>	Ge	74	1217221	1469367	42813	2.9	1469367.403123		ug/L
ë	As	75	-151	1765	225	12.7	0.001323	**6.2197**	ug/L
é	Se	77	135	357	52	14.6	0.000076	**10.9750**	ug/L
ê	Se	82	30	[335]	[12]	[3.6]	[0.000110]	**[10.6162]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	5661	146	2.6	0.002071	**5.8888**	ug/L
ê	Ag	107	5	75	2	2.0	0.000025	**0.0128**	ug/L
ê	Ag	109	9	72	9	12.6	0.000023	**0.0145**	ug/L
ê	Cd	111	5	13	2	13.3	0.000003	**0.0094**	ug/L
ê	Cd	114	41	71	10	13.7	0.000009	**0.0182**	ug/L
ê>	In	115	2433207	2724044	17142	0.6	2724043.703247		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	58	14	24.3	0.000018	**0.0134**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2327232	11478	0.5	2327231.904017		ug/L
ê	Tl	205	19	11	2	13.5	-0.000004	**-0.0087**	ug/L
ê	Pb	208	233	17258	139	0.8	0.007304	**3.3474**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	124028	104	0.1	82329.972174		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	132.110
⎢	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	120.715
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	111.953
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	111.888
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-15RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 04:51:42
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 332

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-15RE1.218
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	5	1	12.4	-0.000001	**-0.0108**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	419568777	5390695	1.3	269.066808	**120838.8536**	ug/L
ê	Mg	24	1090	49561238	664501	1.3	31.784612	**21791.1170**	ug/L
ê	Al	27	4370	195550	3310	1.7	0.121726	**60.2510**	ug/L
ê	K	39	864283	33462386	576579	1.7	20.732429	**8422.1668**	ug/L
ê	Ca	44	5853	5373687	60456	1.1	3.441402	**54051.5235**	ug/L
ê>	Sc	45	1185061	1559383	17109	1.1	1559383.114841		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	25821	465	1.8	0.004949	**3.0758**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	10116	83	0.8	0.005821	**2.7362**	ug/L
ê	Fe	54	152621	287710	3307	1.1	0.055741	**510.0121**	ug/L
ê	Fe	57	11821	24039	673	2.8	0.005445	**127.7863**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	170	7	3.9	0.000101	**0.1606**	ug/L
ë	Ni	62	142	391	10	2.7	0.000131	**2.1869**	ug/L
é	Cu	65	19	2453	90	3.7	0.001656	**3.9745**	ug/L
ê	Cu	63	40	9278	174	1.9	0.006292	**7.1292**	ug/L
ê	Zn	66	62	6021	150	2.5	0.004053	**21.6402**	ug/L
ê	Zn	68	723	5085	87	1.7	0.002873	**21.4962**	ug/L
ê>	Ge	74	1217221	1467192	39602	2.7	1467191.617350		ug/L
ë	As	75	-151	1560	117	7.5	0.001189	**5.5738**	ug/L
é	Se	77	135	363	4	1.1	0.000078	**11.3214**	ug/L
ê	Se	82	30	[340]	[27]	[7.8]	[0.000113]	**[10.8320]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	1539	60	3.9	0.000559	**1.5856**	ug/L
ê	Ag	107	5	32	2	7.1	0.000010	**-0.0076**	ug/L
ê	Ag	109	9	20	4	20.5	0.000004	**-0.0078**	ug/L
ê	Cd	111	5	7	3	34.3	0.000001	**-0.0012**	ug/L
ê	Cd	114	41	52	5	9.7	0.000002	**0.0030**	ug/L
ê>	In	115	2433207	2718163	14990	0.6	2718162.619203		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	35	2	5.7	0.000010	**-0.0010**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2320872	10720	0.5	2320871.754996		ug/L
ê	Tl	205	19	11	4	35.7	-0.000004	**-0.0087**	ug/L
ê	Pb	208	233	3932	108	2.8	0.001582	**0.7047**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	122086	477	0.4	80388.359573		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	131.587
⎢	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	120.536
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	111.711
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	111.582
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-16RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 04:55:09
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 333

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-16RE1.219
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	2	89.2	-0.000002	**-0.0206**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	391567615	7742608	2.0	246.883209	**110875.8961**	ug/L
ê	Mg	24	1090	54762774	719311	1.3	34.530464	**23673.6393**	ug/L
ê	Al	27	4370	311362	3512	1.1	0.192648	**95.8017**	ug/L
ê	K	39	864283	30464808	378748	1.2	18.481335	**7506.8064**	ug/L
ê	Ca	44	5853	8463506	54273	0.6	5.331937	**83746.0962**	ug/L
ê>	Sc	45	1185061	1585856	10049	0.6	1585856.102174		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	28536	2006	7.0	0.006386	**3.9793**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	22819	138	0.6	0.013723	**6.4576**	ug/L
ê	Fe	54	152621	316822	7284	2.3	0.070981	**648.1826**	ug/L
ê	Fe	57	11821	30105	569	1.9	0.009010	**210.0001**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	802	62	7.7	0.000497	**1.1533**	ug/L
ë	Ni	62	142	579	32	5.6	0.000245	**4.0852**	ug/L
é	Cu	65	19	2269	87	3.8	0.001501	**3.5942**	ug/L
ê	Cu	63	40	8675	99	1.1	0.005765	**6.5176**	ug/L
ê	Zn	66	62	5309	104	2.0	0.003497	**18.5152**	ug/L
ê	Zn	68	723	4535	99	2.2	0.002437	**18.0283**	ug/L
ê>	Ge	74	1217221	1496390	3018	0.2	1496389.556269		ug/L
ë	As	75	-151	1372	71	5.2	0.001041	**4.8650**	ug/L
é	Se	77	135	333	16	4.7	0.000067	**9.7356**	ug/L
ê	Se	82	30	[311]	[19]	[6.2]	[0.000102]	**[9.8048]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	1422	12	0.9	0.000516	**1.4623**	ug/L
ê	Ag	107	5	29	7	24.1	0.000009	**-0.0092**	ug/L
ê	Ag	109	9	22	3	11.3	0.000005	**-0.0070**	ug/L
ê	Cd	111	5	15	2	14.2	0.000003	**0.0126**	ug/L
ê	Cd	114	41	63	10	15.5	0.000007	**0.0125**	ug/L
ê>	In	115	2433207	2719560	21073	0.8	2719559.923911		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	43	3	5.9	0.000013	**0.0038**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2339723	1495	0.1	2339722.905907		ug/L
ê	Tl	205	19	11	5	47.2	-0.000004	**-0.0089**	ug/L
ê	Pb	208	233	3875	95	2.5	0.001544	**0.6871**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	114403	2046	1.8	72705.249619		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	133.821
|	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	122.935
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	111.769
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	112.488
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-17RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 04:58:37
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 334

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-17RE1.220
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	3	173.2	-0.000003	**-0.0219**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	434885935	382547	0.1	276.443465	**124151.8109**	ug/L
ê	Mg	24	1090	38501791	503627	1.3	24.477154	**16781.2133**	ug/L
ê	Al	27	4370	1060400	13285	1.3	0.670450	**335.3064**	ug/L
ê	K	39	864283	79087739	1335943	1.7	49.542708	**20137.2683**	ug/L
ê	Ca	44	5853	4306502	50404	1.2	2.732722	**42920.3052**	ug/L
ê>	Sc	45	1185061	1573217	18809	1.2	1573217.240210		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	25539	802	3.1	0.004623	**2.8711**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	54871	793	1.4	0.034216	**16.1087**	ug/L
ê	Fe	54	152621	362784	7746	2.1	0.101863	**928.1478**	ug/L
ê	Fe	57	11821	52571	722	1.4	0.023447	**542.9620**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	1615	33	2.1	0.001018	**2.4583**	ug/L
ë	Ni	62	142	557	27	4.9	0.000234	**3.9046**	ug/L
é	Cu	65	19	2535	32	1.3	0.001713	**4.1138**	ug/L
ê	Cu	63	40	9547	46	0.5	0.006480	**7.3467**	ug/L
ê	Zn	66	62	10330	120	1.2	0.006996	**38.1809**	ug/L
ê	Zn	68	723	8144	66	0.8	0.004962	**38.0975**	ug/L
ê>	Ge	74	1217221	1466167	19926	1.4	1466167.158254		ug/L
ë	As	75	-151	54098	879	1.6	0.037025	**177.3157**	ug/L
é	Se	77	135	260	7	2.5	0.000040	**5.8384**	ug/L
ê	Se	82	30	[17424]	[317]	[1.8]	[0.006394]	**[623.2733]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	1806	55	3.0	0.000657	**1.8637**	ug/L
ê	Ag	107	5	273	5	1.7	0.000098	**0.1092**	ug/L
ê	Ag	109	9	289	12	4.0	0.000103	**0.1092**	ug/L
ê	Cd	111	5	196	7	3.4	0.000070	**0.3527**	ug/L
ê	Cd	114	41	497	23	4.5	0.000166	**0.3641**	ug/L
ê>	In	115	2433207	2719870	19240	0.7	2719870.030700		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	210	17	7.9	0.000074	**0.1088**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2341602	32607	1.4	2341602.382568		ug/L
ê	Tl	205	19	218	3	1.6	0.000084	**0.0455**	ug/L
ê	Pb	208	233	11105	111	1.0	0.004631	**2.1131**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	100254	1385	1.4	58556.158833		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	132.754
|	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	120.452
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	111.781
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	112.579
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-18RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 05:02:04
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 335

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-18RE1.221
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	22	4	17.0	0.000011	**0.0669**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	220045942	818969	0.4	148.080457	**66502.2315**	ug/L
ê	Mg	24	1090	90556067	258989	0.3	60.945812	**41783.6767**	ug/L
ê	Al	27	4370	13469131	85536	0.6	9.061222	**4541.2910**	ug/L
ê	K	39	864283	44458280	807939	1.8	29.189869	**11861.2090**	ug/L
ê	Ca	44	5853	56759523	630090	1.1	38.193832	**599906.9753**	ug/L
ê>	Sc	45	1185061	1485878	12636	0.9	1485877.631543		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	99698	989	1.0	0.055492	**34.8483**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	464622	4515	1.0	0.312053	**146.9560**	ug/L
ê	Fe	54	152621	1873258	28665	1.5	1.131992	**10267.0525**	ug/L
ê	Fe	57	11821	614188	7521	1.2	0.403416	**9306.0699**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	26125	336	1.3	0.017574	**43.9319**	ug/L
ë	Ni	62	142	6362	176	2.8	0.004162	**69.1072**	ug/L
é	Cu	65	19	6963	59	0.9	0.005287	**12.8452**	ug/L
ê	Cu	63	40	15903	103	0.6	0.012076	**13.8332**	ug/L
ê	Zn	66	62	9981	170	1.7	0.007547	**41.2789**	ug/L
ê	Zn	68	723	7749	141	1.8	0.005305	**40.8242**	ug/L
ê>	Ge	74	1217221	1313860	30213	2.3	1313859.721883		ug/L
ë	As	75	-151	32798	275	0.8	0.025094	**120.1345**	ug/L
é	Se	77	135	207	22	10.4	0.000024	**3.5760**	ug/L
ê	Se	82	30	[9953]	[53]	[0.5]	[0.003828]	**[373.1090]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	1618	25	1.5	0.000617	**1.7512**	ug/L
ê	Ag	107	5	175	12	6.9	0.000065	**0.0657**	ug/L
ê	Ag	109	9	135	11	7.9	0.000048	**0.0449**	ug/L
ê	Cd	111	5	173	13	7.6	0.000065	**0.3250**	ug/L
ê	Cd	114	41	402	12	3.1	0.000138	**0.3033**	ug/L
ê>	In	115	2433207	2591730	21941	0.8	2591730.257217		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	298	6	2.0	0.000112	**0.1734**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2295145	28166	1.2	2295145.478458		ug/L
ê	Tl	205	19	345	34	9.7	0.000141	**0.0808**	ug/L
ê	Pb	208	233	86077	779	0.9	0.037393	**17.2454**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	84414	1345	1.6	42715.937296		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	125.384
⎢	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	107.939
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	106.515
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	110.345
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 18, 2014 05:05:32
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCVB.222
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	6257	31	0.5	0.004464	**2.8782**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	9373690	134615	1.4	6.678053	**299.6481**	ug/L
ê	Mg	24	1090	6254506	46773	0.7	4.464326	**306.0665**	ug/L
ê	Al	27	4370	870724	10837	1.2	0.617886	**30.8958**	ug/L
ê	K	39	864283	11508443	99306	0.9	7.486550	**303.6005**	ug/L
ê	Ca	44	5853	568360	2374	0.4	0.400855	**629.3733**	ug/L
ê>	Sc	45	1185061	1401103	29792	2.1	1401103.243781		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	85821	761	0.9	0.049667	**3.1187**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	37982	462	1.2	0.026447	**1.2450**	ug/L
ê	Fe	54	152621	349517	8078	2.3	0.120807	**109.9885**	ug/L
ê	Fe	57	11821	78557	776	1.0	0.046114	**106.5717**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	23381	170	0.7	0.016686	**4.1708**	ug/L
ë	Ni	62	142	3706	25	0.7	0.002526	**4.1952**	ug/L
é	Cu	65	19	14457	182	1.3	0.010609	**2.5848**	ug/L
ê	Cu	63	40	30846	781	2.5	0.022635	**2.6074**	ug/L
ê	Zn	66	62	10392	203	2.0	0.007586	**4.1500**	ug/L
ê	Zn	68	723	7951	35	0.4	0.005250	**4.0386**	ug/L
ê>	Ge	74	1217221	1360910	23238	1.7	1360910.050453		ug/L
ë	As	75	-151	15684	212	1.4	0.011649	**5.5704**	ug/L
é	Se	77	135	2058	60	2.9	0.000718	**10.3839**	ug/L
ê	Se	82	30	[2946]	[84]	[2.9]	[0.001095]	**[10.6635]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	6158	225	3.7	0.002308	**0.6563**	ug/L
ê	Ag	107	5	8548	178	2.1	0.003212	**0.4214**	ug/L
ê	Ag	109	9	9237	75	0.8	0.003469	**0.4101**	ug/L
ê	Cd	111	5	2041	41	2.0	0.000765	**0.3892**	ug/L
ê	Cd	114	41	4762	63	1.3	0.001773	**0.3908**	ug/L
ê>	In	115	2433207	2659899	10010	0.4	2659899.026044		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	5937	111	1.9	0.002229	**0.3794**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2246324	32124	1.4	2246324.192709		ug/L
ê	Tl	205	19	7630	136	1.8	0.003388	**0.2076**	ug/L
ê	Pb	208	233	25820	222	0.9	0.011385	**0.5232**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	47196	1114	2.4	5498.426927		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	118.230
⎢	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	111.805
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	109.317
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	107.998
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 18, 2014 05:08:59
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCBB.223
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	1	17.3	-0.000002	**-0.0015**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	38152	5441	14.3	0.011621	**0.2495**	ug/L
ê	Mg	24	1090	2986	1942	65.0	0.001170	**0.0780**	ug/L
ê	Al	27	4370	6330	485	7.7	0.000780	**-0.0374**	ug/L
ê	K	39	864283	894580	4856	0.5	-0.097270	**-4.7797**	ug/L
ê	Ca	44	5853	7004	826	11.8	0.000002	**-0.2455**	ug/L
ê>	Sc	45	1185061	1415953	35923	2.5	1415952.560051		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	17860	172	1.0	0.001008	**0.0599**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1088	34	3.1	0.000103	**0.0043**	ug/L
ê	Fe	54	152621	197170	4805	2.4	0.010475	**9.9647**	ug/L
ê	Fe	57	11821	15170	690	4.6	0.000735	**1.9161**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	22	13	59.6	0.000007	**-0.0074**	ug/L
ë	Ni	62	142	161	17	10.3	-0.000007	**-0.0093**	ug/L
é	Cu	65	19	49	3	6.6	0.000020	**-0.0023**	ug/L
ê	Cu	63	40	95	12	12.2	0.000037	**-0.0122**	ug/L
ê	Zn	66	62	193	22	11.4	0.000091	**-0.0633**	ug/L
ê	Zn	68	723	999	15	1.5	0.000139	**-0.0233**	ug/L
ê>	Ge	74	1217221	1363149	31786	2.3	1363149.049788		ug/L
ë	As	75	-151	-159	35	22.1	0.000007	**-0.0090**	ug/L
é	Se	77	135	160	6	3.4	0.000005	**0.0795**	ug/L
ê	Se	82	30	[93]	[5]	[5.4]	[0.000023]	**[0.2092]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	19	2	12.2	0.000000	**-0.0005**	ug/L
ê	Ag	107	5	13	3	24.1	0.000003	**-0.0017**	ug/L
ê	Ag	109	9	5	3	57.3	-0.000002	**-0.0014**	ug/L
ê	Cd	111	5	5	2	32.7	-0.000000	**-0.0006**	ug/L
ê	Cd	114	41	41	9	21.1	-0.000001	**-0.0004**	ug/L
ê>	In	115	2433207	2635649	11259	0.4	2635648.675154		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	44	4	9.1	0.000014	**0.0006**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2262063	34599	1.5	2262062.930269		ug/L
ê	Tl	205	19	6	3	39.7	-0.000006	**-0.0010**	ug/L
ê	Pb	208	233	284	25	8.8	0.000014	**-0.0020**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	46641	497	1.1	4943.251637		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	119.484
|	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	111.989
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	108.320
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	108.755
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-19RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 05:12:28
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 336

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-19RE1.224
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	2	99.0	-0.000002	**-0.0204**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	426135308	4282849	1.0	272.396114	**122334.0900**	ug/L
ê	Mg	24	1090	37876621	165407	0.4	24.213738	**16600.6187**	ug/L
ê	Al	27	4370	1056001	7841	0.7	0.671390	**335.7775**	ug/L
ê	K	39	864283	78103518	1398791	1.8	49.196530	**19996.5022**	ug/L
ê	Ca	44	5853	4238117	52159	1.2	2.704350	**42474.6600**	ug/L
ê>	Sc	45	1185061	1564307	14635	0.9	1564307.086032		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	26226	1389	5.3	0.005152	**3.2038**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	53067	487	0.9	0.033259	**15.6582**	ug/L
ê	Fe	54	152621	347256	10096	2.9	0.093207	**849.6714**	ug/L
ê	Fe	57	11821	51336	1679	3.3	0.022840	**528.9546**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	1635	74	4.5	0.001037	**2.5053**	ug/L
ë	Ni	62	142	596	8	1.3	0.000261	**4.3496**	ug/L
é	Cu	65	19	2561	59	2.3	0.001734	**4.1638**	ug/L
ê	Cu	63	40	9835	166	1.7	0.006686	**7.5854**	ug/L
ê	Zn	66	62	10246	103	1.0	0.006951	**37.9302**	ug/L
ê	Zn	68	723	8320	42	0.5	0.005091	**39.1204**	ug/L
ê>	Ge	74	1217221	1464008	29883	2.0	1464008.333849		ug/L
ë	As	75	-151	51616	1292	2.5	0.035382	**169.4426**	ug/L
é	Se	77	135	234	13	5.7	0.000032	**4.5944**	ug/L
ê	Se	82	30	[16512]	[483]	[2.9]	[0.006120]	**[596.5257]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	1750	26	1.5	0.000643	**1.8252**	ug/L
ê	Ag	107	5	289	7	2.4	0.000105	**0.1181**	ug/L
ê	Ag	109	9	282	20	7.0	0.000101	**0.1077**	ug/L
ê	Cd	111	5	219	26	12.0	0.000079	**0.3997**	ug/L
ê	Cd	114	41	529	2	0.4	0.000180	**0.3941**	ug/L
ê>	In	115	2433207	2692435	58255	2.2	2692434.700671		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	199	14	7.1	0.000071	**0.1035**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2342317	11660	0.5	2342316.583699		ug/L
ê	Tl	205	19	221	12	5.6	0.000085	**0.0463**	ug/L
ê	Pb	208	233	10938	141	1.3	0.004557	**2.0790**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	96684	714	0.7	54986.648893		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	132.002
|	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	120.275
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	110.654
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	112.613
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-20RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 05:15:55
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 337

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-20RE1.225
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	2	45.8	-0.000002	**-0.0163**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	506292497	5537452	1.1	325.437895	**146155.8783**	ug/L
ê	Mg	24	1090	49505062	703006	1.4	31.822141	**21816.8463**	ug/L
ê	Al	27	4370	1097427	9775	0.9	0.701733	**350.9871**	ug/L
ê	K	39	864283	77948718	140120	0.2	49.376153	**20069.5421**	ug/L
ê	Ca	44	5853	10018022	376383	3.8	6.432320	**101029.7835**	ug/L
ê>	Sc	45	1185061	1555925	24179	1.6	1555924.931629		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	29564	424	1.4	0.007391	**4.6109**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	70977	1849	2.6	0.044947	**21.1624**	ug/L
ê	Fe	54	152621	426466	5820	1.4	0.145331	**1322.2174**	ug/L
ê	Fe	57	11821	74565	2007	2.7	0.037969	**877.8761**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	6362	110	1.7	0.004082	**10.1334**	ug/L
ë	Ni	62	142	1470	60	4.1	0.000825	**13.7133**	ug/L
é	Cu	65	19	2200	32	1.5	0.001516	**3.6321**	ug/L
ê	Cu	63	40	9710	107	1.1	0.006727	**7.6337**	ug/L
ê	Zn	66	62	6164	52	0.8	0.004241	**22.6960**	ug/L
ê	Zn	68	723	5224	62	1.2	0.003044	**22.8497**	ug/L
ê>	Ge	74	1217221	1436615	21878	1.5	1436614.578760		ug/L
ë	As	75	-151	56787	250	0.4	0.039657	**189.9290**	ug/L
é	Se	77	135	250	16	6.2	0.000038	**5.4794**	ug/L
ê	Se	82	30	[18874]	[92]	[0.5]	[0.006995]	**[681.8637]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	1307	27	2.0	0.000478	**1.3557**	ug/L
ê	Ag	107	5	252	14	5.4	0.000092	**0.1002**	ug/L
ê	Ag	109	9	254	7	2.8	0.000091	**0.0951**	ug/L
ê	Cd	111	5	107	10	9.0	0.000038	**0.1869**	ug/L
ê	Cd	114	41	270	25	9.1	0.000084	**0.1823**	ug/L
ê>	In	115	2433207	2693901	43125	1.6	2693901.323367		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	218	4	1.7	0.000078	**0.1152**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2335750	12969	0.6	2335749.692245		ug/L
ê	Tl	205	19	230	22	9.6	0.000089	**0.0487**	ug/L
ê	Pb	208	233	9524	140	1.5	0.003966	**1.8057**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	101561	232	0.2	59863.635854		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	131.295
⎢	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	118.024
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	110.714
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	112.297
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-21RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 05:19:22
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 338

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-21RE1.226
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	23	1	4.3	0.000011	**0.0683**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	285579543	4892336	1.7	189.599220	**85148.8744**	ug/L
ê	Mg	24	1090	92983647	553537	0.6	61.726366	**42318.8153**	ug/L
ê	Al	27	4370	15436730	151189	1.0	10.244430	**5134.3896**	ug/L
ê	K	39	864283	55486351	493949	0.9	36.105069	**14673.1313**	ug/L
ê	Ca	44	5853	57012885	603652	1.1	37.845239	**594431.6356**	ug/L
ê>	Sc	45	1185061	1506464	20308	1.3	1506463.780081		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	99340	1582	1.6	0.054339	**34.1240**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	449584	9277	2.1	0.297766	**140.2278**	ug/L
ê	Fe	54	152621	1892716	30433	1.6	1.127804	**10229.0855**	ug/L
ê	Fe	57	11821	634581	14959	2.4	0.411241	**9486.5431**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	14019	811	5.8	0.009295	**23.1927**	ug/L
ë	Ni	62	142	4716	80	1.7	0.003010	**49.9911**	ug/L
é	Cu	65	19	7240	87	1.2	0.005309	**12.9004**	ug/L
ê	Cu	63	40	17649	160	0.9	0.012949	**14.8452**	ug/L
ê	Zn	66	62	10915	153	1.4	0.007977	**43.6998**	ug/L
ê	Zn	68	723	8353	127	1.5	0.005551	**42.7771**	ug/L
ê>	Ge	74	1217221	1359612	8633	0.6	1359612.333482		ug/L
ë	As	75	-151	39629	319	0.8	0.029272	**140.1590**	ug/L
é	Se	77	135	209	17	8.3	0.000024	**3.5339**	ug/L
ê	Se	82	30	[12115]	[101]	[0.8]	[0.004598]	**[448.1488]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	1576	48	3.0	0.000592	**1.6807**	ug/L
ê	Ag	107	5	221	13	5.8	0.000082	**0.0874**	ug/L
ê	Ag	109	9	170	14	8.1	0.000061	**0.0601**	ug/L
ê	Cd	111	5	176	12	6.6	0.000065	**0.3263**	ug/L
ê	Cd	114	41	442	12	2.7	0.000151	**0.3318**	ug/L
ê>	In	115	2433207	2628221	30132	1.1	2628220.705481		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	328	37	11.4	0.000122	**0.1903**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2293311	9383	0.4	2293311.109237		ug/L
ê	Tl	205	19	376	16	4.3	0.000155	**0.0891**	ug/L
ê	Pb	208	233	98040	1004	1.0	0.042639	**19.6680**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	87901	986	1.1	46203.523532		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	127.121
⎢	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	111.698
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	108.015
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	110.257
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-22RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 05:22:49
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 339

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-22RE1.227
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	17	4	23.3	0.000008	**0.0451**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	359006068	3705703	1.0	241.201589	**108324.2029**	ug/L
ê	Mg	24	1090	87886945	1934136	2.2	59.048778	**40483.0939**	ug/L
ê	Al	27	4370	10916881	56825	0.5	7.331470	**3674.2299**	ug/L
ê	K	39	864283	49852911	489110	1.0	32.767268	**13315.8841**	ug/L
ê	Ca	44	5853	47549746	757918	1.6	31.946137	**501774.6003**	ug/L
ê>	Sc	45	1185061	1488292	6680	0.4	1488292.341688		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	80503	1920	2.4	0.042485	**26.6719**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	417750	7721	1.8	0.280033	**131.8765**	ug/L
ê	Fe	54	152621	1574837	28483	1.8	0.929416	**8430.5441**	ug/L
ê	Fe	57	11821	486470	11139	2.3	0.316899	**7310.7489**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	18541	409	2.2	0.012450	**31.0953**	ug/L
ë	Ni	62	142	5040	62	1.2	0.003266	**54.2408**	ug/L
é	Cu	65	19	5887	123	2.1	0.004352	**10.5607**	ug/L
ê	Cu	63	40	15520	322	2.1	0.011483	**13.1457**	ug/L
ê	Zn	66	62	8616	161	1.9	0.006342	**34.5067**	ug/L
ê	Zn	68	723	6986	57	0.8	0.004589	**35.1345**	ug/L
ê>	Ge	74	1217221	1347870	4233	0.3	1347870.175299		ug/L
ë	As	75	-151	35001	420	1.2	0.026092	**124.9206**	ug/L
é	Se	77	135	237	22	9.2	0.000034	**5.0206**	ug/L
ê	Se	82	30	[10881]	[148]	[1.4]	[0.004111]	**[400.6632]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	1240	16	1.3	0.000463	**1.3117**	ug/L
ê	Ag	107	5	187	12	6.5	0.000069	**0.0699**	ug/L
ê	Ag	109	9	121	11	8.9	0.000042	**0.0375**	ug/L
ê	Cd	111	5	142	16	11.0	0.000052	**0.2596**	ug/L
ê	Cd	114	41	354	5	1.4	0.000117	**0.2566**	ug/L
ê>	In	115	2433207	2639093	18683	0.7	2639092.684668		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	279	5	1.6	0.000103	**0.1578**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2316726	8381	0.4	2316725.629481		ug/L
ê	Tl	205	19	220	10	4.6	0.000086	**0.0467**	ug/L
ê	Pb	208	233	79833	1218	1.5	0.034349	**15.8392**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	84876	1050	1.2	43178.650434		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	125.588
|	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	110.733
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	108.461
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	111.383
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-23RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 05:26:16
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 340

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-23RE1.228
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	26	6	20.9	0.000014	**0.0844**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	402196883	6540012	1.6	271.619396	**121985.2558**	ug/L
ê	Mg	24	1090	102637255	1331970	1.3	69.315367	**47521.7406**	ug/L
ê	Al	27	4370	16080357	291955	1.8	10.855939	**5440.9166**	ug/L
ê	K	39	864283	49917827	971127	1.9	32.984705	**13404.3001**	ug/L
ê	Ca	44	5853	56783449	1521264	2.7	38.342067	**602235.2988**	ug/L
ê>	Sc	45	1185061	1481013	18765	1.3	1481013.139105		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	113407	1664	1.5	0.064979	**40.8120**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	578216	12148	2.1	0.389785	**183.5639**	ug/L
ê	Fe	54	152621	2181011	25585	1.2	1.344137	**12190.3086**	ug/L
ê	Fe	57	11821	722173	15569	2.2	0.477744	**11020.2682**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	32550	558	1.7	0.021971	**54.9466**	ug/L
ë	Ni	62	142	7625	72	0.9	0.005029	**83.4986**	ug/L
é	Cu	65	19	7730	193	2.5	0.005931	**14.4196**	ug/L
ê	Cu	63	40	19295	249	1.3	0.014811	**17.0035**	ug/L
ê	Zn	66	62	9637	10	0.1	0.007362	**40.2409**	ug/L
ê	Zn	68	723	7539	49	0.6	0.005206	**40.0338**	ug/L
ê>	Ge	74	1217221	1300133	15144	1.2	1300132.789841		ug/L
ë	As	75	-151	31757	339	1.1	0.024550	**117.5292**	ug/L
é	Se	77	135	226	12	5.2	0.000031	**4.5476**	ug/L
ê	Se	82	30	[9344]	[119]	[1.3]	[0.003566]	**[347.5349]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	1492	50	3.4	0.000564	**1.6007**	ug/L
ê	Ag	107	5	216	9	3.9	0.000081	**0.0859**	ug/L
ê	Ag	109	9	169	3	1.6	0.000061	**0.0601**	ug/L
ê	Cd	111	5	174	5	2.6	0.000064	**0.3238**	ug/L
ê	Cd	114	41	419	29	6.8	0.000144	**0.3151**	ug/L
ê>	In	115	2433207	2611168	6975	0.3	2611168.480407		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	315	22	6.9	0.000118	**0.1833**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2293954	23090	1.0	2293953.890255		ug/L
ê	Tl	205	19	322	16	4.8	0.000132	**0.0747**	ug/L
ê	Pb	208	233	77708	302	0.4	0.033766	**15.5698**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	84261	767	0.9	42563.345508		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	124.974
⎢	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	106.812
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	107.314
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	110.288
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-24RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 05:29:43
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 341

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408020-24RE1.229
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	1	43.3	-0.000002	**-0.0189**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	486557710	5326781	1.1	317.566386	**142620.6762**	ug/L
ê	Mg	24	1090	40635122	645552	1.6	26.522746	**18183.6462**	ug/L
ê	Al	27	4370	1059343	13248	1.3	0.687746	**343.9762**	ug/L
ê	K	39	864283	65464913	716650	1.1	42.001745	**17070.8920**	ug/L
ê	Ca	44	5853	2677501	18189	0.7	1.742825	**27372.0278**	ug/L
ê>	Sc	45	1185061	1532084	12718	0.8	1532083.515715		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	26722	429	1.6	0.005831	**3.6301**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	45378	957	2.1	0.028953	**13.6303**	ug/L
ê	Fe	54	152621	368717	4426	1.2	0.111897	**1019.1132**	ug/L
ê	Fe	57	11821	55243	1113	2.0	0.026080	**603.6826**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	2229	77	3.5	0.001446	**3.5312**	ug/L
ë	Ni	62	142	593	44	7.4	0.000267	**4.4492**	ug/L
é	Cu	65	19	1852	11	0.6	0.001274	**3.0405**	ug/L
ê	Cu	63	40	8632	96	1.1	0.005977	**6.7635**	ug/L
ê	Zn	66	62	10494	152	1.4	0.007254	**39.6363**	ug/L
ê	Zn	68	723	8310	158	1.9	0.005192	**39.9220**	ug/L
ê>	Ge	74	1217221	1436527	16373	1.1	1436526.807033		ug/L
ë	As	75	-151	42923	1464	3.4	0.030013	**143.7112**	ug/L
é	Se	77	135	224	20	9.0	0.000028	**4.1426**	ug/L
ê	Se	82	30	[13912]	[491]	[3.5]	[0.005176]	**[504.5666]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	1691	18	1.0	0.000624	**1.7692**	ug/L
ê	Ag	107	5	179	14	7.9	0.000065	**0.0647**	ug/L
ê	Ag	109	9	187	5	2.5	0.000066	**0.0659**	ug/L
ê	Cd	111	5	121	4	3.1	0.000043	**0.2143**	ug/L
ê	Cd	114	41	339	44	13.1	0.000110	**0.2399**	ug/L
ê>	In	115	2433207	2680625	31176	1.2	2680625.104487		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	191	9	4.7	0.000068	**0.0987**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2332637	14978	0.6	2332637.278894		ug/L
ê	Tl	205	19	196	24	12.1	0.000075	**0.0400**	ug/L
ê	Pb	208	233	9135	112	1.2	0.003804	**1.7311**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	99178	1204	1.2	57480.344504		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	129.283
⎢	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	118.017
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	110.168
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	112.148
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-DUP4
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 05:33:10
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 342

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-DUP4.230
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	4	1	25.0	-0.000001	**-0.0136**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	530485100	4597728	0.9	338.300238	**151932.5319**	ug/L
ê	Mg	24	1090	51233017	325481	0.6	32.673794	**22400.7289**	ug/L
ê	Al	27	4370	807437	10318	1.3	0.511272	**255.5160**	ug/L
ê	K	39	864283	66427536	888344	1.3	41.634763	**16921.6664**	ug/L
ê	Ca	44	5853	4940324	92418	1.9	3.145943	**49410.7537**	ug/L
ê>	Sc	45	1185061	1568020	7391	0.5	1568019.758739		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	24834	332	1.3	0.004228	**2.6224**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	44630	534	1.2	0.027798	**13.0860**	ug/L
ê	Fe	54	152621	340098	6015	1.8	0.088117	**803.5330**	ug/L
ê	Fe	57	11821	43912	913	2.1	0.018029	**418.0055**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	1530	74	4.8	0.000967	**2.3311**	ug/L
ë	Ni	62	142	597	13	2.2	0.000261	**4.3455**	ug/L
é	Cu	65	19	1761	23	1.3	0.001206	**2.8732**	ug/L
ê	Cu	63	40	8982	232	2.6	0.006196	**7.0176**	ug/L
ê	Zn	66	62	9060	162	1.8	0.006231	**33.8856**	ug/L
ê	Zn	68	723	7261	115	1.6	0.004440	**33.9469**	ug/L
ê>	Ge	74	1217221	1442463	16107	1.1	1442463.484971		ug/L
ë	As	75	-151	44356	1713	3.9	0.030885	**147.8894**	ug/L
é	Se	77	135	241	11	4.6	0.000034	**4.9605**	ug/L
ê	Se	82	30	[14419]	[605]	[4.2]	[0.005329]	**[519.4696]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	2055	63	3.1	0.000754	**2.1399**	ug/L
ê	Ag	107	5	170	13	7.7	0.000061	**0.0595**	ug/L
ê	Ag	109	9	167	9	5.1	0.000058	**0.0565**	ug/L
ê	Cd	111	5	147	8	5.5	0.000052	**0.2618**	ug/L
ê	Cd	114	41	357	14	3.9	0.000116	**0.2528**	ug/L
ê>	In	115	2433207	2700293	29749	1.1	2700293.171533		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	179	17	9.7	0.000063	**0.0904**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2330062	3574	0.2	2330062.395869		ug/L
ê	Tl	205	19	168	5	2.8	0.000063	**0.0327**	ug/L
ê	Pb	208	233	8178	46	0.6	0.003398	**1.5432**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	98965	1027	1.0	57267.198235		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	132.316
|	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	118.505
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	110.977
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	112.024
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-MS4
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 05:36:37
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 343

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-MS4.231
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2951	144	4.9	0.001921	**12.3835**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	491699433	7171541	1.5	320.727775	**144040.4991**	ug/L
ê	Mg	24	1090	41151426	446402	1.1	26.843426	**18403.5006**	ug/L
ê	Al	27	4370	1184591	9555	0.8	0.769085	**384.7485**	ug/L
ê	K	39	864283	64471709	1758757	2.7	41.323309	**16795.0203**	ug/L
ê	Ca	44	5853	1822625	15077	0.8	1.184027	**18594.9958**	ug/L
ê>	Sc	45	1185061	1532974	13076	0.9	1532974.063949		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	72610	2924	4.0	0.035746	**22.4358**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	55222	1063	1.9	0.035355	**16.6450**	ug/L
ê	Fe	54	152621	452753	2710	0.6	0.166579	**1514.8496**	ug/L
ê	Fe	57	11821	91387	419	0.5	0.049642	**1147.1026**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	1825	52	2.9	0.001182	**2.8691**	ug/L
ë	Ni	62	142	525	31	5.9	0.000223	**3.7129**	ug/L
é	Cu	65	19	14636	110	0.7	0.010193	**24.8317**	ug/L
ê	Cu	63	40	35733	333	0.9	0.024890	**28.6869**	ug/L
ê	Zn	66	62	40298	800	2.0	0.028056	**156.5661**	ug/L
ê	Zn	68	723	28997	229	0.8	0.019631	**154.6860**	ug/L
ê>	Ge	74	1217221	1433798	10799	0.8	1433797.966517		ug/L
ë	As	75	-151	42229	832	2.0	0.029574	**141.6086**	ug/L
é	Se	77	135	607	28	4.6	0.000172	**24.8596**	ug/L
ê	Se	82	30	[13596]	[228]	[1.7]	[0.005072]	**[494.3521]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	5990	130	2.2	0.002233	**6.3486**	ug/L
ê	Ag	107	5	27675	330	1.2	0.010348	**13.6236**	ug/L
ê	Ag	109	9	29052	203	0.7	0.010860	**12.8643**	ug/L
ê	Cd	111	5	1629	44	2.7	0.000607	**3.0881**	ug/L
ê	Cd	114	41	3693	27	0.7	0.001364	**3.0058**	ug/L
ê>	In	115	2433207	2674350	29720	1.1	2674350.002406		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	3756	21	0.6	0.001402	**2.3789**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2315256	31845	1.4	2315255.878732		ug/L
ê	Tl	205	19	3997	17	0.4	0.001718	**1.0492**	ug/L
ê	Pb	208	233	34279	79	0.2	0.014695	**6.7615**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	98945	1344	1.4	57247.076951		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	129.358
⎢	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	117.793
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	109.910
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	111.312
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140398-MSD4
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 05:40:05
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 344

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\B140398-MSD4.232
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2974	80	2.7	0.001907	**12.2961**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	469830213	4818700	1.0	301.951540	**135607.8356**	ug/L
ê	Mg	24	1090	40743050	419000	1.0	26.188758	**17954.6683**	ug/L
ê	Al	27	4370	1265591	12900	1.0	0.809828	**405.1714**	ug/L
ê	K	39	864283	64202347	1310335	2.0	40.543184	**16477.7987**	ug/L
ê	Ca	44	5853	2224775	12734	0.6	1.425013	**22380.1648**	ug/L
ê>	Sc	45	1185061	1556062	22429	1.4	1556062.112540		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	74637	1100	1.5	0.036357	**22.8196**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	56637	511	0.9	0.035736	**16.8245**	ug/L
ê	Fe	54	152621	466988	9719	2.1	0.171361	**1558.2017**	ug/L
ê	Fe	57	11821	95524	2228	2.3	0.051433	**1188.3904**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	1861	108	5.8	0.001188	**2.8851**	ug/L
ë	Ni	62	142	579	34	5.8	0.000252	**4.2025**	ug/L
é	Cu	65	19	14767	192	1.3	0.010251	**24.9746**	ug/L
ê	Cu	63	40	36401	577	1.6	0.025276	**29.1353**	ug/L
ê	Zn	66	62	38343	846	2.2	0.026609	**148.4317**	ug/L
ê	Zn	68	723	27445	429	1.6	0.018488	**145.6025**	ug/L
ê>	Ge	74	1217221	1438409	9442	0.7	1438409.222991		ug/L
ë	As	75	-151	43089	1315	3.1	0.030078	**144.0201**	ug/L
é	Se	77	135	588	25	4.2	0.000164	**23.7707**	ug/L
ê	Se	82	30	[13868]	[427]	[3.1]	[0.005163]	**[503.2776]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	5871	99	1.7	0.002184	**6.2104**	ug/L
ê	Ag	107	5	27835	235	0.8	0.010386	**13.6738**	ug/L
ê	Ag	109	9	29134	242	0.8	0.010870	**12.8756**	ug/L
ê	Cd	111	5	1545	58	3.7	0.000575	**2.9220**	ug/L
ê	Cd	114	41	3655	55	1.5	0.001347	**2.9691**	ug/L
ê>	In	115	2433207	2679476	20469	0.8	2679475.885211		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	3703	40	1.1	0.001379	**2.3403**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2313752	23511	1.0	2313752.297403		ug/L
ê	Tl	205	19	3967	102	2.6	0.001706	**1.0418**	ug/L
ê	Pb	208	233	34770	167	0.5	0.014917	**6.8639**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	101756	916	0.9	60058.365688		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	131.307
|	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	118.172
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	110.121
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	111.240
|	Tl	205	
|	Pb	208	
|	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, March 18, 2014 05:43:34
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCVC.233
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	6571	54	0.8	0.004703	**3.0327**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	9717230	282824	2.9	6.946405	**311.7002**	ug/L
ê	Mg	24	1090	6232432	62815	1.0	4.463926	**306.0390**	ug/L
ê	Al	27	4370	868639	7855	0.9	0.618594	**30.9313**	ug/L
ê	K	39	864283	11266680	201302	1.8	7.341995	**297.7225**	ug/L
ê	Ca	44	5853	550541	2426	0.4	0.389464	**611.4822**	ug/L
ê>	Sc	45	1185061	1395922	6428	0.5	1395922.230656		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	84902	96	0.1	0.049212	**3.0901**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	38074	586	1.5	0.026608	**1.2526**	ug/L
ê	Fe	54	152621	358729	4101	1.1	0.128209	**116.6991**	ug/L
ê	Fe	57	11821	79018	787	1.0	0.046633	**107.7695**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	23448	558	2.4	0.016790	**4.1969**	ug/L
ë	Ni	62	142	3722	36	1.0	0.002546	**4.2286**	ug/L
é	Cu	65	19	14456	211	1.5	0.010608	**2.5847**	ug/L
ê	Cu	63	40	30797	107	0.3	0.022598	**2.6031**	ug/L
ê	Zn	66	62	10243	109	1.1	0.007476	**4.0884**	ug/L
ê	Zn	68	723	8008	77	1.0	0.005290	**4.0703**	ug/L
ê>	Ge	74	1217221	1361117	22038	1.6	1361116.635627		ug/L
ë	As	75	-151	15701	341	2.2	0.011659	**5.5751**	ug/L
é	Se	77	135	2001	9	0.4	0.000710	**10.2563**	ug/L
ê	Se	82	30	[3009]	[62]	[2.1]	[0.001138]	**[11.0788]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	5948	23	0.4	0.002267	**0.6446**	ug/L
ê	Ag	107	5	8438	120	1.4	0.003224	**0.4230**	ug/L
ê	Ag	109	9	9081	62	0.7	0.003468	**0.4099**	ug/L
ê	Cd	111	5	1990	34	1.7	0.000759	**0.3860**	ug/L
ê	Cd	114	41	4658	126	2.7	0.001764	**0.3887**	ug/L
ê>	In	115	2433207	2616043	24604	0.9	2616042.629466		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	5861	8	0.1	0.002238	**0.3809**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2210697	21596	1.0	2210696.833120		ug/L
ê	Tl	205	19	7623	72	0.9	0.003440	**0.2107**	ug/L
ê	Pb	208	233	25415	55	0.2	0.011385	**0.5233**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	47897	498	1.0	6199.063299		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	117.793
⎢	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	111.822
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	107.514
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	106.285
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 18, 2014 05:47:01
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCBC.234
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	4	2	43.3	-0.000001	**-0.0012**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	36434	601	1.6	0.010889	**0.2167**	ug/L
ê	Mg	24	1090	1678	66	3.9	0.000286	**0.0174**	ug/L
ê	Al	27	4370	5947	73	1.2	0.000584	**-0.0473**	ug/L
ê	K	39	864283	891952	4721	0.5	-0.088692	**-4.4309**	ug/L
ê	Ca	44	5853	6689	59	0.9	-0.000134	**-0.4593**	ug/L
ê>	Sc	45	1185061	1392343	11326	0.8	1392342.663815		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	18053	223	1.2	0.001357	**0.0818**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1055	52	5.0	0.000091	**0.0038**	ug/L
ê	Fe	54	152621	198010	2090	1.1	0.013426	**12.6394**	ug/L
ê	Fe	57	11821	16147	243	1.5	0.001623	**3.9642**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	25	11	42.5	0.000009	**-0.0069**	ug/L
ë	Ni	62	142	162	9	5.7	-0.000004	**-0.0040**	ug/L
é	Cu	65	19	57	16	27.3	0.000026	**-0.0008**	ug/L
ê	Cu	63	40	90	12	12.8	0.000034	**-0.0126**	ug/L
ê	Zn	66	62	188	6	3.0	0.000087	**-0.0651**	ug/L
ê	Zn	68	723	1014	39	3.8	0.000151	**-0.0140**	ug/L
ê>	Ge	74	1217221	1361098	7498	0.6	1361097.929475		ug/L
ë	As	75	-151	-95	21	21.8	0.000054	**0.0137**	ug/L
é	Se	77	135	151	12	7.9	0.000002	**0.0353**	ug/L
ê	Se	82	30	[104]	[3]	[2.5]	[0.000027]	**[0.2511]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	18	2	8.6	-0.000000	**-0.0006**	ug/L
ê	Ag	107	5	6	2	28.9	0.000000	**-0.0020**	ug/L
ê	Ag	109	9	7	2	24.7	-0.000001	**-0.0014**	ug/L
ê	Cd	111	5	4	1	25.0	-0.000001	**-0.0007**	ug/L
ê	Cd	114	41	45	1	3.3	0.000000	**-0.0001**	ug/L
ê>	In	115	2433207	2618520	17403	0.7	2618519.835462		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	37	6	17.5	0.000011	**0.0001**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2203547	20786	0.9	2203547.303901		ug/L
ê	Tl	205	19	10	2	20.0	-0.000004	**-0.0009**	ug/L
ê	Pb	208	233	277	17	6.3	0.000013	**-0.0020**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	47765	401	0.8	6066.953391		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	117.491
⎢	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	111.820
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	107.616
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	105.941
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-01RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 05:50:29
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 345

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408011-01RE1.235
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	4	2	41.7	-0.000002	**-0.0150**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	56755101	746927	1.3	36.384893	**16338.2283**	ug/L
ê	Mg	24	1090	2607571	21814	0.8	1.671462	**1145.9119**	ug/L
ê	Al	27	4370	77646	1822	2.3	0.046127	**22.3562**	ug/L
ê	K	39	864283	61217613	2310969	3.8	38.557626	**15670.4128**	ug/L
ê	Ca	44	5853	335866	2462	0.7	0.210419	**3302.5584**	ug/L
ê>	Sc	45	1185061	1560361	46872	3.0	1560360.983120		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	28990	893	3.1	0.006989	**4.3583**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	15635	209	1.3	0.009360	**4.4026**	ug/L
ê	Fe	54	152621	352794	1100	0.3	0.097455	**888.1817**	ug/L
ê	Fe	57	11821	53799	1907	3.5	0.024547	**568.3361**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	624	37	5.9	0.000392	**0.8893**	ug/L
ë	Ni	62	142	255	13	4.9	0.000043	**0.7383**	ug/L
é	Cu	65	19	7471	202	2.7	0.005041	**12.2451**	ug/L
ê	Cu	63	40	16300	388	2.4	0.011000	**12.5867**	ug/L
ê	Zn	66	62	81608	1256	1.5	0.055181	**309.0439**	ug/L
ê	Zn	68	723	57774	173	0.3	0.038508	**304.7254**	ug/L
ê>	Ge	74	1217221	1477575	11929	0.8	1477575.114459		ug/L
ë	As	75	-151	718	44	6.1	0.000610	**2.8004**	ug/L
é	Se	77	135	332	3	1.0	0.000066	**9.5883**	ug/L
ê	Se	82	30	[337]	[12]	[3.6]	[0.000111]	**[10.6444]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	105	1	1.3	0.000031	**0.0837**	ug/L
ê	Ag	107	5	517	22	4.2	0.000187	**0.2258**	ug/L
ê	Ag	109	9	523	18	3.5	0.000188	**0.2099**	ug/L
ê	Cd	111	5	13	2	16.4	0.000003	**0.0086**	ug/L
ê	Cd	114	41	64	4	5.6	0.000006	**0.0122**	ug/L
ê>	In	115	2433207	2736689	14368	0.5	2736688.763603		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	44	6	14.5	0.000013	**0.0043**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2300190	14286	0.6	2300189.993817		ug/L
ê	Tl	205	19	202	13	6.4	0.000079	**0.0424**	ug/L
ê	Pb	208	233	1025	25	2.4	0.000334	**0.1281**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	334069	2803	0.8	292371.682066		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	131.669
⎢	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	121.389
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	112.472
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	110.588
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-02RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 05:53:56
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 346

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408011-02RE1.236
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	20	5	22.9	0.000009	**0.0554**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	87995782	1138638	1.3	58.404864	**26227.6980**	ug/L
ê	Mg	24	1090	20177482	312716	1.5	13.394531	**9183.1035**	ug/L
ê	Al	27	4370	9467186	120844	1.3	6.281469	**3147.9031**	ug/L
ê	K	39	864283	81133854	985538	1.2	53.133076	**21597.2168**	ug/L
ê	Ca	44	5853	40666174	286833	0.7	26.990861	**423942.2136**	ug/L
ê>	Sc	45	1185061	1506500	19062	1.3	1506499.638362		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	104877	2408	2.3	0.058026	**36.4412**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	529882	4721	0.9	0.351078	**165.3352**	ug/L
ê	Fe	54	152621	793922	13669	1.7	0.398343	**3615.9647**	ug/L
ê	Fe	57	11821	200349	2812	1.4	0.123041	**2839.8769**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	-6540	171	2.6	-0.004351	**-10.9906**	ug/L
ë	Ni	62	142	615	50	8.2	0.000288	**4.7984**	ug/L
é	Cu	65	19	5251	33	0.6	0.003849	**9.3330**	ug/L
ê	Cu	63	40	11876	70	0.6	0.008708	**9.9300**	ug/L
ê	Zn	66	62	102461	1143	1.1	0.075364	**422.5016**	ug/L
ê	Zn	68	723	72298	815	1.1	0.052624	**416.9229**	ug/L
ê>	Ge	74	1217221	1358793	17080	1.3	1358792.651469		ug/L
ë	As	75	-151	293	80	27.1	0.000340	**1.5075**	ug/L
é	Se	77	135	358	18	4.9	0.000081	**11.7751**	ug/L
ê	Se	82	30	[382]	[6]	[1.7]	[0.000133]	**[12.8241]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	1335	46	3.4	0.000502	**1.4224**	ug/L
ê	Ag	107	5	69	9	12.4	0.000024	**0.0112**	ug/L
ê	Ag	109	9	61	9	14.3	0.000020	**0.0109**	ug/L
ê	Cd	111	5	40	1	1.4	0.000013	**0.0634**	ug/L
ê	Cd	114	41	129	9	6.8	0.000033	**0.0697**	ug/L
ê>	In	115	2433207	2623547	9808	0.4	2623547.213757		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	178	18	10.1	0.000065	**0.0928**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2264882	24280	1.1	2264882.145261		ug/L
ê	Tl	205	19	102	20	19.6	0.000036	**0.0160**	ug/L
ê	Pb	208	233	12450	201	1.6	0.005386	**2.4614**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	202906	2190	1.1	161208.158374		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	127.124
⎢	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	111.631
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	107.823
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	108.890
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-03RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 05:57:23
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 347

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408011-03RE1.237
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	1	33.3	-0.000002	**-0.0176**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	57827928	1469088	2.5	37.385113	**16787.4408**	ug/L
ê	Mg	24	1090	3467902	52229	1.5	2.241946	**1537.0289**	ug/L
ê	Al	27	4370	89391	1696	1.9	0.054126	**26.3657**	ug/L
ê	K	39	864283	83094449	582297	0.7	53.011585	**21547.8148**	ug/L
ê	Ca	44	5853	803770	18810	2.3	0.514895	**8084.9638**	ug/L
ê>	Sc	45	1185061	1546211	1975	0.1	1546211.090378		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	38788	1008	2.6	0.013476	**8.4362**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	26476	310	1.2	0.016457	**7.7451**	ug/L
ê	Fe	54	152621	312210	8703	2.8	0.073136	**667.7127**	ug/L
ê	Fe	57	11821	36123	888	2.5	0.013387	**310.9621**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	794	67	8.4	0.000505	**1.1739**	ug/L
ë	Ni	62	142	328	26	7.8	0.000092	**1.5427**	ug/L
é	Cu	65	19	7419	200	2.7	0.005082	**12.3439**	ug/L
ê	Cu	63	40	16014	325	2.0	0.010970	**12.5517**	ug/L
ê	Zn	66	62	71563	546	0.8	0.049115	**274.9483**	ug/L
ê	Zn	68	723	50448	790	1.6	0.034066	**269.4191**	ug/L
ê>	Ge	74	1217221	1455575	9493	0.7	1455574.909829		ug/L
ë	As	75	-151	568	56	9.8	0.000514	**2.3424**	ug/L
é	Se	77	135	341	23	6.7	0.000069	**10.0561**	ug/L
ê	Se	82	30	[289]	[18]	[6.2]	[0.000093]	**[8.9405]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	144	14	9.6	0.000045	**0.1241**	ug/L
ê	Ag	107	5	279	17	6.2	0.000100	**0.1113**	ug/L
ê	Ag	109	9	287	14	4.8	0.000102	**0.1080**	ug/L
ê	Cd	111	5	9	2	17.6	0.000001	**0.0012**	ug/L
ê	Cd	114	41	57	3	6.1	0.000004	**0.0071**	ug/L
ê>	In	115	2433207	2731534	24775	0.9	2731533.694277		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	33	9	26.2	0.000009	**-0.0023**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2303614	11549	0.5	2303614.400293		ug/L
ê	Tl	205	19	58	4	7.5	0.000016	**0.0038**	ug/L
ê	Pb	208	233	1140	9	0.8	0.000383	**0.1509**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	330977	2467	0.7	289279.231098		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	130.475
⎢	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	119.582
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	112.261
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	110.752
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-04RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 06:00:50
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 348

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408011-04RE1.238
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	1	43.3	-0.000002	**-0.0185**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	62807632	920137	1.5	42.285714	**18988.3679**	ug/L
ê	Mg	24	1090	13344997	163690	1.2	8.986982	**6161.3420**	ug/L
ê	Al	27	4370	195266	2880	1.5	0.127824	**63.3080**	ug/L
ê	K	39	864283	64466806	402303	0.6	42.689334	**17350.4861**	ug/L
ê	Ca	44	5853	27634229	526855	1.9	18.606689	**292252.2723**	ug/L
ê>	Sc	45	1185061	1484770	1165	0.1	1484769.658941		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	380217	12380	3.3	0.244465	**153.6415**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	256115	7131	2.8	0.171826	**80.9163**	ug/L
ê	Fe	54	152621	499505	7826	1.6	0.207629	**1886.9993**	ug/L
ê	Fe	57	11821	102451	2455	2.4	0.059025	**1363.4921**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	-3478	53	1.5	-0.002351	**-5.9814**	ug/L
ë	Ni	62	142	524	9	1.8	0.000233	**3.8870**	ug/L
é	Cu	65	19	3736	104	2.8	0.002742	**6.6271**	ug/L
ê	Cu	63	40	8448	226	2.7	0.006202	**7.0246**	ug/L
ê	Zn	66	62	81918	1510	1.8	0.060411	**338.4452**	ug/L
ê	Zn	68	723	57304	1316	2.3	0.041702	**330.1063**	ug/L
ê>	Ge	74	1217221	1355050	10837	0.8	1355049.743548		ug/L
ë	As	75	-151	141	106	75.7	0.000227	**0.9660**	ug/L
é	Se	77	135	306	25	8.1	0.000060	**8.7287**	ug/L
ê	Se	82	30	[316]	[17]	[5.2]	[0.000107]	**[10.2541]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	3225	6	0.2	0.001210	**3.4379**	ug/L
ê	Ag	107	5	66	6	8.7	0.000023	**0.0094**	ug/L
ê	Ag	109	9	71	3	3.5	0.000023	**0.0152**	ug/L
ê	Cd	111	5	15	2	10.4	0.000003	**0.0133**	ug/L
ê	Cd	114	41	67	15	22.8	0.000009	**0.0171**	ug/L
ê>	In	115	2433207	2649793	4614	0.2	2649793.193042		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	49	10	20.4	0.000016	**0.0088**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2253387	29457	1.3	2253387.266001		ug/L
ê	Tl	205	19	47	5	10.6	0.000012	**0.0011**	ug/L
ê	Pb	208	233	2819	141	5.0	0.001140	**0.5003**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	177298	1236	0.7	135600.697378		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	125.291
|	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	111.323
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	108.901
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	108.337
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-05RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 06:04:18
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 349

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408011-05RE1.239
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	3	88.2	-0.000002	**-0.0177**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	117565051	1623897	1.4	75.847132	**34061.2589**	ug/L
ê	Mg	24	1090	5346596	89529	1.7	3.449490	**2364.9057**	ug/L
ê	Al	27	4370	701546	7423	1.1	0.448947	**224.2749**	ug/L
ê	K	39	864283	109547569	1506758	1.4	69.946306	**28433.9674**	ug/L
ê	Ca	44	5853	1154443	10804	0.9	0.739728	**11616.4095**	ug/L
ê>	Sc	45	1185061	1550868	43579	2.8	1550868.066923		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	36378	1570	4.3	0.011841	**7.4084**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	65840	544	0.8	0.041809	**19.6848**	ug/L
ê	Fe	54	152621	513570	8784	1.7	0.202441	**1839.9668**	ug/L
ê	Fe	57	11821	116600	1165	1.0	0.065258	**1507.2457**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	1877	54	2.9	0.001202	**2.9193**	ug/L
ë	Ni	62	142	516	40	7.7	0.000212	**3.5399**	ug/L
é	Cu	65	19	17224	138	0.8	0.012086	**29.4587**	ug/L
ê	Cu	63	40	37495	328	0.9	0.026308	**30.3309**	ug/L
ê	Zn	66	62	56344	912	1.6	0.039527	**221.0501**	ug/L
ê	Zn	68	723	40091	361	0.9	0.027570	**217.7854**	ug/L
ê>	Ge	74	1217221	1423659	23538	1.7	1423659.441370		ug/L
ë	As	75	-151	173	32	18.4	0.000245	**1.0515**	ug/L
é	Se	77	135	364	10	2.6	0.000079	**11.4318**	ug/L
ê	Se	82	30	[330]	[8]	[2.3]	[0.000109]	**[10.5124]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	311	29	9.4	0.000108	**0.3008**	ug/L
ê	Ag	107	5	51	19	37.3	0.000017	**0.0017**	ug/L
ê	Ag	109	9	46	7	14.4	0.000014	**0.0036**	ug/L
ê	Cd	111	5	14	4	27.7	0.000003	**0.0108**	ug/L
ê	Cd	114	41	65	1	2.2	0.000007	**0.0142**	ug/L
ê>	In	115	2433207	2709874	10153	0.4	2709873.647152		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	29	3	10.3	0.000008	**-0.0047**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2281200	24311	1.1	2281199.761633		ug/L
ê	Tl	205	19	308	17	5.6	0.000126	**0.0713**	ug/L
ê	Pb	208	233	1479	52	3.5	0.000536	**0.2216**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	260438	1098	0.4	218739.785036		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	130.868
|	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	116.960
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	111.370
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	109.675
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-06RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 06:07:45
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 350

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408011-06RE1.240
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	7	2	31.2	0.000001	**-0.0014**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	50869574	491599	1.0	33.876222	**15211.5500**	ug/L
ê	Mg	24	1090	13929888	151255	1.1	9.280091	**6362.2945**	ug/L
ê	Al	27	4370	257597	3903	1.5	0.167941	**83.4168**	ug/L
ê	K	39	864283	44382649	583696	1.3	28.843437	**11720.3397**	ug/L
ê	Ca	44	5853	29591211	631556	2.1	19.713468	**309636.4078**	ug/L
ê>	Sc	45	1185061	1501053	18060	1.2	1501053.196986		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	363904	1030	0.3	0.230843	**145.0786**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	353686	5748	1.6	0.234955	**110.6467**	ug/L
ê	Fe	54	152621	462861	10847	2.3	0.179657	**1633.4124**	ug/L
ê	Fe	57	11821	85028	1782	2.1	0.046667	**1078.4815**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	-3673	120	3.3	-0.002455	**-6.2427**	ug/L
ë	Ni	62	142	532	23	4.3	0.000235	**3.9140**	ug/L
é	Cu	65	19	4343	42	1.0	0.003165	**7.6614**	ug/L
ê	Cu	63	40	9224	213	2.3	0.006721	**7.6265**	ug/L
ê	Zn	66	62	68481	751	1.1	0.050108	**280.5292**	ug/L
ê	Zn	68	723	48744	686	1.4	0.035100	**277.6397**	ug/L
ê>	Ge	74	1217221	1365698	25666	1.9	1365697.963166		ug/L
ë	As	75	-151	-55	50	91.6	0.000084	**0.2798**	ug/L
é	Se	77	135	273	10	3.8	0.000047	**6.8601**	ug/L
ê	Se	82	30	[228]	[8]	[3.4]	[0.000073]	**[6.9984]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	237	20	8.6	0.000082	**0.2282**	ug/L
ê	Ag	107	5	44	3	6.6	0.000014	**-0.0017**	ug/L
ê	Ag	109	9	41	5	12.2	0.000012	**0.0017**	ug/L
ê	Cd	111	5	23	6	24.7	0.000007	**0.0297**	ug/L
ê	Cd	114	41	69	17	24.1	0.000009	**0.0183**	ug/L
ê>	In	115	2433207	2659250	23467	0.9	2659249.625945		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	76	8	10.2	0.000026	**0.0261**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2290492	6544	0.3	2290491.894245		ug/L
ê	Tl	205	19	32	7	21.9	0.000005	**-0.0031**	ug/L
ê	Pb	208	233	8168	126	1.5	0.003454	**1.5693**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	158383	1747	1.1	116685.444886		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	126.665
⎢	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	112.198
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	109.290
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	110.121
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-07RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 06:11:12
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 351

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408011-07RE1.241
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	2	65.5	-0.000002	**-0.0203**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	85883117	958129	1.1	56.096175	**25190.8346**	ug/L
ê	Mg	24	1090	4407137	43736	1.0	2.878479	**1973.4276**	ug/L
ê	Al	27	4370	104025	894	0.9	0.064274	**31.4526**	ug/L
ê	K	39	864283	89538770	1069039	1.2	57.769320	**23482.4488**	ug/L
ê	Ca	44	5853	968666	6891	0.7	0.627956	**9860.8013**	ug/L
ê>	Sc	45	1185061	1530636	10803	0.7	1530636.101419		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	60927	1079	1.8	0.028193	**17.6875**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	19495	352	1.8	0.012071	**5.6796**	ug/L
ê	Fe	54	152621	483049	13528	2.8	0.186777	**1697.9535**	ug/L
ê	Fe	57	11821	108368	4818	4.4	0.060819	**1404.8681**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	1138	32	2.8	0.000735	**1.7487**	ug/L
ë	Ni	62	142	392	16	4.1	0.000136	**2.2721**	ug/L
é	Cu	65	19	14038	146	1.0	0.009762	**23.7803**	ug/L
ê	Cu	63	40	30204	424	1.4	0.021006	**24.1852**	ug/L
ê	Zn	66	62	113091	267	0.2	0.078724	**441.3877**	ug/L
ê	Zn	68	723	79563	1254	1.6	0.054828	**434.4393**	ug/L
ê>	Ge	74	1217221	1435654	5912	0.4	1435653.523682		ug/L
ë	As	75	-151	645	89	13.9	0.000573	**2.6236**	ug/L
é	Se	77	135	380	37	9.7	0.000086	**12.4325**	ug/L
ê	Se	82	30	[349]	[14]	[4.0]	[0.000117]	**[11.2673]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	452	15	3.4	0.000161	**0.4518**	ug/L
ê	Ag	107	5	458	26	5.7	0.000168	**0.2010**	ug/L
ê	Ag	109	9	455	32	7.0	0.000165	**0.1836**	ug/L
ê	Cd	111	5	32	1	1.8	0.000010	**0.0449**	ug/L
ê	Cd	114	41	105	4	3.5	0.000022	**0.0467**	ug/L
ê>	In	115	2433207	2694317	14121	0.5	2694317.231296		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	17	4	24.2	0.000003	**-0.0124**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2302111	3651	0.2	2302110.818964		ug/L
ê	Tl	205	19	100	16	16.1	0.000034	**0.0150**	ug/L
ê	Pb	208	233	1628	21	1.3	0.000595	**0.2488**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	332765	4363	1.3	291067.008911		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	129.161
⎢	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	117.945
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	110.731
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	110.680
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-08RE1
Sample Description: 10x
Batch ID: B140398

Sample Date/Time: Tuesday, March 18, 2014 06:14:39
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 1
Autosampler Position: 352

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\1408011-08RE1.242
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	8	2	27.7	0.000002	**0.0068**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	104909315	1934618	1.8	72.119822	**32387.2729**	ug/L
ê	Mg	24	1090	18058362	285651	1.6	12.415691	**8512.0233**	ug/L
ê	Al	27	4370	209393	1607	0.8	0.140274	**69.5486**	ug/L
ê	K	39	864283	57891290	853490	1.5	39.068583	**15878.1826**	ug/L
ê	Ca	44	5853	51760528	146840	0.3	35.581989	**558882.8285**	ug/L
ê>	Sc	45	1185061	1454582	13025	0.9	1454581.936445		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	115115	1445	1.3	0.067527	**42.4142**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	242359	1851	0.8	0.165959	**78.1530**	ug/L
ê	Fe	54	152621	325255	2253	0.7	0.094824	**864.3372**	ug/L
ê	Fe	57	11821	15113	2235	14.8	0.000411	**11.6991**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	-9739	60	0.6	-0.006704	**-16.8865**	ug/L
ë	Ni	62	142	302	11	3.8	0.000088	**1.4760**	ug/L
é	Cu	65	19	2514	34	1.4	0.001910	**4.5936**	ug/L
ê	Cu	63	40	6024	165	2.7	0.004582	**5.1464**	ug/L
ê	Zn	66	62	176644	360	0.2	0.135178	**758.7356**	ug/L
ê	Zn	68	723	122324	2709	2.2	0.093017	**737.9672**	ug/L
ê>	Ge	74	1217221	1306946	37176	2.8	1306946.275413		ug/L
ë	As	75	-151	146	23	15.5	0.000236	**1.0059**	ug/L
é	Se	77	135	279	15	5.4	0.000052	**7.5200**	ug/L
ê	Se	82	30	[255]	[16]	[6.2]	[0.000085]	**[8.1622]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	243	2	0.8	0.000086	**0.2393**	ug/L
ê	Ag	107	5	34	7	19.8	0.000011	**-0.0063**	ug/L
ê	Ag	109	9	34	9	25.1	0.000009	**-0.0012**	ug/L
ê	Cd	111	5	41	5	11.2	0.000014	**0.0651**	ug/L
ê	Cd	114	41	117	16	13.5	0.000028	**0.0595**	ug/L
ê>	In	115	2433207	2607951	26905	1.0	2607950.666433		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	41	8	19.9	0.000013	**0.0037**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2239641	21789	1.0	2239640.773702		ug/L
ê	Tl	205	19	29	9	31.3	0.000004	**-0.0038**	ug/L
ê	Pb	208	233	25896	522	2.0	0.011452	**5.2635**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	201194	3272	1.6	159495.998572		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	122.743
⎢	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	107.371
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	107.182
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	107.677
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 18, 2014 06:18:06
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCVD.243
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	6749	129	1.9	0.004888	**3.1520**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	9671732	122674	1.3	6.996086	**313.9314**	ug/L
ê	Mg	24	1090	6332645	67867	1.1	4.589585	**314.6541**	ug/L
ê	Al	27	4370	887225	6376	0.7	0.639462	**31.9773**	ug/L
ê	K	39	864283	11412834	150636	1.3	7.545276	**305.9885**	ug/L
ê	Ca	44	5853	549817	144	0.0	0.393659	**618.0711**	ug/L
ê>	Sc	45	1185061	1379712	26436	1.9	1379712.185256		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	85704	2239	2.6	0.050527	**3.1727**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	38154	532	1.4	0.026992	**1.2707**	ug/L
ê	Fe	54	152621	352861	10312	2.9	0.126932	**115.5414**	ug/L
ê	Fe	57	11821	78805	743	0.9	0.047149	**108.9594**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	23170	314	1.4	0.016791	**4.1972**	ug/L
ë	Ni	62	142	3639	141	3.9	0.002517	**4.1803**	ug/L
é	Cu	65	19	14406	167	1.2	0.010770	**2.6241**	ug/L
ê	Cu	63	40	30551	229	0.7	0.022842	**2.6313**	ug/L
ê	Zn	66	62	10149	178	1.8	0.007546	**4.1278**	ug/L
ê	Zn	68	723	7925	140	1.8	0.005338	**4.1089**	ug/L
ê>	Ge	74	1217221	1336191	38103	2.9	1336190.926907		ug/L
ë	As	75	-151	15088	560	3.7	0.011417	**5.4591**	ug/L
é	Se	77	135	1935	67	3.4	0.000665	**9.6109**	ug/L
ê	Se	82	30	[2784]	[45]	[1.6]	[0.001023]	**[9.9632]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	5851	137	2.3	0.002170	**0.6170**	ug/L
ê	Ag	107	5	8372	129	1.5	0.003113	**0.4084**	ug/L
ê	Ag	109	9	9175	91	1.0	0.003411	**0.4031**	ug/L
ê	Cd	111	5	1998	20	1.0	0.000741	**0.3771**	ug/L
ê	Cd	114	41	4543	73	1.6	0.001674	**0.3689**	ug/L
ê>	In	115	2433207	2687364	978	0.0	2687363.542594		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	5859	81	1.4	0.002177	**0.3705**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2236028	13830	0.6	2236028.419559		ug/L
ê	Tl	205	19	7607	84	1.1	0.003393	**0.2079**	ug/L
ê	Pb	208	233	25229	62	0.2	0.011171	**0.5134**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	52491	2273	4.3	10793.611650		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	116.425
⎢	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	109.774
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	110.445
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	107.503
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 18, 2014 06:21:34
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCBD.244
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	2	62.4	-0.000002	**-0.0014**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	35095	866	2.5	0.010226	**0.1869**	ug/L
ê	Mg	24	1090	1937	337	17.4	0.000487	**0.0312**	ug/L
ê	Al	27	4370	6456	173	2.7	0.001003	**-0.0263**	ug/L
ê	K	39	864283	911337	9168	1.0	-0.067098	**-3.5529**	ug/L
ê	Ca	44	5853	7493	283	3.8	0.000506	**0.5470**	ug/L
ê>	Sc	45	1185061	1376226	15244	1.1	1376225.990979		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	17618	424	2.4	0.001190	**0.0713**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1093	35	3.2	0.000128	**0.0055**	ug/L
ê	Fe	54	152621	193232	2365	1.2	0.011633	**11.0144**	ug/L
ê	Fe	57	11821	15502	256	1.7	0.001288	**3.1918**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	21	7	32.0	0.000007	**-0.0075**	ug/L
ë	Ni	62	142	170	17	9.9	0.000003	**0.0072**	ug/L
é	Cu	65	19	46	11	24.7	0.000019	**-0.0027**	ug/L
ê	Cu	63	40	79	7	9.4	0.000026	**-0.0134**	ug/L
ê	Zn	66	62	189	10	5.5	0.000090	**-0.0635**	ug/L
ê	Zn	68	723	971	60	6.2	0.000132	**-0.0294**	ug/L
ê>	Ge	74	1217221	1339824	14968	1.1	1339823.678539		ug/L
ë	As	75	-151	-228	49	21.7	-0.000046	**-0.0342**	ug/L
é	Se	77	135	159	6	3.7	0.000005	**0.0729**	ug/L
ê	Se	82	30	[77]	[10]	[13.1]	[0.000016]	**[0.1459]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	17	5	27.1	-0.000001	**-0.0008**	ug/L
ê	Ag	107	5	6	4	65.7	0.000000	**-0.0020**	ug/L
ê	Ag	109	9	4	4	90.1	-0.000002	**-0.0015**	ug/L
ê	Cd	111	5	4	2	43.3	-0.000001	**-0.0007**	ug/L
ê	Cd	114	41	43	2	4.0	-0.000001	**-0.0004**	ug/L
ê>	In	115	2433207	2650154	18981	0.7	2650154.376243		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	36	4	10.0	0.000011	**0.0000**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2214993	17586	0.8	2214993.316768		ug/L
ê	Tl	205	19	5	2	39.0	-0.000007	**-0.0010**	ug/L
ê	Pb	208	233	280	23	8.3	0.000014	**-0.0019**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	50521	375	0.7	8823.076216		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	116.131
|	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	110.072
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	108.916
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	106.492
|	Tl	205	
|	Pb	208	
|	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, March 18, 2014 06:52:40
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCVE.253
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	6521	184	2.8	0.004613	**2.9748**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	9481366	90535	1.0	6.698475	**300.5653**	ug/L
ê	Mg	24	1090	6287088	144365	2.3	4.451691	**305.2003**	ug/L
ê	Al	27	4370	865539	11646	1.3	0.609226	**30.4617**	ug/L
ê	K	39	864283	11343051	43370	0.4	7.302144	**296.1020**	ug/L
ê	Ca	44	5853	553137	4455	0.8	0.386729	**607.1859**	ug/L
ê>	Sc	45	1185061	1412715	26113	1.8	1412714.707636		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	85639	1976	2.3	0.049006	**3.0771**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	38243	428	1.1	0.026414	**1.2435**	ug/L
ê	Fe	54	152621	353041	2187	0.6	0.121169	**110.3170**	ug/L
ê	Fe	57	11821	78863	1573	2.0	0.045875	**106.0211**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	23057	420	1.8	0.016314	**4.0776**	ug/L
ë	Ni	62	142	3735	33	0.9	0.002524	**4.1918**	ug/L
é	Cu	65	19	14628	229	1.6	0.010713	**2.6104**	ug/L
ê	Cu	63	40	30815	499	1.6	0.022571	**2.5999**	ug/L
ê	Zn	66	62	10440	182	1.7	0.007606	**4.1612**	ug/L
ê	Zn	68	723	8031	186	2.3	0.005296	**4.0748**	ug/L
ê>	Ge	74	1217221	1363564	19789	1.5	1363564.467825		ug/L
ë	As	75	-151	15106	312	2.1	0.011202	**5.3559**	ug/L
é	Se	77	135	2041	44	2.2	0.000715	**10.3397**	ug/L
ê	Se	82	30	[2816]	[83]	[2.9]	[0.001051]	**[10.2281]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	5869	110	1.9	0.002208	**0.6280**	ug/L
ê	Ag	107	5	8369	191	2.3	0.003157	**0.4142**	ug/L
ê	Ag	109	9	9319	107	1.1	0.003514	**0.4154**	ug/L
ê	Cd	111	5	2051	50	2.4	0.000772	**0.3928**	ug/L
ê	Cd	114	41	4678	55	1.2	0.001749	**0.3855**	ug/L
ê>	In	115	2433207	2649304	20013	0.8	2649304.318810		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	5902	9	0.2	0.002225	**0.3786**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2258639	28368	1.3	2258638.523792		ug/L
ê	Tl	205	19	7456	58	0.8	0.003293	**0.2017**	ug/L
ê	Pb	208	233	25330	418	1.6	0.011103	**0.5102**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	48628	662	1.4	6929.863702		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	119.210
⎢	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	112.023
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	108.881
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	108.590
⎢	Tl	205	
⎢	Pb	208	
⎢	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, March 18, 2014 06:56:07
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCBE.254
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	3	1	33.3	-0.000002	**-0.0016**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	32696	1344	4.1	0.007756	**0.0760**	ug/L
ê	Mg	24	1090	2034	705	34.7	0.000511	**0.0328**	ug/L
ê	Al	27	4370	6215	95	1.5	0.000693	**-0.0418**	ug/L
ê	K	39	864283	895735	5528	0.6	-0.098096	**-4.8133**	ug/L
ê	Ca	44	5853	6729	78	1.2	-0.000197	**-0.5578**	ug/L
ê>	Sc	45	1185061	1419197	14495	1.0	1419196.518805		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	17662	298	1.7	0.000836	**0.0490**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1088	33	3.0	0.000101	**0.0042**	ug/L
ê	Fe	54	152621	198821	138	0.1	0.011317	**10.7277**	ug/L
ê	Fe	57	11821	14699	264	1.8	0.000384	**1.1069**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	17	3	15.9	0.000004	**-0.0082**	ug/L
ë	Ni	62	142	175	2	1.2	0.000003	**0.0068**	ug/L
é	Cu	65	19	44	5	11.1	0.000017	**-0.0030**	ug/L
ê	Cu	63	40	82	9	11.0	0.000029	**-0.0132**	ug/L
ê	Zn	66	62	168	14	8.3	0.000074	**-0.0727**	ug/L
ê	Zn	68	723	999	22	2.2	0.000147	**-0.0176**	ug/L
ê>	Ge	74	1217221	1349466	21941	1.6	1349466.231481		ug/L
ë	As	75	-151	-258	22	8.4	-0.000068	**-0.0447**	ug/L
é	Se	77	135	154	12	7.9	0.000003	**0.0416**	ug/L
ê	Se	82	30	[59]	[13]	[22.2]	[0.000010]	**[0.0792]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	18	7	40.2	-0.000001	**-0.0007**	ug/L
ê	Ag	107	5	10	4	36.1	0.000002	**-0.0018**	ug/L
ê	Ag	109	9	5	3	57.3	-0.000002	**-0.0014**	ug/L
ê	Cd	111	5	2	2	65.5	-0.000001	**-0.0010**	ug/L
ê	Cd	114	41	34	11	31.9	-0.000004	**-0.0010**	ug/L
ê>	In	115	2433207	2657013	2439	0.1	2657013.208750		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	40	4	10.0	0.000012	**0.0003**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2217136	25255	1.1	2217135.920161		ug/L
ê	Tl	205	19	7	1	15.7	-0.000006	**-0.0010**	ug/L
ê	Pb	208	233	275	16	5.7	0.000012	**-0.0020**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	48452	759	1.6	6754.271814		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	119.757
|	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	110.865
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	109.198
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	106.595
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	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: Tuesday, March 18, 2014 07:23:48
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCVF.262
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	6439	37	0.6	0.004664	**3.0073**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	9417350	35485	0.4	6.810758	**305.6081**	ug/L
ê	Mg	24	1090	6284554	52602	0.8	4.554234	**312.2305**	ug/L
ê	Al	27	4370	859381	8149	0.9	0.619209	**30.9621**	ug/L
ê	K	39	864283	11276783	46931	0.4	7.444715	**301.8994**	ug/L
ê	Ca	44	5853	537391	6937	1.3	0.384614	**603.8644**	ug/L
ê>	Sc	45	1185061	1379664	12249	0.9	1379664.077998		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	84105	1574	1.9	0.049356	**3.0991**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	37734	538	1.4	0.026684	**1.2562**	ug/L
ê	Fe	54	152621	352771	5747	1.6	0.126911	**115.5227**	ug/L
ê	Fe	57	11821	76945	841	1.1	0.045801	**105.8509**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	23304	162	0.7	0.016884	**4.2203**	ug/L
ë	Ni	62	142	3649	87	2.4	0.002525	**4.1928**	ug/L
é	Cu	65	19	14421	220	1.5	0.010595	**2.5816**	ug/L
ê	Cu	63	40	30647	427	1.4	0.022516	**2.5936**	ug/L
ê	Zn	66	62	10394	69	0.7	0.007597	**4.1562**	ug/L
ê	Zn	68	723	7897	87	1.1	0.005217	**4.0122**	ug/L
ê>	Ge	74	1217221	1359141	10630	0.8	1359140.933887		ug/L
ë	As	75	-151	15447	328	2.1	0.011489	**5.4935**	ug/L
é	Se	77	135	1974	29	1.5	0.000686	**9.9187**	ug/L
ê	Se	82	30	[2790]	[43]	[1.6]	[0.001035]	**[10.0796]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	5833	29	0.5	0.002183	**0.6208**	ug/L
ê	Ag	107	5	8243	112	1.4	0.003094	**0.4058**	ug/L
ê	Ag	109	9	9148	65	0.7	0.003432	**0.4056**	ug/L
ê	Cd	111	5	1988	79	4.0	0.000744	**0.3786**	ug/L
ê	Cd	114	41	4626	72	1.6	0.001720	**0.3791**	ug/L
ê>	In	115	2433207	2663102	23911	0.9	2663102.246758		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	5948	148	2.5	0.002230	**0.3796**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2250064	16481	0.7	2250064.351264		ug/L
ê	Tl	205	19	7460	139	1.9	0.003307	**0.2026**	ug/L
ê	Pb	208	233	25190	187	0.7	0.011083	**0.5093**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	47887	302	0.6	6189.026090		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	116.421
|	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	111.659
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	109.448
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	108.178
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	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: Tuesday, March 18, 2014 07:27:16
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCBF.263
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	4	3	68.6	-0.000001	**-0.0013**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	32807	2307	7.0	0.008438	**0.1066**	ug/L
ê	Mg	24	1090	2552	1618	63.4	0.000929	**0.0615**	ug/L
ê	Al	27	4370	6285	295	4.7	0.000856	**-0.0337**	ug/L
ê	K	39	864283	887829	2863	0.3	-0.087717	**-4.3913**	ug/L
ê	Ca	44	5853	6666	83	1.2	-0.000121	**-0.4384**	ug/L
ê>	Sc	45	1185061	1384117	24850	1.8	1384117.286611		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	17988	134	0.7	0.001390	**0.0838**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1086	6	0.6	0.000119	**0.0051**	ug/L
ê	Fe	54	152621	197289	1187	0.6	0.013791	**12.9709**	ug/L
ê	Fe	57	11821	14699	531	3.6	0.000648	**1.7156**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	24	6	25.0	0.000009	**-0.0069**	ug/L
ë	Ni	62	142	174	11	6.4	0.000006	**0.0111**	ug/L
é	Cu	65	19	39	5	12.8	0.000013	**-0.0040**	ug/L
ê	Cu	63	40	84	13	16.0	0.000030	**-0.0130**	ug/L
ê	Zn	66	62	179	13	7.4	0.000082	**-0.0683**	ug/L
ê	Zn	68	723	1030	20	2.0	0.000169	**0.0004**	ug/L
ê>	Ge	74	1217221	1350829	26366	2.0	1350829.130773		ug/L
ë	As	75	-151	-241	56	23.1	-0.000055	**-0.0385**	ug/L
é	Se	77	135	157	15	9.5	0.000004	**0.0581**	ug/L
ê	Se	82	30	[68]	[8]	[11.2]	[0.000013]	**[0.1146]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	22	2	8.4	0.000001	**-0.0002**	ug/L
ê	Ag	107	5	9	2	19.2	0.000001	**-0.0019**	ug/L
ê	Ag	109	9	7	4	51.6	-0.000001	**-0.0013**	ug/L
ê	Cd	111	5	4	2	48.0	-0.000000	**-0.0007**	ug/L
ê	Cd	114	41	41	6	13.5	-0.000001	**-0.0005**	ug/L
ê>	In	115	2433207	2657484	19731	0.7	2657483.841406		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	43	3	6.8	0.000013	**0.0004**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2232980	40391	1.8	2232979.908415		ug/L
ê	Tl	205	19	6	2	36.7	-0.000006	**-0.0010**	ug/L
ê	Pb	208	233	275	20	7.3	0.000011	**-0.0021**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	48582	800	1.6	6884.715166		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	116.797
⎢	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	110.976
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	109.217
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	107.356
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	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: Tuesday, March 18, 2014 08:01:53
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCVG.273
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	5922	48	0.8	0.004180	**2.6951**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	9011876	519498	5.8	6.350269	**284.9269**	ug/L
ê	Mg	24	1090	5797127	52997	0.9	4.094520	**280.7131**	ug/L
ê	Al	27	4370	822175	3172	0.4	0.577155	**28.8541**	ug/L
ê	K	39	864283	11117710	43933	0.4	7.125285	**288.9105**	ug/L
ê	Ca	44	5853	554038	2177	0.4	0.386473	**606.7843**	ug/L
ê>	Sc	45	1185061	1415530	11515	0.8	1415530.253591		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	87321	993	1.1	0.050077	**3.1445**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	38145	636	1.7	0.026280	**1.2371**	ug/L
ê	Fe	54	152621	359155	6508	1.8	0.124928	**113.7251**	ug/L
ê	Fe	57	11821	77742	652	0.8	0.044946	**103.8800**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	22986	507	2.2	0.016232	**4.0572**	ug/L
ë	Ni	62	142	3563	150	4.2	0.002398	**3.9825**	ug/L
é	Cu	65	19	14080	77	0.5	0.010519	**2.5630**	ug/L
ê	Cu	63	40	29416	424	1.4	0.021978	**2.5312**	ug/L
ê	Zn	66	62	9908	137	1.4	0.007363	**4.0246**	ug/L
ê	Zn	68	723	7729	41	0.5	0.005190	**3.9906**	ug/L
ê>	Ge	74	1217221	1336524	7700	0.6	1336523.643797		ug/L
ë	As	75	-151	15373	477	3.1	0.011625	**5.5589**	ug/L
é	Se	77	135	2040	31	1.5	0.000783	**11.3212**	ug/L
ê	Se	82	30	[2907]	[60]	[2.1]	[0.001182]	**[11.5119]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	6488	226	3.5	0.002658	**0.7560**	ug/L
ê	Ag	107	5	8229	246	3.0	0.003379	**0.4435**	ug/L
ê	Ag	109	9	8476	112	1.3	0.003479	**0.4113**	ug/L
ê	Cd	111	5	1875	78	4.1	0.000769	**0.3910**	ug/L
ê	Cd	114	41	4211	57	1.4	0.001714	**0.3777**	ug/L
ê>	In	115	2433207	2433645	22651	0.9	2433645.112873		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	5219	99	1.9	0.002141	**0.3644**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2047954	63034	3.1	2047953.964034		ug/L
ê	Tl	205	19	7171	101	1.4	0.003494	**0.2140**	ug/L
ê	Pb	208	233	24064	334	1.4	0.011642	**0.5351**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	45014	191	0.4	3316.373703		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	119.448
|	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	109.801
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	100.018
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	98.461
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	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: Tuesday, March 18, 2014 08:05:20
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCBG.274
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	1	50.0	-0.000003	**-0.0021**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	59753	3127	5.2	0.027542	**0.9646**	ug/L
ê	Mg	24	1090	1702	121	7.1	0.000299	**0.0183**	ug/L
ê	Al	27	4370	4468	161	3.6	-0.000485	**-0.1009**	ug/L
ê	K	39	864283	833768	10912	1.3	-0.131722	**-6.1806**	ug/L
ê	Ca	44	5853	5647	25	0.4	-0.000891	**-1.6481**	ug/L
ê>	Sc	45	1185061	1395225	9032	0.6	1395224.945260		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	18213	311	1.7	0.001443	**0.0872**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1075	31	2.8	0.000104	**0.0044**	ug/L
ê	Fe	54	152621	195880	4137	2.1	0.011617	**10.9997**	ug/L
ê	Fe	57	11821	15402	391	2.5	0.001064	**2.6743**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	15	5	30.4	0.000002	**-0.0086**	ug/L
ë	Ni	62	142	146	3	2.1	-0.000016	**-0.0242**	ug/L
é	Cu	65	19	77	14	18.0	0.000042	**0.0031**	ug/L
ê	Cu	63	40	73	6	8.8	0.000022	**-0.0139**	ug/L
ê	Zn	66	62	154	7	4.3	0.000065	**-0.0779**	ug/L
ê	Zn	68	723	964	40	4.1	0.000130	**-0.0307**	ug/L
ê>	Ge	74	1217221	1332464	18816	1.4	1332464.095220		ug/L
ë	As	75	-151	-232	60	25.9	-0.000050	**-0.0364**	ug/L
é	Se	77	135	177	21	11.8	0.000018	**0.2622**	ug/L
ê	Se	82	30	[66]	[3]	[4.0]	[0.000015]	**[0.1299]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	86	15	17.6	0.000028	**0.0076**	ug/L
ê	Ag	107	5	7	1	7.9	0.000001	**-0.0019**	ug/L
ê	Ag	109	9	5	3	69.3	-0.000002	**-0.0014**	ug/L
ê	Cd	111	5	4	1	15.7	-0.000001	**-0.0007**	ug/L
ê	Cd	114	41	41	4	9.0	0.000000	**-0.0001**	ug/L
ê>	In	115	2433207	2418669	32250	1.3	2418668.779128		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	30	4	14.5	0.000009	**-0.0002**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2074642	16560	0.8	2074641.517621		ug/L
ê	Tl	205	19	7	3	45.8	-0.000006	**-0.0010**	ug/L
ê	Pb	208	233	253	5	2.1	0.000010	**-0.0021**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	45074	465	1.0	3376.567232		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	117.734
⎢	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	109.468
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	99.402
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	99.744
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVH

Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 18, 2014 08:43:21
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCVH.285
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	6147	320	5.2	0.004342	**2.8000**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	8840128	442213	5.0	6.234240	**279.7159**	ug/L
ê	Mg	24	1090	5882614	393484	6.7	4.165060	**285.5492**	ug/L
ê	Al	27	4370	819310	63163	7.7	0.577146	**28.8536**	ug/L
ê	K	39	864283	11127624	536484	4.8	7.135248	**289.3156**	ug/L
ê	Ca	44	5853	568236	40866	7.2	0.397676	**624.3809**	ug/L
ê>	Sc	45	1185061	1447501	245931	17.0	1447501.209035		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	87933	4101	4.7	0.050524	**3.1726**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	39595	2940	7.4	0.027396	**1.2897**	ug/L
ê	Fe	54	152621	365592	14721	4.0	0.129388	**117.7680**	ug/L
ê	Fe	57	11821	78376	5141	6.6	0.045522	**105.2072**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	23396	1949	8.3	0.016586	**4.1458**	ug/L
ë	Ni	62	142	3690	330	8.9	0.002497	**4.1471**	ug/L
é	Cu	65	19	14391	1061	7.4	0.010631	**2.5903**	ug/L
ê	Cu	63	40	30883	2654	8.6	0.022833	**2.6303**	ug/L
ê	Zn	66	62	10189	820	8.1	0.007488	**4.0950**	ug/L
ê	Zn	68	723	8122	412	5.1	0.005403	**4.1599**	ug/L
ê>	Ge	74	1217221	1379196	202323	14.7	1379195.910436		ug/L
ë	As	75	-151	15922	1330	8.4	0.011914	**5.6972**	ug/L
é	Se	77	135	2133	126	5.9	0.000795	**11.4898**	ug/L
ê	Se	82	30	[3024]	[209]	[6.9]	[0.001196]	**[11.6449]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	6292	341	5.4	0.002502	**0.7117**	ug/L
ê	Ag	107	5	8681	476	5.5	0.003460	**0.4541**	ug/L
ê	Ag	109	9	8933	589	6.6	0.003563	**0.4212**	ug/L
ê	Cd	111	5	1909	112	5.9	0.000760	**0.3865**	ug/L
ê	Cd	114	41	4539	267	5.9	0.001795	**0.3955**	ug/L
ê>	In	115	2433207	2569023	448437	17.5	2569023.143640		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	5622	267	4.7	0.002238	**0.3809**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2126895	414591	19.5	2126894.642305		ug/L
ê	Tl	205	19	7107	344	4.8	0.003430	**0.2101**	ug/L
ê	Pb	208	233	24087	1226	5.1	0.011547	**0.5307**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	46158	715	1.5	4460.025427		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	122.146
⎢	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	113.307
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	105.582
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	102.256
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBH
Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 18, 2014 08:46:49
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCBH.286
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	2	1	49.5	-0.000002	**-0.0019**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	28036	1523	5.4	0.004840	**-0.0550**	ug/L
ê	Mg	24	1090	1454	229	15.7	0.000107	**0.0051**	ug/L
ê	Al	27	4370	4452	808	18.2	-0.000557	**-0.1045**	ug/L
ê	K	39	864283	810483	3970	0.5	-0.142484	**-6.6183**	ug/L
ê	Ca	44	5853	5567	53	1.0	-0.000916	**-1.6874**	ug/L
ê>	Sc	45	1185061	1434023	333743	23.3	1434022.829394		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	18356	751	4.1	0.001755	**0.1068**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1024	43	4.2	0.000079	**0.0032**	ug/L
ê	Fe	54	152621	197932	2297	1.2	0.014630	**13.7317**	ug/L
ê	Fe	57	11821	14005	347	2.5	0.000197	**0.6765**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	11	2	19.1	-0.000001	**-0.0094**	ug/L
ë	Ni	62	142	138	14	10.0	-0.000022	**-0.0343**	ug/L
é	Cu	65	19	43	8	17.6	0.000018	**-0.0030**	ug/L
ê	Cu	63	40	58	6	9.6	0.000011	**-0.0152**	ug/L
ê	Zn	66	62	120	20	16.7	0.000039	**-0.0924**	ug/L
ê	Zn	68	723	999	6	0.6	0.000167	**-0.0010**	ug/L
ê>	Ge	74	1217221	1361688	318673	23.4	1361688.337431		ug/L
ë	As	75	-151	-213	15	7.2	-0.000040	**-0.0313**	ug/L
é	Se	77	135	150	6	4.2	0.000007	**0.1117**	ug/L
ê	Se	82	30	[67]	[8]	[12.5]	[0.000016]	**[0.1423]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	20	3	15.5	0.000001	**-0.0002**	ug/L
ê	Ag	107	5	11	6	53.3	0.000002	**-0.0018**	ug/L
ê	Ag	109	9	5	3	54.1	-0.000002	**-0.0014**	ug/L
ê	Cd	111	5	5	4	81.1	0.000000	**-0.0004**	ug/L
ê	Cd	114	41	35	11	31.2	-0.000003	**-0.0009**	ug/L
ê>	In	115	2433207	2523637	659418	26.1	2523637.147306		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	29	5	17.2	0.000009	**-0.0003**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	2137442	562112	26.3	2137442.346268		ug/L
ê	Tl	205	19	4	3	68.6	-0.000007	**-0.0011**	ug/L
ê	Pb	208	233	257	43	16.9	0.000011	**-0.0021**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	46039	999	2.2	4341.321253		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	121.008
|	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	111.869
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	103.716
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	102.763
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVI
Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 18, 2014 09:17:55
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCVI.295
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	6108	231	3.8	0.005932	**3.8252**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	8577323	178433	2.1	8.308249	**372.8624**	ug/L
ê	Mg	24	1090	5752028	189844	3.3	5.587725	**383.0854**	ug/L
ê	Al	27	4370	804895	25879	3.2	0.778332	**38.9383**	ug/L
ê	K	39	864283	10680000	375309	3.5	9.649749	**391.5625**	ug/L
ê	Ca	44	5853	535777	24642	4.6	0.516112	**810.4082**	ug/L
ê>	Sc	45	1185061	1043359	138533	13.3	1043358.968643		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	83641	4137	4.9	0.069731	**4.3800**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	37542	957	2.5	0.035763	**1.6837**	ug/L
ê	Fe	54	152621	341239	6663	2.0	0.202322	**183.8884**	ug/L
ê	Fe	57	11821	75123	3123	4.2	0.063049	**145.6302**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	22713	1265	5.6	0.022093	**5.5254**	ug/L
ë	Ni	62	142	3499	38	1.1	0.003273	**5.4352**	ug/L
é	Cu	65	19	14000	480	3.4	0.014147	**3.4495**	ug/L
ê	Cu	63	40	29564	846	2.9	0.029857	**3.4445**	ug/L
ê	Zn	66	62	10129	317	3.1	0.010194	**5.6163**	ug/L
ê	Zn	68	723	7973	233	2.9	0.007466	**5.7997**	ug/L
ê>	Ge	74	1217221	1002402	133709	13.3	1002401.599110		ug/L
ë	As	75	-151	15720	740	4.7	0.016039	**7.6744**	ug/L
é	Se	77	135	1934	38	2.0	0.000990	**14.3161**	ug/L
ê	Se	82	30	[2815]	[136]	[4.8]	[0.001514]	**[14.7465]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	5844	291	5.0	0.003169	**0.9013**	ug/L
ê	Ag	107	5	8269	217	2.6	0.004475	**0.5879**	ug/L
ê	Ag	109	9	8994	182	2.0	0.004868	**0.5760**	ug/L
ê	Cd	111	5	1912	37	1.9	0.001033	**0.5258**	ug/L
ê	Cd	114	41	4474	94	2.1	0.002408	**0.5307**	ug/L
ê>	In	115	2433207	1884582	329807	17.5	1884582.405860		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	5786	134	2.3	0.003133	**0.5340**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	1595833	250885	15.7	1595833.273268		ug/L
ê	Tl	205	19	7230	102	1.4	0.004596	**0.2818**	ug/L
ê	Pb	208	233	24054	689	2.9	0.015235	**0.7011**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	46236	561	1.2	4538.607707		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	88.043
⎢	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	82.352
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	77.453
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	76.724
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBI
Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 18, 2014 09:21:22
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCBI.296
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	1	1	86.6	-0.000003	**-0.0026**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	22803	1381	6.1	0.005807	**-0.0116**	ug/L
ê	Mg	24	1090	1225	121	9.9	0.000210	**0.0122**	ug/L
ê	Al	27	4370	4419	1173	26.5	0.000341	**-0.0595**	ug/L
ê	K	39	864283	793971	7898	1.0	0.007415	**-0.5230**	ug/L
ê	Ca	44	5853	5420	116	2.1	0.000087	**-0.1122**	ug/L
ê>	Sc	45	1185061	1085157	119094	11.0	1085156.607667		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	16940	1098	6.5	0.004049	**0.2511**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	999	22	2.2	0.000261	**0.0117**	ug/L
ê	Fe	54	152621	189407	10390	5.5	0.046421	**42.5521**	ug/L
ê	Fe	57	11821	13061	510	3.9	0.002120	**5.1114**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	11	1	4.6	0.000002	**-0.0087**	ug/L
ë	Ni	62	142	92	6	6.6	-0.000035	**-0.0558**	ug/L
é	Cu	65	19	26	1	2.2	0.000010	**-0.0049**	ug/L
ê	Cu	63	40	71	42	59.2	0.000033	**-0.0126**	ug/L
ê	Zn	66	62	95	13	13.5	0.000040	**-0.0917**	ug/L
ê	Zn	68	723	975	26	2.7	0.000344	**0.1392**	ug/L
ê>	Ge	74	1217221	1047713	115685	11.0	1047713.493860		ug/L
ë	As	75	-151	-229	73	31.9	-0.000093	**-0.0569**	ug/L
é	Se	77	135	136	28	20.6	0.000014	**0.2127**	ug/L
ê	Se	82	30	[51]	[6]	[11.9]	[0.000014]	**[0.1188]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	16	3	16.2	0.000001	**-0.0003**	ug/L
ê	Ag	107	5	6	4	66.7	0.000001	**-0.0019**	ug/L
ê	Ag	109	9	5	3	47.2	-0.000001	**-0.0013**	ug/L
ê	Cd	111	5	4	2	50.0	0.000000	**-0.0004**	ug/L
ê	Cd	114	41	32	14	44.5	-0.000001	**-0.0003**	ug/L
ê>	In	115	2433207	1952048	252710	12.9	1952048.027435		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	25	4	17.4	0.000010	**-0.0001**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	1626814	151202	9.3	1626813.568011		ug/L
ê	Tl	205	19	8	2	19.9	-0.000004	**-0.0009**	ug/L
ê	Pb	208	233	193	12	6.2	0.000008	**-0.0023**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	44115	226	0.5	2416.908029		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	91.570
⎢	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	86.074
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	80.225
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	78.213
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVJ
Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 18, 2014 09:52:29
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCVJ.305
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	6268	613	9.8	0.006723	**4.3353**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	8830729	667320	7.6	9.405948	**422.1616**	ug/L
ê	Mg	24	1090	5883085	493094	8.4	6.288109	**431.1028**	ug/L
ê	Al	27	4370	815831	68063	8.3	0.868526	**43.4594**	ug/L
ê	K	39	864283	10908571	671112	6.2	10.866050	**441.0209**	ug/L
ê	Ca	44	5853	565194	48131	8.5	0.599089	**940.7390**	ug/L
ê>	Sc	45	1185061	1105303	562098	50.9	1105302.793150		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	87431	6609	7.6	0.081663	**5.1300**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	39462	3185	8.1	0.041485	**1.9532**	ug/L
ê	Fe	54	152621	355189	21730	6.1	0.248565	**225.8115**	ug/L
ê	Fe	57	11821	77444	6086	7.9	0.072694	**167.8740**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	23729	2110	8.9	0.025398	**6.3533**	ug/L
ë	Ni	62	142	3712	221	5.9	0.003819	**6.3408**	ug/L
é	Cu	65	19	14874	1209	8.1	0.016057	**3.9160**	ug/L
ê	Cu	63	40	30899	2904	9.4	0.033464	**3.8626**	ug/L
ê	Zn	66	62	10390	1011	9.7	0.011222	**6.1939**	ug/L
ê	Zn	68	723	8262	665	8.0	0.008329	**6.4860**	ug/L
ê>	Ge	74	1217221	1082569	527723	48.7	1082568.522877		ug/L
ë	As	75	-151	16109	1504	9.3	0.017584	**8.4147**	ug/L
é	Se	77	135	2086	136	6.5	0.001175	**16.9862**	ug/L
ê	Se	82	30	[2943]	[264]	[9.0]	[0.001735]	**[16.9020]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	6219	507	8.2	0.003677	**1.0458**	ug/L
ê	Ag	107	5	8829	646	7.3	0.005214	**0.6854**	ug/L
ê	Ag	109	9	9295	557	6.0	0.005472	**0.6475**	ug/L
ê	Cd	111	5	2027	180	8.9	0.001198	**0.6096**	ug/L
ê	Cd	114	41	4675	329	7.0	0.002745	**0.6051**	ug/L
ê>	In	115	2433207	2014533	1048841	52.1	2014533.285516		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	5919	413	7.0	0.003493	**0.5956**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	1705920	887747	52.0	1705919.518261		ug/L
ê	Tl	205	19	7372	552	7.5	0.005140	**0.3152**	ug/L
ê	Pb	208	233	24391	1673	6.9	0.016893	**0.7776**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	43827	523	1.2	2129.363527		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	93.270
⎢	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	88.938
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	82.793
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	82.016
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBJ
Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 18, 2014 09:55:57
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCBJ.306
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	4	2	41.7	0.000001	**-0.0001**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	22456	1805	8.0	0.009753	**0.1657**	ug/L
ê	Mg	24	1090	1429	414	29.0	0.000702	**0.0460**	ug/L
ê	Al	27	4370	3633	945	26.0	0.000181	**-0.0675**	ug/L
ê	K	39	864283	799991	3278	0.4	0.176399	**6.3485**	ug/L
ê	Ca	44	5853	5614	63	1.1	0.001406	**1.9595**	ug/L
ê>	Sc	45	1185061	977466	413004	42.3	977465.894353		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	17388	415	2.4	0.008113	**0.5065**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	1038	64	6.1	0.000493	**0.0227**	ug/L
ê	Fe	54	152621	191719	4335	2.3	0.088099	**80.3364**	ug/L
ê	Fe	57	11821	13437	150	1.1	0.005258	**12.3471**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	15	3	23.8	0.000008	**-0.0071**	ug/L
ë	Ni	62	142	91	36	39.7	-0.000026	**-0.0413**	ug/L
é	Cu	65	19	26	4	13.3	0.000014	**-0.0039**	ug/L
ê	Cu	63	40	43	6	14.5	0.000014	**-0.0149**	ug/L
ê	Zn	66	62	79	9	11.5	0.000038	**-0.0931**	ug/L
ê	Zn	68	723	998	47	4.7	0.000507	**0.2692**	ug/L
ê>	Ge	74	1217221	989279	409588	41.4	989278.731286		ug/L
ë	As	75	-151	-311	38	12.2	-0.000223	**-0.1190**	ug/L
é	Se	77	135	157	9	6.0	0.000043	**0.6213**	ug/L
ê	Se	82	30	[47]	[2]	[4.5]	[0.000017]	**[0.1521]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	16	2	13.4	0.000003	**0.0003**	ug/L
ê	Ag	107	5	11	3	22.2	0.000005	**-0.0014**	ug/L
ê	Ag	109	9	5	2	34.6	-0.000000	**-0.0013**	ug/L
ê	Cd	111	5	3	2	45.8	-0.000000	**-0.0005**	ug/L
ê	Cd	114	41	27	11	39.0	-0.000001	**-0.0004**	ug/L
ê>	In	115	2433207	1771078	775605	43.8	1771078.225333		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	28	9	30.4	0.000016	**0.0009**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	1521932	665545	43.7	1521932.031463		ug/L
ê	Tl	205	19	4	2	53.3	-0.000006	**-0.0010**	ug/L
ê	Pb	208	233	179	54	30.3	0.000009	**-0.0022**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	45237	562	1.2	3538.747633		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	82.482
⎢	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	81.274
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	72.788
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	73.171
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVK
Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 18, 2014 10:27:04
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCVK.315
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	5824	155	2.7	0.004755	**3.0658**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	8222255	57278	0.7	6.699858	**300.6274**	ug/L
ê	Mg	24	1090	5547021	126793	2.3	4.531444	**310.6680**	ug/L
ê	Al	27	4370	771595	9206	1.2	0.626552	**31.3302**	ug/L
ê	K	39	864283	10160339	125829	1.2	7.569645	**306.9794**	ug/L
ê	Ca	44	5853	527184	15735	3.0	0.425904	**668.7179**	ug/L
ê>	Sc	45	1185061	1226250	53652	4.4	1226249.845833		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	80813	501	0.6	0.054380	**3.4149**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	35697	449	1.3	0.028489	**1.3412**	ug/L
ê	Fe	54	152621	329525	2706	0.8	0.140330	**127.6879**	ug/L
ê	Fe	57	11821	71433	983	1.4	0.048330	**111.6829**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	21764	310	1.4	0.017758	**4.4392**	ug/L
ë	Ni	62	142	3454	132	3.8	0.002702	**4.4870**	ug/L
é	Cu	65	19	13537	500	3.7	0.011179	**2.7243**	ug/L
ê	Cu	63	40	28929	479	1.7	0.023876	**2.7512**	ug/L
ê	Zn	66	62	9719	118	1.2	0.007981	**4.3720**	ug/L
ê	Zn	68	723	7584	64	0.9	0.005673	**4.3746**	ug/L
ê>	Ge	74	1217221	1212286	55766	4.6	1212286.044188		ug/L
ë	As	75	-151	15297	342	2.2	0.012768	**6.1064**	ug/L
é	Se	77	135	1933	13	0.7	0.000800	**11.5629**	ug/L
ê	Se	82	30	[2812]	[45]	[1.6]	[0.001232]	**[11.9985]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	5763	68	1.2	0.002544	**0.7233**	ug/L
ê	Ag	107	5	8060	90	1.1	0.003564	**0.4679**	ug/L
ê	Ag	109	9	8712	115	1.3	0.003851	**0.4554**	ug/L
ê	Cd	111	5	1881	64	3.4	0.000830	**0.4222**	ug/L
ê	Cd	114	41	4291	180	4.2	0.001884	**0.4152**	ug/L
ê>	In	115	2433207	2262079	86404	3.8	2262079.444001		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	5611	131	2.3	0.002482	**0.4226**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	1858320	89174	4.8	1858320.357875		ug/L
ê	Tl	205	19	6874	126	1.8	0.003698	**0.2266**	ug/L
ê	Pb	208	233	22932	320	1.4	0.012252	**0.5633**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	43488	616	1.4	1789.997898		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	103.476
⎢	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	99.595
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	92.967
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	89.344
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBK
Sample Description:
Batch ID:

Sample Date/Time: Tuesday, March 18, 2014 10:30:31
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\NexIONData\Sample\2014\03-14\1400220.sam
Method File: C:\NexIONData\Method\2014\03-14\1400220-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-CCBK.316
Calibration File: C:\NexIONData\System\2014\03-14\1400220.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400220\SEQ-ICB1.033

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	1112						ug/L
ê	Be	9	5	4	6	152.1	-0.000000	**-0.0008**	ug/L
ê	B	11	429						ug/L
ê	Na	23	18105	23444	2142	9.1	0.004113	**-0.0877**	ug/L
ê	Mg	24	1090	3712	3796	102.3	0.002253	**0.1523**	ug/L
ê	Al	27	4370	4373	597	13.7	-0.000066	**-0.0799**	ug/L
ê	K	39	864283	796543	2523	0.3	-0.072509	**-3.7729**	ug/L
ê	Ca	44	5853	5893	204	3.5	-0.000074	**-0.3641**	ug/L
ê>	Sc	45	1185061	1215532	71561	5.9	1215531.975524		ug/L
ê	Ti	47	38						ug/L
ê	Ti	48	-200						ug/L
ê	V	51	65						ug/L
ê	Cr	52	13759	17245	606	3.5	0.002616	**0.1609**	ug/L
ê	Cr	53	57						ug/L
ê	Mn	55	789	999	38	3.8	0.000159	**0.0070**	ug/L
ê	Fe	54	152621	184059	1048	0.6	0.022962	**21.2850**	ug/L
ê	Fe	57	11821	12851	121	0.9	0.000626	**1.6641**	ug/L
ê	Co	59	58						ug/L
ê	Ni	60	10	27	18	67.6	0.000014	**-0.0057**	ug/L
ë	Ni	62	142	106	6	5.7	-0.000033	**-0.0526**	ug/L
é	Cu	65	19	35	9	24.1	0.000014	**-0.0039**	ug/L
ê	Cu	63	40	61	32	52.5	0.000018	**-0.0143**	ug/L
ê	Zn	66	62	96	3	3.1	0.000028	**-0.0984**	ug/L
ê	Zn	68	723	977	40	4.1	0.000210	**0.0329**	ug/L
ê>	Ge	74	1217221	1219085	64113	5.3	1219084.634139		ug/L
ë	As	75	-151	-238	68	28.6	-0.000073	**-0.0473**	ug/L
é	Se	77	135	140	22	15.4	0.000007	**0.1049**	ug/L
ê	Se	82	30	[50]	[3]	[6.0]	[0.000010]	**[0.0802]**	ug/L
ê	Sr	88	152						ug/L
ê	Mo	98	17	20	3	16.9	0.000002	**-0.0001**	ug/L
ê	Ag	107	5	11	2	21.7	0.000003	**-0.0017**	ug/L
ê	Ag	109	9	5	2	34.6	-0.000001	**-0.0014**	ug/L
ê	Cd	111	5	4	2	56.8	-0.000000	**-0.0007**	ug/L
ê	Cd	114	41	29	4	13.8	-0.000004	**-0.0011**	ug/L
ê>	In	115	2433207	2254374	130878	5.8	2254374.202376		ug/L
ê	Sn	120	150						ug/L

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ê	Sb	121	7	29	1	3.4	0.000010	**-0.0001**	ug/L
ë	Ba	138	62						ug/L
é>	Tm	169	2079972	1857426	108097	5.8	1857426.020385		ug/L
ê	Tl	205	19	7	3	34.3	-0.000005	**-0.0009**	ug/L
ê	Pb	208	233	239	21	8.9	0.000018	**-0.0018**	ug/L
ê	Bi	209	15						ug/L
ê	Th	232	43						ug/L
ë	U	238	3						ug/L
	C	13	41698	44197	696	1.6	2498.837428		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	102.571
⎢	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	100.153
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	92.650
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	89.301
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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ANALYSIS SEQUENCE

1400231

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400231-ICB1	1400231	QC	1		-			
1400231-CAL1	1400231	QC	2	1412009	-			
1400231-CAL2	1400231	QC	3	1412010	-			
1400231-CAL3	1400231	QC	4	1412011	-			
1400231-CAL4	1400231	QC	5	1412012	-			
1400231-CAL5	1400231	QC	6	1412013	-			
1400231-CAL6	1400231	QC	7	1412014	-			
1400231-CAL7	1400231	QC	8	1412015	-			
1400231-CAL8	1400231	QC	9	1412016	-			
1400231-ICB2	1400231	QC	10		-			
1400231-ICV1	1400231	QC	11	1341021	-			
1400231-ICB3	1400231	QC	12		-			
1400231-IBL1	1400231	QC	13		-			
1400231-IBL2	1400231	QC	14		-			
1400231-IBL3	1400231	QC	15		-			
1400231-IBL4	1400231	QC	16		-			
1400231-SCV1	1400231	QC	17	1346032	-			
1400231-CCV1	1400231	QC	18	1412012	-			
1400231-CCB1	1400231	QC	19		-			
B140388-BLK1	B140388	QC	20		-			
B140388-BLK2	B140388	QC	21		-			
B140388-BLK3	B140388	QC	22		-			
B140388-BLK4	B140388	QC	23		-			
B140388-BS1	B140388	QC	24		-			
B140388-SRM1	B140388	QC	25		-			
B140388-SRM2	B140388	QC	26		-			

ANALYSIS SEQUENCE

1400231

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400231-CCV2	1400231	QC	27	1412012	-			
1400231-CCB2	1400231	QC	28		-			
1408020-01RE1	B140388	Se-B-HNO3-DRC	29			ARD-MV1302	1/1/1980	BatchQC
1408020-01RE1	B140388	200.8-Se-B-HNO3-DRC	30			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-01RE1	B140388	200.8-As-B-HNO3-DRC	31			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
B140388-DUP1	B140388	QC	32		1408020-01RE1			
B140388-MS1	B140388	QC	33		1408020-01RE1			
B140388-MSD1	B140388	QC	34		1408020-01RE1			
1408020-02RE1	B140388	200.8-Se-B-HNO3-DRC	35			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-02RE1	B140388	200.8-As-B-HNO3-DRC	36			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-03RE1	B140388	200.8-Se-B-HNO3-DRC	37			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-03RE1	B140388	200.8-As-B-HNO3-DRC	38			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-04RE1	B140388	200.8-Se-B-HNO3-DRC	39			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-04RE1	B140388	200.8-As-B-HNO3-DRC	40			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-05RE1	B140388	200.8-Se-B-HNO3-DRC	41			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-05RE1	B140388	200.8-As-B-HNO3-DRC	42			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1400231-CCV3	1400231	QC	43	1412012	-			
1400231-CCB3	1400231	QC	44		-			
1408020-06RE1	B140388	200.8-Se-B-HNO3-DRC	45			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-06RE1	B140388	200.8-As-B-HNO3-DRC	46			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-07RE1	B140388	200.8-Se-B-HNO3-DRC	47			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-07RE1	B140388	200.8-As-B-HNO3-DRC	48			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-08RE1	B140388	200.8-Se-B-HNO3-DRC	49			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-08RE1	B140388	200.8-As-B-HNO3-DRC	50			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-09RE1	B140388	Se-B-HNO3-DRC	51			ARD-MV1302	1/1/1980	BatchQC
1408020-09RE1	B140388	200.8-Se-B-HNO3-DRC	52			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14

ANALYSIS SEQUENCE

1400231

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408020-09RE1	B140388	200.8-As-B-HNO3-DRC	53			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
B140388-DUP2	B140388	QC	54		1408020-09RE1			
B140388-MS2	B140388	QC	55		1408020-09RE1			
B140388-MSD2	B140388	QC	56		1408020-09RE1			
1408020-10RE1	B140388	200.8-Se-B-HNO3-DRC	57			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-10RE1	B140388	200.8-As-B-HNO3-DRC	58			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-11RE1	B140388	200.8-Se-B-HNO3-DRC	59			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-11RE1	B140388	200.8-As-B-HNO3-DRC	60			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1400231-CCV4	1400231	QC	61	1412012	-			
1400231-CCB4	1400231	QC	62		-			
1408020-12RE1	B140388	Se-B-HNO3-DRC	63			ARD-MV1302	1/1/1980	BatchQC
1408020-12RE1	B140388	200.8-As-B-HNO3-DRC	64			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-12RE1	B140388	200.8-Se-B-HNO3-DRC	65			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
B140388-DUP3	B140388	QC	66		1408020-12RE1			
B140388-MS3	B140388	QC	67		1408020-12RE1			
B140388-MSD3	B140388	QC	68		1408020-12RE1			
1408020-13RE1	B140388	200.8-Se-B-HNO3-DRC	69			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-13RE1	B140388	200.8-As-B-HNO3-DRC	70			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-14RE1	B140388	200.8-Se-B-HNO3-DRC	71			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-14RE1	B140388	200.8-As-B-HNO3-DRC	72			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-15RE1	B140388	200.8-Se-B-HNO3-DRC	73			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-15RE1	B140388	200.8-As-B-HNO3-DRC	74			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-16RE1	B140388	200.8-Se-B-HNO3-DRC	75			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-16RE1	B140388	200.8-As-B-HNO3-DRC	76			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-17RE1	B140388	200.8-Se-B-HNO3-DRC	77			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-17RE1	B140388	200.8-As-B-HNO3-DRC	78			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14

ANALYSIS SEQUENCE

1400231

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400231-CCV5	1400231	QC	79	1412012	-			
1400231-CCB5	1400231	QC	80		-			
1408020-18RE1	B140388	200.8-Se-B-HNO3-DRC	81			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-18RE1	B140388	200.8-As-B-HNO3-DRC	82			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-19RE1	B140388	200.8-Se-B-HNO3-DRC	83			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-19RE1	B140388	200.8-As-B-HNO3-DRC	84			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-20RE1	B140388	200.8-Se-B-HNO3-DRC	85			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-20RE1	B140388	200.8-As-B-HNO3-DRC	86			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-21RE1	B140388	200.8-Se-B-HNO3-DRC	87			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-21RE1	B140388	200.8-As-B-HNO3-DRC	88			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-22RE1	B140388	200.8-Se-B-HNO3-DRC	89			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-22RE1	B140388	200.8-As-B-HNO3-DRC	90			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-23RE1	B140388	200.8-Se-B-HNO3-DRC	91			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-23RE1	B140388	200.8-As-B-HNO3-DRC	92			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-24RE1	B140388	Se-B-HNO3-DRC	93			ARD-MV1302	1/1/1980	BatchQC
1408020-24RE1	B140388	200.8-Se-B-HNO3-DRC	94			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
1408020-24RE1	B140388	200.8-As-B-HNO3-DRC	95			ARD-MV1302	3/14/2014	From B140295 by CCE on 03/11/14
B140388-DUP4	B140388	QC	96		1408020-24RE1			
B140388-MS4	B140388	QC	97		1408020-24RE1			
B140388-MSD4	B140388	QC	98		1408020-24RE1			
1400231-CCV6	1400231	QC	99	1412012	-			
1400231-CCB6	1400231	QC	100		-			
1408011-01RE1	B140388	Se-B-HNO3-DRC	101			MOE-BC1401	3/13/2014	From B140295 by CCE on 03/11/14
1408011-02RE1	B140388	Se-B-HNO3-DRC	102			MOE-BC1401	3/13/2014	From B140295 by CCE on 03/11/14
1408011-03RE1	B140388	Se-B-HNO3-DRC	103			MOE-BC1401	3/13/2014	From B140295 by CCE on 03/11/14
1408011-04RE1	B140388	Se-B-HNO3-DRC	104			MOE-BC1401	3/13/2014	From B140295 by CCE on 03/11/14

ANALYSIS SEQUENCE

1400231

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1408011-05RE1	B140388	Se-B-HNO3-DRC	105			MOE-BC1401	3/13/2014	From B140295 by CCE on 03/11/14
1408011-06RE1	B140388	Se-B-HNO3-DRC	106			MOE-BC1401	3/13/2014	From B140295 by CCE on 03/11/14
1408011-07RE1	B140388	Se-B-HNO3-DRC	107			MOE-BC1401	3/13/2014	From B140295 by CCE on 03/11/14
1408011-08RE1	B140388	Se-B-HNO3-DRC	108			MOE-BC1401	3/13/2014	From B140295 by CCE on 03/11/14
B140388-SRM3	B140388	QC	109		-			
B140388-SRM4	B140388	QC	110		-			
1400231-CCV7	1400231	QC	111	1412012	-			
1400231-CCB7	1400231	QC	112		-			

ICP-MS Analysis Benchsheet Batch No: B140388

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: ~~3/19/2014~~ 3/21/14 CCE 3/21/14

Instrument ID: ICPMS2 cHNO3 ID: 1406038 cHCl ID: NA

Calibration recorded in LIMS Int Std: 1338085 SEQ: 1400231

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		
107	B140388	B140388-BLK1	10x	
108	B140388	B140388-BLK2	10x	
109	B140388	B140388-BLK3	10x	
110	B140388	B140388-BLK4	10x	
111	B140388	B140388-BS1	10x	
112	B140388	B140388-SRM1	10x	
113	B140388	B140388-SRM2	10x	
5		SEQ-CCV2		1412012
1		SEQ-CCB2		
114	B140388	1408020-01RE1	10x	
115	B140388	B140388-DUP1	10x	
116	B140388	B140388-MS1	10x	
117	B140388	B140388-MSD1	10x	
118	B140388	1408020-02RE1	10x	
119	B140388	1408020-03RE1	10x	
120	B140388	1408020-04RE1	10x	
121	B140388	1408020-05RE1	10x	
5		SEQ-CCV3		1412012
1		SEQ-CCB3		
122	B140388	1408020-06RE1	10x	

123	B140388	1408020-07RE1	10x	
124	B140388	1408020-08RE1	10x	
125	B140388	1408020-09RE1	10x	
126	B140388	B140388-DUP2	10x	
127	B140388	B140388-MS2	10x	
128	B140388	B140388-MSD2	10x	
129	B140388	1408020-10RE1	10x	
130	B140388	1408020-11RE1	10x	
5		SEQ-CCV4		1412012
1		SEQ-CCB4		
131	B140388	1408020-12RE1	10x	
132	B140388	B140388-DUP3	10x	
133	B140388	B140388-MS3	10x	
134	B140388	B140388-MSD3	10x	
135	B140388	1408020-13RE1	10x	
136	B140388	1408020-14RE1	10x	
137	B140388	1408020-15RE1	10x	
138	B140388	1408020-16RE1	10x	
139	B140388	1408020-17RE1	10x	
5		SEQ-CCV5		1412012
1		SEQ-CCB5		
140	B140388	1408020-18RE1	10x	
141	B140388	1408020-19RE1	10x	
142	B140388	1408020-20RE1	10x	
143	B140388	1408020-21RE1	10x	
144	B140388	1408020-22RE1	10x	
145	B140388	1408020-23RE1	10x	
146	B140388	1408020-24RE1	10x	
147	B140388	B140388-DUP4	10x	
148	B140388	B140388-MS4	10x	
149	B140388	B140388-MSD4	10x	
5		SEQ-CCV6		1412012
1		SEQ-CCB6		
150	B140388	1408011-01RE1	10x	
151	B140388	1408011-02RE1	10x	
152	B140388	1408011-03RE1	10x	
153	B140388	1408011-04RE1	10x	
154	B140388	1408011-05RE1	10x	
155	B140388	1408011-06RE1	10x	
156	B140388	1408011-07RE1	10x	
157	B140388	1408011-08RE1	10x	
158	B140388	B140388-SRM3	10x	
159	B140388	B140388-SRM4	10x	
5		SEQ-CCV7		1412012
1		SEQ-CCB7		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		

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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 #: B140292, 0398, 295, 357, 397 Prepared By: NH Preparation Date and Time*: 3-8-14 11:20

Matrix: Biota Balance ID: BL-03 Date and Time of Finished Preparation: 3-10-14 10:11

* Time is when the first reagents are added.

Sample ID	Sample Mass (g)	Notes
BLK1	---	
BLK2	---	
BLK3	---	
BLK4	---	
BS1	---	
~~BS2~~ 3-7-14 NH		
SRM1	0.247	
SRM2	0.251	
1408020-01	0.519	
B140292-DUP1	0.518	1408020-01
-MS1	0.500	
-MSD1	0.514	
1408020-02	0.506	
-03	0.524	
-04	0.528	
-05	0.512	
-06	0.520	
-07	0.525	
-08	0.511	
-09	0.501	
B140292 ~~B140020~~ 3-7-14 NH DUP2	0.506	1408020-09
B140292-MS2	0.501	
-MSD2	0.524	
1408020-10	0.520	

Sample ID	Sample Mass (g)	Notes
1408020-11	0.509	
-12	0.497	
B140292-DUP3	0.492	1408020-12
-MS3	0.493	
-MSD3	0.521	
1408020-13	0.521	
-14	0.496	
-15	0.525	
~~B140292-DUP4~~	~~0.504~~	~~1408020-15~~
~~-MS4~~	~~0.511~~	3-7-14
~~-MSD4~~	~~0.509~~	NH
1408020-16	0.497	
-17	0.534	
-18	0.495	
-19	0.509	
-20	0.535	
-21	0.499	
-22	0.491	
-23	0.497	
-24	0.517	
B140292-DUP4	0.524	1408020-24
-MS4	0.508	
-MSD4	0.502	
1408011-01	0.507	Sample exhausted

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
SEE	ATTACHED			N/A
	CLE 3/11/14			Digested/spiked on Sat. no one else was in the lab 3-10-14 NH.

Reagents Added (ID/Amount Added)
0.1mL H2O2 1250057
10mL HNO3 1406040

Target Hotblock Temperature = 100 °C
HotBlock Temperature*, Time On / Time Off, Date
100°C 102°C 11:40 3-8-14
15:10 3-9-14

Therm. ID: TH-05 TH-01 Hotblock ID: HB-02 HB-01
* Both measured and corrected temperatures must be recorded.

Environ. Express tube lot #: 1308077

Final Dilution Volume 40 mL

SRM-Matrix-LIMS ID #
SRM 1/2 DORM-4 1329003
SRM 3/4 TORT-3 1327017

Comments:

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Trace Metals Method BR-0070 Rev 0036 (ICP-MS)

Biota Preparation by HotBlock Digestion

Digestion by: HNO_3 / H_2O_2

Batch #: B140292, 0388
B140295
B140357
B140397 IDOC

Sample ID	Sample Mass (g)	Notes
1408011-02	0.510	
-03	0.558	sample exhausted
-04	0.491	
B140292-DUP5	0.484	Hg Only
1408011-05	0.540	Sample exhausted
-06	0.301	
-07	0.536	
-08	0.531	sample exhausted
B140292-MS5	0.537	Hg Only
-MSD5	0.558	
1402033-04RE2	0.496	
MDL-1		
-2		
-3		
-4		
-5		
-6		
-7		
-8		
LOQ-1		
-2		
-3		
-4		
LOD-1		
-2		
-3		
SRM-3	0.256	DORM-4
SRM-4	0.258	TORT-3

Sample ID	Sample Mass (g)	Notes

B140292, 0295 ,0357,0388
biotas

Samples spiked: BS1, MS1/D1-4

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
Al	8.000	40.000	0.4000	1000	1410046
As DRC	0.400	2.000	0.2000	**100**	1347037
Ba	1.600	8.000	0.8000	**100**	1338018
Be	0.900	4.500	0.4500	**100**	1338020
Cd	0.200	1.000	0.1000	**100**	1338023
Co	1.600	8.000	0.8000	**100**	1351036
Cr DRC	1.500	7.500	0.7500	**100**	1351038
Cu	1.600	8.000	0.8000	**100**	1351040
Fe DRC	50.000	250.000	0.2500	**10000**	1345003
Mn	0.400	2.000	0.2000	**100**	1351046
Mo	0.300	1.500	0.1500	**100**	1351048
Pb	0.400	2.000	0.2000	**100**	1351050
Se DRC	1.500	7.500	0.7500	**100**	1338030
Tl	0.080	0.400	0.4000	**10**	1410013
V DRC	1.800	9.000	0.9000	**100**	1338035
Zn	10.000	50.000	0.5000	1000	1351031

Spike mix ID: 1411016

3.7.14 µL Add ~~2.35mL~~ 2% HNO3 2.1 mL 2% HNO3

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

Fake spike ID: 1411017

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

Hg spike: 0.100 mL of 1350014 (1000 ng/mL THg)
BS2, MS5/MD5

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\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052
Tuning File: C:\Elandata\Tuning\Default.tun
Optimization File: C:\Elandata\Optimize\Default.dac
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Calibration Type: External Calibration

Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
AsO	91	Weighted Linear	0.005	0.000	0.998989	0.025000
Se	78	Weighted Linear	0.001	-0.000	0.999356	0.050000
Se	77	Weighted Linear	0.000	0.000	0.999514	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: Friday, March 21, 2014 17:33:41
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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		1	1	86.6			ug/L
|	Se	78		3	1	18.8			ug/L
|	Se	77		1	0	43.3			ug/L
⌊>	Rh	103		269977	5072	1.9			ug/L
	Br	79		3	1	43.3			ug/L
	Cl	35		581	12	2.0			ug/L
	C	13		2904	132	4.6			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: Friday, March 21, 2014 17:35:09
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CAL1.053
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	42	15	36.0	0.000145	**0.0260**	ug/L
│	Se	78	3	10	4	40.6	0.000024	**0.0482**	ug/L
│	Se	77	1	3	1	42.8	0.000009	**0.0492**	ug/L
└>	Rh	103	269977	279793	3678	1.3	279793.357858		ug/L
	Br	79	3	7	1	21.7	3.333335		ug/L
	Cl	35	581	610	84	13.7	29.168828		ug/L
	C	13	2904	3236	206	6.4	332.613217		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: Friday, March 21, 2014 17:36:37
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CAL2.054
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	66	26	39.7	0.000238	**0.0458**	ug/L
|	Se	78	3	18	8	41.2	0.000056	**0.1064**	ug/L
|	Se	77	1	6	3	52.4	0.000018	**0.1019**	ug/L
⌊>	Rh	103	269977	270634	5252	1.9	270634.415924		ug/L
	Br	79	3	5	3	50.0	1.666668		ug/L
	Cl	35	581	613	57	9.3	32.502250		ug/L
	C	13	2904	2902	20	0.7	-1.667827		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: Friday, March 21, 2014 17:38:05
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 4

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CAL3.055
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	327	141	43.1	0.001223	**0.2558**	ug/L
|	Se	78	3	39	13	32.9	0.000135	**0.2538**	ug/L
|	Se	77	1	12	4	31.1	0.000043	**0.2554**	ug/L
⌊>	Rh	103	269977	267999	7643	2.9	267999.129887		ug/L
	Br	79	3	3	3	100.0	-0.833333		ug/L
	Cl	35	581	596	32	5.4	15.001004		ug/L
	C	13	2904	2675	68	2.5	-229.237457		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: Friday, March 21, 2014 17:39:33
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CAL4.056
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	1345	591	44.0	0.004936	**1.0472**	ug/L
|	Se	78	3	152	67	43.9	0.000546	**1.0119**	ug/L
|	Se	77	1	48	22	45.2	0.000173	**1.0509**	ug/L
⌊>	Rh	103	269977	270851	4810	1.8	270851.414737		ug/L
	Br	79	3	0	0		-3.333334		ug/L
	Cl	35	581	621	28	4.4	40.002666		ug/L
	C	13	2904	2866	174	6.1	-37.511431		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: Friday, March 21, 2014 17:41:01
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CAL5.057
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	6319	2570	40.7	0.023247	**4.9502**	ug/L
|	Se	78	3	717	293	40.9	0.002625	**4.8469**	ug/L
|	Se	77	1	217	90	41.3	0.000795	**4.8564**	ug/L
⌊>	Rh	103	269977	272709	4013	1.5	272708.808819		ug/L
	Br	79	3	4	4	91.7	0.833334		ug/L
	Cl	35	581	541	50	9.3	-40.002380		ug/L
	C	13	2904	2721	46	1.7	-182.557030		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: Friday, March 21, 2014 17:42:29
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 7

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CAL6.058
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	31949	12877	40.3	0.118500	**25.2533**	ug/L
|	Se	78	3	3657	1515	41.4	0.013555	**25.0160**	ug/L
|	Se	77	1	1095	441	40.3	0.004059	**24.8176**	ug/L
⌊>	Rh	103	269977	270283	3537	1.3	270282.822891		ug/L
	Br	79	3	3	1	43.3	0.000000		ug/L
	Cl	35	581	518	11	2.2	-62.503779		ug/L
	C	13	2904	2637	61	2.3	-266.748444		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: Friday, March 21, 2014 17:43:57
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 8

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CAL7.059
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	156479	63787	40.8	0.583752	**124.4210**	ug/L
|	Se	78	3	18112	7505	41.4	0.067553	**124.6562**	ug/L
|	Se	77	1	5417	2187	40.4	0.020206	**123.5563**	ug/L
⌊>	Rh	103	269977	267850	1136	0.4	267850.334759		ug/L
	Br	79	3	13	5	40.0	9.166675		ug/L
	Cl	35	581	613	41	6.7	32.502192		ug/L
	C	13	2904	2832	49	1.7	-71.689833		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: Friday, March 21, 2014 17:45:24
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CAL8.060
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	629394	260065	41.3	2.298111	**489.8344**	ug/L
|	Se	78	3	72504	30604	42.2	0.264719	**488.4747**	ug/L
|	Se	77	1	21772	9011	41.4	0.079493	**486.1161**	ug/L
⌊>	Rh	103	269977	273757	428	0.2	273757.403436		ug/L
	Br	79	3	18	9	47.9	15.000021		ug/L
	Cl	35	581	548	58	10.7	-33.335282		ug/L
	C	13	2904	2812	100	3.5	-91.695766		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: Friday, March 21, 2014 17:46:53
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB2.061
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	154	50	32.6	0.000574	**0.1175**	ug/L
|	Se	78	3	51	15	29.6	0.000179	**0.3336**	ug/L
|	Se	77	1	16	3	19.3	0.000056	**0.3367**	ug/L
⌊>	Rh	103	269977	265900	732	0.3	265900.127081		ug/L
	Br	79	3	7	1	21.7	3.333335		ug/L
	Cl	35	581	571	40	7.0	-10.000579		ug/L
	C	13	2904	2799	97	3.5	-105.033235		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.490
	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: Friday, March 21, 2014 17:48:21
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 101

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICV1.062
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	6044	2532	41.9	0.022314	**4.7513**	ug/L
|	Se	78	3	1428	586	41.0	0.005262	**9.7127**	ug/L
|	Se	77	1	419	182	43.5	0.001544	**9.4372**	ug/L
⌊>	Rh	103	269977	270404	1654	0.6	270404.348270		ug/L
	Br	79	3	3	3	86.6	0.000000		ug/L
	Cl	35	581	539	64	11.9	-41.669087		ug/L
	C	13	2904	2729	65	2.4	-175.054705		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	100.158
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB3

Sample Description:
Batch ID:

Sample Date/Time: Friday, March 21, 2014 17:49:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB3.063
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	22	4	15.7	0.000079	**0.0120**	ug/L
|	Se	78	3	12	3	22.7	0.000035	**0.0676**	ug/L
|	Se	77	1	3	1	16.9	0.000010	**0.0572**	ug/L
⌊>	Rh	103	269977	265162	3876	1.5	265162.040520		ug/L
	Br	79	3	3	3	100.0	-0.833333		ug/L
	Cl	35	581	605	13	2.1	24.168244		ug/L
	C	13	2904	2892	106	3.7	-11.670618		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.217
	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: Friday, March 21, 2014 17:51:19
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 102

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-IBL1.064
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	19	4	19.0	0.000066	**0.0092**	ug/L
│	Se	78	3	8	1	10.3	0.000017	**0.0349**	ug/L
│	Se	77	1	3	1	26.2	0.000008	**0.0451**	ug/L
└>	Rh	103	269977	267192	2525	0.9	267191.546501		ug/L
	Br	79	3	3	4	114.6	0.000000		ug/L
	Cl	35	581	538	66	12.3	-43.335843		ug/L
	C	13	2904	2702	79	2.9	-201.729265		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	98.968
	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: Friday, March 21, 2014 17:52:47
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 103

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-IBL2.065
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	11	2	18.4	0.000037	**0.0030**	ug/L
|	Se	78	3	7	1	18.0	0.000015	**0.0306**	ug/L
|	Se	77	1	2	0	14.3	0.000004	**0.0182**	ug/L
⌊>	Rh	103	269977	269030	1380	0.5	269030.274711		ug/L
	Br	79	3	5	3	50.0	1.666668		ug/L
	Cl	35	581	568	73	12.8	-13.333987		ug/L
	C	13	2904	2725	117	4.3	-179.222274		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	99.649
	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: Friday, March 21, 2014 17:54:15
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 104

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-IBL3.066
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	6	3	50.8	0.000018	**-0.0010**	ug/L
│	Se	78	3	7	0	5.5	0.000013	**0.0275**	ug/L
│	Se	77	1	2	1	29.4	0.000006	**0.0292**	ug/L
└>	Rh	103	269977	270859	1904	0.7	270859.293157		ug/L
	Br	79	3	3	3	100.0	-0.833333		ug/L
	Cl	35	581	563	53	9.4	-17.501005		ug/L
	C	13	2904	2710	102	3.8	-194.226881		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	100.327
	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: Friday, March 21, 2014 17:55:43
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 105

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-IBL4.067
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	11	2	21.7	0.000035	**0.0026**	ug/L
|	Se	78	3	6	1	21.2	0.000010	**0.0220**	ug/L
|	Se	77	1	2	1	39.7	0.000004	**0.0150**	ug/L
⌊>	Rh	103	269977	265722	5401	2.0	265721.865283		ug/L
	Br	79	3	5	3	50.0	1.666668		ug/L
	Cl	35	581	556	14	2.5	-25.001561		ug/L
	C	13	2904	2662	81	3.1	-241.741053		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.424
	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: Friday, March 21, 2014 17:57:11
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 106

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-SCV1.068
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	14924	5847	39.2	0.057696	**61.4649**	ug/L
|	Se	78	3	354	136	38.4	0.001356	**12.5337**	ug/L
|	Se	77	1	106	37	35.5	0.000405	**12.3604**	ug/L
⌊>	Rh	103	269977	259366	2686	1.0	259366.452132		ug/L
	Br	79	3	7	4	57.3	3.333336		ug/L
	Cl	35	581	503	61	12.2	-77.504488		ug/L
	C	13	2904	2480	91	3.7	-423.459042		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.070
	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: Friday, March 21, 2014 17:58:40
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CCV1.069
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	1358	606	44.6	0.005022	**1.0656**	ug/L
|	Se	78	3	150	57	38.0	0.000545	**1.0094**	ug/L
|	Se	77	1	46	19	41.0	0.000167	**1.0143**	ug/L
⌊>	Rh	103	269977	269199	3330	1.2	269198.810770		ug/L
	Br	79	3	3	1	43.3	0.000000		ug/L
	Cl	35	581	585	11	2.0	4.166934		ug/L
	C	13	2904	2966	103	3.5	62.519923		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	99.712
	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: Friday, March 21, 2014 18:00:08
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CCB1.070
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	7	2	20.8	0.000022	**-0.0001**	ug/L
|	Se	78	3	6	0	2.4	0.000010	**0.0226**	ug/L
|	Se	77	1	2	0	28.9	0.000003	**0.0126**	ug/L
⌊>	Rh	103	269977	269117	2941	1.1	269117.194586		ug/L
	Br	79	3	6	1	24.7	2.500001		ug/L
	Cl	35	581	552	26	4.7	-29.168464		ug/L
	C	13	2904	2865	99	3.5	-38.345779		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	99.682
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-BLK1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:01:37
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 107

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-BLK1.071
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	5	3	60.0	0.000014	**-0.0195**	ug/L
│	Se	78	3	4	1	22.2	0.000005	**0.1212**	ug/L
│	Se	77	1	2	1	31.2	0.000004	**0.1674**	ug/L
└>	Rh	103	269977	265661	3680	1.4	265661.250130		ug/L
	Br	79	3	10	3	25.0	6.666672		ug/L
	Cl	35	581	527	40	7.5	-54.169914		ug/L
	C	13	2904	2554	46	1.8	-350.105629		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	98.401
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-BLK2

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:03:05
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 108

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-BLK2.072
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	3	4	105.4	0.000007	**-0.0330**	ug/L
│	Se	78	3	5	1	15.1	0.000006	**0.1546**	ug/L
│	Se	77	1	2	0	28.9	0.000003	**0.1236**	ug/L
└>	Rh	103	269977	270688	2995	1.1	270687.818350		ug/L
	Br	79	3	8	5	62.4	5.000004		ug/L
	Cl	35	581	527	45	8.5	-54.169897		ug/L
	C	13	2904	2786	90	3.2	-117.537119		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	100.263
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-BLK3

Sample Description: 10x

Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:04:33
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 109

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-BLK3.073
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	3	2	57.7	0.000006	**-0.0354**	ug/L
|	Se	78	3	4	2	48.1	0.000002	**0.0807**	ug/L
|	Se	77	1	1	0	13.3	0.000002	**0.0325**	ug/L
⌊>	Rh	103	269977	266452	1690	0.6	266451.847892		ug/L
	Br	79	3	8	7	88.2	4.166671		ug/L
	Cl	35	581	588	34	5.8	7.500520		ug/L
	C	13	2904	2772	103	3.7	-131.708030		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.694
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-BLK4

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:06:01
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 110

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-BLK4.074
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	3	0	0.0	0.000006	**-0.0352**	ug/L
│	Se	78	3	4	1	25.6	0.000005	**0.1235**	ug/L
│	Se	77	1	1	1	75.5	0.000001	**-0.0232**	ug/L
└>	Rh	103	269977	265014	3800	1.4	265014.476049		ug/L
	Br	79	3	3	3	86.6	0.000000		ug/L
	Cl	35	581	492	26	5.3	-89.171907		ug/L
	C	13	2904	2705	111	4.1	-199.228296		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	98.162
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-BS1

Sample Description: 10x

Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:07:28
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 111

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-BS1.075
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	723	275	38.1	0.002753	**5.8192**	ug/L
│	Se	78	3	295	113	38.4	0.001112	**20.5492**	ug/L
│	Se	77	1	87	37	42.3	0.000329	**20.0296**	ug/L
└>	Rh	103	269977	263228	4364	1.7	263228.011295		ug/L
	Br	79	3	3	1	43.3	0.000000		ug/L
	Cl	35	581	503	11	2.3	-78.338001		ug/L
	C	13	2904	2647	58	2.2	-256.745550		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	97.500
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-SRM1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:08:56
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 112

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-SRM1.076
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	5245	2190	41.8	0.020377	**43.3835**	ug/L
│	Se	78	3	331	130	39.1	0.001275	**23.5694**	ug/L
│	Se	77	1	104	43	41.7	0.000403	**24.5611**	ug/L
└>	Rh	103	269977	258066	3691	1.4	258066.284517		ug/L
	Br	79	3	361	105	29.0	357.507562		ug/L
	Cl	35	581	602	16	2.7	20.834693		ug/L
	C	13	2904	2782	51	1.8	-121.705267		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	95.588
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-SRM2

Sample Description: 10x

Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:10:24
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 113

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-SRM2.077
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	54044	22291	41.2	0.212339	**452.5500**	ug/L
│	Se	78	3	1017	418	41.1	0.003985	**73.5718**	ug/L
│	Se	77	1	299	129	43.3	0.001170	**71.5043**	ug/L
└>	Rh	103	269977	254541	652	0.3	254540.993569		ug/L
	Br	79	3	1098	326	29.7	1095.070250		ug/L
	Cl	35	581	530	46	8.7	-50.836366		ug/L
	C	13	2904	2670	104	3.9	-234.238702		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.283
	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: Friday, March 21, 2014 18:11:53
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CCV2.078
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	1372	585	42.7	0.005191	**1.1015**	ug/L
│	Se	78	3	160	63	39.6	0.000594	**1.1003**	ug/L
│	Se	77	1	44	18	40.3	0.000165	**1.0027**	ug/L
└>	Rh	103	269977	262665	5381	2.0	262664.919260		ug/L
	Br	79	3	13	6	43.3	10.000010		ug/L
	Cl	35	581	520	40	7.7	-60.836962		ug/L
	C	13	2904	2647	221	8.4	-256.743881		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	97.292
	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: Friday, March 21, 2014 18:13:21
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CCB2.079
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	7	4	51.5	0.000021	**-0.0004**	ug/L
|	Se	78	3	5	1	22.1	0.000008	**0.0181**	ug/L
|	Se	77	1	2			0.000004	**0.0183**	ug/L
⌊>	Rh	103	269977	268339	2823	1.1	268338.829208		ug/L
	Br	79	3	12	6	49.5	8.333341		ug/L
	Cl	35	581	578	24	4.1	-2.500144		ug/L
	C	13	2904	2950	68	2.3	45.847618		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	99.393
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-01RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:14:50
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 114

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-01RE1.080
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	47478	19162	40.4	0.183065	**390.1518**	ug/L
|	Se	78	3	51	18	34.7	0.000184	**3.4353**	ug/L
|	Se	77	1	16	6	40.2	0.000060	**3.5788**	ug/L
⌊>	Rh	103	269977	259446	1733	0.7	259446.027141		ug/L
	Br	79	3	241	90	37.3	237.503486		ug/L
	Cl	35	581	543	59	10.9	-37.502195		ug/L
	C	13	2904	2723	68	2.5	-180.889775		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.099
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-DUP1
Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:16:18
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 115

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-DUP1.081
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	46598	18455	39.6	0.181940	**387.7530**	ug/L
|	Se	78	3	52	22	42.0	0.000189	**3.5234**	ug/L
|	Se	77	1	15	8	51.8	0.000055	**3.2723**	ug/L
⌊>	Rh	103	269977	257698	5773	2.2	257698.426555		ug/L
	Br	79	3	261	80	30.9	257.503979		ug/L
	Cl	35	581	546	51	9.3	-35.002080		ug/L
	C	13	2904	2635	99	3.8	-268.415372		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	95.452
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-MS1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:17:45
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 116

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-MS1.082
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	45107	18324	40.6	0.174887	**372.7199**	ug/L
│	Se	78	3	330	132	40.0	0.001267	**23.4215**	ug/L
│	Se	77	1	98	38	38.4	0.000378	**23.0636**	ug/L
└>	Rh	103	269977	257268	2454	1.0	257268.030862		ug/L
	Br	79	3	233	88	37.7	230.003278		ug/L
	Cl	35	581	563	70	12.5	-17.500925		ug/L
	C	13	2904	2731	114	4.2	-172.553637		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	95.293
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-MSD1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:19:13
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 117

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-MSD1.083
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	46367	18640	40.2	0.178558	**380.5453**	ug/L
│	Se	78	3	336	132	39.3	0.001282	**23.6854**	ug/L
│	Se	77	1	98	43	43.9	0.000376	**22.9373**	ug/L
└>	Rh	103	269977	259109	2527	1.0	259109.242293		ug/L
	Br	79	3	226	59	26.3	222.502934		ug/L
	Cl	35	581	554	43	7.8	-26.668267		ug/L
	C	13	2904	2792	55	2.0	-111.702183		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	95.975
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-02RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:20:41
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 118

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-02RE1.084
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	47132	18944	40.2	0.181957	**387.7899**	ug/L
│	Se	78	3	47	16	34.7	0.000170	**3.1668**	ug/L
│	Se	77	1	15	5	32.7	0.000055	**3.2868**	ug/L
└>	Rh	103	269977	258857	1044	0.4	258857.021570		ug/L
	Br	79	3	231	61	26.4	227.503067		ug/L
	Cl	35	581	523	23	4.4	-57.503477		ug/L
	C	13	2904	2748	63	2.3	-155.882275		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	95.881
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-03RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:22:09
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 119

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-03RE1.085
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	50588	19917	39.4	0.198579	**423.2198**	ug/L
|	Se	78	3	59	18	29.9	0.000218	**4.0547**	ug/L
|	Se	77	1	14	6	41.3	0.000051	**3.0706**	ug/L
⌊>	Rh	103	269977	256362	8186	3.2	256361.773269		ug/L
	Br	79	3	234	75	32.2	230.836557		ug/L
	Cl	35	581	548	38	7.0	-32.501970		ug/L
	C	13	2904	2711	77	2.8	-192.559881		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	94.957
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-04RE1

Sample Description: 10x

Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:23:37
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 120

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-04RE1.086
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	43017	17415	40.5	0.170295	**362.9325**	ug/L
│	Se	78	3	60	19	31.8	0.000227	**4.2234**	ug/L
│	Se	77	1	19	7	36.8	0.000074	**4.4854**	ug/L
└>	Rh	103	269977	251946	2560	1.0	251946.243777		ug/L
	Br	79	3	229	89	38.7	225.836510		ug/L
	Cl	35	581	565	78	13.8	-15.834113		ug/L
	C	13	2904	2823	126	4.5	-80.858854		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	93.321
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-05RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:25:05
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 121

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-05RE1.087
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	36903	14603	39.6	0.145180	**309.4012**	ug/L
│	Se	78	3	60	20	33.1	0.000225	**4.1861**	ug/L
│	Se	77	1	18	7	41.2	0.000069	**4.1356**	ug/L
└>	Rh	103	269977	254813	2489	1.0	254812.821124		ug/L
	Br	79	3	189	77	40.5	185.835516		ug/L
	Cl	35	581	561	32	5.7	-20.001223		ug/L
	C	13	2904	2769	119	4.3	-135.042247		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.383
	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: Friday, March 21, 2014 18:26:34
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CCV3.088
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	1325	525	39.7	0.005062	**1.0741**	ug/L
|	Se	78	3	149	64	43.0	0.000559	**1.0348**	ug/L
|	Se	77	1	45	19	41.2	0.000171	**1.0370**	ug/L
⌊>	Rh	103	269977	261050	1996	0.8	261050.183345		ug/L
	Br	79	3	8	9	105.4	5.000006		ug/L
	Cl	35	581	523	24	4.6	-57.503476		ug/L
	C	13	2904	2605	43	1.7	-298.424310		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.694
	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: Friday, March 21, 2014 18:28:02
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CCB3.089
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	6	3	57.7	0.000018	**-0.0010**	ug/L
|	Se	78	3	4	1	23.5	0.000005	**0.0123**	ug/L
|	Se	77	1	1	0	10.8	0.000003	**0.0099**	ug/L
⌊>	Rh	103	269977	259225	2661	1.0	259224.997514		ug/L
	Br	79	3	4	1	34.6	0.833334		ug/L
	Cl	35	581	597	40	6.7	15.834412		ug/L
	C	13	2904	2900	14	0.5	-4.168632		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.017
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-06RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:29:32
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 122

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-06RE1.090
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	38143	14970	39.2	0.150099	**319.8856**	ug/L
|	Se	78	3	57	22	38.1	0.000213	**3.9658**	ug/L
|	Se	77	1	16	6	35.7	0.000059	**3.5129**	ug/L
⌊>	Rh	103	269977	255215	4455	1.7	255215.188578		ug/L
	Br	79	3	253	70	27.6	249.170351		ug/L
	Cl	35	581	547	22	4.0	-34.168773		ug/L
	C	13	2904	2680	53	2.0	-224.236048		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	94.532
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-07RE1

Sample Description: 10x

Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:30:59
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 123

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-07RE1.091
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	48170	19362	40.2	0.192445	**410.1459**	ug/L
	Se	78	3	55	17	30.3	0.000209	**3.8983**	ug/L
	Se	77	1	17	5	28.5	0.000064	**3.8344**	ug/L
>	Rh	103	269977	250543	1273	0.5	250543.080317		ug/L
	Br	79	3	219	41	18.6	215.836035		ug/L
	Cl	35	581	487	51	10.4	-94.172107		ug/L
	C	13	2904	2725	181	6.6	-179.221579		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	AsO	91	
	Se	78	
	Se	77	
>	Rh	103	92.802
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-08RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:32:27
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 124

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-08RE1.092
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	44394	17899	40.3	0.173994	**370.8175**	ug/L
│	Se	78	3	51	20	39.9	0.000189	**3.5264**	ug/L
│	Se	77	1	13	4	29.8	0.000048	**2.8603**	ug/L
└>	Rh	103	269977	255043	1469	0.6	255043.171998		ug/L
	Br	79	3	231	72	31.4	227.503123		ug/L
	Cl	35	581	573	17	3.0	-7.500471		ug/L
	C	13	2904	2848	158	5.6	-55.850721		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.469
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-09RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:33:55
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 125

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-09RE1.093
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	667	246	36.9	0.002675	**5.6535**	ug/L
│	Se	78	3	64	23	36.2	0.000244	**4.5340**	ug/L
│	Se	77	1	17	9	50.4	0.000067	**4.0276**	ug/L
└>	Rh	103	269977	249649	3128	1.3	249649.276674		ug/L
	Br	79	3	429	150	34.9	425.844285		ug/L
	Cl	35	581	593	28	4.7	12.500830		ug/L
	C	13	2904	2710	59	2.2	-194.227130		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	92.471
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-DUP2

Sample Description: 10x

Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:35:23
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 126

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-DUP2.094
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	690	296	42.9	0.002714	**5.7357**	ug/L
|	Se	78	3	55	22	40.9	0.000204	**3.7945**	ug/L
|	Se	77	1	16	8	47.0	0.000061	**3.6367**	ug/L
⌊>	Rh	103	269977	253488	1753	0.7	253488.105876		ug/L
	Br	79	3	373	125	33.5	369.174869		ug/L
	Cl	35	581	543	50	9.2	-37.502232		ug/L
	C	13	2904	2640	21	0.8	-264.247839		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	93.893
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-MS2

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:36:51
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 127

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-MS2.095
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	1453	581	40.0	0.005679	**12.0550**	ug/L
│	Se	78	3	341	134	39.3	0.001322	**24.4390**	ug/L
│	Se	77	1	100	38	38.1	0.000389	**23.7013**	ug/L
└>	Rh	103	269977	256436	2949	1.1	256435.937512		ug/L
	Br	79	3	363	92	25.2	360.007568		ug/L
	Cl	35	581	538	25	4.6	-43.335982		ug/L
	C	13	2904	2748	106	3.9	-155.882005		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.984
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-MSD2

Sample Description: 10x

Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:38:19
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 128

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-MSD2.096
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	1458	550	37.7	0.005703	**12.1063**	ug/L
│	Se	78	3	341	133	39.1	0.001323	**24.4576**	ug/L
│	Se	77	1	105	37	35.8	0.000407	**24.8079**	ug/L
└>	Rh	103	269977	256335	3983	1.6	256335.070778		ug/L
	Br	79	3	404	120	29.6	400.842842		ug/L
	Cl	35	581	561	39	7.0	-20.001205		ug/L
	C	13	2904	2824	77	2.7	-80.025630		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.947
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-10RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:39:47
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 129

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-10RE1.097
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	911	353	38.7	0.003609	**7.6438**	ug/L
│	Se	78	3	66	27	40.0	0.000250	**4.6559**	ug/L
│	Se	77	1	22	5	21.6	0.000084	**5.0745**	ug/L
└>	Rh	103	269977	252615	1675	0.7	252615.127950		ug/L
	Br	79	3	405	102	25.1	401.676066		ug/L
	Cl	35	581	533	31	5.9	-48.336262		ug/L
	C	13	2904	2679	81	3.0	-225.069492		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	93.569
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-11RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:41:15
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 130

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-11RE1.098
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	709	281	39.7	0.002766	**5.8459**	ug/L
|	Se	78	3	73	20	27.9	0.000272	**5.0556**	ug/L
|	Se	77	1	22	7	29.5	0.000085	**5.1425**	ug/L
⌊>	Rh	103	269977	255935	942	0.4	255935.177414		ug/L
	Br	79	3	433	128	29.5	429.177553		ug/L
	Cl	35	581	559	15	2.7	-21.668022		ug/L
	C	13	2904	2677	30	1.1	-226.736856		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	94.799
	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: Friday, March 21, 2014 18:42:44
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CCV4.099
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	1297	541	41.7	0.004890	**1.0374**	ug/L
│	Se	78	3	150	63	41.9	0.000552	**1.0226**	ug/L
│	Se	77	1	44	18	40.3	0.000163	**0.9878**	ug/L
└>	Rh	103	269977	264307	3193	1.2	264306.662248		ug/L
	Br	79	3	21	7	34.6	17.500025		ug/L
	Cl	35	581	571	68	11.9	-10.000469		ug/L
	C	13	2904	2775	54	1.9	-129.207547		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	97.900
	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: Friday, March 21, 2014 18:44:12
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CCB4.100
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	3	2	62.4	0.000008	**-0.0033**	ug/L
|	Se	78	3	5	0	4.9	0.000008	**0.0192**	ug/L
|	Se	77	1	1	1	50.0	0.000001	**0.0015**	ug/L
⌊>	Rh	103	269977	264709	2899	1.1	264708.885053		ug/L
	Br	79	3	9	12	126.0	5.833342		ug/L
	Cl	35	581	523	29	5.6	-57.503466		ug/L
	C	13	2904	2774	63	2.3	-130.041093		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.049
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-12RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:45:41
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 131

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-12RE1.101
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	502	202	40.1	0.001989	**4.1899**	ug/L
│	Se	78	3	49	15	30.2	0.000180	**3.3617**	ug/L
│	Se	77	1	12	3	22.1	0.000046	**2.7512**	ug/L
└>	Rh	103	269977	253120	4693	1.9	253119.547276		ug/L
	Br	79	3	419	73	17.4	415.843192		ug/L
	Cl	35	581	523	22	4.2	-58.336861		ug/L
	C	13	2904	2586	121	4.7	-317.595978		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	93.756
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-DUP3

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:47:09
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 132

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-DUP3.102
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	525	195	37.2	0.002070	**4.3639**	ug/L
│	Se	78	3	55	19	34.4	0.000206	**3.8341**	ug/L
│	Se	77	1	15	4	29.6	0.000056	**3.3426**	ug/L
└>	Rh	103	269977	254786	6965	2.7	254786.075403		ug/L
	Br	79	3	404	88	21.8	400.842602		ug/L
	Cl	35	581	648	17	2.7	66.671177		ug/L
	C	13	2904	2793	48	1.7	-110.868621		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.373
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-MS3

Sample Description: 10x

Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:48:37
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 133

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-MS3.103
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	1219	392	32.1	0.004788	**10.1568**	ug/L
|	Se	78	3	336	132	39.4	0.001310	**24.2067**	ug/L
|	Se	77	1	94	33	35.7	0.000365	**22.2684**	ug/L
⌊>	Rh	103	269977	255484	4833	1.9	255484.383498		ug/L
	Br	79	3	404	120	29.8	400.842849		ug/L
	Cl	35	581	557	24	4.2	-24.168163		ug/L
	C	13	2904	2730	11	0.4	-173.387688		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	94.632
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-MSD3

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:50:05
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 134

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-MSD3.104
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	1252	504	40.3	0.004842	**10.2709**	ug/L
│	Se	78	3	322	128	39.7	0.001234	**22.8056**	ug/L
│	Se	77	1	94	38	40.6	0.000362	**22.0773**	ug/L
└>	Rh	103	269977	258694	1745	0.7	258694.219792		ug/L
	Br	79	3	396	107	27.0	392.509036		ug/L
	Cl	35	581	518	59	11.4	-62.503655		ug/L
	C	13	2904	2665	154	5.8	-238.406117		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	95.821
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-13RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:51:33
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 135

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-13RE1.105
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	1165	466	40.0	0.004594	**9.7437**	ug/L
│	Se	78	3	107	39	36.1	0.000410	**7.5945**	ug/L
│	Se	77	1	34	11	30.7	0.000133	**8.0701**	ug/L
└>	Rh	103	269977	253611	1488	0.6	253611.445047		ug/L
	Br	79	3	430	119	27.7	426.677356		ug/L
	Cl	35	581	597	69	11.5	15.834527		ug/L
	C	13	2904	2841	95	3.4	-62.520059		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	93.938
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-14RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:53:00
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 136

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-14RE1.106
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	808	297	36.8	0.003149	**6.6627**	ug/L
│	Se	78	3	67	29	43.4	0.000248	**4.6054**	ug/L
│	Se	77	1	21	7	35.5	0.000078	**4.6981**	ug/L
└>	Rh	103	269977	257262	6486	2.5	257261.620729		ug/L
	Br	79	3	388	121	31.2	385.008831		ug/L
	Cl	35	581	620	9	1.4	39.169251		ug/L
	C	13	2904	2746	96	3.5	-157.549252		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	95.290
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-15RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:54:28
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 137

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-15RE1.107
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	684	264	38.6	0.002668	**5.6381**	ug/L
|	Se	78	3	51	19	36.2	0.000188	**3.5101**	ug/L
|	Se	77	1	15	5	37.3	0.000055	**3.2694**	ug/L
⌊>	Rh	103	269977	257966	8098	3.1	257966.161419		ug/L
	Br	79	3	452	137	30.4	448.345243		ug/L
	Cl	35	581	551	33	5.9	-30.001833		ug/L
	C	13	2904	2717	143	5.3	-186.724273		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	95.551
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-16RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:55:56
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 138

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-16RE1.108
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	598	220	36.8	0.002313	**4.8816**	ug/L
|	Se	78	3	46	17	37.4	0.000165	**3.0792**	ug/L
|	Se	77	1	13	2	16.8	0.000049	**2.9234**	ug/L
⌊>	Rh	103	269977	258076	369	0.1	258076.082876		ug/L
	Br	79	3	353	98	27.8	349.173853		ug/L
	Cl	35	581	553	48	8.6	-28.335021		ug/L
	C	13	2904	2779	109	3.9	-125.039276		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	95.592
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-17RE1

Sample Description: 10x

Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 18:57:24
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 139

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-17RE1.109
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	3586	1367	38.1	0.013579	**28.8943**	ug/L
│	Se	78	3	11	0	2.4	0.000028	**0.5461**	ug/L
│	Se	77	1	4	1	32.7	0.000011	**0.5945**	ug/L
└>	Rh	103	269977	264394	1494	0.6	264393.863986		ug/L
	Br	79	3	52218	15024	28.8	52214.414550		ug/L
	Cl	35	581	608	48	7.8	26.668487		ug/L
	C	13	2904	2787	148	5.3	-116.703020		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	97.932
	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: Friday, March 21, 2014 18:58:53
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CCV5.110
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	1323	548	41.4	0.004955	**1.0513**	ug/L
|	Se	78	3	144	54	37.5	0.000529	**0.9798**	ug/L
|	Se	77	1	43	17	38.8	0.000160	**0.9714**	ug/L
⌊>	Rh	103	269977	267353	4060	1.5	267353.218415		ug/L
	Br	79	3	815	321	39.4	811.706980		ug/L
	Cl	35	581	590	33	5.6	9.167292		ug/L
	C	13	2904	2705	81	3.0	-198.394928		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	99.028
	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: Friday, March 21, 2014 19:00:21
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CCB5.111
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	5	2	40.0	0.000014	**-0.0020**	ug/L
|	Se	78	3	4	1	16.3	0.000001	**0.0056**	ug/L
|	Se	77	1	1	0	17.3	0.000001	**-0.0025**	ug/L
⌊>	Rh	103	269977	267078	3150	1.2	267077.560535		ug/L
	Br	79	3	192	45	23.7	188.335429		ug/L
	Cl	35	581	543	60	11.1	-37.502190		ug/L
	C	13	2904	2781	105	3.8	-122.538546		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.926
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-18RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:01:50
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 140

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-18RE1.112
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	3384	1373	40.6	0.013296	**28.2925**	ug/L
│	Se	78	3	15	4	26.3	0.000046	**0.8784**	ug/L
│	Se	77	1	5	1	26.1	0.000017	**0.9642**	ug/L
└>	Rh	103	269977	255521	4276	1.7	255521.047614		ug/L
	Br	79	3	30565	8067	26.4	30561.168647		ug/L
	Cl	35	581	606	23	3.8	25.001646		ug/L
	C	13	2904	2659	55	2.1	-245.075492		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.646
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-19RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:03:18
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 141

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-19RE1.113
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	3188	1268	39.8	0.012023	**25.5780**	ug/L
│	Se	78	3	9	2	25.8	0.000021	**0.4267**	ug/L
│	Se	77	1	3	1	27.7	0.000010	**0.5337**	ug/L
└>	Rh	103	269977	265124	387	0.1	265123.759186		ug/L
	Br	79	3	39428	10921	27.7	39424.662297		ug/L
	Cl	35	581	647	38	5.9	65.837826		ug/L
	C	13	2904	2702	64	2.4	-201.729342		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	98.202
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-20RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:04:46
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 142

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-20RE1.114
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	3043	1176	38.7	0.011424	**24.3010**	ug/L
|	Se	78	3	10	1	5.7	0.000023	**0.4677**	ug/L
|	Se	77	1	4	1	19.7	0.000011	**0.6249**	ug/L
⌊>	Rh	103	269977	266914	2680	1.0	266913.585878		ug/L
	Br	79	3	53124	15067	28.4	53120.520793		ug/L
	Cl	35	581	556	38	6.8	-25.001516		ug/L
	C	13	2904	2713	93	3.4	-190.892614		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.865
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-21RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:06:14
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 143

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-21RE1.115
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	3746	1456	38.9	0.014660	**31.1983**	ug/L
│	Se	78	3	15	4	24.5	0.000045	**0.8676**	ug/L
│	Se	77	1	5	2	39.0	0.000018	**1.0582**	ug/L
└>	Rh	103	269977	258439	10745	4.2	258439.407335		ug/L
	Br	79	3	38742	10509	27.1	38738.902545		ug/L
	Cl	35	581	606	32	5.2	25.001663		ug/L
	C	13	2904	2765	150	5.4	-139.209872		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	95.726
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-22RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:07:42
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 144

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-22RE1.116
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	3217	1266	39.4	0.012499	**26.5917**	ug/L
│	Se	78	3	11	3	27.0	0.000029	**0.5787**	ug/L
│	Se	77	1	5	2	39.3	0.000018	**1.0496**	ug/L
└>	Rh	103	269977	258359	4155	1.6	258358.711405		ug/L
	Br	79	3	35525	9587	27.0	35521.794334		ug/L
	Cl	35	581	563	28	4.9	-18.334464		ug/L
	C	13	2904	2686	41	1.5	-217.567458		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	95.697
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-23RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:09:09
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 145

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-23RE1.117
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	3800	1430	37.6	0.014703	**31.2897**	ug/L
│	Se	78	3	15	3	18.6	0.000047	**0.9061**	ug/L
│	Se	77	1	6	1	25.9	0.000019	**1.1226**	ug/L
└>	Rh	103	269977	260133	6740	2.6	260132.557031		ug/L
	Br	79	3	29538	7830	26.5	29534.312637		ug/L
	Cl	35	581	547	17	3.0	-34.168780		ug/L
	C	13	2904	2532	53	2.1	-371.778333		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	96.354
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-24RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:10:37
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 146

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408020-24RE1.118
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	2917	1167	40.0	0.010626	**22.6010**	ug/L
│	Se	78	3	9	2	18.7	0.000019	**0.3939**	ug/L
│	Se	77	1	2	1	41.8	0.000006	**0.3210**	ug/L
└>	Rh	103	269977	274827	1626	0.6	274827.390765		ug/L
	Br	79	3	40818	10611	26.0	40814.699576		ug/L
	Cl	35	581	553	14	2.5	-28.335098		ug/L
	C	13	2904	2805	110	3.9	-98.364415		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	101.797
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-DUP4

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:12:05
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 147

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-DUP4.119
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	2897	1131	39.0	0.010691	**22.7385**	ug/L
│	Se	78	3	10	2	19.0	0.000025	**0.4925**	ug/L
│	Se	77	1	3	1	18.9	0.000010	**0.5354**	ug/L
└>	Rh	103	269977	271887	4587	1.7	271887.421051		ug/L
	Br	79	3	46493	12884	27.7	46489.626890		ug/L
	Cl	35	581	667	17	2.6	85.839228		ug/L
	C	13	2904	3086	95	3.1	182.559820		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	100.708
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-MS4

Sample Description: 10x

Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:13:33
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 148

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-MS4.120
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	3463	1395	40.3	0.012971	**27.5987**	ug/L
│	Se	78	3	313	125	40.0	0.001160	**21.4385**	ug/L
│	Se	77	1	97	38	39.0	0.000363	**22.1063**	ug/L
└>	Rh	103	269977	267326	3003	1.1	267326.349983		ug/L
	Br	79	3	40501	10703	26.4	40497.523812		ug/L
	Cl	35	581	619	28	4.4	38.335886		ug/L
	C	13	2904	2821	73	2.6	-82.526427		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	99.018
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-MSD4

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:15:01
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 149

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-MSD4.121
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	3526	1355	38.4	0.013082	**27.8354**	ug/L
|	Se	78	3	310	113	36.4	0.001139	**21.0612**	ug/L
|	Se	77	1	95	38	40.0	0.000348	**21.2229**	ug/L
⌊>	Rh	103	269977	270212	3665	1.4	270211.618133		ug/L
	Br	79	3	37985	9784	25.8	37981.848292		ug/L
	Cl	35	581	509	23	4.4	-71.670950		ug/L
	C	13	2904	2647	141	5.3	-256.744946		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	100.087
	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: Friday, March 21, 2014 19:16:30
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CCV6.122
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	1398	540	38.6	0.005056	**1.0727**	ug/L
|	Se	78	3	161	65	40.6	0.000569	**1.0535**	ug/L
|	Se	77	1	48	16	33.1	0.000172	**1.0437**	ug/L
⌊>	Rh	103	269977	276320	4499	1.6	276319.736999		ug/L
	Br	79	3	978	267	27.3	975.055251		ug/L
	Cl	35	581	637	47	7.4	55.837149		ug/L
	C	13	2904	2958	151	5.1	54.184325		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	102.349
	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: Friday, March 21, 2014 19:17:58
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CCB6.123
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	5	1	12.4	0.000012	**-0.0023**	ug/L
|	Se	78	3	3	1	20.0	-0.000001	**0.0021**	ug/L
|	Se	77	1	1	0	34.6	0.000002	**0.0062**	ug/L
⌊>	Rh	103	269977	275017	2935	1.1	275016.525956		ug/L
	Br	79	3	337	67	19.9	333.339731		ug/L
	Cl	35	581	559	79	14.1	-21.667803		ug/L
	C	13	2904	2934	207	7.0	30.010558		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	101.867
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-01RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:19:27
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 150

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408011-01RE1.124
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	292	99	34.0	0.001068	**2.2269**	ug/L
|	Se	78	3	105	30	28.9	0.000372	**6.9041**	ug/L
|	Se	77	1	29	10	33.8	0.000106	**6.3996**	ug/L
⌊>	Rh	103	269977	271791	994	0.4	271791.409760		ug/L
	Br	79	3	280	31	11.2	276.671014		ug/L
	Cl	35	581	576	23	4.0	-5.000304		ug/L
	C	13	2904	2889	132	4.6	-15.004787		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	100.672
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-02RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:20:55
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 151

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408011-02RE1.125
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	117	38	32.7	0.000457	**0.9250**	ug/L
|	Se	78	3	150	60	40.3	0.000579	**10.7158**	ug/L
|	Se	77	1	43	11	26.0	0.000165	**10.0110**	ug/L
⌊>	Rh	103	269977	254391	1549	0.6	254391.120968		ug/L
	Br	79	3	177	4	2.2	173.335050		ug/L
	Cl	35	581	548	9	1.6	-33.335404		ug/L
	C	13	2904	2610	50	1.9	-294.256427		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	94.227
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-03RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:22:23
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 152

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408011-03RE1.126
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	316	118	37.2	0.001196	**2.5013**	ug/L
│	Se	78	3	101	28	27.7	0.000370	**6.8675**	ug/L
│	Se	77	1	28	11	39.3	0.000104	**6.2874**	ug/L
└>	Rh	103	269977	263541	2309	0.9	263540.558588		ug/L
	Br	79	3	163	30	18.5	160.001500		ug/L
	Cl	35	581	564	35	6.1	-16.667677		ug/L
	C	13	2904	2920	38	1.3	15.837815		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	97.616
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-04RE1

Sample Description: 10x

Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:23:51
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 153

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408011-04RE1.127
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	50	22	43.5	0.000194	**0.3655**	ug/L
│	Se	78	3	113	43	38.0	0.000442	**8.1878**	ug/L
│	Se	77	1	33	14	43.7	0.000130	**7.8991**	ug/L
└>	Rh	103	269977	250655	4986	2.0	250655.260755		ug/L
	Br	79	3	136	5	3.8	132.501015		ug/L
	Cl	35	581	553	74	13.4	-27.501518		ug/L
	C	13	2904	2795	106	3.8	-108.367522		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	92.843
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-05RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:25:18
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 154

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408011-05RE1.128
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	86	27	31.4	0.000324	**0.6410**	ug/L
│	Se	78	3	119	43	36.0	0.000440	**8.1549**	ug/L
│	Se	77	1	35	13	36.7	0.000130	**7.8924**	ug/L
└>	Rh	103	269977	262781	699	0.3	262780.522563		ug/L
	Br	79	3	151	52	34.5	147.501350		ug/L
	Cl	35	581	550	38	6.9	-30.835204		ug/L
	C	13	2904	2825	28	1.0	-79.192225		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: 1408011-06RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:26:46
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 155

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408011-06RE1.129
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	30	7	23.3	0.000113	**0.1917**	ug/L
│	Se	78	3	73	28	38.8	0.000275	**5.1136**	ug/L
│	Se	77	1	22	8	35.5	0.000084	**5.0508**	ug/L
└>	Rh	103	269977	254940	1972	0.8	254939.553176		ug/L
	Br	79	3	80	9	11.3	76.667021		ug/L
	Cl	35	581	522	44	8.4	-59.170189		ug/L
	C	13	2904	2700	106	3.9	-204.229822		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.430
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-07RE1

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:28:14
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 156

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408011-07RE1.130
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	348	139	40.0	0.001320	**2.7651**	ug/L
│	Se	78	3	134	49	36.3	0.000500	**9.2569**	ug/L
│	Se	77	1	40	11	26.5	0.000150	**9.1182**	ug/L
└>	Rh	103	269977	261480	3435	1.3	261480.050525		ug/L
	Br	79	3	173	38	21.7	169.168354		ug/L
	Cl	35	581	605	69	11.5	24.168415		ug/L
	C	13	2904	2996	83	2.8	92.529631		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	96.853
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408011-08RE1

Sample Description: 10x

Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:29:42
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 157

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\1408011-08RE1.131
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	94	23	24.6	0.000375	**0.7499**	ug/L
│	Se	78	3	87	31	35.0	0.000342	**6.3535**	ug/L
│	Se	77	1	27	10	35.4	0.000108	**6.5096**	ug/L
└>	Rh	103	269977	247787	6176	2.5	247787.018849		ug/L
	Br	79	3	102	14	14.0	98.333909		ug/L
	Cl	35	581	549	45	8.2	-31.668566		ug/L
	C	13	2904	2646	88	3.3	-257.578969		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	91.781
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-SRM3

Sample Description: 10x

Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:31:10
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 158

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-SRM3.132
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	5804	2288	39.4	0.022459	**47.8222**	ug/L
|	Se	78	3	346	132	38.2	0.001327	**24.5191**	ug/L
|	Se	77	1	103	40	38.4	0.000396	**24.1817**	ug/L
⌊>	Rh	103	269977	259437	4073	1.6	259437.088112		ug/L
	Br	79	3	328	91	27.8	325.006234		ug/L
	Cl	35	581	488	20	4.2	-92.505430		ug/L
	C	13	2904	2639	40	1.5	-265.081372		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.096
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140388-SRM4

Sample Description: 10x
Batch ID: B140388

Sample Date/Time: Friday, March 21, 2014 19:32:38
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 159

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\B140388-SRM4.133
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	52973	20125	38.0	0.207559	**442.3595**	ug/L
│	Se	78	3	962	353	36.6	0.003758	**69.3884**	ug/L
│	Se	77	1	294	106	36.1	0.001149	**70.1764**	ug/L
└>	Rh	103	269977	256440	4691	1.8	256439.846703		ug/L
	Br	79	3	1148	327	28.4	1145.076441		ug/L
	Cl	35	581	616	28	4.5	35.002327		ug/L
	C	13	2904	3064	8	0.3	160.051879		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	94.986
	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: Friday, March 21, 2014 19:34:07
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CCV7.134
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	1361	566	41.6	0.005112	**1.0848**	ug/L
|	Se	78	3	149	59	39.7	0.000549	**1.0176**	ug/L
|	Se	77	1	47	18	39.6	0.000173	**1.0532**	ug/L
⌊>	Rh	103	269977	266055	1810	0.7	266054.646768		ug/L
	Br	79	3	59	13	21.7	55.833531		ug/L
	Cl	35	581	566	49	8.7	-15.000862		ug/L
	C	13	2904	2892	115	4.0	-11.670546		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.547
	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: Friday, March 21, 2014 19:35:36
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-CCB7.135
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	10	3	34.6	0.000033	**0.0021**	ug/L
│	Se	78	3	8	2	21.5	0.000019	**0.0397**	ug/L
│	Se	77	1	2	0	24.1	0.000004	**0.0151**	ug/L
└>	Rh	103	269977	264174	4362	1.7	264174.033172		ug/L
	Br	79	3	38	9	22.9	35.000083		ug/L
	Cl	35	581	566	10	1.8	-15.000947		ug/L
	C	13	2904	2960	52	1.8	56.684402		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	97.851
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Friday, March 21, 2014 19:37:05
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\rinse.136
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	9	2	22.3	0.000030	**0.0159**	ug/L
│	Se	78	3	6	1	8.3	0.000011	**0.2332**	ug/L
│	Se	77	1	2	1	43.3	0.000005	**0.2479**	ug/L
└>	Rh	103	269977	264339	2925	1.1	264339.197005		ug/L
	Br	79	3	34	13	37.5	30.833403		ug/L
	Cl	35	581	547	19	3.5	-34.168777		ug/L
	C	13	2904	2725	93	3.4	-179.222461		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	97.912
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Friday, March 21, 2014 19:38:34
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\rinse.137
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	7	2	31.5	0.000023	**0.0001**	ug/L
│	Se	78	3	7	2	28.0	0.000013	**0.2717**	ug/L
│	Se	77	1	2	1	38.5	0.000006	**0.3099**	ug/L
└>	Rh	103	269977	262595	3855	1.5	262594.945740		ug/L
	Br	79	3	22	6	29.0	18.333360		ug/L
	Cl	35	581	646	28	4.4	65.004409		ug/L
	C	13	2904	3066	98	3.2	162.553071		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	97.266
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Friday, March 21, 2014 19:40:02
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\rinse.138
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	7	1	14.3	0.000022	**-0.0026**	ug/L
|	Se	78	3	6	1	12.2	0.000010	**0.2255**	ug/L
|	Se	77	1	1	0	10.8	0.000003	**0.0944**	ug/L
⌊>	Rh	103	269977	262566	1751	0.7	262566.219362		ug/L
	Br	79	3	24	7	29.9	20.833367		ug/L
	Cl	35	581	508	14	2.7	-72.504341		ug/L
	C	13	2904	2781	83	3.0	-122.538699		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	97.255
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Friday, March 21, 2014 19:41:30
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\rinse.139
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	8	4	45.1	0.000025	**0.0049**	ug/L
│	Se	78	3	6	1	15.4	0.000011	**0.2381**	ug/L
│	Se	77	1	2	1	50.0	0.000003	**0.1300**	ug/L
└>	Rh	103	269977	265427	1379	0.5	265426.635613		ug/L
	Br	79	3	23	14	59.0	20.000036		ug/L
	Cl	35	581	524	23	4.3	-56.670097		ug/L
	C	13	2904	2755	34	1.2	-149.213693		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	98.315
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Friday, March 21, 2014 19:42:59
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2014\03-14\1400231.sam
Method File: C:\Elandata\Method\2014\03-14\1400231-0062-icpms2-cce.mth
Dataset File: C:\Elandata\Dataset\Data\2014\03-14\1400231\rinse.140
Calibration File: C:\Elandata\System\2014\03-14\1400231.cal
Blank File: C:\Elandata\Dataset\Data\2014\03-14\1400231\SEQ-ICB1.052

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	1	6	3	50.0	0.000018	**-0.0104**	ug/L
│	Se	78	3	4	2	41.0	0.000004	**0.1163**	ug/L
│	Se	77	1	2	1	56.8	0.000004	**0.1751**	ug/L
└>	Rh	103	269977	260150	4021	1.5	260149.503945		ug/L
	Br	79	3	16	9	55.5	12.500016		ug/L
	Cl	35	581	538	19	3.5	-42.502608		ug/L
	C	13	2904	2732	18	0.7	-171.720513		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
┌	AsO	91	
│	Se	78	
│	Se	77	
└>	Rh	103	96.360
	Br	79	
	Cl	35	
	C	13	

ANALYSIS SEQUENCE

1400234

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400234-ICB1	1400234	QC	1		-			
1400234-CAL1	1400234	QC	2	1411038	-			
1400234-CAL2	1400234	QC	3	1411039	-			
1400234-CAL3	1400234	QC	4	1411040	-			
1400234-CAL4	1400234	QC	5	1411041	-			
1400234-CAL5	1400234	QC	6	1411042	-			
1400234-CAL6	1400234	QC	7	1411043	-			
1400234-CAL7	1400234	QC	8	1411044	-			
1400234-CAL8	1400234	QC	9	1411045	-			
1400234-ICB2	1400234	QC	10		-			
1400234-ICV1	1400234	QC	11	1341021	-			
1400234-ICB3	1400234	QC	12		-			
1400234-IBL1	1400234	QC	13		-			
1400234-IBL2	1400234	QC	14		-			
1400234-IBL3	1400234	QC	15		-			
1400234-IBL4	1400234	QC	16		-			
1400234-SCV1	1400234	QC	17	1346032	-			
1400234-SCV2	1400234	QC	18	1333002	-			
1400234-SCV3	1400234	QC	19	1352078	-			
1400234-CCV1	1400234	QC	20	1411041	-			
1400234-CCB1	1400234	QC	21		-			
B140456-BLK1	B140456	QC	22		-			
B140456-BLK2	B140456	QC	23		-			
B140456-BLK3	B140456	QC	24		-			
B140456-BLK4	B140456	QC	25		-			
B140456-BS1	B140456	QC	26		-			

ANALYSIS SEQUENCE

1400234

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140456-SRM1	B140456	QC	27		-			
B140456-SRM2	B140456	QC	28		-			
1400234-CCV2	1400234	QC	29	1411041	-			
1400234-CCB2	1400234	QC	30		-			
1408020-01RE2	B140456	200.8-Ag-B-HNO3-ICPMS	31			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
B140456-DUP1	B140456	QC	32		1408020-01RE2			
B140456-MS1	B140456	QC	33		1408020-01RE2			
B140456-MSD1	B140456	QC	34		1408020-01RE2			
1408020-02RE2	B140456	200.8-Ag-B-HNO3-ICPMS	35			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1408020-03RE2	B140456	200.8-Ag-B-HNO3-ICPMS	36			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1408020-04RE2	B140456	200.8-Ag-B-HNO3-ICPMS	37			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1408020-05RE2	B140456	200.8-Ag-B-HNO3-ICPMS	38			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1408020-06RE2	B140456	200.8-Ag-B-HNO3-ICPMS	39			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1400234-CCV3	1400234	QC	40	1411041	-			
1400234-CCB3	1400234	QC	41		-			
1408020-07RE2	B140456	200.8-Ag-B-HNO3-ICPMS	42			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1408020-08RE2	B140456	200.8-Ag-B-HNO3-ICPMS	43			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1408020-09RE2	B140456	200.8-Ag-B-HNO3-ICPMS	44			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
B140456-DUP2	B140456	QC	45		1408020-09RE2			
B140456-MS2	B140456	QC	46		1408020-09RE2			
B140456-MSD2	B140456	QC	47		1408020-09RE2			
1408020-10RE2	B140456	200.8-Ag-B-HNO3-ICPMS	48			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1408020-11RE2	B140456	200.8-Ag-B-HNO3-ICPMS	49			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1400234-CCV4	1400234	QC	50	1411041	-			
1400234-CCB4	1400234	QC	51		-			
1408020-12RE2	B140456	200.8-Ag-B-HNO3-ICPMS	52			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14

ANALYSIS SEQUENCE

1400234

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B140456-DUP3	B140456	QC	53		1408020-12RE2			
B140456-MS3	B140456	QC	54		1408020-12RE2			
B140456-MSD3	B140456	QC	55		1408020-12RE2			
1408020-13RE2	B140456	200.8-Ag-B-HNO3-ICPMS	56			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1408020-14RE2	B140456	200.8-Ag-B-HNO3-ICPMS	57			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1408020-15RE2	B140456	200.8-Ag-B-HNO3-ICPMS	58			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1408020-16RE2	B140456	200.8-Ag-B-HNO3-ICPMS	59			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1408020-17RE2	B140456	200.8-Ag-B-HNO3-ICPMS	60			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1408020-18RE2	B140456	200.8-Ag-B-HNO3-ICPMS	61			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1400234-CCV5	1400234	QC	62	1411041	-			
1400234-CCB5	1400234	QC	63		-			
1408020-19RE2	B140456	200.8-Ag-B-HNO3-ICPMS	64			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1408020-20RE2	B140456	200.8-Ag-B-HNO3-ICPMS	65			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1408020-21RE2	B140456	200.8-Ag-B-HNO3-ICPMS	66			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1408020-22RE2	B140456	200.8-Ag-B-HNO3-ICPMS	67			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1408020-23RE2	B140456	200.8-Ag-B-HNO3-ICPMS	68			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
1408020-24RE2	B140456	200.8-Ag-B-HNO3-ICPMS	69			ARD-MV1302	3/14/2014	From B140398 by A_R on 03/18/14
B140456-DUP4	B140456	QC	70		1408020-24RE2			
B140456-MS4	B140456	QC	71		1408020-24RE2			
B140456-MSD4	B140456	QC	72		1408020-24RE2			
1400234-CCV6	1400234	QC	73	1411041	-			
1400234-CCB6	1400234	QC	74		-			
1407034-18RE1	B140276	Cu-FW-Oven-ICPMS-Diss	75			SFE-OA1202	3/21/2014	Added 3/18/2014 by A_R
1407034-21RE1	B140276	Cu-FW-Oven-ICPMS-TR	76			SFE-OA1202	3/21/2014	Added 3/18/2014 by A_R
1407034-22RE1	B140276	Cu-FW-Oven-ICPMS-Diss	77			SFE-OA1202	3/21/2014	Added 3/18/2014 by A_R
1407034-25RE1	B140276	Cu-FW-Oven-ICPMS-TR	78			SFE-OA1202	3/21/2014	Added 3/18/2014 by A_R

ANALYSIS SEQUENCE

1400234

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1407034-25RE1	B140276	Cu-FW-Oven-ICPMS-Diss	78			SFE-OA1202	1/1/1980	Added 3/18/2014 by A_R
B140276-DUP4	B140276	QC	79		1407034-25RE1			
B140276-MS4	B140276	QC	80		1407034-25RE1			
B140276-MSD4	B140276	QC	81		1407034-25RE1			
1407034-26RE1	B140276	Cu-FW-Oven-ICPMS-Diss	82			SFE-OA1202	3/21/2014	Added 3/18/2014 by A_R
1400234-CCV7	1400234	QC	83	1411041	-			
1400234-CCB7	1400234	QC	84		-			
1407034-29RE1	B140276	Cu-FW-Oven-ICPMS-TR	85			SFE-OA1202	3/21/2014	Added 3/18/2014 by A_R
1407034-30RE1	B140276	Cu-FW-Oven-ICPMS-Diss	86			SFE-OA1202	3/21/2014	Added 3/18/2014 by A_R
1407034-33RE1	B140276	Cu-FW-Oven-ICPMS-TR	87			SFE-OA1202	3/21/2014	Added 3/18/2014 by A_R
1407034-34RE1	B140276	Cu-FW-Oven-ICPMS-Diss	88			SFE-OA1202	3/21/2014	Added 3/18/2014 by A_R
1407034-36RE1	B140276	Cu-FW-Oven-ICPMS-TR	89			SFE-OA1202	3/21/2014	Added 3/18/2014 by A_R
1407034-37RE1	B140276	Cu-FW-Oven-ICPMS-Diss	90			SFE-OA1202	3/21/2014	Added 3/18/2014 by A_R
1407034-40RE1	B140276	Cu-FW-Oven-ICPMS-TR	91			SFE-OA1202	3/21/2014	Added 3/18/2014 by A_R
1407034-41RE1	B140276	Cu-FW-Oven-ICPMS-Diss	92			SFE-OA1202	3/21/2014	Added 3/18/2014 by A_R
1400234-CCV8	1400234	QC	93	1411041	-			
1400234-CCB8	1400234	QC	94		-			
1407034-44RE1	B140276	Cu-FW-Oven-ICPMS-TR	95			SFE-OA1202	3/21/2014	Added 3/18/2014 by A_R
1407034-44RE1	B140276	Cu-FW-Oven-ICPMS-Diss	95			SFE-OA1202	1/1/1980	Added 3/18/2014 by A_R
B140276-DUP5	B140276	QC	96		1407034-44RE1			
B140276-MS5	B140276	QC	97		1407034-44RE1			
B140276-MSD5	B140276	QC	98		1407034-44RE1			
1407034-45RE1	B140276	Cu-FW-Oven-ICPMS-Diss	99			SFE-OA1202	3/21/2014	Added 3/18/2014 by A_R
1407034-46RE1	B140276	Cu-FW-Oven-ICPMS-Diss	100			SFE-OA1202	3/21/2014	Added 3/18/2014 by A_R
1407034-47RE1	B140276	Cu-FW-Oven-ICPMS-TR	101			SFE-OA1202	3/21/2014	Added 3/18/2014 by A_R
1407034-49RE1	B140276	Cu-FW-Oven-ICPMS-TR	102			SFE-OA1202	3/21/2014	Added 3/18/2014 by A_R

ANALYSIS SEQUENCE

1400234

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1400234-CCV9	1400234	QC	103	1411041	-			
1400234-CCB9	1400234	QC	104		-			
B140358-BLK1	B140358	QC	105		-			
B140358-BLK2	B140358	QC	106		-			
B140358-BLK3	B140358	QC	107		-			
B140358-BLK4	B140358	QC	108		-			
B140358-BS1	B140358	QC	109		-			
B140358-SRM1	B140358	QC	110		-			
B140358-SRM2	B140358	QC	111		-			
B140358-SRM3	B140358	QC	112		-			
1410012-02	B140358	Tl-FW-Oven-ICPMS-TR	113			AAL-DB1301	3/27/2014	
1410012-02	B140358	Cd-FW-Oven-ICPMS-TR	113			AAL-DB1301	3/27/2014	
1410012-02	B140358	Be-FW-Oven-ICPMS-TR	113			AAL-DB1301	3/27/2014	
1410012-02	B140358	Ag-FW-Oven-ICPMS-TR	113			AAL-DB1301	3/27/2014	
1410012-02	B140358	Sb-FW-Oven-ICPMS-TR	113			AAL-DB1301	3/27/2014	
1410012-02	B140358	Cu-FW-Oven-ICPMS-TR	113			AAL-DB1301	3/27/2014	
1410012-02	B140358	Zn-FW-Oven-ICPMS-TR	113			AAL-DB1301	3/27/2014	
1410012-02	B140358	Pb-FW-Oven-ICPMS-TR	113			AAL-DB1301	3/27/2014	
1409039-05	B140358	Cd-FW-Oven-ICPMS-TR	114			ENV-LA1401	3/25/2014	
1409039-05	B140358	Ag-FW-Oven-ICPMS-TR	114			ENV-LA1401	3/25/2014	
1409039-05	B140358	Cu-FW-Oven-ICPMS-TR	114			ENV-LA1401	3/25/2014	
1409039-05	B140358	Pb-FW-Oven-ICPMS-TR	114			ENV-LA1401	3/25/2014	
1409039-05	B140358	Zn-FW-Oven-ICPMS-TR	114			ENV-LA1401	3/25/2014	
1410027-07	B140358	Al-FW-Oven-ICPMS-Diss	115			EPR-PA1401	3/18/2014	
1410027-07	B140358	K-FW-Oven-ICPMS-Diss	115			EPR-PA1401	3/18/2014	
1410027-07	B140358	Cd-FW-Oven-ICPMS-Diss	115			EPR-PA1401	3/18/2014	

ANALYSIS SEQUENCE

1400234

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1410027-07	B140358	Na-FW-Oven-ICPMS-Diss	115			EPR-PA1401	3/18/2014	
1410027-07	B140358	Pb-FW-Oven-ICPMS-Diss	115			EPR-PA1401	3/18/2014	
1410027-07	B140358	Mg-FW-Oven-ICPMS-Diss	115			EPR-PA1401	3/18/2014	
1410027-07	B140358	Mn-FW-Oven-ICPMS-Diss	115			EPR-PA1401	3/18/2014	
1410027-07	B140358	Tl-FW-Oven-ICPMS-Diss	115			EPR-PA1401	3/18/2014	
1410027-07	B140358	Ca-FW-Oven-ICPMS-Diss	115			EPR-PA1401	3/18/2014	
1410027-07	B140358	Mo-FW-Oven-ICPMS-Diss	115			EPR-PA1401	3/18/2014	
1400234-CCVA	1400234	QC	116	1411041	-			
1400234-CCBA	1400234	QC	117		-			
1410011-01	B140358	Sb-FW-Oven-ICPMS-TR	118			AAL-DB1301	3/27/2014	
1410011-01	B140358	Mn-FW-Oven-ICPMS-TR	118			AAL-DB1301	1/1/1980	BatchQC
1410011-01	B140358	Mg-FW-Oven-ICPMS-TR	118			AAL-DB1301	1/1/1980	BatchQC
1410011-01	B140358	K-FW-Oven-ICPMS-TR	118			AAL-DB1301	1/1/1980	BatchQC
1410011-01	B140358	Al-FW-Oven-ICPMS-TR	118			AAL-DB1301	1/1/1980	BatchQC
1410011-01	B140358	Ag-FW-Oven-ICPMS-TR	118			AAL-DB1301	3/27/2014	
1410011-01	B140358	Pb-FW-Oven-ICPMS-TR	118			AAL-DB1301	3/27/2014	
1410011-01	B140358	Tl-FW-Oven-ICPMS-TR	118			AAL-DB1301	3/27/2014	
1410011-01	B140358	Pb-FW-Oven-ICPMS-Diss	118			AAL-DB1301	1/1/1980	BatchQC
1410011-01	B140358	Zn-FW-Oven-ICPMS-TR	118			AAL-DB1301	3/27/2014	
1410011-01	B140358	Mo-FW-Oven-ICPMS-TR	118			AAL-DB1301	1/1/1980	BatchQC
1410011-01	B140358	Cu-FW-Oven-ICPMS-TR	118			AAL-DB1301	3/27/2014	
1410011-01	B140358	Cd-FW-Oven-ICPMS-TR	118			AAL-DB1301	3/27/2014	
1410011-01	B140358	Be-FW-Oven-ICPMS-TR	118			AAL-DB1301	3/27/2014	
1410011-01	B140358	Ca-FW-Oven-ICPMS-TR	118			AAL-DB1301	1/1/1980	BatchQC
1410011-01	B140358	Cd-FW-Oven-ICPMS-Diss	118			AAL-DB1301	1/1/1980	BatchQC
1410011-01	B140358	Al-FW-Oven-ICPMS-Diss	118			AAL-DB1301	1/1/1980	BatchQC

ANALYSIS SEQUENCE

1400234

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1410011-01	B140358	Ca-FW-Oven-ICPMS-Diss	118			AAL-DB1301	1/1/1980	BatchQC
1410011-01	B140358	Mo-FW-Oven-ICPMS-Diss	118			AAL-DB1301	1/1/1980	BatchQC
1410011-01	B140358	Na-FW-Oven-ICPMS-Diss	118			AAL-DB1301	1/1/1980	BatchQC
1410011-01	B140358	Na-FW-Oven-ICPMS-TR	118			AAL-DB1301	1/1/1980	BatchQC
1410011-01	B140358	Tl-FW-Oven-ICPMS-Diss	118			AAL-DB1301	1/1/1980	BatchQC
1410011-01	B140358	Mn-FW-Oven-ICPMS-Diss	118			AAL-DB1301	1/1/1980	BatchQC
1410011-01	B140358	K-FW-Oven-ICPMS-Diss	118			AAL-DB1301	1/1/1980	BatchQC
1410011-01	B140358	Ni-FW-Oven-ICPMS-TR	118			AAL-DB1301	1/1/1980	BatchQC
1410011-01	B140358	Mg-FW-Oven-ICPMS-Diss	118			AAL-DB1301	1/1/1980	BatchQC
B140358-DUP1	B140358	QC	119		1410011-01			
B140358-MS1	B140358	QC	120		1410011-01			
B140358-MSD1	B140358	QC	121		1410011-01			
1410011-02	B140358	Cd-FW-Oven-ICPMS-TR	122			AAL-DB1301	3/27/2014	
1410011-02	B140358	Tl-FW-Oven-ICPMS-TR	122			AAL-DB1301	3/27/2014	
1410011-02	B140358	Sb-FW-Oven-ICPMS-TR	122			AAL-DB1301	3/27/2014	
1410011-02	B140358	Be-FW-Oven-ICPMS-TR	122			AAL-DB1301	3/27/2014	
1410011-02	B140358	Pb-FW-Oven-ICPMS-TR	122			AAL-DB1301	3/27/2014	
1410011-02	B140358	Zn-FW-Oven-ICPMS-TR	122			AAL-DB1301	3/27/2014	
1410011-02	B140358	Ag-FW-Oven-ICPMS-TR	122			AAL-DB1301	3/27/2014	
1410011-02	B140358	Cu-FW-Oven-ICPMS-TR	122			AAL-DB1301	3/27/2014	
1410012-01	B140358	Be-FW-Oven-ICPMS-TR	123			AAL-DB1301	3/27/2014	
1410012-01	B140358	Zn-FW-Oven-ICPMS-TR	123			AAL-DB1301	3/27/2014	
1410012-01	B140358	Ag-FW-Oven-ICPMS-TR	123			AAL-DB1301	3/27/2014	
1410012-01	B140358	Pb-FW-Oven-ICPMS-TR	123			AAL-DB1301	3/27/2014	
1410012-01	B140358	Sb-FW-Oven-ICPMS-TR	123			AAL-DB1301	3/27/2014	
1410012-01	B140358	Tl-FW-Oven-ICPMS-TR	123			AAL-DB1301	3/27/2014	

ANALYSIS SEQUENCE

1400234

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1410012-01	B140358	Cd-FW-Oven-ICPMS-TR	123			AAL-DB1301	3/27/2014	
1410012-01	B140358	Cu-FW-Oven-ICPMS-TR	123			AAL-DB1301	3/27/2014	
1410026-01	B140358	Pb-FW-Oven-ICPMS-TR	124			CHM-AT0901	3/18/2014	Historically CHM024
1410026-02	B140358	Pb-FW-Oven-ICPMS-Diss	125			CHM-AT0901	3/18/2014	Historically CHM024
1400234-CCVB	1400234	QC	126	1411041	-			
1400234-CCBB	1400234	QC	127		-			
1410026-03	B140358	Pb-FW-Oven-ICPMS-TR	128			CHM-AT0901	3/18/2014	Historically CHM024
1410026-04	B140358	Pb-FW-Oven-ICPMS-Diss	129			CHM-AT0901	3/18/2014	Historically CHM024
1409002-01	B140358	Zn-FW-Oven-ICPMS-TR	130			CIE-AK1302	3/18/2014	
1409002-01	B140358	Ni-FW-Oven-ICPMS-TR	130			CIE-AK1302	3/18/2014	
1409002-01	B140358	Cd-FW-Oven-ICPMS-TR	130			CIE-AK1302	3/18/2014	
1409027-01	B140358	Zn-FW-Oven-ICPMS-TR	131			CIE-AK1302	3/21/2014	
1409027-01	B140358	Cd-FW-Oven-ICPMS-TR	131			CIE-AK1302	3/21/2014	
1409027-01	B140358	Ni-FW-Oven-ICPMS-TR	131			CIE-AK1302	3/21/2014	
1409039-01	B140358	Zn-FW-Oven-ICPMS-TR	132			ENV-LA1401	3/25/2014	
1409039-01	B140358	Cd-FW-Oven-ICPMS-TR	132			ENV-LA1401	3/25/2014	
1409039-01	B140358	Cu-FW-Oven-ICPMS-TR	132			ENV-LA1401	3/25/2014	
1409039-01	B140358	Pb-FW-Oven-ICPMS-TR	132			ENV-LA1401	3/25/2014	
1409039-01	B140358	Ag-FW-Oven-ICPMS-TR	132			ENV-LA1401	3/25/2014	
1409039-02	B140358	Cd-FW-Oven-ICPMS-TR	133			ENV-LA1401	3/25/2014	
1409039-02	B140358	Ag-FW-Oven-ICPMS-TR	133			ENV-LA1401	3/25/2014	
1409039-02	B140358	Cu-FW-Oven-ICPMS-TR	133			ENV-LA1401	3/25/2014	
1409039-02	B140358	Pb-FW-Oven-ICPMS-TR	133			ENV-LA1401	3/25/2014	
1409039-02	B140358	Zn-FW-Oven-ICPMS-TR	133			ENV-LA1401	3/25/2014	
1409039-03	B140358	Cu-FW-Oven-ICPMS-TR	134			ENV-LA1401	3/25/2014	
1409039-03	B140358	Pb-FW-Oven-ICPMS-TR	134			ENV-LA1401	3/25/2014	

ANALYSIS SEQUENCE

1400234

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1409039-03	B140358	Zn-FW-Oven-ICPMS-TR	134			ENV-LA1401	3/25/2014	
1409039-03	B140358	Ag-FW-Oven-ICPMS-TR	134			ENV-LA1401	3/25/2014	
1409039-03	B140358	Cd-FW-Oven-ICPMS-TR	134			ENV-LA1401	3/25/2014	
1409039-04	B140358	Cu-FW-Oven-ICPMS-TR	135			ENV-LA1401	3/25/2014	
1409039-04	B140358	Ag-FW-Oven-ICPMS-TR	135			ENV-LA1401	3/25/2014	
1409039-04	B140358	Cd-FW-Oven-ICPMS-TR	135			ENV-LA1401	3/25/2014	
1409039-04	B140358	Zn-FW-Oven-ICPMS-TR	135			ENV-LA1401	3/25/2014	
1409039-04	B140358	Pb-FW-Oven-ICPMS-TR	135			ENV-LA1401	3/25/2014	
1400234-CCVC	1400234	QC	136	1411041	-			
1400234-CCBC	1400234	QC	137		-			
1410027-01	B140358	Pb-FW-Oven-ICPMS-TR	138			EPR-PA1401	3/18/2014	
1410027-01	B140358	Tl-FW-Oven-ICPMS-TR	138			EPR-PA1401	3/18/2014	
1410027-01	B140358	Tl-FW-Oven-ICPMS-Diss	138			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140358	Cu-FW-Oven-ICPMS-TR	138			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140358	Mg-FW-Oven-ICPMS-Diss	138			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140358	Na-FW-Oven-ICPMS-Diss	138			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140358	Mo-FW-Oven-ICPMS-Diss	138			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140358	Cd-FW-Oven-ICPMS-Diss	138			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140358	Ag-FW-Oven-ICPMS-TR	138			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140358	Be-FW-Oven-ICPMS-TR	138			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140358	Pb-FW-Oven-ICPMS-Diss	138			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140358	Sb-FW-Oven-ICPMS-TR	138			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140358	Mn-FW-Oven-ICPMS-Diss	138			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140358	Zn-FW-Oven-ICPMS-TR	138			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140358	Ni-FW-Oven-ICPMS-TR	138			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140358	Al-FW-Oven-ICPMS-Diss	138			EPR-PA1401	1/1/1980	BatchQC

ANALYSIS SEQUENCE

1400234

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1410027-01	B140358	Ca-FW-Oven-ICPMS-Diss	138			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140358	Cd-FW-Oven-ICPMS-TR	138			EPR-PA1401	3/18/2014	
1410027-01	B140358	K-FW-Oven-ICPMS-Diss	138			EPR-PA1401	1/1/1980	BatchQC
1410027-01	B140358	K-FW-Oven-ICPMS-TR	138			EPR-PA1401	3/18/2014	
1410027-01	B140358	Na-FW-Oven-ICPMS-TR	138			EPR-PA1401	3/18/2014	
1410027-01	B140358	Ca-FW-Oven-ICPMS-TR	138			EPR-PA1401	3/18/2014	
1410027-01	B140358	Al-FW-Oven-ICPMS-TR	138			EPR-PA1401	3/18/2014	
1410027-01	B140358	Mo-FW-Oven-ICPMS-TR	138			EPR-PA1401	3/18/2014	
1410027-01	B140358	Mg-FW-Oven-ICPMS-TR	138			EPR-PA1401	3/18/2014	
1410027-01	B140358	Mn-FW-Oven-ICPMS-TR	138			EPR-PA1401	3/18/2014	
B140358-DUP2	B140358	QC	139		1410027-01			
B140358-MS2	B140358	QC	140		1410027-01			
B140358-MSD2	B140358	QC	141		1410027-01			
1410027-06	B140358	Ca-FW-Oven-ICPMS-Diss	142			EPR-PA1401	3/18/2014	
1410027-06	B140358	Na-FW-Oven-ICPMS-Diss	142			EPR-PA1401	3/18/2014	
1410027-06	B140358	K-FW-Oven-ICPMS-Diss	142			EPR-PA1401	3/18/2014	
1410027-06	B140358	Pb-FW-Oven-ICPMS-Diss	142			EPR-PA1401	3/18/2014	
1410027-06	B140358	Tl-FW-Oven-ICPMS-Diss	142			EPR-PA1401	3/18/2014	
1410027-06	B140358	Mo-FW-Oven-ICPMS-Diss	142			EPR-PA1401	3/18/2014	
1410027-06	B140358	Mn-FW-Oven-ICPMS-Diss	142			EPR-PA1401	3/18/2014	
1410027-06	B140358	Mg-FW-Oven-ICPMS-Diss	142			EPR-PA1401	3/18/2014	
1410027-06	B140358	Al-FW-Oven-ICPMS-Diss	142			EPR-PA1401	3/18/2014	
1410027-06	B140358	Cd-FW-Oven-ICPMS-Diss	142			EPR-PA1401	3/18/2014	
1410027-14	B140358	Mo-FW-Oven-ICPMS-Diss	143			EPR-PA1401	3/18/2014	
1410027-14	B140358	Ca-FW-Oven-ICPMS-Diss	143			EPR-PA1401	3/18/2014	
1410027-14	B140358	Al-FW-Oven-ICPMS-Diss	143			EPR-PA1401	3/18/2014	

ANALYSIS SEQUENCE

1400234

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1410027-14	B140358	Na-FW-Oven-ICPMS-Diss	143			EPR-PA1401	3/18/2014	
1410027-14	B140358	Pb-FW-Oven-ICPMS-Diss	143			EPR-PA1401	3/18/2014	
1410027-14	B140358	Tl-FW-Oven-ICPMS-Diss	143			EPR-PA1401	3/18/2014	
1410027-14	B140358	Cd-FW-Oven-ICPMS-Diss	143			EPR-PA1401	3/18/2014	
1410027-14	B140358	K-FW-Oven-ICPMS-Diss	143			EPR-PA1401	3/18/2014	
1410027-14	B140358	Mg-FW-Oven-ICPMS-Diss	143			EPR-PA1401	3/18/2014	
1410027-14	B140358	Mn-FW-Oven-ICPMS-Diss	143			EPR-PA1401	3/18/2014	
1400234-CCVD	1400234	QC	144	1411041	-			
1400234-CCBD	1400234	QC	145		-			
1410027-01RE1	B140358	Na-FW-Oven-ICPMS-TR	146			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Pb-FW-Oven-ICPMS-TR	146			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Mg-FW-Oven-ICPMS-TR	146			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Cu-FW-Oven-ICPMS-TR	146			EPR-PA1401	1/1/1980	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Cd-FW-Oven-ICPMS-Diss	146			EPR-PA1401	1/1/1980	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Tl-FW-Oven-ICPMS-TR	146			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Al-FW-Oven-ICPMS-Diss	146			EPR-PA1401	1/1/1980	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Zn-FW-Oven-ICPMS-TR	146			EPR-PA1401	1/1/1980	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Tl-FW-Oven-ICPMS-Diss	146			EPR-PA1401	1/1/1980	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Sb-FW-Oven-ICPMS-TR	146			EPR-PA1401	1/1/1980	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Pb-FW-Oven-ICPMS-Diss	146			EPR-PA1401	1/1/1980	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Ni-FW-Oven-ICPMS-TR	146			EPR-PA1401	1/1/1980	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Mg-FW-Oven-ICPMS-Diss	146			EPR-PA1401	1/1/1980	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Na-FW-Oven-ICPMS-Diss	146			EPR-PA1401	1/1/1980	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Mo-FW-Oven-ICPMS-Diss	146			EPR-PA1401	1/1/1980	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Ag-FW-Oven-ICPMS-TR	146			EPR-PA1401	1/1/1980	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Mn-FW-Oven-ICPMS-Diss	146			EPR-PA1401	1/1/1980	Added 3/21/2014 by A_R

ANALYSIS SEQUENCE

1400234

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1410027-01RE1	B140358	Mo-FW-Oven-ICPMS-TR	146			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Mn-FW-Oven-ICPMS-TR	146			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Al-FW-Oven-ICPMS-TR	146			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Ca-FW-Oven-ICPMS-Diss	146			EPR-PA1401	1/1/1980	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Be-FW-Oven-ICPMS-TR	146			EPR-PA1401	1/1/1980	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Ca-FW-Oven-ICPMS-TR	146			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-01RE1	B140358	Cd-FW-Oven-ICPMS-TR	146			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-01RE1	B140358	K-FW-Oven-ICPMS-TR	146			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-01RE1	B140358	K-FW-Oven-ICPMS-Diss	146			EPR-PA1401	1/1/1980	Added 3/21/2014 by A_R
B140358-DUP3	B140358	QC	147		1410027-01RE1			
B140358-MS3	B140358	QC	148		1410027-01RE1			
B140358-MSD3	B140358	QC	149		1410027-01RE1			
1410027-06RE1	B140358	K-FW-Oven-ICPMS-Diss	150			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-06RE1	B140358	Ca-FW-Oven-ICPMS-Diss	150			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-06RE1	B140358	Cd-FW-Oven-ICPMS-Diss	150			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-06RE1	B140358	Mg-FW-Oven-ICPMS-Diss	150			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-06RE1	B140358	Pb-FW-Oven-ICPMS-Diss	150			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-06RE1	B140358	Na-FW-Oven-ICPMS-Diss	150			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-06RE1	B140358	Mo-FW-Oven-ICPMS-Diss	150			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-06RE1	B140358	Mn-FW-Oven-ICPMS-Diss	150			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-06RE1	B140358	Al-FW-Oven-ICPMS-Diss	150			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-06RE1	B140358	Tl-FW-Oven-ICPMS-Diss	150			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-14RE1	B140358	Mg-FW-Oven-ICPMS-Diss	151			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-14RE1	B140358	Mo-FW-Oven-ICPMS-Diss	151			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-14RE1	B140358	Na-FW-Oven-ICPMS-Diss	151			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-14RE1	B140358	Pb-FW-Oven-ICPMS-Diss	151			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R

ANALYSIS SEQUENCE

1400234

Brooks Rand Labs

Instrument: ICP-MS-3

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1410027-14RE1	B140358	K-FW-Oven-ICPMS-Diss	151			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-14RE1	B140358	Cd-FW-Oven-ICPMS-Diss	151			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-14RE1	B140358	Mn-FW-Oven-ICPMS-Diss	151			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-14RE1	B140358	Al-FW-Oven-ICPMS-Diss	151			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-14RE1	B140358	Ca-FW-Oven-ICPMS-Diss	151			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1410027-14RE1	B140358	Tl-FW-Oven-ICPMS-Diss	151			EPR-PA1401	3/18/2014	Added 3/21/2014 by A_R
1400234-CCVE	1400234	QC	152	1411042	-			
1400234-CCBE	1400234	QC	153		-			

ICP-MS Analysis Benchsheet Batch No: Blanks, B140456, 0276, 0358

BR-0060 standard mode

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

Analyst: AR Date: 3/20/2014

Instrument ID: ICP-MS-3 cHNO3 ID: 1406035 cHCl ID: NA

Calibration recorded in LIMS Int Std: 1412031 SEQ: 1400234

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 1643e 1346032; 1323040
106		SEQ-SCV2	5x	M	Hardness 1333002; 1333005
107		SEQ-SCV3			Fe-Ca check 1352078; 1352079
108		1410027-01test	1000x	M	
10		rinse			
109		TM-2			
110		TM-3			
111		SC-1			
112		SC-2			
113		BWR-1 (uncovered sir			
114		BWR-2 (SH-04)			
115		BWR-3 (SH-03)			
116		Prep Island			
117		14-0046-DIW			
118		14-0046-01			
119		14-0047-01			
120		14-0047-02			
121		14-0047-03			
122		14-0047-04			
123		14-0047-05			
124		14-0047-06			

125		14-0047-07			
126		14-0047-08			
127		14-0047-09			
128		14-0047-10			
129		14-0047-11			
130		14-0047-12			
131		14-0047-13			
132		14-0047-14			
133		14-0047-15			
134		14-0047-16			
2		SEQ-CCV1			1411041
1		SEQ-CCB1			
135	B140456	B140456-BLK1	10x	M	
136	B140456	B140456-BLK2	10x	M	
137	B140456	B140456-BLK3	10x	M	
138	B140456	B140456-BLK4	10x	M	
139	B140456	B140456-BS1	10x	M	
140	B140456	B140456-SRM1	10x	M	
141	B140456	B140456-SRM2	10x	M	
2		SEQ-CCV2			1411041
1		SEQ-CCB2			
142	B140456	1408020-01RE2	10x	M	
143	B140456	B140456-DUP1	10x	M	
144	B140456	B140456-MS1	10x	M	
145	B140456	B140456-MSD1	10x	M	
146	B140456	1408020-02RE2	10x	M	
147	B140456	1408020-03RE2	10x	M	
148	B140456	1408020-04RE2	10x	M	
149	B140456	1408020-05RE2	10x	M	
150	B140456	1408020-06RE2	10x	M	
2		SEQ-CCV3			1411041
1		SEQ-CCB3			
151	B140456	1408020-07RE2	10x	M	
152	B140456	1408020-08RE2	10x	M	
153	B140456	1408020-09RE2	10x	M	
154	B140456	B140456-DUP2	10x	M	
155	B140456	B140456-MS2	10x	M	
156	B140456	B140456-MSD2	10x	M	
157	B140456	1408020-10RE2	10x	M	
158	B140456	1408020-11RE2	10x	M	
2		SEQ-CCV4			1411041
1		SEQ-CCB4			
159	B140456	1408020-12RE2	10x	M	
160	B140456	B140456-DUP3	10x	M	
201	B140456	B140456-MS3	10x	M	
202	B140456	B140456-MSD3	10x	M	
203	B140456	1408020-13RE2	10x	M	
204	B140456	1408020-14RE2	10x	M	
205	B140456	1408020-15RE2	10x	M	
206	B140456	1408020-16RE2	10x	M	
207	B140456	1408020-17RE2	10x	M	
208	B140456	1408020-18RE2	10x	M	

2		SEQ-CCV5			1411041
1		SEQ-CCB5			
209	B140456	1408020-19RE2	10x	M	
210	B140456	1408020-20RE2	10x	M	
211	B140456	1408020-21RE2	10x	M	
212	B140456	1408020-22RE2	10x	M	
213	B140456	1408020-23RE2	10x	M	
214	B140456	1408020-24RE2	10x	M	
215	B140456	B140456-DUP4	10x	M	
216	B140456	B140456-MS4	10x	M	
217	B140456	B140456-MSD4	10x	M	
2		SEQ-CCV6			1411041
1		SEQ-CCB6			
218	B140276	1407034-18RE1	5x	M	
219	B140276	1407034-21RE1	5x	M	
220	B140276	1407034-22RE1	5x	M	
221	B140276	1407034-25RE1	5x	M	
222	B140276	B140276-DUP4	5x	M	1407034-25RE1
223	B140276	B140276-MS4	5x	M	25µL 1351041 to 5mL
224	B140276	B140276-MSD4	5x	M	25µL 1351041 to 5mL
225	B140276	1407034-26RE1	5x	M	
2		SEQ-CCV7			1411041
1		SEQ-CCB7			
226	B140276	1407034-29RE1	5x	M	
227	B140276	1407034-30RE1	5x	M	
228	B140276	1407034-33RE1	5x	M	
229	B140276	1407034-34RE1	5x	M	
230	B140276	1407034-36RE1	5x	M	
231	B140276	1407034-37RE1	5x	M	
232	B140276	1407034-40RE1	5x	M	
233	B140276	1407034-41RE1	5x	M	
2		SEQ-CCV8			1411041
1		SEQ-CCB8			
234	B140276	1407034-44RE1	5x	M	
235	B140276	B140276-DUP5	5x	M	1407034-44RE1
236	B140276	B140276-MS5	5x	M	25µL 1351041 to 5mL
237	B140276	B140276-MSD5	5x	M	25µL 1351041 to 5mL
238	B140276	1407034-45RE1	5x	M	
239	B140276	1407034-46RE1	5x	M	
240	B140276	1407034-47RE1	5x	M	
241	B140276	1407034-49RE1	5x	M	
5		SEQ-CCV9			1411041
10		SEQ-CCB9			
242	B140358	B140358-BLK1			
243	B140358	B140358-BLK2			
244	B140358	B140358-BLK3			
245	B140358	B140358-BLK4			
246	B140358	B140358-BS1			
247	B140358	1410012-02			Field Blank
248	B140358	1409039-05			Equip. Blank
249	B140358	1410027-07			Field Blank
5		SEQ-CCVA			1411041

10		SEQ-CCBA			
250	B140358	1410011-01			
251	B140358	B140358-DUP1			
252	B140358	B140358-MS1			50µL 1411037 to 5mL
253	B140358	B140358-MSD1			50µL 1411037 to 5mL
254	B140358	1410011-02			
255	B140358	1410012-01			
256	B140358	1410026-01			
257	B140358	1410026-02			
5		SEQ-CCVB			1411041
10		SEQ-CCBB			
258	B140358	1410026-03			
259	B140358	1410026-04			
260	B140358	1409002-01			
301	B140358	1409027-01			
302	B140358	1409039-01			
303	B140358	1409039-02			
304	B140358	1409039-03			
305	B140358	1409039-04			
5		SEQ-CCVC			1411041
10		SEQ-CCBC			
306	B140358	1410027-01	5000x	M	Serial Dilution: 50x ---> 100x
307	B140358	B140358-DUP2	5000x	M	Serial Dilution: 50x ---> 100x
308	B140358	B140358-MS2	5000x	M	100µL 1412057 to 5mL
309	B140358	B140358-MSD2	5000x	M	100µL 1412057 to 5mL
310	B140358	1410027-06	5000x	M	Serial Dilution: 50x ---> 100x
311	B140358	1410027-14	5000x	M	Serial Dilution: 50x ---> 100x
5		SEQ-CCVD			1411041
10		SEQ-CCBD			
312	B140358	1410027-01RE1	50x	M	
313	B140358	B140358-DUP3	50x	M	
314	B140358	B140358-MS3	50x	M	100µL 1412058 to 5mL
315	B140358	B140358-MSD3	50x	M	100µL 1412058 to 5mL
316	B140358	1410027-06RE1	50x	M	
317	B140358	1410027-14RE1	50x	M	
3020		SEQ-CCVE			1411042
10		SEQ-CCBE			
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 #: B140292, 295, 357, 397, 486 Prepared By: NH Preparation Date and Time*: 3-8-14 11:20

Matrix: Biota Balance ID: BL-03 Date and Time of Finished Preparation: 3-10-14 10:11

* Time is when the first reagents are added.

Sample ID	Sample Mass (g)	Notes
BLK1	---	
BLK2	---	
BLK3	---	
BLK4	---	
BS1	---	
3-7-14 NH ~~BS2~~		
SRM1	0.247	
SRM2	0.251	
1408020-01	0.519	
B140292-DUP1	0.518	1408020-01
-MS1	0.500	
-MSD1	0.514	
1408020-02	0.506	
-03	0.524	
-04	0.528	
-05	0.512	
-06	0.520	
-07	0.525	
-08	0.511	
-09	0.501	
B140292 3-7-14 NH ~~B1408020~~ DUP2	0.506	1408020-09
B140292-MS2	0.501	
-MSD2	0.524	
1408020-10	0.520	

Sample ID	Sample Mass (g)	Notes
1408020-11	0.509	
-12	0.497	
B140292-DUP3	0.492	1408020-12
-MS3	0.493	
-MSD3	0.521	
1408020-13	0.521	
-14	0.496	
-15	0.525	
~~B140292-DUP4~~	~~0.504~~	~~1408020-15~~
~~-MS4~~	~~0.511~~	3-7-14 NH
~~-MSD4~~	~~0.509~~	
1408020-16	0.497	
-17	0.534	
-18	0.495	
-19	0.509	
-20	0.535	
-21	0.499	
-22	0.491	
-23	0.497	
-24	0.517	
B140292-DUP4	0.524	1408020-24
-MS4	0.508	
-MSD4	0.502	
1408011-01	0.507	Sample exhausted

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
SET	ATTACHED			N/A
CLE	3/11/14			digested/spiked on Sat no one else was in the lab 3-10-14 NH

Reagents Added (ID/Amount Added)
0.1mL H2O2 1350057
10mL HNO3 1406040

Target Hotblock Temperature = 100 °C
HotBlock Temperature*, Time On / Time Off, Date
100°C 102°C 11:40 3-8-14
15:10 3-8-14

Therm. ID: TH-05 TH-01 Hotblock ID: HB-02 HB-01
* Both measured and corrected temperatures must be recorded.

Environ. Express tube lot #: 1308077

Final Dilution Volume 40 mL

SRM-Matrix-LIMS ID #
SRM 1/3 DORM-4 1329003
SRM 2/4 TORT-3 1327017

Comments:

Trace Metals Method BR-0070 Rev 003 6 (ICP-MS)

Biota Preparation by HotBlock Digestion

Digestion by: HNO_3 / H_2O_2

Batch #: B140292, 456
B140295
B140357
B140397 IDOC

Sample ID	Sample Mass (g)	Notes
1408011-02	0.510	
-03	0.558	Sample exhausted
-04	0.491	
B140292-DUP5	0.484	Hg Only
1408011-05	0.540	Sample exhausted
-06	0.301	
-07	0.536	
-08	0.531	Sample exhausted
B140292-MS5	0.537	Hg Only
-MSD5	0.558	
1402033-04REC	0.496	
MDL-1		
-2		
-3		
-4		
-5		
-6		
-7		
-8		
LOQ-1		
-2		
-3		
-4		
LOD-1		
-2		
-3		
SRM-3	0.256	DORM-4
SRM-4	0.258	TORT-3

Sample ID	Sample Mass (g)	Notes

B140292, 0295, 0357
biotas

Samples spiked: BS1, MS/D1-4

Spike mix ID: 1411016

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
Al	8.000	40.000	0.4000	1000	1410046
As DRC	0.400	2.000	0.2000	**100**	1347037
Ba	1.600	8.000	0.8000	**100**	1338018
Be	0.900	4.500	0.4500	**100**	1338020
Cd	0.200	1.000	0.1000	**100**	1338023
Co	1.600	8.000	0.8000	**100**	1351036
Cr DRC	1.500	7.500	0.7500	**100**	1351038
Cu	1.600	8.000	0.8000	**100**	1351040
Fe DRC	50.000	250.000	0.2500	**10000**	1345003
Mn	0.400	2.000	0.2000	**100**	1351046
Mo	0.300	1.500	0.1500	**100**	1351048
Pb	0.400	2.000	0.2000	**100**	1351050
Se DRC	1.500	7.500	0.7500	**100**	1338030
Tl	0.080	0.400	0.4000	**10**	1410013
V DRC	1.800	9.000	0.9000	**100**	1338035
Zn	10.000	50.000	0.5000	1000	1351031

3.714 µL Add ~~2.35mL~~ 2% HNO3 2.1 mL 2% HNO3

Fake spike ID: 1411017

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

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

Hg spike: 0.100 mL of 1350014 (1000 µg/mL THg)
BS2, MS/MSD5

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\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026
Tuning File: C:\NexIONData\MassCal\Default.tun
Optimization File: C:\NexIONData\Conditions\Default.dac
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026
Calibration File: C:\NexIONData\System\2014\03-14\1400234.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	0.999332	0.150000
	Be	9	Weighted Linear	0.001	0.000	0.998676	0.150000
	B	11	Weighted Linear	0.002	0.000	0.998219	2.000000
	Na	23	Weighted Linear	0.016	0.024	0.999171	15.000000
	Mg	24	Weighted Linear	0.010	0.017	0.999499	15.000000
	Al	27	Weighted Linear	0.014	0.002	0.999889	1.500000
	K	39	Weighted Linear	0.021	0.029	0.999455	15.000000
	Ca	44	Weighted Linear	0.001	0.001	0.999088	30.000000
>	Sc	45	Weighted Linear				
	Ti	47	Weighted Linear	0.001	0.000	0.999780	0.200000
	Ti	48	Weighted Linear	0.014	-0.000	0.998975	0.200000
	V	51	Weighted Linear	0.017	-0.000	0.999777	0.150000
	Cr	52	Weighted Linear	0.014	-0.000	0.998079	0.150000
	Cr	53	Weighted Linear	0.002	0.000	0.999050	0.150000
	Mn	55	Weighted Linear	0.019	0.000	0.998228	0.060000
	Fe	54	Weighted Linear	0.001	-0.005	0.996414	5.000000
	Fe	57	Weighted Linear	0.000	-0.000	0.997622	5.000000
	Co	59	Weighted Linear	0.017	0.000	0.998665	0.100000
	Ni	60	Weighted Linear	0.004	0.000	0.997944	0.200000
	Ni	62	Weighted Linear	0.001	-0.000	0.998996	0.200000
	Cu	65	Weighted Linear	0.004	0.000	0.999623	0.120000
	Cu	63	Weighted Linear	0.009	0.000	0.999625	0.120000
	Zn	66	Weighted Linear	0.002	0.000	0.999771	0.200000
	Zn	68	Weighted Linear	0.001	-0.000	0.999851	0.200000
>	Ge	74	Weighted Linear				
	As	75	Weighted Linear	0.002	0.000	0.999726	0.270000
	Se	77	Weighted Linear	0.000	-0.000	0.998000	0.500000
	Se	82	Weighted Linear	0.000	0.000	0.998464	0.500000
	Sr	88	Weighted Linear	0.030	0.000	0.995273	0.050000
	Mo	98	Weighted Linear	0.009	0.000	0.996064	0.030000
	Ag	107	Weighted Linear	0.019	0.000	0.997291	0.020000
	Ag	109	Weighted Linear	0.018	0.000	0.998983	0.020000
	Cd	111	Weighted Linear	0.004	0.000	0.999669	0.020000
	Cd	114	Weighted Linear	0.009	0.000	0.999568	0.020000
>	In	115	Weighted Linear				
	Sn	120	Weighted Linear	0.016	-0.000	0.999940	0.150000
	Sb	121	Weighted Linear	0.011	-0.000	0.999743	0.020000
	Ba	138	Weighted Linear	0.035	0.000	0.999581	0.050000
>	Tm	169	Weighted Linear				

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Tl	205	Weighted Linear	0.033	0.000	0.998440	0.010000
Pb	208	Weighted Linear	0.044	0.000	0.998086	0.025000
Bi	209	Weighted Linear	0.034	0.000	0.996576	0.050000
Th	232	Weighted Linear	0.044	0.000	0.998536	0.020000
U	238	Weighted Linear	0.045	0.000	0.998429	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: Thursday, March 20, 2014 15:08:43
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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		39	4	10.8			ug/L
ê	Be	9		2	2	100.0			ug/L
ê	B	11		1620	74	4.5			ug/L
ê	Na	23		5158	107	2.1			ug/L
ê	Mg	24		306	16	5.3			ug/L
ê	Al	27		1330	186	14.0			ug/L
ê	K	39		590550	3238	0.5			ug/L
ê	Ca	44		3613	29	0.8			ug/L
ê>	Sc	45		1151382	17110	1.5			ug/L
ê	Ti	47		24	5	22.0			ug/L
ê	Ti	48		-161	26	15.9			ug/L
ê	V	51		27	5	19.2			ug/L
ê	Cr	52		13490	104	0.8			ug/L
ê	Cr	53		52	10	19.6			ug/L
ê	Mn	55		671	25	3.7			ug/L
ê	Fe	54		139906	3784	2.7			ug/L
ê	Fe	57		12378	193	1.6			ug/L
ê	Co	59		48	10	21.5			ug/L
ê	Ni	60		38	6	16.0			ug/L
ë	Ni	62		79	9	11.0			ug/L
é	Cu	65		8	2	18.3			ug/L
ê	Cu	63		22	3	12.0			ug/L
ê	Zn	66		35	4	10.7			ug/L
ê	Zn	68		430	8	1.8			ug/L
ê>	Ge	74		1063337	2186	0.2			ug/L
ë	As	75		-210	22	10.5			ug/L
é	Se	77		121	6	4.7			ug/L
ê	Se	82		-1	2	317.5			ug/L
ê	Sr	88		163	13	7.8			ug/L
ê	Mo	98		17	2	14.4			ug/L
ê	Ag	107		8	3	30.2			ug/L
ê	Ag	109		8	2	27.2			ug/L
ê	Cd	111		2	2	124.9			ug/L
ê	Cd	114		28	2	7.5			ug/L
ê>	In	115		1048196	6676	0.6			ug/L
ê	Sn	120		421	35	8.3			ug/L

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ê	Sb	121	10	2	21.5	ug/L
ë	Ba	138	37	7	19.4	ug/L
é>	Tm	169	958365	10993	1.1	ug/L
ê	Tl	205	4	2	35.3	ug/L
ê	Pb	208	25	8	32.8	ug/L
ê	Bi	209	9	2	24.7	ug/L
ê	Th	232	34	12	35.7	ug/L
ë	U	238	0	1	173.2	ug/L
	C	13	31434	279	0.9	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	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 15:13:04
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2020

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CAL1.027
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	1580	44	2.8	0.001326	**0.1493**	ug/L
ê	Be	9	2	267	10	3.8	0.000228	**0.1473**	ug/L
ê	B	11	1620	6240	206	3.3	0.003964	**2.0137**	ug/L
ê	Na	23	5158	304624	7340	2.4	0.257739	**14.8774**	ug/L
ê	Mg	24	306	194568	3120	1.6	0.167222	**14.8559**	ug/L
ê	Al	27	1330	27912	629	2.3	0.022869	**1.4933**	ug/L
ê	K	39	590550	994098	3104	0.3	0.342992	**14.9059**	ug/L
ê	Ca	44	3613	25775	529	2.1	0.019051	**29.9206**	ug/L
ê>	Sc	45	1151382	1161894	28530	2.5	1161894.042030		ug/L
ê	Ti	47	24	373	15	4.1	0.000300	**0.2005**	ug/L
ê	Ti	48	-161	3030	102	3.4	0.002747	**0.1963**	ug/L
ê	V	51	27	2959	63	2.1	0.002524	**0.1493**	ug/L
ê	Cr	52	13490	15784	351	2.2	0.001870	**0.1493**	ug/L
ê	Cr	53	52	347	3	0.9	0.000254	**0.1475**	ug/L
ê	Mn	55	671	2072	56	2.7	0.001202	**0.0589**	ug/L
ê	Fe	54	139906	141712	1942	1.4	0.000480	**4.9902**	ug/L
ê	Fe	57	12378	14399	93	0.6	0.001646	**4.8543**	ug/L
ê	Co	59	48	2094	56	2.7	0.001761	**0.0983**	ug/L
ê	Ni	60	38	948	6	0.6	0.000783	**0.1933**	ug/L
ë	Ni	62	79	202	1	0.3	0.000105	**0.1984**	ug/L
é	Cu	65	8	554	12	2.2	0.000522	**0.1220**	ug/L
ê	Cu	63	22	1198	25	2.1	0.001125	**0.1194**	ug/L
ê	Zn	66	35	432	29	6.7	0.000381	**0.1983**	ug/L
ê	Zn	68	430	656	50	7.6	0.000223	**0.2010**	ug/L
ê>	Ge	74	1063337	1045259	15307	1.5	1045259.147168		ug/L
ë	As	75	-210	492	74	15.1	0.000668	**0.2739**	ug/L
é	Se	77	121	178	17	9.3	0.000058	**0.4726**	ug/L
ê	Se	82	-1	135	17	12.7	0.000132	**0.5009**	ug/L
ê	Sr	88	163	1895	61	3.2	0.001687	**0.0487**	ug/L
ê	Mo	98	17	290	27	9.2	0.000265	**0.0291**	ug/L
ê	Ag	107	8	429	11	2.5	0.000409	**0.0197**	ug/L
ê	Ag	109	8	402	21	5.3	0.000383	**0.0200**	ug/L
ê	Cd	111	2	80	7	9.0	0.000076	**0.0198**	ug/L
ê	Cd	114	28	220	20	9.3	0.000187	**0.0199**	ug/L
ê>	In	115	1048196	1028752	7118	0.7	1028752.278888		ug/L
ê	Sn	120	421	2763	126	4.6	0.002284	**0.1486**	ug/L

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ê	Sb	121	10	244	6	2.3	0.000228	**0.0201**	ug/L
ë	Ba	138	37	1853	41	2.2	0.001766	**0.0502**	ug/L
é>	Tm	169	958365	941245	9345	1.0	941244.882068		ug/L
ê	Tl	205	4	360	15	4.3	0.000378	**0.0100**	ug/L
ê	Pb	208	25	1139	25	2.2	0.001185	**0.0248**	ug/L
ê	Bi	209	9	1753	82	4.7	0.001853	**0.0490**	ug/L
ê	Th	232	34	940	22	2.3	0.000963	**0.0199**	ug/L
ë	U	238	0	458	14	3.0	0.000486	**0.0101**	ug/L
	C	13	31434	32257	304	0.9	822.497450		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	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	
|	Tl	205	
|	Pb	208	
|	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: Thursday, March 20, 2014 15:17:25
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2010

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CAL2.028
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	3197	46	1.4	0.002710	**0.3032**	ug/L
ê	Be	9	2	539	38	7.0	0.000461	**0.3041**	ug/L
ê	B	11	1620	10567	147	1.4	0.007663	**3.9252**	ug/L
ê	Na	23	5158	599417	7654	1.3	0.510039	**30.9025**	ug/L
ê	Mg	24	306	380710	6791	1.8	0.326498	**30.6136**	ug/L
ê	Al	27	1330	52303	611	1.2	0.043736	**3.0172**	ug/L
ê	K	39	590550	1385614	4787	0.3	0.676404	**30.7225**	ug/L
ê	Ca	44	3613	46739	618	1.3	0.036978	**59.8752**	ug/L
ê>	Sc	45	1151382	1165113	8138	0.7	1165113.232310		ug/L
ê	Ti	47	24	714	34	4.8	0.000592	**0.4008**	ug/L
ê	Ti	48	-161	6664	225	3.4	0.005859	**0.4146**	ug/L
ê	V	51	27	5995	117	2.0	0.005122	**0.3017**	ug/L
ê	Cr	52	13490	18296	390	2.1	0.003987	**0.2995**	ug/L
ê	Cr	53	52	660	22	3.4	0.000522	**0.3103**	ug/L
ê	Mn	55	671	3502	56	1.6	0.002424	**0.1230**	ug/L
ê	Fe	54	139906	147726	1210	0.8	0.005287	**9.7677**	ug/L
ê	Fe	57	12378	17027	158	0.9	0.003863	**10.5116**	ug/L
ê	Co	59	48	4200	106	2.5	0.003563	**0.2052**	ug/L
ê	Ni	60	38	1929	70	3.6	0.001623	**0.4236**	ug/L
ë	Ni	62	79	331	7	2.2	0.000215	**0.4033**	ug/L
é	Cu	65	8	1055	30	2.8	0.000971	**0.2319**	ug/L
ê	Cu	63	22	2404	33	1.4	0.002210	**0.2429**	ug/L
ê	Zn	66	35	852	24	2.8	0.000758	**0.4104**	ug/L
ê	Zn	68	430	939	42	4.5	0.000467	**0.3989**	ug/L
ê>	Ge	74	1063337	1077677	11188	1.0	1077676.677947		ug/L
ë	As	75	-210	1065	126	11.8	0.001187	**0.5222**	ug/L
é	Se	77	121	268	5	1.8	0.000143	**1.1054**	ug/L
ê	Se	82	-1	247	16	6.4	0.000239	**0.9855**	ug/L
ê	Sr	88	163	3637	116	3.2	0.003355	**0.1039**	ug/L
ê	Mo	98	17	599	8	1.3	0.000561	**0.0623**	ug/L
ê	Ag	107	8	846	35	4.1	0.000809	**0.0409**	ug/L
ê	Ag	109	8	781	38	4.9	0.000746	**0.0399**	ug/L
ê	Cd	111	2	162	12	7.2	0.000154	**0.0411**	ug/L
ê	Cd	114	28	405	16	4.1	0.000365	**0.0407**	ug/L
ê>	In	115	1048196	1035829	5513	0.5	1035829.482885		ug/L
ê	Sn	120	421	5376	95	1.8	0.004788	**0.3053**	ug/L

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ê	Sb	121	10	482	25	5.2	0.000456	**0.0399**	ug/L
ë	Ba	138	37	3683	86	2.3	0.003521	**0.1001**	ug/L
é>	Tm	169	958365	952329	10817	1.1	952329.152217		ug/L
ê	Tl	205	4	668	41	6.1	0.000697	**0.0198**	ug/L
ê	Pb	208	25	2217	20	0.9	0.002303	**0.0504**	ug/L
ê	Bi	209	9	3496	35	1.0	0.003662	**0.1026**	ug/L
ê	Th	232	34	1790	24	1.3	0.001844	**0.0399**	ug/L
ë	U	238	0	870	15	1.8	0.000913	**0.0196**	ug/L
	C	13	31434	31870	246	0.8	435.963947		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	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 15:21:46
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2002

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CAL3.029
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	14965	197	1.3	0.013107	**1.4592**	ug/L
ê	Be	9	2	2525	93	3.7	0.002213	**1.4825**	ug/L
ê	B	11	1620	45110	229	0.5	0.038195	**19.7033**	ug/L
ê	Na	23	5158	2588897	8499	0.3	2.268485	**142.5913**	ug/L
ê	Mg	24	306	1783892	22412	1.3	1.565609	**153.2031**	ug/L
ê	Al	27	1330	240117	4702	2.0	0.209572	**15.1279**	ug/L
ê	K	39	590550	4046430	76073	1.9	3.039630	**142.8303**	ug/L
ê	Ca	44	3613	212793	1796	0.8	0.183684	**305.0118**	ug/L
ê>	Sc	45	1151382	1139658	32024	2.8	1139657.949908		ug/L
ê	Ti	47	24	3227	90	2.8	0.002811	**1.9231**	ug/L
ê	Ti	48	-161	32049	252	0.8	0.028272	**1.9875**	ug/L
ê	V	51	27	29366	318	1.1	0.025761	**1.5124**	ug/L
ê	Cr	52	13490	37719	251	0.7	0.021395	**1.5346**	ug/L
ê	Cr	53	52	2851	24	0.8	0.002458	**1.4871**	ug/L
ê	Mn	55	671	14104	227	1.6	0.011803	**0.6153**	ug/L
ê	Fe	54	139906	196128	5798	3.0	0.050760	**54.9609**	ug/L
ê	Fe	57	12378	34576	197	0.6	0.019607	**50.6815**	ug/L
ê	Co	59	48	19657	362	1.8	0.017215	**1.0149**	ug/L
ê	Ni	60	38	8541	84	1.0	0.007466	**2.0247**	ug/L
ë	Ni	62	79	1321	45	3.4	0.001090	**2.0254**	ug/L
é	Cu	65	8	5219	136	2.6	0.004933	**1.2011**	ug/L
ê	Cu	63	22	11001	111	1.0	0.010394	**1.1748**	ug/L
ê	Zn	66	35	3681	76	2.1	0.003452	**1.9266**	ug/L
ê	Zn	68	430	2922	16	0.5	0.002362	**1.9375**	ug/L
ê>	Ge	74	1063337	1056230	1456	0.1	1056229.769273		ug/L
ë	As	75	-210	5881	93	1.6	0.005766	**2.7147**	ug/L
é	Se	77	121	802	19	2.4	0.000665	**4.9851**	ug/L
ê	Se	82	-1	1159	14	1.2	0.001128	**4.9930**	ug/L
ê	Sr	88	163	16314	58	0.4	0.015712	**0.5129**	ug/L
ê	Mo	98	17	2923	73	2.5	0.002827	**0.3162**	ug/L
ê	Ag	107	8	4009	48	1.2	0.003891	**0.2037**	ug/L
ê	Ag	109	8	3748	30	0.8	0.003638	**0.1985**	ug/L
ê	Cd	111	2	751	23	3.0	0.000729	**0.1979**	ug/L
ê	Cd	114	28	1751	41	2.3	0.001677	**0.1937**	ug/L
ê>	In	115	1048196	1028175	5563	0.5	1028174.763537		ug/L
ê	Sn	120	421	24920	298	1.2	0.023835	**1.4972**	ug/L

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ê	Sb	121	10	2296	9	0.4	0.002223	**0.1938**	ug/L
ë	Ba	138	37	17554	254	1.4	0.017039	**0.4848**	ug/L
é>	Tm	169	958365	940184	6424	0.7	940184.020672		ug/L
ê	Tl	205	4	3120	35	1.1	0.003314	**0.1000**	ug/L
ê	Pb	208	25	10582	100	0.9	0.011230	**0.2547**	ug/L
ê	Bi	209	9	16563	36	0.2	0.017607	**0.5158**	ug/L
ê	Th	232	34	8449	130	1.5	0.008951	**0.2011**	ug/L
ë	U	238	0	4305	93	2.2	0.004579	**0.1016**	ug/L
	C	13	31434	31521	131	0.4	86.522253		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	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 15:26:07
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2001

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CAL4.030
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	30047	251	0.8	0.025977	**2.8903**	ug/L
ê	Be	9	2	5016	90	1.8	0.004341	**2.9142**	ug/L
ê	B	11	1620	90626	2170	2.4	0.077031	**39.7727**	ug/L
ê	Na	23	5158	5194798	39770	0.8	4.492834	**283.8722**	ug/L
ê	Mg	24	306	3313387	27094	0.8	2.868120	**282.0650**	ug/L
ê	Al	27	1330	485500	8704	1.8	0.419138	**30.4321**	ug/L
ê	K	39	590550	7676316	106570	1.4	6.131838	**289.5199**	ug/L
ê	Ca	44	3613	430151	7378	1.7	0.369212	**615.0179**	ug/L
ê>	Sc	45	1151382	1155428	26828	2.3	1155428.292162		ug/L
ê	Ti	47	24	6727	97	1.4	0.005805	**3.9773**	ug/L
ê	Ti	48	-161	66225	2585	3.9	0.057466	**4.0362**	ug/L
ê	V	51	27	59313	1042	1.8	0.051319	**3.0117**	ug/L
ê	Cr	52	13490	65050	1055	1.6	0.044615	**3.1820**	ug/L
ê	Cr	53	52	5789	118	2.0	0.004967	**3.0120**	ug/L
ê	Mn	55	671	28523	327	1.1	0.024109	**1.2610**	ug/L
ê	Fe	54	139906	258674	3912	1.5	0.102399	**106.2815**	ug/L
ê	Fe	57	12378	58683	1607	2.7	0.040046	**102.8322**	ug/L
ê	Co	59	48	40643	680	1.7	0.035146	**2.0783**	ug/L
ê	Ni	60	38	17448	537	3.1	0.015078	**4.1104**	ug/L
ë	Ni	62	79	2644	58	2.2	0.002221	**4.1231**	ug/L
é	Cu	65	8	10380	307	3.0	0.009784	**2.3877**	ug/L
ê	Cu	63	22	22646	436	1.9	0.021337	**2.4207**	ug/L
ê	Zn	66	35	7504	43	0.6	0.007046	**3.9498**	ug/L
ê	Zn	68	430	5581	220	3.9	0.004857	**3.9630**	ug/L
ê>	Ge	74	1063337	1060729	38406	3.6	1060728.933957		ug/L
ë	As	75	-210	12279	414	3.4	0.011774	**5.5916**	ug/L
é	Se	77	121	1515	62	4.1	0.001346	**10.0407**	ug/L
ê	Se	82	-1	2390	76	3.2	0.002306	**10.3021**	ug/L
ê	Sr	88	163	33649	1074	3.2	0.032294	**1.0617**	ug/L
ê	Mo	98	17	5964	117	2.0	0.005736	**0.6421**	ug/L
ê	Ag	107	8	8199	96	1.2	0.007900	**0.4155**	ug/L
ê	Ag	109	8	7613	22	0.3	0.007335	**0.4012**	ug/L
ê	Cd	111	2	1454	59	4.0	0.001401	**0.3814**	ug/L
ê	Cd	114	28	3430	28	0.8	0.003282	**0.3809**	ug/L
ê>	In	115	1048196	1036857	8230	0.8	1036856.575433		ug/L
ê	Sn	120	421	50355	888	1.8	0.048163	**3.0196**	ug/L

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ê	Sb	121	10	4624	118	2.6	0.004451	**0.3877**	ug/L
ë	Ba	138	37	35457	249	0.7	0.034163	**0.9721**	ug/L
é>	Tm	169	958365	947576	4272	0.5	947575.737900		ug/L
ê	Tl	205	4	6435	122	1.9	0.006786	**0.2065**	ug/L
ê	Pb	208	25	21444	254	1.2	0.022604	**0.5151**	ug/L
ê	Bi	209	9	33955	156	0.5	0.035824	**1.0555**	ug/L
ê	Th	232	34	17235	143	0.8	0.018154	**0.4099**	ug/L
ë	U	238	0	8844	175	2.0	0.009332	**0.2079**	ug/L
	C	13	31434	31065	204	0.7	-368.806278		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	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 15:30:28
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3020

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CAL5.031
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	27255	578	2.1	0.023612	**2.6273**	ug/L
ê	Be	9	2	1849	11	0.6	0.001603	**1.0719**	ug/L
ê	B	11	1620	122713	3144	2.6	0.105068	**54.2617**	ug/L
ê	Na	23	5158	18781045	196138	1.0	16.286359	**1032.9456**	ug/L
ê	Mg	24	306	23836104	438297	1.8	20.678258	**2044.0836**	ug/L
ê	Al	27	1330	8015676	166476	2.1	6.952940	**507.5831**	ug/L
ê	K	39	590550	25819675	106682	0.4	21.884636	**1036.8086**	ug/L
ê	Ca	44	3613	1487289	50768	3.4	1.286902	**2148.4178**	ug/L
ê>	Sc	45	1151382	1152888	14897	1.3	1152888.221882		ug/L
ê	Ti	47	24	17350	399	2.3	0.015031	**10.3071**	ug/L
ê	Ti	48	-161	162709	3421	2.1	0.141285	**9.9182**	ug/L
ê	V	51	27	100838	4178	4.1	0.087450	**5.1311**	ug/L
ê	Cr	52	13490	443220	11660	2.6	0.372761	**26.4635**	ug/L
ê	Cr	53	52	49997	1697	3.4	0.043321	**26.3194**	ug/L
ê	Mn	55	671	578944	13309	2.3	0.501703	**26.3245**	ug/L
ê	Fe	54	139906	749188	17424	2.3	0.528379	**529.6354**	ug/L
ê	Fe	57	12378	253820	3494	1.4	0.209447	**535.0571**	ug/L
ê	Co	59	48	100464	2201	2.2	0.087107	**5.1602**	ug/L
ê	Ni	60	38	44605	993	2.2	0.038660	**10.5724**	ug/L
ë	Ni	62	79	6639	264	4.0	0.005689	**10.5551**	ug/L
é	Cu	65	8	44448	564	1.3	0.042084	**10.2887**	ug/L
ê	Cu	63	22	93977	939	1.0	0.088973	**10.1215**	ug/L
ê	Zn	66	35	94018	1008	1.1	0.089000	**50.0739**	ug/L
ê	Zn	68	430	65890	972	1.5	0.061993	**50.3455**	ug/L
ê>	Ge	74	1063337	1056128	10609	1.0	1056128.308118		ug/L
ë	As	75	-210	21732	463	2.1	0.020778	**9.9030**	ug/L
é	Se	77	121	1575	72	4.6	0.001400	**10.4427**	ug/L
ê	Se	82	-1	2493	94	3.8	0.002398	**10.7183**	ug/L
ê	Sr	88	163	344967	6950	2.0	0.331663	**10.9695**	ug/L
ê	Mo	98	17	49236	1731	3.5	0.047352	**5.3050**	ug/L
ê	Ag	107	8	42406	462	1.1	0.040785	**2.1532**	ug/L
ê	Ag	109	8	40234	395	1.0	0.038698	**2.1207**	ug/L
ê	Cd	111	2	3893	75	1.9	0.003744	**1.0209**	ug/L
ê	Cd	114	28	9139	122	1.3	0.008765	**1.0206**	ug/L
ê>	In	115	1048196	1039667	15175	1.5	1039666.593605		ug/L
ê	Sn	120	421	41967	1010	2.4	0.039971	**2.5069**	ug/L

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ê	Sb	121	10	12186	277	2.3	0.011715	**1.0200**	ug/L
ë	Ba	138	37	907857	14376	1.6	0.873306	**24.8499**	ug/L
é>	Tm	169	958365	949900	11333	1.2	949900.424996		ug/L
ê	Tl	205	4	16490	209	1.3	0.017356	**0.5306**	ug/L
ê	Pb	208	25	110288	2030	1.8	0.116079	**2.6547**	ug/L
ê	Bi	209	9	343691	3329	1.0	0.361827	**10.7138**	ug/L
ê	Th	232	34	22226	381	1.7	0.023363	**0.5281**	ug/L
ë	U	238	0	22376	463	2.1	0.023555	**0.5261**	ug/L
	C	13	31434	32586	343	1.1	1152.245133		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	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	
|	Tl	205	
|	Pb	208	
|	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: Thursday, March 20, 2014 15:34:50
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3010

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CAL6.032
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	53773	901	1.7	0.046492	**5.1714**	ug/L
ê	Be	9	2	3598	93	2.6	0.003112	**2.0871**	ug/L
ê	B	11	1620	237547	4692	2.0	0.204114	**105.4463**	ug/L
ê	Na	23	5158	37512073	311672	0.8	32.451411	**2059.6792**	ug/L
ê	Mg	24	306	47665213	195449	0.4	41.240949	**4078.4218**	ug/L
ê	Al	27	1330	15784019	187294	1.2	13.656376	**997.1221**	ug/L
ê	K	39	590550	50620660	107090	0.2	43.286421	**2052.0765**	ug/L
ê	Ca	44	3613	2673997	33910	1.3	2.310453	**3858.7053**	ug/L
ê>	Sc	45	1151382	1155777	7221	0.6	1155777.041854		ug/L
ê	Ti	47	24	33907	549	1.6	0.029315	**20.1075**	ug/L
ê	Ti	48	-161	353188	9661	2.7	0.305702	**21.4563**	ug/L
ê	V	51	27	199257	1042	0.5	0.172385	**10.1135**	ug/L
ê	Cr	52	13490	848878	9779	1.2	0.722748	**51.2946**	ug/L
ê	Cr	53	52	97036	1567	1.6	0.083909	**50.9842**	ug/L
ê	Mn	55	671	1125881	10819	1.0	0.973569	**51.0874**	ug/L
ê	Fe	54	139906	1313324	29693	2.3	1.014785	**1013.0428**	ug/L
ê	Fe	57	12378	482657	9142	1.9	0.406856	**1038.7430**	ug/L
ê	Co	59	48	201764	4800	2.4	0.174515	**10.3443**	ug/L
ê	Ni	60	38	86453	835	1.0	0.074767	**20.4662**	ug/L
ë	Ni	62	79	12644	116	0.9	0.010871	**20.1643**	ug/L
é	Cu	65	8	85945	885	1.0	0.084477	**20.6590**	ug/L
ê	Cu	63	22	186569	3406	1.8	0.183362	**20.8683**	ug/L
ê	Zn	66	35	184058	631	0.3	0.180900	**101.7967**	ug/L
ê	Zn	68	430	127716	245	0.2	0.125141	**101.6083**	ug/L
ê>	Ge	74	1063337	1017333	8517	0.8	1017332.878026		ug/L
ë	As	75	-210	42850	1191	2.8	0.042313	**20.2140**	ug/L
é	Se	77	121	2952	56	1.9	0.002713	**20.2043**	ug/L
ê	Se	82	-1	4823	83	1.7	0.004621	**20.7380**	ug/L
ê	Sr	88	163	669604	16933	2.5	0.641410	**21.2208**	ug/L
ê	Mo	98	17	96513	370	0.4	0.092436	**10.3564**	ug/L
ê	Ag	107	8	82358	602	0.7	0.078893	**4.1668**	ug/L
ê	Ag	109	8	79073	371	0.5	0.075745	**4.1520**	ug/L
ê	Cd	111	2	7734	117	1.5	0.007407	**2.0208**	ug/L
ê	Cd	114	28	18320	93	0.5	0.017524	**2.0424**	ug/L
ê>	In	115	1048196	1044034	15554	1.5	1044034.073924		ug/L
ê	Sn	120	421	83734	772	0.9	0.079809	**4.9999**	ug/L

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ê	Sb	121	10	24235	198	0.8	0.023206	**2.0203**	ug/L
ë	Ba	138	37	1808226	5150	0.3	1.732197	**49.2898**	ug/L
é>	Tm	169	958365	948325	9605	1.0	948324.985160		ug/L
ê	Tl	205	4	32229	303	0.9	0.033981	**1.0403**	ug/L
ê	Pb	208	25	216390	2983	1.4	0.228155	**5.2201**	ug/L
ê	Bi	209	9	671496	5218	0.8	0.708120	**20.9733**	ug/L
ê	Th	232	34	43430	464	1.1	0.045765	**1.0363**	ug/L
ë	U	238	0	44040	680	1.5	0.046439	**1.0380**	ug/L
	C	13	31434	32945	315	1.0	1510.398069		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	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 15:39:12
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3002

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CAL7.033
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	253535	6410	2.5	0.227045	**25.2476**	ug/L
ê	Be	9	2	16635	493	3.0	0.014900	**10.0172**	ug/L
ê	B	11	1620	1070090	20433	1.9	0.956831	**494.4312**	ug/L
ê	Na	23	5158	181822522	3799254	2.1	162.678129	**10331.1128**	ug/L
ê	Mg	24	306	227142333	2223577	1.0	203.305912	**20112.0693**	ug/L
ê	Al	27	1330	75524398	1237373	1.6	67.573050	**4934.5532**	ug/L
ê	K	39	590550	238406109	3015905	1.3	212.808233	**10093.9321**	ug/L
ê	Ca	44	3613	12897854	193816	1.5	11.536704	**19275.1728**	ug/L
ê>	Sc	45	1151382	1118653	49530	4.4	1118652.916711		ug/L
ê	Ti	47	24	163863	323	0.2	0.146648	**100.6078**	ug/L
ê	Ti	48	-161	1558067	44340	2.8	1.395774	**97.9526**	ug/L
ê	V	51	27	939881	3040	0.3	0.841319	**49.3538**	ug/L
ê	Cr	52	13490	3719899	52812	1.4	3.317990	**235.4234**	ug/L
ê	Cr	53	52	457113	11673	2.6	0.408916	**248.4891**	ug/L
ê	Mn	55	671	4998075	56212	1.1	4.474518	**234.8125**	ug/L
ê	Fe	54	139906	5340708	74729	1.4	4.657017	**4632.8212**	ug/L
ê	Fe	57	12378	2078063	33257	1.6	1.850220	**4721.4701**	ug/L
ê	Co	59	48	911970	8925	1.0	0.816314	**48.4093**	ug/L
ê	Ni	60	38	395695	1860	0.5	0.354198	**97.0354**	ug/L
ë	Ni	62	79	58687	908	1.5	0.052457	**97.2879**	ug/L
é	Cu	65	8	383920	5210	1.4	0.404550	**98.9546**	ug/L
ê	Cu	63	22	823470	9911	1.2	0.867783	**98.7943**	ug/L
ê	Zn	66	35	850706	12343	1.5	0.896570	**504.5835**	ug/L
ê	Zn	68	430	595333	10243	1.7	0.627058	**509.0601**	ug/L
ê>	Ge	74	1063337	949008	13804	1.5	949007.920612		ug/L
ë	As	75	-210	197079	2684	1.4	0.207911	**99.5057**	ug/L
é	Se	77	121	13241	99	0.7	0.012990	**96.5885**	ug/L
ê	Se	82	-1	21723	177	0.8	0.021502	**96.8408**	ug/L
ê	Sr	88	163	2757368	32738	1.2	2.729163	**90.3163**	ug/L
ê	Mo	98	17	419822	7909	1.9	0.415437	**46.5473**	ug/L
ê	Ag	107	8	366605	5464	1.5	0.362825	**19.1699**	ug/L
ê	Ag	109	8	364226	5680	1.6	0.360465	**19.7627**	ug/L
ê	Cd	111	2	37173	504	1.4	0.036790	**10.0419**	ug/L
ê	Cd	114	28	88714	1034	1.2	0.087779	**10.2381**	ug/L
ê>	In	115	1048196	1010552	15327	1.5	1010552.148816		ug/L
ê	Sn	120	421	403382	4551	1.1	0.398862	**24.9650**	ug/L

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ê	Sb	121	10	118571	1253	1.1	0.117344	**10.2149**	ug/L
ë	Ba	138	37	9107656	204787	2.2	9.014013	**256.4947**	ug/L
é>	Tm	169	958365	947573	3890	0.4	947573.176891		ug/L
ê	Tl	205	4	151266	2439	1.6	0.159627	**4.8926**	ug/L
ê	Pb	208	25	996097	13400	1.3	1.051186	**24.0592**	ug/L
ê	Bi	209	9	3010890	85688	2.8	3.177426	**94.1304**	ug/L
ê	Th	232	34	206672	4108	2.0	0.218069	**4.9453**	ug/L
ë	U	238	0	206290	5883	2.9	0.217699	**4.8691**	ug/L
	C	13	31434	32691	336	1.0	1256.482766		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	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 15:43:34
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3001

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CAL8.034
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	484912	10559	2.2	0.432921	**48.1394**	ug/L
ê	Be	9	2	30891	1025	3.3	0.027576	**18.5440**	ug/L
ê	B	11	1620	1960719	26309	1.3	1.749002	**903.8050**	ug/L
ê	Na	23	5158	347562112	4977103	1.4	310.291212	**19706.8525**	ug/L
ê	Mg	24	306	443986571	3939400	0.9	396.378189	**39213.3777**	ug/L
ê	Al	27	1330	149792177	1728383	1.2	133.733675	**9766.1365**	ug/L
ê	K	39	590550	469388238	2075853	0.4	418.540968	**19853.5786**	ug/L
ê	Ca	44	3613	25755704	225431	0.9	22.990574	**38413.8459**	ug/L
ê>	Sc	45	1151382	1120119	6234	0.6	1120119.179833		ug/L
ê	Ti	47	24	325708	1090	0.3	0.290768	**199.4872**	ug/L
ê	Ti	48	-161	2984796	72971	2.4	2.664747	**187.0032**	ug/L
ê	V	51	27	1837424	31926	1.7	1.640301	**96.2228**	ug/L
ê	Cr	52	13490	7090942	73562	1.0	6.318820	**448.3281**	ug/L
ê	Cr	53	52	848505	12230	1.4	0.757517	**460.3315**	ug/L
ê	Mn	55	671	9629746	185142	1.9	8.596103	**451.1077**	ug/L
ê	Fe	54	139906	9872307	118359	1.2	8.691903	**8642.8336**	ug/L
ê	Fe	57	12378	3887506	78327	2.0	3.459996	**8828.7924**	ug/L
ê	Co	59	48	1705047	33062	1.9	1.522112	**90.2700**	ug/L
ê	Ni	60	38	722467	5028	0.7	0.644956	**176.7083**	ug/L
ë	Ni	62	79	111173	1346	1.2	0.099180	**183.9364**	ug/L
é	Cu	65	8	712890	9954	1.4	0.793204	**194.0266**	ug/L
ê	Cu	63	22	1518128	18597	1.2	1.689044	**192.3005**	ug/L
ê	Zn	66	35	1602426	13696	0.9	1.782927	**1003.4344**	ug/L
ê	Zn	68	430	1104480	15409	1.4	1.228489	**997.2971**	ug/L
ê>	Ge	74	1063337	898801	8262	0.9	898800.608001		ug/L
ë	As	75	-210	368451	7578	2.1	0.410113	**196.3237**	ug/L
é	Se	77	121	25519	381	1.5	0.024962	**185.5670**	ug/L
ê	Se	82	-1	40960	647	1.6	0.040249	**181.3565**	ug/L
ê	Sr	88	163	5153503	55631	1.1	5.064165	**167.5947**	ug/L
ê	Mo	98	17	761371	8386	1.1	0.748151	**83.8264**	ug/L
ê	Ag	107	8	662286	11047	1.7	0.650861	**34.3897**	ug/L
ê	Ag	109	8	682449	7711	1.1	0.670650	**36.7695**	ug/L
ê	Cd	111	2	74882	919	1.2	0.073582	**20.0854**	ug/L
ê	Cd	114	28	174575	274	0.2	0.171544	**20.0099**	ug/L
ê>	In	115	1048196	1017708	16482	1.6	1017708.449330		ug/L
ê	Sn	120	421	801598	16231	2.0	0.787214	**49.2666**	ug/L

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ê	Sb	121	10	235487	3756	1.6	0.231421	**20.1453**	ug/L
ë	Ba	138	37	18733121	372011	2.0	18.406678	**523.7641**	ug/L
é>	Tm	169	958365	968534	8624	0.9	968534.497580		ug/L
ê	Tl	205	4	282747	4389	1.6	0.291969	**8.9503**	ug/L
ê	Pb	208	25	1867970	12570	0.7	1.928806	**44.1479**	ug/L
ê	Bi	209	9	5524137	76190	1.4	5.704284	**168.9926**	ug/L
ê	Th	232	34	381491	2031	0.5	0.393865	**8.9335**	ug/L
ë	U	238	0	387500	4542	1.2	0.400130	**8.9501**	ug/L
	C	13	31434	32730	167	0.5	1295.570131		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	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 15:47:56
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB2.035
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	114	10	8.4	0.000065	**0.0091**	ug/L
ê	Be	9	2	3	2	86.6	0.000001	**-0.0059**	ug/L
ê	B	11	1620	5261	1021	19.4	0.003140	**1.5879**	ug/L
ê	Na	23	5158	19660	3614	18.4	0.012509	**-0.6985**	ug/L
ê	Mg	24	306	3719	1642	44.1	0.002935	**-1.3977**	ug/L
ê	Al	27	1330	2313	415	17.9	0.000840	**-0.1154**	ug/L
ê	K	39	590550	648080	6373	1.0	0.047036	**0.8662**	ug/L
ê	Ca	44	3613	4237	52	1.2	0.000522	**-1.0390**	ug/L
ê>	Sc	45	1151382	1157614	16811	1.5	1157614.340449		ug/L
ê	Ti	47	24	45	20	45.7	0.000018	**0.0067**	ug/L
ê	Ti	48	-161	355	464	131.0	0.000442	**0.0345**	ug/L
ê	V	51	27	312	215	68.8	0.000244	**0.0156**	ug/L
ê	Cr	52	13490	14072	918	6.5	0.000436	**0.0476**	ug/L
ê	Cr	53	52	199	109	54.6	0.000126	**0.0697**	ug/L
ê	Mn	55	671	2116	1018	48.1	0.001240	**0.0609**	ug/L
ê	Fe	54	139906	135730	1309	1.0	-0.004254	**0.2857**	ug/L
ê	Fe	57	12378	11289	191	1.7	-0.000998	**-1.8904**	ug/L
ê	Co	59	48	250	149	59.6	0.000173	**0.0041**	ug/L
ê	Ni	60	38	129	47	36.6	0.000078	**0.0003**	ug/L
ë	Ni	62	79	155	34	22.0	0.000065	**0.1249**	ug/L
é	Cu	65	8	73	42	57.5	0.000065	**0.0103**	ug/L
ê	Cu	63	22	236	40	16.9	0.000217	**0.0160**	ug/L
ê	Zn	66	35	158	76	48.3	0.000126	**0.0548**	ug/L
ê	Zn	68	430	468	44	9.3	0.000066	**0.0735**	ug/L
ê>	Ge	74	1063337	994964	10454	1.1	994964.021960		ug/L
ë	As	75	-210	-136	15	11.3	0.000061	**-0.0169**	ug/L
é	Se	77	121	111	11	10.3	-0.000015	**-0.0716**	ug/L
ê	Se	82	-1	11	14	126.1	0.000010	**-0.0457**	ug/L
ê	Sr	88	163	438	236	53.8	0.000241	**0.0009**	ug/L
ê	Mo	98	17	69	31	44.6	0.000046	**0.0046**	ug/L
ê	Ag	107	8	42	13	31.4	0.000030	**-0.0003**	ug/L
ê	Ag	109	8	38	15	39.8	0.000027	**0.0005**	ug/L
ê	Cd	111	2	4	2	43.3	0.000002	**-0.0005**	ug/L
ê	Cd	114	28	37	10	26.6	0.000007	**-0.0010**	ug/L
ê>	In	115	1048196	1105990	8155	0.7	1105990.404410		ug/L
ê	Sn	120	421	536	93	17.4	0.000083	**0.0109**	ug/L

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ê	Sb	121	10	47	6	13.6	0.000034	**0.0032**	ug/L
ë	Ba	138	37	320	168	52.6	0.000254	**0.0072**	ug/L
é>	Tm	169	958365	977684	17375	1.8	977684.444232		ug/L
ê	Tl	205	4	11	6	50.2	0.000007	**-0.0013**	ug/L
ê	Pb	208	25	43	11	24.9	0.000019	**-0.0019**	ug/L
ê	Bi	209	9	115	23	20.0	0.000108	**-0.0027**	ug/L
ê	Th	232	34	93	14	14.6	0.000060	**-0.0006**	ug/L
ë	U	238	0	5	2	28.6	0.000005	**-0.0007**	ug/L
	C	13	31434	33151	380	1.1	1716.875957		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	100.541
|	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	93.570
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	105.514
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	102.016
|	Tl	205	
|	Pb	208	
|	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: Thursday, March 20, 2014 15:52:26
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 4

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICV1.036
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	135476	1853	1.4	0.119154	**13.2509**	ug/L
ê	Be	9	2	1651	77	4.7	0.001451	**0.9700**	ug/L
ê	B	11	1620	112036	1630	1.5	0.097163	**50.1766**	ug/L
ê	Na	23	5158	9111775	91437	1.0	8.011816	**507.3827**	ug/L
ê	Mg	24	306	2389608	24917	1.0	2.102041	**206.2742**	ug/L
ê	Al	27	1330	859131	8274	1.0	0.754729	**54.9396**	ug/L
ê	K	39	590550	3080438	17422	0.6	2.197235	**102.8684**	ug/L
ê	Ca	44	3613	702219	10561	1.5	0.614657	**1025.1396**	ug/L
ê>	Sc	45	1151382	1136642	8011	0.7	1136641.658619		ug/L
ê	Ti	47	24	8071	125	1.5	0.007081	**4.8526**	ug/L
ê	Ti	48	-161	79240	1667	2.1	0.069855	**4.9056**	ug/L
ê	V	51	27	94078	757	0.8	0.082748	**4.8553**	ug/L
ê	Cr	52	13490	209631	5833	2.8	0.172697	**12.2692**	ug/L
ê	Cr	53	52	22926	499	2.2	0.020123	**12.2219**	ug/L
ê	Mn	55	671	54439	502	0.9	0.047312	**2.4787**	ug/L
ê	Fe	54	139906	401000	4801	1.2	0.231274	**234.3622**	ug/L
ê	Fe	57	12378	120461	1407	1.2	0.095228	**243.6299**	ug/L
ê	Co	59	48	46313	833	1.8	0.040705	**2.4081**	ug/L
ê	Ni	60	38	19982	401	2.0	0.017546	**4.7867**	ug/L
ë	Ni	62	79	3064	30	1.0	0.002627	**4.8765**	ug/L
é	Cu	65	8	20042	253	1.3	0.020684	**5.0540**	ug/L
ê	Cu	63	22	43435	334	0.8	0.044823	**5.0947**	ug/L
ê	Zn	66	35	8720	132	1.5	0.008969	**5.0316**	ug/L
ê	Zn	68	430	6549	279	4.3	0.006356	**5.1795**	ug/L
ê>	Ge	74	1063337	968657	7202	0.7	968656.919029		ug/L
ë	As	75	-210	10344	187	1.8	0.010878	**5.1624**	ug/L
é	Se	77	121	1489	17	1.1	0.001271	**9.4886**	ug/L
ê	Se	82	-1	2228	48	2.2	0.002075	**9.2606**	ug/L
ê	Sr	88	163	147723	3887	2.6	0.137354	**4.5387**	ug/L
ê	Mo	98	17	4192	75	1.8	0.003885	**0.4347**	ug/L
ê	Ag	107	8	17451	109	0.6	0.016237	**0.8561**	ug/L
ê	Ag	109	8	17410	104	0.6	0.016199	**0.8872**	ug/L
ê	Cd	111	2	1960	41	2.1	0.001823	**0.4966**	ug/L
ê	Cd	114	28	4595	40	0.9	0.004251	**0.4940**	ug/L
ê>	In	115	1048196	1074377	12363	1.2	1074377.092156		ug/L
ê	Sn	120	421	44338	277	0.6	0.040871	**2.5632**	ug/L

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ê	Sb	121	10	12642	142	1.1	0.011758	**1.0238**	ug/L
ë	Ba	138	37	92914	1002	1.1	0.086455	**2.4600**	ug/L
é>	Tm	169	958365	973053	20328	2.1	973052.718108		ug/L
ê	Tl	205	4	8258	133	1.6	0.008484	**0.2586**	ug/L
ê	Pb	208	25	106334	363	0.3	0.109284	**2.4992**	ug/L
ê	Bi	209	9	83902	825	1.0	0.086233	**2.5489**	ug/L
ê	Th	232	34	21159	297	1.4	0.021712	**0.4906**	ug/L
ë	U	238	0	21841	284	1.3	0.022454	**0.5015**	ug/L
	C	13	31434	32850	359	1.1	1415.513969		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	98.720
⎢	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	91.096
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	102.498
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	101.533
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 16:00:56
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB3.037
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	71	9	12.2	0.000029	**0.0051**	ug/L
ê	Be	9	2	2	1	34.6	-0.000000	**-0.0064**	ug/L
ê	B	11	1620	1901	127	6.7	0.000287	**0.1136**	ug/L
ê	Na	23	5158	6144	268	4.4	0.000996	**-1.4297**	ug/L
ê	Mg	24	306	445	37	8.3	0.000130	**-1.6751**	ug/L
ê	Al	27	1330	1658	79	4.8	0.000323	**-0.1532**	ug/L
ê	K	39	590550	626183	5716	0.9	0.045291	**0.7835**	ug/L
ê	Ca	44	3613	3819	98	2.6	0.000266	**-1.4666**	ug/L
ê>	Sc	45	1151382	1121805	9541	0.9	1121804.800654		ug/L
ê	Ti	47	24	22	1	4.5	-0.000001	**-0.0062**	ug/L
ê	Ti	48	-161	-168	6	3.4	-0.000010	**0.0028**	ug/L
ê	V	51	27	36	6	16.8	0.000009	**0.0018**	ug/L
ê	Cr	52	13490	12534	414	3.3	-0.000544	**-0.0220**	ug/L
ê	Cr	53	52	48	10	20.4	-0.000003	**-0.0084**	ug/L
ê	Mn	55	671	634	42	6.7	-0.000018	**-0.0051**	ug/L
ê	Fe	54	139906	132770	903	0.7	-0.003154	**1.3789**	ug/L
ê	Fe	57	12378	10982	185	1.7	-0.000962	**-1.7981**	ug/L
ê	Co	59	48	52	11	21.0	0.000005	**-0.0059**	ug/L
ê	Ni	60	38	37	10	26.2	-0.000000	**-0.0213**	ug/L
ë	Ni	62	79	88	16	18.3	0.000010	**0.0224**	ug/L
é	Cu	65	8	8	1	13.9	0.000001	**-0.0055**	ug/L
ê	Cu	63	22	20	3	13.2	-0.000000	**-0.0088**	ug/L
ê	Zn	66	35	37	8	21.7	0.000005	**-0.0134**	ug/L
ê	Zn	68	430	437	34	7.8	0.000039	**0.0510**	ug/L
ê>	Ge	74	1063337	986174	8943	0.9	986173.501074		ug/L
ë	As	75	-210	-152	32	21.2	0.000043	**-0.0256**	ug/L
é	Se	77	121	106	10	9.1	-0.000016	**-0.0786**	ug/L
ê	Se	82	-1	8	4	57.4	0.000008	**-0.0571**	ug/L
ê	Sr	88	163	165	4	2.3	-0.000001	**-0.0072**	ug/L
ê	Mo	98	17	20	2	8.8	0.000002	**-0.0004**	ug/L
ê	Ag	107	8	7	2	28.6	-0.000001	**-0.0020**	ug/L
ê	Ag	109	8	8	2	27.2	-0.000000	**-0.0010**	ug/L
ê	Cd	111	2	2	1	34.6	-0.000000	**-0.0010**	ug/L
ê	Cd	114	28	30	11	36.3	0.000002	**-0.0017**	ug/L
ê>	In	115	1048196	1073563	10775	1.0	1073563.441063		ug/L
ê	Sn	120	421	470	46	9.8	0.000037	**0.0080**	ug/L

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ê	Sb	121	10	15	2	10.4	0.000004	**0.0006**	ug/L
ë	Ba	138	37	40	4	9.0	0.000002	**-0.0000**	ug/L
é>	Tm	169	958365	956623	6697	0.7	956623.446444		ug/L
ê	Tl	205	4	5	1	20.0	0.000001	**-0.0015**	ug/L
ê	Pb	208	25	27	9	31.6	0.000002	**-0.0023**	ug/L
ê	Bi	209	9	19	3	13.5	0.000010	**-0.0056**	ug/L
ê	Th	232	34	51	1	2.2	0.000018	**-0.0015**	ug/L
ë	U	238	0	1	1	86.6	0.000000	**-0.0008**	ug/L
	C	13	31434	32570	93	0.3	1135.871984		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	97.431
|	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	92.743
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	102.420
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	99.818
|	Tl	205	
|	Pb	208	
|	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: Thursday, March 20, 2014 16:05:17
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 101

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-IBL1.038
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	57	4	7.6	0.000017	**0.0037**	ug/L
ê	Be	9	2	1	1	86.6	-0.000001	**-0.0070**	ug/L
ê	B	11	1620	1708	52	3.0	0.000109	**0.0213**	ug/L
ê	Na	23	5158	7413	73	1.0	0.002096	**-1.3599**	ug/L
ê	Mg	24	306	710	35	4.9	0.000364	**-1.6520**	ug/L
ê	Al	27	1330	2213	535	24.2	0.000810	**-0.1176**	ug/L
ê	K	39	590550	620746	2004	0.3	0.037730	**0.4248**	ug/L
ê	Ca	44	3613	3803	57	1.5	0.000235	**-1.5189**	ug/L
ê>	Sc	45	1151382	1127436	12332	1.1	1127435.830580		ug/L
ê	Ti	47	24	20	4	20.0	-0.000003	**-0.0075**	ug/L
ê	Ti	48	-161	-152	19	12.8	0.000005	**0.0038**	ug/L
ê	V	51	27	33	3	9.4	0.000006	**0.0016**	ug/L
ê	Cr	52	13490	12673	343	2.7	-0.000474	**-0.0170**	ug/L
ê	Cr	53	52	58	5	8.0	0.000006	**-0.0028**	ug/L
ê	Mn	55	671	637	20	3.1	-0.000017	**-0.0050**	ug/L
ê	Fe	54	139906	132509	841	0.6	-0.003969	**0.5685**	ug/L
ê	Fe	57	12378	10831	416	3.8	-0.001144	**-2.2635**	ug/L
ê	Co	59	48	64	10	16.2	0.000015	**-0.0053**	ug/L
ê	Ni	60	38	51	6	12.3	0.000012	**-0.0180**	ug/L
ë	Ni	62	79	96	14	15.0	0.000016	**0.0345**	ug/L
é	Cu	65	8	13	1	4.3	0.000005	**-0.0044**	ug/L
ê	Cu	63	22	34	3	9.5	0.000013	**-0.0073**	ug/L
ê	Zn	66	35	69	9	12.9	0.000036	**0.0042**	ug/L
ê	Zn	68	430	420	36	8.5	0.000015	**0.0317**	ug/L
ê>	Ge	74	1063337	1003758	19365	1.9	1003757.954350		ug/L
ë	As	75	-210	-140	34	24.5	0.000058	**-0.0182**	ug/L
é	Se	77	121	103	8	7.4	-0.000020	**-0.1092**	ug/L
ê	Se	82	-1	10	2	21.0	0.000010	**-0.0475**	ug/L
ê	Sr	88	163	159	8	4.9	-0.000008	**-0.0074**	ug/L
ê	Mo	98	17	17	5	28.2	-0.000000	**-0.0006**	ug/L
ê	Ag	107	8	8	3	30.2	-0.000000	**-0.0019**	ug/L
ê	Ag	109	8	8	1	12.5	0.000000	**-0.0010**	ug/L
ê	Cd	111	2	2	2	99.0	0.000001	**-0.0009**	ug/L
ê	Cd	114	28	24	4	18.0	-0.000005	**-0.0024**	ug/L
ê>	In	115	1048196	1081240	9743	0.9	1081239.755735		ug/L
ê	Sn	120	421	386	64	16.7	-0.000044	**0.0029**	ug/L

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ê	Sb	121	10	5	4	78.1	-0.000004	**-0.0001**	ug/L
ë	Ba	138	37	69	13	19.2	0.000029	**0.0008**	ug/L
é>	Tm	169	958365	973052	20659	2.1	973051.951795		ug/L
ê	Tl	205	4	6	1	16.7	0.000002	**-0.0015**	ug/L
ê	Pb	208	25	28	3	11.3	0.000003	**-0.0022**	ug/L
ê	Bi	209	9	12	3	20.4	0.000003	**-0.0058**	ug/L
ê	Th	232	34	40	9	21.7	0.000006	**-0.0018**	ug/L
ë	U	238	0	1	0	0.0	0.000001	**-0.0008**	ug/L
	C	13	31434	32582	270	0.8	1147.900861		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	97.920
⎢	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	94.397
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	103.152
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	101.532
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 16:09:38
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 102

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-IBL2.039
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	62	6	10.1	0.000021	**0.0042**	ug/L
ê	Be	9	2	2	1	24.7	0.000000	**-0.0060**	ug/L
ê	B	11	1620	1581	32	2.0	-0.000015	**-0.0428**	ug/L
ê	Na	23	5158	5426	212	3.9	0.000296	**-1.4742**	ug/L
ê	Mg	24	306	369	11	3.0	0.000058	**-1.6822**	ug/L
ê	Al	27	1330	1482	46	3.1	0.000150	**-0.1658**	ug/L
ê	K	39	590550	621206	1996	0.3	0.033729	**0.2350**	ug/L
ê	Ca	44	3613	3810	9	0.2	0.000215	**-1.5535**	ug/L
ê>	Sc	45	1151382	1136658	22125	1.9	1136658.410003		ug/L
ê	Ti	47	24	26	6	21.5	0.000002	**-0.0041**	ug/L
ê	Ti	48	-161	-161	15	9.1	-0.000002	**0.0033**	ug/L
ê	V	51	27	28	9	30.7	0.000001	**0.0013**	ug/L
ê	Cr	52	13490	12855	215	1.7	-0.000406	**-0.0122**	ug/L
ê	Cr	53	52	46	11	24.6	-0.000004	**-0.0092**	ug/L
ê	Mn	55	671	652	23	3.5	-0.000008	**-0.0046**	ug/L
ê	Fe	54	139906	134891	301	0.2	-0.002808	**1.7229**	ug/L
ê	Fe	57	12378	11160	47	0.4	-0.000930	**-1.7168**	ug/L
ê	Co	59	48	51	4	6.8	0.000003	**-0.0060**	ug/L
ê	Ni	60	38	35	5	15.1	-0.000003	**-0.0219**	ug/L
ë	Ni	62	79	79	6	7.0	0.000000	**0.0047**	ug/L
é	Cu	65	8	11	3	27.3	0.000003	**-0.0049**	ug/L
ê	Cu	63	22	24	2	7.2	0.000003	**-0.0083**	ug/L
ê	Zn	66	35	37	6	17.0	0.000004	**-0.0136**	ug/L
ê	Zn	68	430	407	23	5.5	0.000005	**0.0240**	ug/L
ê>	Ge	74	1063337	994431	5549	0.6	994430.757778		ug/L
ë	As	75	-210	-175	38	21.6	0.000022	**-0.0357**	ug/L
é	Se	77	121	115	12	10.3	-0.000008	**-0.0227**	ug/L
ê	Se	82	-1	5	8	152.8	0.000006	**-0.0668**	ug/L
ê	Sr	88	163	160	11	6.9	-0.000007	**-0.0073**	ug/L
ê	Mo	98	17	16	4	28.0	-0.000002	**-0.0008**	ug/L
ê	Ag	107	8	6	3	39.7	-0.000002	**-0.0020**	ug/L
ê	Ag	109	8	6	3	39.7	-0.000001	**-0.0011**	ug/L
ê	Cd	111	2	3	2	57.7	0.000001	**-0.0007**	ug/L
ê	Cd	114	28	25	4	15.7	-0.000003	**-0.0023**	ug/L
ê>	In	115	1048196	1074784	10864	1.0	1074784.354506		ug/L
ê	Sn	120	421	381	41	10.8	-0.000047	**0.0028**	ug/L

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ê	Sb	121	10	7	1	15.7	-0.000002	**0.0000**	ug/L
ë	Ba	138	37	47	9	19.2	0.000009	**0.0002**	ug/L
é>	Tm	169	958365	971121	8252	0.8	971120.719843		ug/L
ê	Tl	205	4	7	2	22.9	0.000002	**-0.0015**	ug/L
ê	Pb	208	25	21	1	4.8	-0.000004	**-0.0024**	ug/L
ê	Bi	209	9	9	2	22.3	-0.000000	**-0.0059**	ug/L
ê	Th	232	34	39	5	11.5	0.000005	**-0.0018**	ug/L
ë	U	238	0	1	0	0.0	0.000001	**-0.0008**	ug/L
	C	13	31434	32851	280	0.9	1416.515094		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	98.721
⎢	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	93.520
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	102.537
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	101.331
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 16:13:58
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 103

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-IBL3.040
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	57	3	4.4	0.000017	**0.0037**	ug/L
ê	Be	9	2	3	1	21.7	0.000001	**-0.0058**	ug/L
ê	B	11	1620	1410	33	2.4	-0.000149	**-0.1117**	ug/L
ê	Na	23	5158	5934	120	2.0	0.000815	**-1.4412**	ug/L
ê	Mg	24	306	548	21	3.9	0.000223	**-1.6659**	ug/L
ê	Al	27	1330	1932	257	13.3	0.000567	**-0.1353**	ug/L
ê	K	39	590550	614359	653	0.1	0.035142	**0.3020**	ug/L
ê	Ca	44	3613	3752	76	2.0	0.000210	**-1.5608**	ug/L
ê>	Sc	45	1151382	1121254	20800	1.9	1121254.089748		ug/L
ê	Ti	47	24	28	3	9.4	0.000004	**-0.0025**	ug/L
ê	Ti	48	-161	-163	16	9.7	-0.000006	**0.0031**	ug/L
ê	V	51	27	28	7	24.8	0.000002	**0.0014**	ug/L
ê	Cr	52	13490	12620	278	2.2	-0.000461	**-0.0161**	ug/L
ê	Cr	53	52	51	4	7.8	0.000000	**-0.0065**	ug/L
ê	Mn	55	671	612	26	4.2	-0.000036	**-0.0061**	ug/L
ê	Fe	54	139906	131920	1241	0.9	-0.003841	**0.6960**	ug/L
ê	Fe	57	12378	11059	382	3.5	-0.000887	**-1.6066**	ug/L
ê	Co	59	48	59	7	11.8	0.000011	**-0.0055**	ug/L
ê	Ni	60	38	45	12	26.7	0.000007	**-0.0194**	ug/L
ë	Ni	62	79	78	7	8.8	0.000000	**0.0047**	ug/L
é	Cu	65	8	12	3	21.6	0.000004	**-0.0047**	ug/L
ê	Cu	63	22	28	3	9.4	0.000007	**-0.0079**	ug/L
ê	Zn	66	35	44	8	17.8	0.000011	**-0.0100**	ug/L
ê	Zn	68	430	417	29	7.1	0.000015	**0.0316**	ug/L
ê>	Ge	74	1063337	995122	3657	0.4	995121.774881		ug/L
ë	As	75	-210	-157	58	37.0	0.000040	**-0.0271**	ug/L
é	Se	77	121	113	29	26.1	-0.000009	**-0.0264**	ug/L
ê	Se	82	-1	16	10	61.0	0.000015	**-0.0226**	ug/L
ê	Sr	88	163	164	24	14.9	-0.000001	**-0.0072**	ug/L
ê	Mo	98	17	19	2	10.9	0.000002	**-0.0004**	ug/L
ê	Ag	107	8	7	1	8.7	-0.000002	**-0.0020**	ug/L
ê	Ag	109	8	9	2	24.7	0.000001	**-0.0009**	ug/L
ê	Cd	111	2	2	2	89.2	0.000001	**-0.0009**	ug/L
ê	Cd	114	28	36	4	11.1	0.000007	**-0.0011**	ug/L
ê>	In	115	1048196	1065722	8823	0.8	1065721.907911		ug/L
ê	Sn	120	421	448	27	6.0	0.000019	**0.0069**	ug/L

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ê	Sb	121	10	5	1	21.7	-0.000004	**-0.0001**	ug/L
ë	Ba	138	37	52	2	4.0	0.000014	**0.0003**	ug/L
é>	Tm	169	958365	959579	3965	0.4	959579.186806		ug/L
ê	Tl	205	4	5	3	60.3	0.000001	**-0.0015**	ug/L
ê	Pb	208	25	27	6	22.9	0.000002	**-0.0023**	ug/L
ê	Bi	209	9	11	3	27.3	0.000002	**-0.0058**	ug/L
ê	Th	232	34	31	6	18.0	-0.000004	**-0.0020**	ug/L
ë	U	238	0	1	1	86.6	0.000000	**-0.0008**	ug/L
	C	13	31434	32718	269	0.8	1283.543664		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	97.383
⎢	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	93.585
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	101.672
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	100.127
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 16:18:19
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 104

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-IBL4.041
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	53	8	15.0	0.000013	**0.0033**	ug/L
ê	Be	9	2	2	2	91.7	-0.000000	**-0.0064**	ug/L
ê	B	11	1620	1398	65	4.7	-0.000190	**-0.1329**	ug/L
ê	Na	23	5158	4845	208	4.3	-0.000260	**-1.5095**	ug/L
ê	Mg	24	306	358	38	10.6	0.000046	**-1.6835**	ug/L
ê	Al	27	1330	1555	11	0.7	0.000200	**-0.1622**	ug/L
ê	K	39	590550	616409	5496	0.9	0.023989	**-0.2271**	ug/L
ê	Ca	44	3613	3725	99	2.7	0.000107	**-1.7335**	ug/L
ê>	Sc	45	1151382	1148202	19160	1.7	1148201.764706		ug/L
ê	Ti	47	24	20	6	28.0	-0.000004	**-0.0079**	ug/L
ê	Ti	48	-161	-167	19	11.5	-0.000006	**0.0031**	ug/L
ê	V	51	27	25	2	8.0	-0.000002	**0.0012**	ug/L
ê	Cr	52	13490	12995	84	0.6	-0.000397	**-0.0116**	ug/L
ê	Cr	53	52	47	11	23.3	-0.000004	**-0.0094**	ug/L
ê	Mn	55	671	648	13	2.0	-0.000018	**-0.0051**	ug/L
ê	Fe	54	139906	135002	755	0.6	-0.003908	**0.6292**	ug/L
ê	Fe	57	12378	11260	196	1.7	-0.000942	**-1.7467**	ug/L
ê	Co	59	48	57	6	9.8	0.000008	**-0.0057**	ug/L
ê	Ni	60	38	43	2	4.7	0.000004	**-0.0201**	ug/L
ë	Ni	62	79	80	9	10.8	0.000001	**0.0055**	ug/L
é	Cu	65	8	8	2	27.2	-0.000000	**-0.0057**	ug/L
ê	Cu	63	22	22	3	13.6	0.000001	**-0.0086**	ug/L
ê	Zn	66	35	46	2	5.1	0.000012	**-0.0092**	ug/L
ê	Zn	68	430	419	33	7.8	0.000012	**0.0296**	ug/L
ê>	Ge	74	1063337	1007295	9600	1.0	1007295.445359		ug/L
ë	As	75	-210	-170	44	25.9	0.000029	**-0.0323**	ug/L
é	Se	77	121	108	13	12.3	-0.000014	**-0.0658**	ug/L
ê	Se	82	-1	1	4	404.5	0.000002	**-0.0850**	ug/L
ê	Sr	88	163	164	3	1.9	-0.000002	**-0.0072**	ug/L
ê	Mo	98	17	15	1	7.6	-0.000002	**-0.0008**	ug/L
ê	Ag	107	8	7	3	43.8	-0.000001	**-0.0020**	ug/L
ê	Ag	109	8	7	2	24.7	-0.000001	**-0.0010**	ug/L
ê	Cd	111	2	2	1	34.6	-0.000000	**-0.0010**	ug/L
ê	Cd	114	28	29	5	18.8	0.000001	**-0.0018**	ug/L
ê>	In	115	1048196	1074336	5537	0.5	1074335.946039		ug/L
ê	Sn	120	421	408	39	9.5	-0.000022	**0.0044**	ug/L

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ê	Sb	121	10	6	3	44.1	-0.000004	**-0.0001**	ug/L
ë	Ba	138	37	37	7	18.2	-0.000001	**-0.0001**	ug/L
é>	Tm	169	958365	974052	6296	0.6	974051.932841		ug/L
ê	Tl	205	4	6	2	24.1	0.000002	**-0.0015**	ug/L
ê	Pb	208	25	24	9	36.4	-0.000001	**-0.0024**	ug/L
ê	Bi	209	9	10	4	41.8	0.000000	**-0.0059**	ug/L
ê	Th	232	34	33	5	14.8	-0.000001	**-0.0019**	ug/L
ë	U	238	0	1	1	100.0	0.000001	**-0.0008**	ug/L
	C	13	31434	32607	362	1.1	1172.291097		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	99.724
⎢	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	94.730
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	102.494
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	101.637
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 16:22:40
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 105

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-SCV1.042
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	42756	1113	2.6	0.038146	**21.2169**	ug/L
ê	Be	9	2	5164	155	3.0	0.004610	**15.4741**	ug/L
ê	B	11	1620	75915	1741	2.3	0.066379	**171.3418**	ug/L
ê	Na	23	5158	80013475	2279968	2.8	71.446723	**22682.4573**	ug/L
ê	Mg	24	306	19808699	553743	2.8	17.687956	**8741.2133**	ug/L
ê	Al	27	1330	541846	14211	2.6	0.482671	**175.3587**	ug/L
ê	K	39	590550	10882230	162309	1.5	9.203113	**2176.0826**	ug/L
ê	Ca	44	3613	3961798	39267	1.0	3.534041	**29516.2057**	ug/L
ê>	Sc	45	1151382	1120134	11869	1.1	1120133.709524		ug/L
ê	Ti	47	24	111	8	7.0	0.000079	**0.2427**	ug/L
ê	Ti	48	-161	-605	3012	497.5	-0.000413	**-0.1275**	ug/L
ê	V	51	27	140422	2068	1.5	0.125339	**36.7688**	ug/L
ê	Cr	52	13490	76645	1279	1.7	0.056710	**20.2004**	ug/L
ê	Cr	53	52	7786	174	2.2	0.006906	**20.9491**	ug/L
ê	Mn	55	671	161632	1493	0.9	0.143718	**37.6900**	ug/L
ê	Fe	54	139906	157393	3101	2.0	0.018993	**116.9479**	ug/L
ê	Fe	57	12378	15665	327	2.1	0.003237	**44.5700**	ug/L
ê	Co	59	48	99002	1973	2.0	0.088337	**26.1655**	ug/L
ê	Ni	60	38	47756	1334	2.8	0.042597	**58.2559**	ug/L
ë	Ni	62	79	7230	261	3.6	0.006386	**59.2381**	ug/L
é	Cu	65	8	17630	254	1.4	0.018406	**22.4843**	ug/L
ê	Cu	63	22	39169	1317	3.4	0.040876	**23.2263**	ug/L
ê	Zn	66	35	28698	710	2.5	0.029938	**84.1680**	ug/L
ê	Zn	68	430	25789	144	0.6	0.026533	**107.7954**	ug/L
ê>	Ge	74	1063337	957643	17380	1.8	957642.898371		ug/L
ë	As	75	-210	21349	428	2.0	0.022491	**53.6155**	ug/L
é	Se	77	121	426	25	5.8	0.000275	**10.4026**	ug/L
ê	Se	82	-1	551	56	10.1	0.000505	**10.9282**	ug/L
ê	Sr	88	163	1917371	16037	0.8	1.753710	**290.1653**	ug/L
ê	Mo	98	17	211442	2097	1.0	0.193392	**108.3405**	ug/L
ê	Ag	107	8	4058	29	0.7	0.003704	**0.9690**	ug/L
ê	Ag	109	8	4086	78	1.9	0.003729	**1.0174**	ug/L
ê	Cd	111	2	5259	97	1.9	0.004808	**6.5579**	ug/L
ê	Cd	114	28	12393	303	2.4	0.011308	**6.5861**	ug/L
ê>	In	115	1048196	1093364	17349	1.6	1093364.411068		ug/L
ê	Sn	120	421	389	34	8.9	-0.000045	**0.0144**	ug/L

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ê	Sb	121	10	142664	1517	1.1	0.130481	**56.7927**	ug/L
ë	Ba	138	37	3917669	37836	1.0	3.583402	**509.8303**	ug/L
é>	Tm	169	958365	984896	6341	0.6	984896.239315		ug/L
ê	Tl	205	4	47950	249	0.5	0.048681	**7.4551**	ug/L
ê	Pb	208	25	169293	2666	1.6	0.171858	**19.6575**	ug/L
ê	Bi	209	9	94644	1958	2.1	0.096080	**14.2033**	ug/L
ê	Th	232	34	71	9	12.6	0.000037	**-0.0054**	ug/L
ë	U	238	0	964	29	3.0	0.000978	**0.1053**	ug/L
	C	13	31434	42678	961	2.3	11244.129146		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	97.286
⎢	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	90.060
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	104.309
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	102.768
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 16:27:00
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 106

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-SCV2.043
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	123	4	3.5	0.000084	**0.0558**	ug/L
ê	Be	9	2	10	3	24.4	0.000008	**-0.0038**	ug/L
ê	B	11	1620	1659	64	3.8	0.000177	**0.2826**	ug/L
ê	Na	23	5158	582137	3551	0.6	0.551019	**167.5267**	ug/L
ê	Mg	24	306	25612343	453138	1.8	24.446388	**12084.3886**	ug/L
ê	Al	27	1330	25978	353	1.4	0.023632	**7.7453**	ug/L
ê	K	39	590550	707121	4897	0.7	0.161797	**31.5517**	ug/L
ê	Ca	44	3613	6392077	127536	2.0	6.095790	**50918.7903**	ug/L
ê>	Sc	45	1151382	1048323	24566	2.3	1048322.945714		ug/L
ê	Ti	47	24	35	6	17.4	0.000012	**0.0160**	ug/L
ê	Ti	48	-161	13351	9317	69.8	0.012744	**4.4889**	ug/L
ê	V	51	27	2336	95	4.1	0.002204	**0.6528**	ug/L
ê	Cr	52	13490	12171	129	1.1	-0.000100	**0.0475**	ug/L
ê	Cr	53	52	751	52	6.9	0.000671	**2.0047**	ug/L
ê	Mn	55	671	934	19	2.0	0.000309	**0.0603**	ug/L
ê	Fe	54	139906	109204	4287	3.9	-0.017276	**-63.2813**	ug/L
ê	Fe	57	12378	6392	267	4.2	-0.004647	**-56.0087**	ug/L
ê	Co	59	48	310	15	4.8	0.000254	**0.0447**	ug/L
ê	Ni	60	38	-1416	23	1.6	-0.001384	**-2.0027**	ug/L
ë	Ni	62	79	131	4	3.3	0.000056	**0.5415**	ug/L
é	Cu	65	8	286	12	4.1	0.000301	**0.3393**	ug/L
ê	Cu	63	22	437	19	4.4	0.000450	**0.2125**	ug/L
ê	Zn	66	35	267	19	7.1	0.000254	**0.6362**	ug/L
ê	Zn	68	430	480	13	2.6	0.000113	**0.5563**	ug/L
ê>	Ge	74	1063337	928140	2307	0.2	928140.028377		ug/L
ë	As	75	-210	-96	32	33.5	0.000094	**-0.0042**	ug/L
é	Se	77	121	155	6	3.7	0.000027	**1.2183**	ug/L
ê	Se	82	-1	14	24	167.3	0.000014	**-0.1510**	ug/L
ê	Sr	88	163	168203	2562	1.5	0.154119	**25.4677**	ug/L
ê	Mo	98	17	48	31	63.5	0.000028	**0.0126**	ug/L
ê	Ag	107	8	9	1	11.1	0.000000	**-0.0094**	ug/L
ê	Ag	109	8	9	1	11.1	0.000001	**-0.0047**	ug/L
ê	Cd	111	2	29	3	9.1	0.000025	**0.0290**	ug/L
ê	Cd	114	28	91	9	10.2	0.000057	**0.0238**	ug/L
ê>	In	115	1048196	1090250	7792	0.7	1090250.386098		ug/L
ê	Sn	120	421	259	39	15.2	-0.000164	**-0.0229**	ug/L

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ê	Sb	121	10	82	9	10.5	0.000066	**0.0300**	ug/L
ë	Ba	138	37	10214	305	3.0	0.009333	**1.3276**	ug/L
é>	Tm	169	958365	961137	2671	0.3	961136.654337		ug/L
ê	Tl	205	4	73	1	1.6	0.000071	**0.0031**	ug/L
ê	Pb	208	25	294	15	5.0	0.000280	**0.0205**	ug/L
ê	Bi	209	9	15	4	24.7	0.000006	**-0.0285**	ug/L
ê	Th	232	34	32	1	3.6	-0.000002	**-0.0098**	ug/L
ë	U	238	0	16	5	31.4	0.000017	**-0.0023**	ug/L
	C	13	31434	36263	308	0.8	4828.420469		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	91.049
⎢	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	87.286
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	104.012
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	100.289
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 16:31:21
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 107

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-SCV3.044
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	544729	3324	0.6	0.516336	**57.4146**	ug/L
ê	Be	9	2	7914	134	1.7	0.007500	**5.0390**	ug/L
ê	B	11	1620	454360	6546	1.4	0.429292	**221.8125**	ug/L
ê	Na	23	5158	36914533	164822	0.4	34.988291	**2220.8108**	ug/L
ê	Mg	24	306	9213742	40801	0.4	8.733588	**862.3561**	ug/L
ê	Al	27	1330	3144178	39731	1.3	2.979420	**217.4046**	ug/L
ê	K	39	590550	10033795	155069	1.5	8.997048	**425.4411**	ug/L
ê	Ca	44	3613	6002337	59360	1.0	5.686132	**9499.2455**	ug/L
ê>	Sc	45	1151382	1055069	13250	1.3	1055068.806538		ug/L
ê	Ti	47	24	29204	199	0.7	0.027663	**18.9738**	ug/L
ê	Ti	48	-161	299882	18109	6.0	0.284428	**19.9633**	ug/L
ê	V	51	27	343779	4156	1.2	0.325814	**19.1138**	ug/L
ê	Cr	52	13490	737145	7468	1.0	0.687026	**48.7602**	ug/L
ê	Cr	53	52	84945	1823	2.1	0.080461	**48.8888**	ug/L
ê	Mn	55	671	195598	1930	1.0	0.184817	**9.6948**	ug/L
ê	Fe	54	139906	1117496	13741	1.2	0.937851	**936.5831**	ug/L
ê	Fe	57	12378	411896	3510	0.9	0.379705	**969.4679**	ug/L
ê	Co	59	48	167055	2912	1.7	0.158306	**9.3830**	ug/L
ê	Ni	60	38	73041	997	1.4	0.069196	**18.9397**	ug/L
ë	Ni	62	79	11046	226	2.0	0.010400	**19.2916**	ug/L
é	Cu	65	8	72260	245	0.3	0.078869	**19.2871**	ug/L
ê	Cu	63	22	159571	2423	1.5	0.174177	**19.8225**	ug/L
ê	Zn	66	35	34497	525	1.5	0.037622	**21.1580**	ug/L
ê	Zn	68	430	24670	607	2.5	0.026523	**21.5510**	ug/L
ê>	Ge	74	1063337	916129	6855	0.7	916129.273707		ug/L
ë	As	75	-210	41611	747	1.8	0.045616	**21.7960**	ug/L
é	Se	77	121	5275	61	1.2	0.004812	**35.8080**	ug/L
ê	Se	82	-1	8916	215	2.4	0.008327	**37.4467**	ug/L
ê	Sr	88	163	568834	8832	1.6	0.531128	**17.5709**	ug/L
ê	Mo	98	17	16200	254	1.6	0.015118	**1.6933**	ug/L
ê	Ag	107	8	65903	472	0.7	0.061551	**3.2505**	ug/L
ê	Ag	109	8	66367	1520	2.3	0.062001	**3.3984**	ug/L
ê	Cd	111	2	7775	21	0.3	0.007262	**1.9813**	ug/L
ê	Cd	114	28	18293	44	0.2	0.017061	**1.9884**	ug/L
ê>	In	115	1048196	1070785	21506	2.0	1070785.349467		ug/L
ê	Sn	120	421	170206	837	0.5	0.158589	**9.9296**	ug/L

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ê	Sb	121	10	48490	336	0.7	0.045289	**3.9426**	ug/L
ë	Ba	138	37	357198	1850	0.5	0.333617	**9.4931**	ug/L
é>	Tm	169	958365	953672	15774	1.7	953671.891303		ug/L
ê	Tl	205	4	31827	228	0.7	0.033373	**1.0217**	ug/L
ê	Pb	208	25	414358	3774	0.9	0.434498	**9.9433**	ug/L
ê	Bi	209	9	326727	2156	0.7	0.342631	**10.1451**	ug/L
ê	Th	232	34	83281	457	0.5	0.087303	**1.9787**	ug/L
ë	U	238	0	85193	922	1.1	0.089351	**1.9980**	ug/L
	C	13	31434	35391	232	0.7	3956.570475		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	91.635
⎢	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	86.156
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	102.155
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	99.510
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 19:08:33
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CCV1.073
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	37195	258	0.7	0.032069	**3.5676**	ug/L
ê	Be	9	2	5869	73	1.2	0.005063	**3.3996**	ug/L
ê	B	11	1620	100774	832	0.8	0.085555	**44.1780**	ug/L
ê	Na	23	5158	5963406	36889	0.6	5.141851	**325.0950**	ug/L
ê	Mg	24	306	3801718	59444	1.6	3.280650	**322.8780**	ug/L
ê	Al	27	1330	553923	7408	1.3	0.476849	**34.6466**	ug/L
ê	K	39	590550	8560683	123023	1.4	6.873411	**324.6990**	ug/L
ê	Ca	44	3613	442291	3698	0.8	0.378571	**630.6551**	ug/L
ê>	Sc	45	1151382	1159162	26988	2.3	1159162.167576		ug/L
ê	Ti	47	24	6734	108	1.6	0.005789	**3.9666**	ug/L
ê	Ti	48	-161	66158	1121	1.7	0.057232	**4.0197**	ug/L
ê	V	51	27	59452	743	1.3	0.051284	**3.0096**	ug/L
ê	Cr	52	13490	62645	846	1.4	0.042337	**3.0204**	ug/L
ê	Cr	53	52	5964	37	0.6	0.005101	**3.0931**	ug/L
ê	Mn	55	671	28241	351	1.2	0.023793	**1.2445**	ug/L
ê	Fe	54	139906	265135	3186	1.2	0.107308	**111.1605**	ug/L
ê	Fe	57	12378	58088	821	1.4	0.039390	**101.1581**	ug/L
ê	Co	59	48	39606	332	0.8	0.034143	**2.0189**	ug/L
ê	Ni	60	38	17321	300	1.7	0.014911	**4.0647**	ug/L
ë	Ni	62	79	2736	116	4.2	0.002292	**4.2542**	ug/L
é	Cu	65	8	10493	101	1.0	0.009959	**2.4306**	ug/L
ê	Cu	63	22	22176	322	1.5	0.021048	**2.3878**	ug/L
ê	Zn	66	35	7369	154	2.1	0.006964	**3.9034**	ug/L
ê	Zn	68	430	5550	81	1.5	0.004867	**3.9710**	ug/L
ê>	Ge	74	1063337	1053376	30866	2.9	1053376.425970		ug/L
ë	As	75	-210	12255	295	2.4	0.011835	**5.6209**	ug/L
é	Se	77	121	1547	35	2.3	0.001296	**9.6701**	ug/L
ê	Se	82	-1	2397	87	3.6	0.002187	**9.7657**	ug/L
ê	Sr	88	163	34519	814	2.4	0.031330	**1.0298**	ug/L
ê	Mo	98	17	5862	75	1.3	0.005330	**0.5966**	ug/L
ê	Ag	107	8	8455	30	0.4	0.007705	**0.4052**	ug/L
ê	Ag	109	8	8046	172	2.1	0.007332	**0.4010**	ug/L
ê	Cd	111	2	1584	35	2.2	0.001443	**0.3930**	ug/L
ê	Cd	114	28	3765	81	2.1	0.003408	**0.3957**	ug/L
ê>	In	115	1048196	1096339	12719	1.2	1096338.655645		ug/L
ê	Sn	120	421	54012	405	0.8	0.048871	**3.0639**	ug/L

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ê	Sb	121	10	4932	126	2.6	0.004490	**0.3911**	ug/L
ë	Ba	138	37	37176	190	0.5	0.033877	**0.9639**	ug/L
é>	Tm	169	958365	978689	4792	0.5	978689.324337		ug/L
ê	Tl	205	4	6708	60	0.9	0.006849	**0.2084**	ug/L
ê	Pb	208	25	22535	96	0.4	0.023000	**0.5242**	ug/L
ê	Bi	209	9	35959	315	0.9	0.036731	**1.0824**	ug/L
ê	Th	232	34	18610	73	0.4	0.018981	**0.4287**	ug/L
ë	U	238	0	9551	261	2.7	0.009759	**0.2175**	ug/L
	C	13	31434	37095	323	0.9	5660.553097		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	100.676
⎢	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	99.063
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	104.593
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	102.121
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 19:12:54
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CCB1.074
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39	29	3	9.1	-0.000009	**0.0009**	ug/L
ê	Be	9	2	2	1	24.7	0.000000	**-0.0061**	ug/L
ê	B	11	1620	911	58	6.3	-0.000630	**-0.3602**	ug/L
ê	Na	23	5158	8485	68	0.8	0.002758	**-1.3178**	ug/L
ê	Mg	24	306	294	22	7.5	-0.000015	**-1.6895**	ug/L
ê	Al	27	1330	1383	97	7.0	0.000025	**-0.1749**	ug/L
ê	K	39	590550	685640	3548	0.5	0.071936	**2.0475**	ug/L
ê	Ca	44	3613	3945	67	1.7	0.000227	**-1.5329**	ug/L
ê>	Sc	45	1151382	1172415	8353	0.7	1172415.289872		ug/L
ê	Ti	47	24	27	3	9.8	0.000002	**-0.0038**	ug/L
ê	Ti	48	-161	-124	12	9.4	0.000034	**0.0059**	ug/L
ê	V	51	27	28	10	35.7	0.000000	**0.0013**	ug/L
ê	Cr	52	13490	12442	225	1.8	-0.001104	**-0.0617**	ug/L
ê	Cr	53	52	46	14	30.7	-0.000006	**-0.0103**	ug/L
ê	Mn	55	671	675	33	4.9	-0.000007	**-0.0045**	ug/L
ê	Fe	54	139906	137272	3303	2.4	-0.004417	**0.1239**	ug/L
ê	Fe	57	12378	10820	171	1.6	-0.001522	**-3.2268**	ug/L
ê	Co	59	48	50	4	8.4	0.000000	**-0.0061**	ug/L
ê	Ni	60	38	43	4	9.4	0.000004	**-0.0202**	ug/L
ë	Ni	62	79	97	16	16.1	0.000014	**0.0305**	ug/L
é	Cu	65	8	13	2	13.3	0.000005	**-0.0045**	ug/L
ê	Cu	63	22	28	5	17.4	0.000007	**-0.0080**	ug/L
ê	Zn	66	35	58	4	6.9	0.000023	**-0.0033**	ug/L
ê	Zn	68	430	403	30	7.4	-0.000016	**0.0069**	ug/L
ê>	Ge	74	1063337	1038652	7750	0.7	1038652.067168		ug/L
ë	As	75	-210	-202	34	16.8	0.000003	**-0.0446**	ug/L
é	Se	77	121	127	7	5.3	0.000000	**0.0416**	ug/L
ê	Se	82	-1	10	7	74.5	0.000009	**-0.0496**	ug/L
ê	Sr	88	163	174	21	11.9	0.000004	**-0.0070**	ug/L
ê	Mo	98	17	17	3	17.7	-0.000001	**-0.0007**	ug/L
ê	Ag	107	8	8	3	30.2	-0.000000	**-0.0019**	ug/L
ê	Ag	109	8	6	2	28.9	-0.000002	**-0.0011**	ug/L
ê	Cd	111	2	0	1	173.2	-0.000001	**-0.0014**	ug/L
ê	Cd	114	28	30	9	30.7	0.000001	**-0.0018**	ug/L
ê>	In	115	1048196	1098620	6324	0.6	1098619.755537		ug/L
ê	Sn	120	421	306	14	4.5	-0.000123	**-0.0020**	ug/L

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ê	Sb	121	10	28	4	15.0	0.000016	**0.0016**	ug/L
ë	Ba	138	37	29	7	25.6	-0.000008	**-0.0003**	ug/L
é>	Tm	169	958365	977012	4985	0.5	977011.844873		ug/L
ê	Tl	205	4	6	3	50.0	0.000002	**-0.0015**	ug/L
ê	Pb	208	25	21	7	31.2	-0.000004	**-0.0024**	ug/L
ê	Bi	209	9	9	4	37.6	-0.000000	**-0.0059**	ug/L
ê	Th	232	34	49	4	7.8	0.000014	**-0.0016**	ug/L
ë	U	238	0	0	1	173.2	-0.000000	**-0.0008**	ug/L
	C	13	31434	36230	16	0.0	4796.002848		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	101.827
⎢	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	97.679
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	104.811
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	101.946
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-BLK1
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 19:17:16
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 135

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-BLK1.075
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	2	1	69.3	-0.000000	**-0.0654**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	45495	849	1.9	0.031431	**5.0336**	ug/L
ê	Mg	24	306	2724	136	5.0	0.001884	**-15.0165**	ug/L
ê	Al	27	1330	5971	104	1.7	0.003559	**0.8317**	ug/L
ê	K	39	590550	689744	3758	0.5	0.031599	**1.3392**	ug/L
ê	Ca	44	3613	4995	99	2.0	0.000805	**-5.6618**	ug/L
ê>	Sc	45	1151382	1267016	19719	1.6	1267016.377495		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	936	21	2.3	0.000157	**0.0408**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	50	2	3.9	0.000006	**-0.1956**	ug/L
ë	Ni	62	79	104	7	6.9	0.000013	**0.2856**	ug/L
é	Cu	65	8	13	6	42.8	0.000004	**-0.0474**	ug/L
ê	Cu	63	22	31	3	11.2	0.000007	**-0.0789**	ug/L
ê	Zn	66	35	1171	23	1.9	0.001019	**5.5779**	ug/L
ê	Zn	68	430	1263	27	2.2	0.000732	**6.1392**	ug/L
ê>	Ge	74	1063337	1112108	3200	0.3	1112108.224936		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	27	4	13.7	0.000007	**0.0022**	ug/L
ê	Ag	107	8	9	4	43.7	-0.000000	**-0.0192**	ug/L
ê	Ag	109	8	5	2	43.3	-0.000003	**-0.0114**	ug/L
ê	Cd	111	2	3	2	57.3	0.000001	**-0.0081**	ug/L
ê	Cd	114	28	32	10	30.0	0.000001	**-0.0173**	ug/L
ê>	In	115	1048196	1138499	21345	1.9	1138498.593806		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	10	3	33.3	-0.000001	**0.0016**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1017128	15657	1.5	1017128.348644		ug/L
ê	Tl	205	4	7	1	14.3	0.000002	**-0.0149**	ug/L
ê	Pb	208	25	37	1	1.5	0.000011	**-0.0207**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	45812	46	0.1	14377.456303		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	110.043
⎢	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	104.587
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	108.615
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	106.132
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-BLK2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 19:20:25
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 136

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-BLK2.076
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	2	2	65.5	0.000000	**-0.0618**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	25669	282	1.1	0.015803	**-4.8926**	ug/L
ê	Mg	24	306	2851	92	3.2	0.001987	**-14.9144**	ug/L
ê	Al	27	1330	8718	453	5.2	0.005734	**2.4197**	ug/L
ê	K	39	590550	686158	3407	0.5	0.029277	**0.2377**	ug/L
ê	Ca	44	3613	5050	177	3.5	0.000853	**-4.8710**	ug/L
ê>	Sc	45	1151382	1265565	3431	0.3	1265565.080636		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	910	23	2.6	0.000137	**0.0302**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	57	9	15.9	0.000012	**-0.1804**	ug/L
ë	Ni	62	79	110	3	2.3	0.000018	**0.3710**	ug/L
é	Cu	65	8	13	1	4.6	0.000004	**-0.0482**	ug/L
ê	Cu	63	22	26	4	16.8	0.000003	**-0.0841**	ug/L
ê	Zn	66	35	1369	33	2.4	0.001197	**6.5796**	ug/L
ê	Zn	68	430	1383	61	4.4	0.000840	**7.0183**	ug/L
ê>	Ge	74	1063337	1112490	29989	2.7	1112490.131857		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	23	2	6.9	0.000004	**-0.0011**	ug/L
ê	Ag	107	8	6	2	33.3	-0.000003	**-0.0204**	ug/L
ê	Ag	109	8	6	4	62.0	-0.000002	**-0.0112**	ug/L
ê	Cd	111	2	2	1	34.6	-0.000000	**-0.0105**	ug/L
ê	Cd	114	28	31	5	16.4	0.000001	**-0.0178**	ug/L
ê>	In	115	1048196	1132055	14247	1.3	1132055.292944		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	7	1	14.3	-0.000003	**-0.0003**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1015664	5383	0.5	1015664.282865		ug/L
ê	Tl	205	4	5	3	53.9	0.000000	**-0.0156**	ug/L
ê	Pb	208	25	42	2	3.7	0.000015	**-0.0197**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	46990	251	0.5	15556.277314		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	109.917
⎢	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	104.623
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	108.000
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	105.979
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-BLK3
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 19:23:34
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 137

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-BLK3.077
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	2	1	24.7	0.000000	**-0.0615**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	252625	4020	1.6	0.198681	**111.2634**	ug/L
ê	Mg	24	306	2847	50	1.7	0.002024	**-14.8779**	ug/L
ê	Al	27	1330	8972	101	1.1	0.006059	**2.6573**	ug/L
ê	K	39	590550	686742	3018	0.4	0.039247	**4.9676**	ug/L
ê	Ca	44	3613	5105	109	2.1	0.000965	**-2.9865**	ug/L
ê>	Sc	45	1151382	1244332	35001	2.8	1244331.817279		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	921	21	2.2	0.000158	**0.0416**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	46	12	25.3	0.000004	**-0.2016**	ug/L
ë	Ni	62	79	103	17	16.9	0.000014	**0.2970**	ug/L
é	Cu	65	8	15	2	11.5	0.000006	**-0.0427**	ug/L
ê	Cu	63	22	31	8	26.6	0.000007	**-0.0790**	ug/L
ê	Zn	66	35	1535	39	2.5	0.001362	**7.5071**	ug/L
ê	Zn	68	430	1509	85	5.6	0.000969	**8.0622**	ug/L
ê>	Ge	74	1063337	1100389	23620	2.1	1100388.904824		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	22	1	5.6	0.000003	**-0.0029**	ug/L
ê	Ag	107	8	7	2	31.5	-0.000001	**-0.0198**	ug/L
ê	Ag	109	8	10	3	34.6	0.000001	**-0.0091**	ug/L
ê	Cd	111	2	1	1	43.3	-0.000000	**-0.0113**	ug/L
ê	Cd	114	28	26	3	12.7	-0.000004	**-0.0231**	ug/L
ê>	In	115	1048196	1136417	666	0.1	1136417.153342		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	7	3	37.7	-0.000003	**-0.0006**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1012735	9241	0.9	1012735.084365		ug/L
ê	Tl	205	4	7	2	34.6	0.000002	**-0.0149**	ug/L
ê	Pb	208	25	32	7	21.0	0.000006	**-0.0220**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	49900	1784	3.6	18466.192705		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	108.073
⎢	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	103.485
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	108.416
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	105.673
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-BLK4
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 19:26:43
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 138

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-BLK4.078
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	5	1	12.4	0.000002	**-0.0493**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	33534	504	1.5	0.022122	**-0.8789**	ug/L
ê	Mg	24	306	2609	43	1.6	0.001803	**-15.0961**	ug/L
ê	Al	27	1330	10451	21	0.2	0.007135	**3.4429**	ug/L
ê	K	39	590550	689995	4345	0.6	0.034413	**2.6743**	ug/L
ê	Ca	44	3613	5207	116	2.2	0.000993	**-2.5269**	ug/L
ê>	Sc	45	1151382	1260726	10306	0.8	1260726.291739		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	946	27	2.8	0.000168	**0.0468**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	49	8	16.6	0.000006	**-0.1960**	ug/L
ë	Ni	62	79	95	9	9.7	0.000007	**0.1661**	ug/L
é	Cu	65	8	15	7	42.4	0.000006	**-0.0425**	ug/L
ê	Cu	63	22	33	9	25.9	0.000009	**-0.0770**	ug/L
ê	Zn	66	35	1644	46	2.8	0.001440	**7.9431**	ug/L
ê	Zn	68	430	1618	28	1.7	0.001045	**8.6831**	ug/L
ê>	Ge	74	1063337	1116204	10456	0.9	1116203.957750		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	21	5	23.3	0.000002	**-0.0032**	ug/L
ê	Ag	107	8	11	4	32.8	0.000002	**-0.0181**	ug/L
ê	Ag	109	8	5	4	75.8	-0.000003	**-0.0114**	ug/L
ê	Cd	111	2	2	1	34.6	-0.000000	**-0.0105**	ug/L
ê	Cd	114	28	38	24	64.8	0.000007	**-0.0108**	ug/L
ê>	In	115	1048196	1127142	9711	0.9	1127142.088461		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	5	2	40.0	-0.000005	**-0.0019**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1015904	14638	1.4	1015903.663207		ug/L
ê	Tl	205	4	7	2	34.6	0.000002	**-0.0150**	ug/L
ê	Pb	208	25	22	6	28.2	-0.000004	**-0.0242**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	48496	352	0.7	17061.295929		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	109.497
⎢	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	104.972
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	107.532
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	106.004
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-BS1
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 19:29:52
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 139

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-BS1.079
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	2614	7	0.2	0.002089	**13.9870**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	16212	174	1.1	0.008484	**-9.5410**	ug/L
ê	Mg	24	306	1250	65	5.2	0.000733	**-16.1545**	ug/L
ê	Al	27	1330	207059	1278	0.6	0.164425	**118.3088**	ug/L
ê	K	39	590550	687929	4011	0.6	0.037208	**4.0003**	ug/L
ê	Ca	44	3613	4979	101	2.0	0.000844	**-5.0193**	ug/L
ê>	Sc	45	1151382	1250541	5460	0.4	1250540.890725		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	13646	225	1.7	0.010330	**5.3795**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	49	5	9.2	0.000006	**-0.1951**	ug/L
ë	Ni	62	79	99	9	9.3	0.000010	**0.2326**	ug/L
é	Cu	65	8	9835	162	1.6	0.008824	**21.5292**	ug/L
ê	Cu	63	22	20882	187	0.9	0.018733	**21.2417**	ug/L
ê	Zn	66	35	24355	79	0.3	0.021839	**122.7550**	ug/L
ê	Zn	68	430	17233	84	0.5	0.015073	**122.5584**	ug/L
ê>	Ge	74	1063337	1113593	14423	1.3	1113592.905642		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	4044	128	3.2	0.003583	**4.0084**	ug/L
ê	Ag	107	8	27129	306	1.1	0.024132	**12.7326**	ug/L
ê	Ag	109	8	25982	183	0.7	0.023114	**12.6630**	ug/L
ê	Cd	111	2	1171	11	0.9	0.001041	**2.8309**	ug/L
ê	Cd	114	28	2776	101	3.6	0.002443	**2.8314**	ug/L
ê>	In	115	1048196	1123778	6413	0.6	1123777.815791		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	2832	51	1.8	0.002511	**2.1881**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1012475	12988	1.3	1012474.645850		ug/L
ê	Tl	205	4	3492	44	1.2	0.003444	**1.0404**	ug/L
ê	Pb	208	25	25170	225	0.9	0.024835	**5.6615**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	48026	1092	2.3	16591.404021		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	108.612
⎢	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	104.726
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	107.211
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	105.646
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-SRM1
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 19:33:01
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 140

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-SRM1.080
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	22	2	6.8	0.000015	**0.0416**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	176540128	3161727	1.8	136.053324	**86400.2116**	ug/L
ê	Mg	24	306	7165950	45678	0.6	5.521514	**5445.7451**	ug/L
ê	Al	27	1330	13112594	67347	0.5	10.101865	**7375.4302**	ug/L
ê	K	39	590550	221749216	1652287	0.7	170.357012	**80801.1116**	ug/L
ê	Ca	44	3613	1142166	14125	1.2	0.876915	**14633.5690**	ug/L
ê>	Sc	45	1151382	1298157	25629	2.0	1298157.427192		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	47235	329	0.7	0.035812	**18.7520**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	3328	75	2.2	0.002530	**6.7212**	ug/L
ë	Ni	62	79	654	26	4.0	0.000435	**8.1072**	ug/L
é	Cu	65	8	42632	328	0.8	0.037394	**91.4154**	ug/L
ê	Cu	63	22	94130	868	0.9	0.082563	**93.9164**	ug/L
ê	Zn	66	35	63594	578	0.9	0.055758	**313.6526**	ug/L
ê	Zn	68	430	44741	155	0.3	0.038848	**315.5653**	ug/L
ê>	Ge	74	1063337	1139845	8213	0.7	1139844.796084		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	1793	36	2.0	0.001569	**1.7525**	ug/L
ê	Ag	107	8	366	26	7.2	0.000316	**0.1478**	ug/L
ê	Ag	109	8	343	14	4.1	0.000296	**0.1522**	ug/L
ê	Cd	111	2	694	7	1.0	0.000612	**1.6601**	ug/L
ê	Cd	114	28	1719	29	1.7	0.001494	**1.7239**	ug/L
ê>	In	115	1048196	1130784	12476	1.1	1130784.327979		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	55	9	15.6	0.000039	**0.0363**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1026905	24251	2.4	1026905.172738		ug/L
ê	Tl	205	4	217	14	6.2	0.000207	**0.0479**	ug/L
ê	Pb	208	25	6104	24	0.4	0.005920	**1.3319**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	254368	4437	1.7	222934.197853		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	112.748
⎢	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	107.195
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	107.879
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	107.152
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-SRM2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 19:36:11
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 141

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-SRM2.081
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	18	5	25.5	0.000012	**0.0201**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	264072691	2807548	1.1	209.097751	**132794.8481**	ug/L
ê	Mg	24	306	9556602	49378	0.5	7.566841	**7469.2579**	ug/L
ê	Al	27	1330	97563	1139	1.2	0.076107	**53.8121**	ug/L
ê	K	39	590550	262160608	4593913	1.8	207.061264	**98213.0476**	ug/L
ê	Ca	44	3613	1259157	2776	0.2	0.993916	**16588.5744**	ug/L
ê>	Sc	45	1151382	1263042	17039	1.3	1263042.167095		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	238525	2992	1.3	0.188286	**98.7687**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	13717	209	1.5	0.010830	**29.4634**	ug/L
ë	Ni	62	79	2153	43	2.0	0.001636	**30.3800**	ug/L
é	Cu	65	8	1337871	15929	1.2	1.196253	**2926.1988**	ug/L
ê	Cu	63	22	2781193	36680	1.3	2.486800	**2831.3051**	ug/L
ê	Zn	66	35	164475	2229	1.4	0.147034	**827.3648**	ug/L
ê	Zn	68	430	111875	1318	1.2	0.099623	**808.9263**	ug/L
ê>	Ge	74	1063337	1118494	12035	1.1	1118493.810561		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	22168	268	1.2	0.019638	**21.9979**	ug/L
ê	Ag	107	8	130343	2808	2.2	0.115532	**61.0285**	ug/L
ê	Ag	109	8	121897	806	0.7	0.108060	**59.2375**	ug/L
ê	Cd	111	2	104615	330	0.3	0.092741	**253.1546**	ug/L
ê	Cd	114	28	249375	1212	0.5	0.221048	**257.8490**	ug/L
ê>	In	115	1048196	1128080	13170	1.2	1128079.928349		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	476	19	4.1	0.000413	**0.3616**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1039422	12076	1.2	1039421.589398		ug/L
ê	Tl	205	4	259	34	13.2	0.000245	**0.0594**	ug/L
ê	Pb	208	25	6329	171	2.7	0.006063	**1.3645**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	245127	2301	0.9	213692.736035		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	109.698
⎢	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	105.187
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	107.621
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	108.458
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 19:39:20
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CCV2.082
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	5598	76	1.3	0.004848	**3.2548**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	5977546	132508	2.2	5.173968	**327.1349**	ug/L
ê	Mg	24	306	3737154	53038	1.4	3.236971	**318.5567**	ug/L
ê	Al	27	1330	545245	7823	1.4	0.471202	**34.2342**	ug/L
ê	K	39	590550	8526019	89453	1.0	6.872801	**324.6701**	ug/L
ê	Ca	44	3613	434344	3910	0.9	0.373154	**621.6043**	ug/L
ê>	Sc	45	1151382	1154416	11488	1.0	1154415.975650		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	28022	205	0.7	0.023693	**1.2392**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	17219	101	0.6	0.014883	**4.0570**	ug/L
ë	Ni	62	79	2566	58	2.3	0.002154	**3.9988**	ug/L
é	Cu	65	8	10378	307	3.0	0.009920	**2.4209**	ug/L
ê	Cu	63	22	22050	384	1.7	0.021069	**2.3901**	ug/L
ê	Zn	66	35	7575	191	2.5	0.007207	**4.0404**	ug/L
ê	Zn	68	430	5540	69	1.3	0.004894	**3.9923**	ug/L
ê>	Ge	74	1063337	1046148	22582	2.2	1046147.907988		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	5765	90	1.6	0.005119	**0.5730**	ug/L
ê	Ag	107	8	8315	93	1.1	0.007399	**0.3890**	ug/L
ê	Ag	109	8	8111	285	3.5	0.007219	**0.3948**	ug/L
ê	Cd	111	2	1564	45	2.9	0.001391	**0.3788**	ug/L
ê	Cd	114	28	3796	151	4.0	0.003356	**0.3896**	ug/L
ê>	In	115	1048196	1122662	5933	0.5	1122661.866293		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	5077	127	2.5	0.004512	**0.3930**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	993396	12982	1.3	993395.561073		ug/L
ê	Tl	205	4	6883	75	1.1	0.006926	**0.2108**	ug/L
ê	Pb	208	25	22851	178	0.8	0.022981	**0.5237**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	40038	1162	2.9	8603.510922		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	100.263
|	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	98.383
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	107.104
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	103.655
|	Tl	205	
|	Pb	208	
|	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: Thursday, March 20, 2014 19:42:30
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CCB2.083
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	1	1	43.3	-0.000001	**-0.0067**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	11975	3757	31.4	0.005582	**-1.1384**	ug/L
ê	Mg	24	306	571	168	29.4	0.000216	**-1.6667**	ug/L
ê	Al	27	1330	1303	20	1.6	-0.000058	**-0.1810**	ug/L
ê	K	39	590550	674374	4785	0.7	0.054525	**1.2215**	ug/L
ê	Ca	44	3613	3975	117	2.9	0.000205	**-1.5686**	ug/L
ê>	Sc	45	1151382	1188748	26749	2.3	1188747.744106		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	714	45	6.4	0.000018	**-0.0032**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	46	13	27.8	0.000006	**-0.0196**	ug/L
ë	Ni	62	79	89	16	17.7	0.000006	**0.0144**	ug/L
é	Cu	65	8	81	108	132.8	0.000070	**0.0114**	ug/L
ê	Cu	63	22	186	248	133.2	0.000158	**0.0092**	ug/L
ê	Zn	66	35	63	17	27.9	0.000027	**-0.0009**	ug/L
ê	Zn	68	430	406	7	1.7	-0.000015	**0.0079**	ug/L
ê>	Ge	74	1063337	1043517	15012	1.4	1043517.274220		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	19	7	36.6	0.000001	**-0.0005**	ug/L
ê	Ag	107	8	12	6	47.2	0.000003	**-0.0018**	ug/L
ê	Ag	109	8	7	4	62.3	-0.000001	**-0.0010**	ug/L
ê	Cd	111	2	5	6	114.6	0.000003	**-0.0001**	ug/L
ê	Cd	114	28	38	16	41.0	0.000008	**-0.0010**	ug/L
ê>	In	115	1048196	1110329	13200	1.2	1110329.269444		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	27	7	26.3	0.000015	**0.0015**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	985888	7784	0.8	985887.673668		ug/L
ê	Tl	205	4	4	0	0.0	-0.000000	**-0.0016**	ug/L
ê	Pb	208	25	27	3	9.8	0.000002	**-0.0023**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	37115	903	2.4	5680.621651		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	103.245
⎢	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	98.136
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	105.928
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	102.872
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-01RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 19:45:40
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 142

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-01RE2.084
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	1	0	0.0	-0.000001	**-0.0689**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	131522000	292444	0.2	104.302459	**66233.4463**	ug/L
ê	Mg	24	306	12662696	363233	2.9	10.040618	**9916.6511**	ug/L
ê	Al	27	1330	12432	66	0.5	0.008704	**4.5889**	ug/L
ê	K	39	590550	104225998	184921	0.2	82.145315	**38954.8310**	ug/L
ê	Ca	44	3613	241039	1758	0.7	0.188011	**3122.4293**	ug/L
ê>	Sc	45	1151382	1261042	14343	1.1	1261042.130756		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	13011	226	1.7	0.009734	**5.0670**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	227	0	0.1	0.000147	**0.1901**	ug/L
ë	Ni	62	79	140	6	4.3	0.000042	**0.8233**	ug/L
é	Cu	65	8	33614	261	0.8	0.030148	**73.6913**	ug/L
ê	Cu	63	22	74603	713	1.0	0.066911	**76.0959**	ug/L
ê	Zn	66	35	42127	655	1.6	0.037765	**212.3830**	ug/L
ê	Zn	68	430	28861	685	2.4	0.025479	**207.0375**	ug/L
ê>	Ge	74	1063337	1114951	19989	1.8	1114950.922468		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	134	18	13.3	0.000100	**0.1061**	ug/L
ê	Ag	107	8	59	4	6.9	0.000043	**0.0037**	ug/L
ê	Ag	109	8	43	9	19.9	0.000030	**0.0066**	ug/L
ê	Cd	111	2	55	12	21.0	0.000046	**0.1161**	ug/L
ê	Cd	114	28	146	6	4.2	0.000101	**0.0987**	ug/L
ê>	In	115	1048196	1149159	7643	0.7	1149158.559493		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	21	3	14.0	0.000009	**0.0099**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1030292	3091	0.3	1030291.989327		ug/L
ê	Tl	205	4	17	5	28.4	0.000012	**-0.0120**	ug/L
ê	Pb	208	25	1737	52	3.0	0.001660	**0.3567**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	125512	2080	1.7	94078.174670		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	109.524
⎢	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	104.854
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	109.632
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	107.505
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-DUP1
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 19:48:49
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 143

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-DUP1.085
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	3	1	33.3	0.000001	**-0.0585**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	133857515	1305088	1.0	103.381804	**65648.6859**	ug/L
ê	Mg	24	306	12945590	272262	2.1	10.000723	**9877.1808**	ug/L
ê	Al	27	1330	12674	361	2.8	0.008639	**4.5413**	ug/L
ê	K	39	590550	105023670	488234	0.5	80.590416	**38217.2107**	ug/L
ê	Ca	44	3613	255928	7608	3.0	0.194368	**3228.6454**	ug/L
ê>	Sc	45	1151382	1296344	49701	3.8	1296344.081348		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	13342	305	2.3	0.009723	**5.0610**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	1924	115	6.0	0.001454	**3.7729**	ug/L
ë	Ni	62	79	386	21	5.5	0.000229	**4.2936**	ug/L
é	Cu	65	8	35250	201	0.6	0.030981	**75.7283**	ug/L
ê	Cu	63	22	78233	1214	1.6	0.068763	**78.2048**	ug/L
ê	Zn	66	35	41395	489	1.2	0.036356	**204.4552**	ug/L
ê	Zn	68	430	28416	122	0.4	0.024576	**199.7067**	ug/L
ê>	Ge	74	1063337	1137600	13968	1.2	1137599.639728		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	146	2	1.4	0.000109	**0.1164**	ug/L
ê	Ag	107	8	59	6	9.3	0.000043	**0.0038**	ug/L
ê	Ag	109	8	54	7	13.3	0.000040	**0.0117**	ug/L
ê	Cd	111	2	55	12	21.4	0.000046	**0.1150**	ug/L
ê	Cd	114	28	147	11	7.7	0.000100	**0.0979**	ug/L
ê>	In	115	1048196	1159664	6022	0.5	1159663.875723		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	20	2	8.7	0.000008	**0.0093**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1043338	9933	1.0	1043337.866959		ug/L
ê	Tl	205	4	17	7	38.6	0.000012	**-0.0120**	ug/L
ê	Pb	208	25	1621	78	4.8	0.001528	**0.3264**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	129878	1823	1.4	98443.579052		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	112.590
⎢	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	106.984
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	110.634
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	108.866
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-MS1
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 19:51:58
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 144

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-MS1.086
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	2527	62	2.5	0.001973	**13.2069**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	123881947	3183968	2.6	96.794056	**61464.4360**	ug/L
ê	Mg	24	306	12000772	329420	2.7	9.377777	**9260.8787**	ug/L
ê	Al	27	1330	208473	3895	1.9	0.161740	**116.3477**	ug/L
ê	K	39	590550	97560718	1945320	2.0	75.722319	**35907.8597**	ug/L
ê	Ca	44	3613	224209	1013	0.5	0.172049	**2855.7031**	ug/L
ê>	Sc	45	1151382	1279916	10576	0.8	1279915.692099		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	25388	282	1.1	0.019254	**10.0629**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	197	16	8.2	0.000121	**0.1189**	ug/L
ë	Ni	62	79	137	15	10.7	0.000038	**0.7432**	ug/L
é	Cu	65	8	43898	456	1.0	0.039743	**97.1613**	ug/L
ê	Cu	63	22	96538	1674	1.7	0.087389	**99.4112**	ug/L
ê	Zn	66	35	62439	708	1.1	0.056512	**317.8975**	ug/L
ê	Zn	68	430	42680	325	0.8	0.038245	**310.6657**	ug/L
ê>	Ge	74	1063337	1104536	22067	2.0	1104535.835349		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	4064	57	1.4	0.003480	**3.8938**	ug/L
ê	Ag	107	8	26701	132	0.5	0.022968	**12.1173**	ug/L
ê	Ag	109	8	25521	472	1.9	0.021945	**12.0222**	ug/L
ê	Cd	111	2	1268	58	4.6	0.001089	**2.9627**	ug/L
ê	Cd	114	28	2994	71	2.4	0.002549	**2.9541**	ug/L
ê>	In	115	1048196	1162596	25237	2.2	1162596.206475		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	3048	94	3.1	0.002612	**2.2762**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1043789	8011	0.8	1043789.406227		ug/L
ê	Tl	205	4	3532	105	3.0	0.003380	**1.0208**	ug/L
ê	Pb	208	25	26313	275	1.0	0.025185	**5.7416**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	122113	2233	1.8	90678.919372		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	111.163
|	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	103.875
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	110.914
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	108.914
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-MSD1
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 19:55:07
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 145

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-MSD1.087
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	2628	48	1.8	0.002063	**13.8155**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	126120525	2058802	1.6	99.096092	**62926.5890**	ug/L
ê	Mg	24	306	12385289	58682	0.5	9.732009	**9611.3330**	ug/L
ê	Al	27	1330	217151	3879	1.8	0.169483	**122.0025**	ug/L
ê	K	39	590550	101065663	1364199	1.3	78.908546	**37419.3573**	ug/L
ê	Ca	44	3613	233494	3171	1.4	0.180334	**2994.1388**	ug/L
ê>	Sc	45	1151382	1272608	6755	0.5	1272607.735743		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	25255	472	1.9	0.019264	**10.0679**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	220	18	8.0	0.000140	**0.1710**	ug/L
ë	Ni	62	79	128	12	9.5	0.000032	**0.6298**	ug/L
é	Cu	65	8	44156	267	0.6	0.040151	**98.1589**	ug/L
ê	Cu	63	22	96793	749	0.8	0.088000	**100.1070**	ug/L
ê	Zn	66	35	61788	484	0.8	0.056159	**315.9109**	ug/L
ê	Zn	68	430	42496	1002	2.4	0.038236	**310.5920**	ug/L
ê>	Ge	74	1063337	1099714	13352	1.2	1099713.865149		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	4106	28	0.7	0.003546	**3.9677**	ug/L
ê	Ag	107	8	27302	776	2.8	0.023678	**12.4924**	ug/L
ê	Ag	109	8	25844	372	1.4	0.022416	**12.2802**	ug/L
ê	Cd	111	2	1245	16	1.3	0.001078	**2.9337**	ug/L
ê	Cd	114	28	3009	127	4.2	0.002584	**2.9954**	ug/L
ê>	In	115	1048196	1152598	12267	1.1	1152598.000121		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	3126	65	2.1	0.002703	**2.3553**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1041671	22790	2.2	1041670.708451		ug/L
ê	Tl	205	4	3530	74	2.1	0.003385	**1.0223**	ug/L
ê	Pb	208	25	26560	163	0.6	0.025478	**5.8086**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	122592	177	0.1	91157.881196		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	110.529
⎢	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	103.421
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	109.960
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	108.692
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-02RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 19:58:16
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 146

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-02RE2.088
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	3	1	34.6	0.000001	**-0.0570**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	111866527	899960	0.8	85.727713	**54435.5773**	ug/L
ê	Mg	24	306	11312406	118604	1.0	8.669212	**8559.8714**	ug/L
ê	Al	27	1330	24137	504	2.1	0.017342	**10.8973**	ug/L
ê	K	39	590550	98873308	1417440	1.4	75.260284	**35688.6776**	ug/L
ê	Ca	44	3613	222317	7096	3.2	0.167230	**2775.1819**	ug/L
ê>	Sc	45	1151382	1304836	9923	0.8	1304835.954606		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	8607	142	1.7	0.006014	**3.1144**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	461	23	5.0	0.000320	**0.6655**	ug/L
ë	Ni	62	79	168	13	7.7	0.000060	**1.1559**	ug/L
é	Cu	65	8	38625	290	0.8	0.034660	**84.7287**	ug/L
ê	Cu	63	22	84341	333	0.4	0.075688	**86.0885**	ug/L
ê	Zn	66	35	37128	1196	3.2	0.033307	**187.2981**	ug/L
ê	Zn	68	430	25371	325	1.3	0.022370	**181.7967**	ug/L
ê>	Ge	74	1063337	1114396	22898	2.1	1114395.605387		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	125	10	7.6	0.000090	**0.0944**	ug/L
ê	Ag	107	8	45	8	18.2	0.000030	**-0.0032**	ug/L
ê	Ag	109	8	36	4	11.3	0.000023	**0.0026**	ug/L
ê	Cd	111	2	25	10	40.0	0.000020	**0.0432**	ug/L
ê	Cd	114	28	103	20	19.8	0.000061	**0.0525**	ug/L
ê>	In	115	1048196	1178482	20433	1.7	1178482.129195		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	22	2	7.1	0.000009	**0.0103**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1045767	619	0.1	1045766.788301		ug/L
ê	Tl	205	4	11	4	35.5	0.000006	**-0.0138**	ug/L
ê	Pb	208	25	1331	28	2.1	0.001247	**0.2622**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	118942	1795	1.5	87507.288344		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	113.328
⎢	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	104.802
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	112.430
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	109.120
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-03RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 20:01:26
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 147

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-03RE2.089
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	3	2	45.8	0.000001	**-0.0559**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	128274634	716525	0.6	104.156722	**66140.8806**	ug/L
ê	Mg	24	306	12583477	162148	1.3	10.216320	**10090.4784**	ug/L
ê	Al	27	1330	34838	904	2.6	0.027132	**18.0462**	ug/L
ê	K	39	590550	99646729	192583	0.2	80.403278	**38128.4351**	ug/L
ê	Ca	44	3613	239399	3061	1.3	0.191253	**3176.5909**	ug/L
ê>	Sc	45	1151382	1231822	24761	2.0	1231822.386736		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	10061	252	2.5	0.007585	**3.9389**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	62	18	29.6	0.000017	**-0.1648**	ug/L
ë	Ni	62	79	114	15	13.4	0.000024	**0.4786**	ug/L
é	Cu	65	8	22566	286	1.3	0.020381	**49.7985**	ug/L
ê	Cu	63	22	51168	984	1.9	0.046209	**52.5255**	ug/L
ê	Zn	66	35	36740	313	0.9	0.033160	**186.4675**	ug/L
ê	Zn	68	430	25296	301	1.2	0.022451	**182.4522**	ug/L
ê>	Ge	74	1063337	1106942	9603	0.9	1106941.899062		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	127	7	5.6	0.000093	**0.0982**	ug/L
ê	Ag	107	8	40	1	2.5	0.000027	**-0.0050**	ug/L
ê	Ag	109	8	36	4	10.0	0.000024	**0.0031**	ug/L
ê	Cd	111	2	41	1	1.4	0.000034	**0.0814**	ug/L
ê	Cd	114	28	101	8	8.0	0.000061	**0.0522**	ug/L
ê>	In	115	1048196	1157502	4915	0.4	1157502.084244		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	24	7	30.6	0.000011	**0.0121**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1034755	12729	1.2	1034754.726277		ug/L
ê	Tl	205	4	20	3	16.3	0.000014	**-0.0111**	ug/L
ê	Pb	208	25	419	22	5.2	0.000379	**0.0635**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	120409	708	0.6	88974.439578		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	106.986
|	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	104.101
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	110.428
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	107.971
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-04RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 20:04:35
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 148

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-04RE2.090
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	4	3	66.1	0.000001	**-0.0525**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	121134289	2360328	1.9	98.523243	**62562.7398**	ug/L
ê	Mg	24	306	12507712	81811	0.7	10.174301	**10048.9080**	ug/L
ê	Al	27	1330	24495	34	0.1	0.018770	**11.9396**	ug/L
ê	K	39	590550	106837802	2049067	1.9	86.404339	**40975.2468**	ug/L
ê	Ca	44	3613	218044	2282	1.0	0.174221	**2891.9984**	ug/L
ê>	Sc	45	1151382	1229687	22641	1.8	1229686.558820		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	13394	103	0.8	0.010311	**5.3698**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	200	6	2.9	0.000129	**0.1423**	ug/L
ë	Ni	62	79	135	8	5.8	0.000041	**0.8017**	ug/L
é	Cu	65	8	42926	295	0.7	0.039548	**96.6857**	ug/L
ê	Cu	63	22	95634	1527	1.6	0.088118	**100.2410**	ug/L
ê	Zn	66	35	39506	617	1.6	0.036370	**204.5363**	ug/L
ê	Zn	68	430	27095	306	1.1	0.024564	**199.6069**	ug/L
ê>	Ge	74	1063337	1085204	9584	0.9	1085204.372684		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	100	4	3.6	0.000069	**0.0714**	ug/L
ê	Ag	107	8	40	3	7.3	0.000026	**-0.0053**	ug/L
ê	Ag	109	8	42	4	8.6	0.000029	**0.0057**	ug/L
ê	Cd	111	2	52	1	2.2	0.000043	**0.1060**	ug/L
ê	Cd	114	28	153	6	4.0	0.000104	**0.1026**	ug/L
ê>	In	115	1048196	1170280	11411	1.0	1170279.998503		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	25	6	24.8	0.000012	**0.0126**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1028311	19053	1.9	1028310.674686		ug/L
ê	Tl	205	4	13	2	12.1	0.000008	**-0.0132**	ug/L
ê	Pb	208	25	3196	19	0.6	0.003083	**0.6826**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	127207	2242	1.8	95773.083761		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	106.801
⎢	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	102.057
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	111.647
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	107.298
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-05RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 20:07:44
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 149

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-05RE2.091
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	3	2	57.3	0.000000	**-0.0596**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	139147577	1632658	1.2	112.552755	**71473.6743**	ug/L
ê	Mg	24	306	13098991	42842	0.3	10.598511	**10468.5941**	ug/L
ê	Al	27	1330	31885	541	1.7	0.024636	**16.2234**	ug/L
ê	K	39	590550	92245399	1187070	1.3	74.105459	**35140.8462**	ug/L
ê	Ca	44	3613	259982	5542	2.1	0.207147	**3442.1708**	ug/L
ê>	Sc	45	1151382	1236615	34368	2.8	1236614.748076		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	9195	134	1.5	0.006855	**3.5558**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	211	7	3.1	0.000137	**0.1640**	ug/L
ë	Ni	62	79	138	9	6.8	0.000043	**0.8379**	ug/L
é	Cu	65	8	35453	125	0.4	0.032884	**80.3833**	ug/L
ê	Cu	63	22	78342	850	1.1	0.072662	**82.6432**	ug/L
ê	Zn	66	35	35314	788	2.2	0.032728	**184.0392**	ug/L
ê	Zn	68	430	24308	95	0.4	0.022148	**179.9901**	ug/L
ê>	Ge	74	1063337	1077878	3012	0.3	1077877.954790		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	107	7	6.1	0.000077	**0.0802**	ug/L
ê	Ag	107	8	58	8	13.1	0.000043	**0.0035**	ug/L
ê	Ag	109	8	60	7	11.7	0.000045	**0.0145**	ug/L
ê	Cd	111	2	43	6	14.1	0.000036	**0.0871**	ug/L
ê	Cd	114	28	137	25	18.3	0.000092	**0.0885**	ug/L
ê>	In	115	1048196	1153454	16178	1.4	1153453.740616		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	18	6	32.2	0.000006	**0.0076**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1033831	5722	0.6	1033830.571283		ug/L
ê	Tl	205	4	13	4	31.9	0.000008	**-0.0132**	ug/L
ê	Pb	208	25	1999	20	1.0	0.001908	**0.4134**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	115878	975	0.8	84443.879894		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	107.403
⎢	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	101.368
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	110.042
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	107.874
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-06RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 20:10:53
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 150

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-06RE2.092
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	3	1	43.3	0.000000	**-0.0597**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	129124715	455644	0.4	103.869168	**65958.2387**	ug/L
ê	Mg	24	306	13185691	77129	0.6	10.606623	**10476.6194**	ug/L
ê	Al	27	1330	24007	338	1.4	0.018157	**11.4917**	ug/L
ê	K	39	590550	107230808	2029351	1.9	85.746762	**40663.3024**	ug/L
ê	Ca	44	3613	223612	2761	1.2	0.176738	**2934.0525**	ug/L
ê>	Sc	45	1151382	1243140	8873	0.7	1243139.895866		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	9216	135	1.5	0.006831	**3.5432**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	147	14	9.3	0.000085	**0.0209**	ug/L
ë	Ni	62	79	131	11	8.1	0.000037	**0.7241**	ug/L
é	Cu	65	8	40073	342	0.9	0.036168	**88.4169**	ug/L
ê	Cu	63	22	89538	1455	1.6	0.080797	**91.9057**	ug/L
ê	Zn	66	35	39348	1172	3.0	0.035496	**199.6146**	ug/L
ê	Zn	68	430	26862	343	1.3	0.023845	**193.7698**	ug/L
ê>	Ge	74	1063337	1107907	17277	1.6	1107906.861331		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	94	8	8.9	0.000064	**0.0655**	ug/L
ê	Ag	107	8	51	17	32.7	0.000036	**-0.0001**	ug/L
ê	Ag	109	8	46	2	3.3	0.000032	**0.0073**	ug/L
ê	Cd	111	2	19	3	13.9	0.000015	**0.0296**	ug/L
ê	Cd	114	28	74	13	17.4	0.000037	**0.0241**	ug/L
ê>	In	115	1048196	1175603	16887	1.4	1175603.080132		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	14	2	12.4	0.000003	**0.0047**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1041787	4662	0.4	1041787.336957		ug/L
ê	Tl	205	4	14	2	14.3	0.000009	**-0.0128**	ug/L
ê	Pb	208	25	1497	58	3.9	0.001411	**0.2998**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	122873	1711	1.4	91438.678155		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	107.969
⎢	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	104.192
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	112.155
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	108.705
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 20:14:04
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CCV3.093
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	5751	135	2.4	0.004984	**3.3463**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	6178845	89482	1.4	5.353245	**338.5218**	ug/L
ê	Mg	24	306	3884098	59818	1.5	3.367042	**331.4251**	ug/L
ê	Al	27	1330	565584	6602	1.2	0.489241	**35.5516**	ug/L
ê	K	39	590550	8711871	112907	1.3	7.041674	**332.6812**	ug/L
ê	Ca	44	3613	440449	3671	0.8	0.378738	**630.9352**	ug/L
ê>	Sc	45	1151382	1153499	19868	1.7	1153499.297247		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	28206	587	2.1	0.023869	**1.2485**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	16928	300	1.8	0.014644	**3.9914**	ug/L
ë	Ni	62	79	2579	53	2.1	0.002168	**4.0241**	ug/L
é	Cu	65	8	10002	150	1.5	0.009778	**2.3863**	ug/L
ê	Cu	63	22	21657	138	0.6	0.021171	**2.4018**	ug/L
ê	Zn	66	35	7263	116	1.6	0.007073	**3.9647**	ug/L
ê	Zn	68	430	5394	124	2.3	0.004874	**3.9761**	ug/L
ê>	Ge	74	1063337	1022028	11799	1.2	1022027.585964		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	5568	180	3.2	0.004898	**0.5482**	ug/L
ê	Ag	107	8	8519	140	1.6	0.007511	**0.3950**	ug/L
ê	Ag	109	8	8123	66	0.8	0.007160	**0.3916**	ug/L
ê	Cd	111	2	1644	16	1.0	0.001449	**0.3945**	ug/L
ê	Cd	114	28	3859	97	2.5	0.003378	**0.3922**	ug/L
ê>	In	115	1048196	1133379	15744	1.4	1133378.911726		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	5099	11	0.2	0.004490	**0.3911**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	991846	7090	0.7	991846.103080		ug/L
ê	Tl	205	4	6952	72	1.0	0.007005	**0.2132**	ug/L
ê	Pb	208	25	22997	221	1.0	0.023160	**0.5278**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	38893	663	1.7	7458.666908		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	100.184
⎢	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	96.115
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	108.127
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	103.494
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 20:17:13
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CCB3.094
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	1	1	86.6	-0.000001	**-0.0066**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	10311	177	1.7	0.004530	**-1.2053**	ug/L
ê	Mg	24	306	313	19	6.1	0.000007	**-1.6873**	ug/L
ê	Al	27	1330	1230	35	2.8	-0.000080	**-0.1826**	ug/L
ê	K	39	590550	697017	2201	0.3	0.096135	**3.1954**	ug/L
ê	Ca	44	3613	4063	95	2.3	0.000412	**-1.2230**	ug/L
ê>	Sc	45	1151382	1144464	3072	0.3	1144463.510461		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	690	23	3.4	0.000020	**-0.0031**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	40	5	13.0	0.000002	**-0.0208**	ug/L
ë	Ni	62	79	83	10	11.6	0.000004	**0.0109**	ug/L
é	Cu	65	8	20	3	17.3	0.000011	**-0.0029**	ug/L
ê	Cu	63	22	35	6	17.4	0.000013	**-0.0073**	ug/L
ê	Zn	66	35	68	11	16.3	0.000032	**0.0019**	ug/L
ê	Zn	68	430	403	19	4.7	-0.000017	**0.0062**	ug/L
ê>	Ge	74	1063337	1040975	14114	1.4	1040974.563407		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	12	4	37.0	-0.000006	**-0.0012**	ug/L
ê	Ag	107	8	6	2	36.7	-0.000003	**-0.0021**	ug/L
ê	Ag	109	8	5	2	44.6	-0.000003	**-0.0012**	ug/L
ê	Cd	111	2	3	2	57.3	0.000001	**-0.0008**	ug/L
ê	Cd	114	28	29	4	13.9	-0.000000	**-0.0020**	ug/L
ê>	In	115	1048196	1122490	6951	0.6	1122489.701098		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	23	6	24.3	0.000011	**0.0012**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	998924	12311	1.2	998924.117186		ug/L
ê	Tl	205	4	4	1	13.3	-0.000000	**-0.0016**	ug/L
ê	Pb	208	25	32	4	10.9	0.000007	**-0.0022**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	36776	93	0.3	5341.393961		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	99.399
|	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	97.897
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	107.088
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	104.232
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-07RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 20:20:23
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 151

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-07RE2.095
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	3	2	57.7	0.000001	**-0.0584**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	129304385	1820908	1.4	102.070902	**64816.0581**	ug/L
ê	Mg	24	306	13111552	154318	1.2	10.350694	**10223.4200**	ug/L
ê	Al	27	1330	26935	596	2.2	0.020108	**12.9168**	ug/L
ê	K	39	590550	103369177	1731886	1.7	81.105272	**38461.4502**	ug/L
ê	Ca	44	3613	244186	5975	2.4	0.189598	**3148.9435**	ug/L
ê>	Sc	45	1151382	1266929	29324	2.3	1266929.459490		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	8815	124	1.4	0.006377	**3.3049**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	57	16	27.5	0.000012	**-0.1801**	ug/L
ë	Ni	62	79	125	10	8.3	0.000030	**0.5916**	ug/L
é	Cu	65	8	35349	200	0.6	0.032096	**78.4547**	ug/L
ê	Cu	63	22	79048	1017	1.3	0.071780	**81.6390**	ug/L
ê	Zn	66	35	43234	442	1.0	0.039229	**220.6235**	ug/L
ê	Zn	68	430	29823	1094	3.7	0.026673	**216.7281**	ug/L
ê>	Ge	74	1063337	1101250	18402	1.7	1101250.039133		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	102	11	10.9	0.000070	**0.0730**	ug/L
ê	Ag	107	8	139	12	8.6	0.000110	**0.0391**	ug/L
ê	Ag	109	8	118	19	16.1	0.000092	**0.0406**	ug/L
ê	Cd	111	2	67	13	19.1	0.000055	**0.1402**	ug/L
ê	Cd	114	28	186	15	8.2	0.000131	**0.1341**	ug/L
ê>	In	115	1048196	1182045	12583	1.1	1182044.836400		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	22	5	22.7	0.000009	**0.0105**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1053901	9509	0.9	1053901.042381		ug/L
ê	Tl	205	4	14	3	17.6	0.000009	**-0.0128**	ug/L
ê	Pb	208	25	1214	43	3.5	0.001127	**0.2347**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	121451	3182	2.6	90016.762285		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	110.036
⎢	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	103.565
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	112.769
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	109.969
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-08RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 20:23:32
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 152

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-08RE2.096
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	4	3	87.7	0.000001	**-0.0547**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	133251027	1643594	1.2	106.837747	**67843.7505**	ug/L
ê	Mg	24	306	12946751	242647	1.9	10.377660	**10250.0978**	ug/L
ê	Al	27	1330	10245	17	0.2	0.007058	**3.3868**	ug/L
ê	K	39	590550	93363231	581046	0.6	74.329940	**35247.3367**	ug/L
ê	Ca	44	3613	233957	1354	0.6	0.184409	**3062.2391**	ug/L
ê>	Sc	45	1151382	1247897	32360	2.6	1247896.896650		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	7397	87	1.2	0.005348	**2.7650**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	147	11	7.8	0.000085	**0.0196**	ug/L
ë	Ni	62	79	129	19	14.7	0.000035	**0.6898**	ug/L
é	Cu	65	8	40715	274	0.7	0.036803	**89.9711**	ug/L
ê	Cu	63	22	89118	2451	2.8	0.080551	**91.6253**	ug/L
ê	Zn	66	35	37545	389	1.0	0.033911	**190.6935**	ug/L
ê	Zn	68	430	26473	734	2.8	0.023530	**191.2094**	ug/L
ê>	Ge	74	1063337	1106058	7652	0.7	1106058.198165		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	111	13	11.9	0.000080	**0.0835**	ug/L
ê	Ag	107	8	35	6	15.9	0.000022	**-0.0073**	ug/L
ê	Ag	109	8	33	2	6.4	0.000021	**0.0015**	ug/L
ê	Cd	111	2	38	7	19.0	0.000031	**0.0748**	ug/L
ê	Cd	114	28	121	10	7.9	0.000078	**0.0719**	ug/L
ê>	In	115	1048196	1159344	15039	1.3	1159344.011053		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	20	6	30.0	0.000008	**0.0093**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1028135	21293	2.1	1028135.269616		ug/L
ê	Tl	205	4	15	3	20.8	0.000010	**-0.0126**	ug/L
ê	Pb	208	25	1684	44	2.6	0.001613	**0.3459**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	118644	1932	1.6	87209.842089		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	108.383
⎢	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	104.018
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	110.604
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	107.280
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-09RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 20:26:41
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 153

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-09RE2.097
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	1	1	43.3	-0.000001	**-0.0670**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	250573849	2401030	1.0	201.650215	**128064.4979**	ug/L
ê	Mg	24	306	30051427	611860	2.0	24.186383	**23911.5459**	ug/L
ê	Al	27	1330	29400	298	1.0	0.022506	**14.6677**	ug/L
ê	K	39	590550	23683459	419823	1.8	18.547705	**8785.0969**	ug/L
ê	Ca	44	3613	4266597	60003	1.4	3.429771	**57290.1261**	ug/L
ê>	Sc	45	1151382	1242899	19684	1.6	1242899.252501		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	6740	160	2.4	0.004841	**2.4992**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	-366	54	14.6	-0.000328	**-1.1120**	ug/L
ë	Ni	62	79	221	20	9.0	0.000109	**2.0578**	ug/L
é	Cu	65	8	1387	34	2.5	0.001301	**3.1265**	ug/L
ê	Cu	63	22	5678	200	3.5	0.005341	**5.9942**	ug/L
ê	Zn	66	35	2951	62	2.1	0.002753	**15.3369**	ug/L
ê	Zn	68	430	2425	43	1.8	0.001885	**15.5033**	ug/L
ê>	Ge	74	1063337	1059157	10131	1.0	1059156.784894		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	2252	63	2.8	0.001892	**2.1145**	ug/L
ê	Ag	107	8	40	7	16.4	0.000026	**-0.0053**	ug/L
ê	Ag	109	8	32	3	8.3	0.000020	**0.0009**	ug/L
ê	Cd	111	2	6	2	28.9	0.000003	**-0.0006**	ug/L
ê	Cd	114	28	47	8	17.9	0.000013	**-0.0034**	ug/L
ê>	In	115	1048196	1179673	6444	0.5	1179672.513127		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	19	8	40.2	0.000007	**0.0085**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1041115	16478	1.6	1041115.479767		ug/L
ê	Tl	205	4	11	4	39.0	0.000006	**-0.0138**	ug/L
ê	Pb	208	25	3678	64	1.7	0.003507	**0.7795**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	96059	1288	1.3	64624.362259		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	107.948
⎢	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	99.607
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	112.543
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	108.635
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-DUP2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 20:29:50
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 154

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-DUP2.098
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	2	1	49.5	0.000000	**-0.0609**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	255302062	5223609	2.0	216.099432	**137242.0108**	ug/L
ê	Mg	24	306	30896516	430525	1.4	26.152003	**25856.2017**	ug/L
ê	Al	27	1330	23619	854	3.6	0.018834	**11.9863**	ug/L
ê	K	39	590550	23184777	486332	2.1	19.111402	**9052.5063**	ug/L
ê	Ca	44	3613	4247696	63017	1.5	3.592356	**60006.8167**	ug/L
ê>	Sc	45	1151382	1181417	16832	1.4	1181417.218947		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	6819	80	1.2	0.005191	**2.6825**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	-292	51	17.4	-0.000281	**-0.9812**	ug/L
ë	Ni	62	79	223	9	4.0	0.000120	**2.2664**	ug/L
é	Cu	65	8	1463	69	4.7	0.001412	**3.3960**	ug/L
ê	Cu	63	22	5744	196	3.4	0.005549	**6.2309**	ug/L
ê	Zn	66	35	3924	135	3.4	0.003774	**21.0785**	ug/L
ê	Zn	68	430	3002	21	0.7	0.002506	**20.5448**	ug/L
ê>	Ge	74	1063337	1031631	23229	2.3	1031631.454205		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	2164	55	2.6	0.001825	**2.0389**	ug/L
ê	Ag	107	8	52	10	18.9	0.000036	**0.0001**	ug/L
ê	Ag	109	8	51	8	15.3	0.000036	**0.0097**	ug/L
ê	Cd	111	2	8	4	50.0	0.000005	**0.0041**	ug/L
ê	Cd	114	28	44	5	11.1	0.000011	**-0.0061**	ug/L
ê>	In	115	1048196	1175526	10696	0.9	1175525.901024		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	23	6	25.1	0.000011	**0.0116**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1046884	16199	1.5	1046883.806943		ug/L
ê	Tl	205	4	10	3	33.3	0.000005	**-0.0141**	ug/L
ê	Pb	208	25	2936	93	3.2	0.002779	**0.6128**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	95893	1828	1.9	64458.291049		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	102.609
|	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	97.018
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	112.148
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	109.236
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-MS2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 20:32:59
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 155

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-MS2.099
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	2611	71	2.7	0.002136	**14.3046**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	259592111	2350232	0.9	212.522180	**134969.8965**	ug/L
ê	Mg	24	306	33367525	261169	0.8	27.316988	**27008.7612**	ug/L
ê	Al	27	1330	235922	4571	1.9	0.191965	**138.4210**	ug/L
ê	K	39	590550	23758551	39470	0.2	18.937096	**8969.8184**	ug/L
ê	Ca	44	3613	5250671	80591	1.5	4.295807	**71761.0265**	ug/L
ê>	Sc	45	1151382	1221819	24439	2.0	1221818.638458		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	20227	320	1.6	0.015974	**8.3412**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	-517	58	11.2	-0.000456	**-1.4628**	ug/L
ë	Ni	62	79	227	18	7.7	0.000117	**2.2190**	ug/L
é	Cu	65	8	9909	132	1.3	0.009582	**23.3834**	ug/L
ê	Cu	63	22	24768	441	1.8	0.023954	**27.1860**	ug/L
ê	Zn	66	35	26127	555	2.1	0.025247	**141.9326**	ug/L
ê	Zn	68	430	18069	448	2.5	0.017078	**138.8366**	ug/L
ê>	Ge	74	1063337	1033763	26919	2.6	1033763.487081		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	6409	70	1.1	0.005397	**6.0410**	ug/L
ê	Ag	107	8	26223	541	2.1	0.022136	**11.6779**	ug/L
ê	Ag	109	8	26269	649	2.5	0.022176	**12.1486**	ug/L
ê	Cd	111	2	1250	6	0.5	0.001054	**2.8675**	ug/L
ê	Cd	114	28	2954	97	3.3	0.002468	**2.8596**	ug/L
ê>	In	115	1048196	1184128	16102	1.4	1184127.951526		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	3256	43	1.3	0.002741	**2.3880**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1040669	20636	2.0	1040668.867249		ug/L
ê	Tl	205	4	3479	84	2.4	0.003339	**1.0081**	ug/L
ê	Pb	208	25	27555	351	1.3	0.026455	**6.0323**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	97653	2321	2.4	66218.535363		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	106.118
⎢	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	97.219
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	112.968
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	108.588
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-MSD2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 20:36:09
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 156

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-MSD2.100
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	2664	66	2.5	0.002155	**14.4352**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	271951606	1889042	0.7	220.175519	**139830.9639**	ug/L
ê	Mg	24	306	27680649	243909	0.9	22.410739	**22154.8394**	ug/L
ê	Al	27	1330	255698	1041	0.4	0.205866	**148.5727**	ug/L
ê	K	39	590550	24954659	338751	1.4	19.690576	**9327.2575**	ug/L
ê	Ca	44	3613	1716970	13979	0.8	1.386993	**23156.6396**	ug/L
ê>	Sc	45	1151382	1235141	3999	0.3	1235141.123071		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	17213	124	0.7	0.013354	**6.9664**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	162	44	27.4	0.000098	**0.0568**	ug/L
ë	Ni	62	79	192	5	2.6	0.000087	**1.6470**	ug/L
é	Cu	65	8	9914	285	2.9	0.009607	**23.4437**	ug/L
ê	Cu	63	22	24817	504	2.0	0.024048	**27.2929**	ug/L
ê	Zn	66	35	26000	302	1.2	0.025185	**141.5826**	ug/L
ê	Zn	68	430	17945	234	1.3	0.016999	**138.1939**	ug/L
ê>	Ge	74	1063337	1031155	13983	1.4	1031154.582059		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	5459	82	1.5	0.004655	**5.2103**	ug/L
ê	Ag	107	8	26834	328	1.2	0.022955	**12.1104**	ug/L
ê	Ag	109	8	26517	306	1.2	0.022684	**12.4274**	ug/L
ê	Cd	111	2	1262	43	3.4	0.001078	**2.9328**	ug/L
ê	Cd	114	28	2993	39	1.3	0.002535	**2.9378**	ug/L
ê>	In	115	1048196	1168586	2917	0.2	1168586.233193		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	3253	20	0.6	0.002774	**2.4172**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1043779	12370	1.2	1043779.228716		ug/L
ê	Tl	205	4	3622	54	1.5	0.003465	**1.0469**	ug/L
ê	Pb	208	25	26737	429	1.6	0.025592	**5.8348**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	93069	1859	2.0	61634.711726		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	107.275
⎢	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	96.973
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	111.485
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	108.912
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-10RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 20:39:18
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 157

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-10RE2.101
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	8	2	25.0	0.000005	**-0.0281**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	254730310	3205741	1.3	209.537231	**133073.9870**	ug/L
ê	Mg	24	306	31256852	315861	1.0	25.710832	**25419.7355**	ug/L
ê	Al	27	1330	484421	3288	0.7	0.397320	**288.3877**	ug/L
ê	K	39	590550	22234512	429765	1.9	17.777845	**8419.8873**	ug/L
ê	Ca	44	3613	3573226	40122	1.1	2.936219	**49043.1928**	ug/L
ê>	Sc	45	1151382	1215678	4335	0.4	1215677.536861		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	12482	112	0.9	0.009685	**5.0410**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	-7	28	413.5	-0.000039	**-0.3185**	ug/L
ë	Ni	62	79	295	8	2.7	0.000173	**3.2593**	ug/L
é	Cu	65	8	1232	48	3.9	0.001171	**2.8086**	ug/L
ê	Cu	63	22	5384	92	1.7	0.005131	**5.7547**	ug/L
ê	Zn	66	35	4522	120	2.7	0.004294	**24.0086**	ug/L
ê	Zn	68	430	3499	84	2.4	0.002943	**24.0873**	ug/L
ê>	Ge	74	1063337	1045277	9918	0.9	1045276.861668		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	1315	29	2.2	0.001112	**1.2404**	ug/L
ê	Ag	107	8	24	5	21.7	0.000012	**-0.0125**	ug/L
ê	Ag	109	8	22	6	25.3	0.000012	**-0.0036**	ug/L
ê	Cd	111	2	10	2	14.8	0.000007	**0.0097**	ug/L
ê	Cd	114	28	57	6	10.7	0.000023	**0.0076**	ug/L
ê>	In	115	1048196	1165381	2314	0.2	1165380.508824		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	42	4	8.6	0.000027	**0.0256**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1040430	11650	1.1	1040429.600559		ug/L
ê	Tl	205	4	13	3	20.4	0.000008	**-0.0131**	ug/L
ê	Pb	208	25	2390	41	1.7	0.002272	**0.4968**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	102441	1873	1.8	71006.850481		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	105.584
⎢	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	98.302
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	111.180
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	108.563
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-11RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 20:42:26
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 158

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-11RE2.102
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	5	1	24.7	0.000002	**-0.0484**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	262078957	4216253	1.6	215.236683	**136694.0300**	ug/L
ê	Mg	24	306	31013201	143625	0.5	25.472093	**25183.5434**	ug/L
ê	Al	27	1330	132298	2287	1.7	0.107511	**76.7455**	ug/L
ê	K	39	590550	23888125	532364	2.2	19.104912	**9049.4276**	ug/L
ê	Ca	44	3613	3312962	29894	0.9	2.717849	**45394.3706**	ug/L
ê>	Sc	45	1151382	1217578	13136	1.1	1217577.751645		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	6959	62	0.9	0.005133	**2.6523**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	228	48	20.9	0.000154	**0.2108**	ug/L
ë	Ni	62	79	296	10	3.4	0.000174	**3.2719**	ug/L
é	Cu	65	8	1147	18	1.6	0.001095	**2.6229**	ug/L
ê	Cu	63	22	5311	99	1.9	0.005087	**5.7047**	ug/L
ê	Zn	66	35	3749	60	1.6	0.003572	**19.9428**	ug/L
ê	Zn	68	430	2994	50	1.7	0.002475	**20.2903**	ug/L
ê>	Ge	74	1063337	1040112	24862	2.4	1040112.484960		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	4580	96	2.1	0.003822	**4.2765**	ug/L
ê	Ag	107	8	54	9	17.3	0.000037	**0.0005**	ug/L
ê	Ag	109	8	56	8	14.6	0.000039	**0.0116**	ug/L
ê	Cd	111	2	8	1	13.9	0.000005	**0.0045**	ug/L
ê	Cd	114	28	53	10	19.6	0.000018	**0.0024**	ug/L
ê>	In	115	1048196	1193155	9022	0.8	1193154.603719		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	30	4	12.0	0.000016	**0.0162**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1057832	22867	2.2	1057832.297920		ug/L
ê	Tl	205	4	7	3	39.4	0.000002	**-0.0148**	ug/L
ê	Pb	208	25	1653	15	0.9	0.001538	**0.3287**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	101961	323	0.3	70526.688458		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	105.749
⎢	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	97.816
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	113.829
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	110.379
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 20:45:37
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CCV4.103
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	5875	170	2.9	0.005144	**3.4542**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	6359246	30307	0.5	5.566402	**352.0606**	ug/L
ê	Mg	24	306	4118366	77620	1.9	3.608192	**355.2829**	ug/L
ê	Al	27	1330	590252	7207	1.2	0.515980	**37.5043**	ug/L
ê	K	39	590550	8835586	74171	0.8	7.227349	**341.4893**	ug/L
ê	Ca	44	3613	435387	3324	0.8	0.378253	**630.1250**	ug/L
ê>	Sc	45	1151382	1141810	21832	1.9	1141810.323666		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	26885	418	1.6	0.022965	**1.2010**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	16519	567	3.4	0.014433	**3.9337**	ug/L
ë	Ni	62	79	2577	40	1.6	0.002189	**4.0640**	ug/L
é	Cu	65	8	9863	176	1.8	0.009850	**2.4039**	ug/L
ê	Cu	63	22	21637	296	1.4	0.021611	**2.4518**	ug/L
ê	Zn	66	35	7146	165	2.3	0.007109	**3.9852**	ug/L
ê	Zn	68	430	5233	41	0.8	0.004828	**3.9390**	ug/L
ê>	Ge	74	1063337	1000441	17198	1.7	1000441.333344		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	5401	101	1.9	0.004647	**0.5201**	ug/L
ê	Ag	107	8	8357	55	0.7	0.007206	**0.3789**	ug/L
ê	Ag	109	8	8525	171	2.0	0.007351	**0.4020**	ug/L
ê	Cd	111	2	1674	17	1.0	0.001444	**0.3931**	ug/L
ê	Cd	114	28	4010	108	2.7	0.003435	**0.3989**	ug/L
ê>	In	115	1048196	1158504	13572	1.2	1158503.563812		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	5210	112	2.2	0.004489	**0.3910**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1011244	7104	0.7	1011244.087173		ug/L
ê	Tl	205	4	6918	74	1.1	0.006836	**0.2080**	ug/L
ê	Pb	208	25	22852	244	1.1	0.022574	**0.5144**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	39132	957	2.4	7697.662632		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	99.169
⎢	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	94.085
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	110.524
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	105.518
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 20:48:46
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CCB4.104
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	2	2	124.9	-0.000000	**-0.0064**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	22266	17169	77.1	0.014892	**-0.5471**	ug/L
ê	Mg	24	306	1643	2237	136.2	0.001158	**-1.5735**	ug/L
ê	Al	27	1330	1312	49	3.8	-0.000008	**-0.1774**	ug/L
ê	K	39	590550	719414	8561	1.2	0.115911	**4.1336**	ug/L
ê	Ca	44	3613	4377	128	2.9	0.000687	**-0.7632**	ug/L
ê>	Sc	45	1151382	1144163	20514	1.8	1144162.654941		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	703	8	1.2	0.000032	**-0.0025**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	40	8	20.2	0.000002	**-0.0207**	ug/L
ë	Ni	62	79	105	3	3.1	0.000023	**0.0461**	ug/L
é	Cu	65	8	14	5	34.6	0.000006	**-0.0042**	ug/L
ê	Cu	63	22	35	7	20.0	0.000015	**-0.0071**	ug/L
ê	Zn	66	35	54	6	11.3	0.000021	**-0.0040**	ug/L
ê	Zn	68	430	410	27	6.5	0.000009	**0.0272**	ug/L
ê>	Ge	74	1063337	992012	4331	0.4	992012.055519		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	16	2	11.8	-0.000003	**-0.0009**	ug/L
ê	Ag	107	8	7	1	14.3	-0.000002	**-0.0020**	ug/L
ê	Ag	109	8	6	2	33.3	-0.000002	**-0.0011**	ug/L
ê	Cd	111	2	4	1	13.3	0.000002	**-0.0004**	ug/L
ê	Cd	114	28	32	2	5.5	0.000002	**-0.0017**	ug/L
ê>	In	115	1048196	1149399	13471	1.2	1149399.375209		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	28	4	12.9	0.000015	**0.0015**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1022428	7525	0.7	1022427.681819		ug/L
ê	Tl	205	4	4	4	90.1	-0.000001	**-0.0016**	ug/L
ê	Pb	208	25	28	4	14.7	0.000002	**-0.0023**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	37805	23	0.1	6370.742117		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	99.373
⎢	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	93.292
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	109.655
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	106.685
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-12RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 20:51:56
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 159

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-12RE2.105
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	3	2	57.3	0.000000	**-0.0597**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	267577525	2278159	0.9	217.068408	**137857.4622**	ug/L
ê	Mg	24	306	31993946	865527	2.7	25.951612	**25657.9475**	ug/L
ê	Al	27	1330	48708	654	1.3	0.038358	**26.2446**	ug/L
ê	K	39	590550	21601992	142945	0.7	17.012357	**8056.7512**	ug/L
ê	Ca	44	3613	4103900	32932	0.8	3.326466	**55563.9749**	ug/L
ê>	Sc	45	1151382	1232679	12799	1.0	1232678.844774		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	5979	191	3.2	0.004269	**2.1989**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	-66	42	63.4	-0.000087	**-0.4503**	ug/L
ë	Ni	62	79	292	9	3.2	0.000168	**3.1621**	ug/L
é	Cu	65	8	1225	59	4.8	0.001154	**2.7652**	ug/L
ê	Cu	63	22	5511	221	4.0	0.005204	**5.8381**	ug/L
ê	Zn	66	35	3581	43	1.2	0.003361	**18.7587**	ug/L
ê	Zn	68	430	2795	93	3.3	0.002245	**18.4246**	ug/L
ê>	Ge	74	1063337	1055048	10561	1.0	1055047.653164		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	2701	28	1.0	0.002274	**2.5425**	ug/L
ê	Ag	107	8	30	3	8.5	0.000017	**-0.0099**	ug/L
ê	Ag	109	8	30	5	16.3	0.000018	**0.0002**	ug/L
ê	Cd	111	2	11	2	14.3	0.000007	**0.0102**	ug/L
ê	Cd	114	28	51	12	22.9	0.000017	**0.0003**	ug/L
ê>	In	115	1048196	1178931	8718	0.7	1178930.932511		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	46	10	20.7	0.000030	**0.0285**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1051318	11605	1.1	1051317.642705		ug/L
ê	Tl	205	4	8	4	54.3	0.000003	**-0.0147**	ug/L
ê	Pb	208	25	3770	109	2.9	0.003560	**0.7917**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	99932	649	0.6	68497.432210		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	107.061
⎢	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	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	112.472
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	109.699
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-DUP3
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 20:55:05
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 160

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-DUP3.106
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	3	2	45.8	0.000001	**-0.0561**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	261858855	781249	0.3	212.803460	**135148.5529**	ug/L
ê	Mg	24	306	31585117	108322	0.3	25.669580	**25378.9240**	ug/L
ê	Al	27	1330	75764	897	1.2	0.060425	**42.3593**	ug/L
ê	K	39	590550	21309497	384826	1.8	16.807842	**7959.7326**	ug/L
ê	Ca	44	3613	4281645	116169	2.7	3.477641	**58090.0142**	ug/L
ê>	Sc	45	1151382	1230734	22172	1.8	1230733.799901		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	5472	105	1.9	0.003864	**1.9861**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	528	76	14.4	0.000395	**0.8698**	ug/L
ë	Ni	62	79	387	16	4.2	0.000246	**4.6025**	ug/L
é	Cu	65	8	1618	19	1.1	0.001565	**3.7710**	ug/L
ê	Cu	63	22	6394	16	0.3	0.006193	**6.9641**	ug/L
ê	Zn	66	35	5551	76	1.4	0.005361	**30.0103**	ug/L
ê	Zn	68	430	4160	137	3.3	0.003638	**29.7324**	ug/L
ê>	Ge	74	1063337	1029079	1981	0.2	1029078.589044		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	13737	66	0.5	0.011535	**12.9191**	ug/L
ê	Ag	107	8	48	9	17.8	0.000032	**-0.0019**	ug/L
ê	Ag	109	8	54	8	14.5	0.000038	**0.0108**	ug/L
ê	Cd	111	2	24	8	32.5	0.000019	**0.0405**	ug/L
ê	Cd	114	28	83	11	13.0	0.000043	**0.0313**	ug/L
ê>	In	115	1048196	1189212	10520	0.9	1189211.569702		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	35	6	17.4	0.000020	**0.0199**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1056926	6674	0.6	1056926.102625		ug/L
ê	Tl	205	4	6	2	36.7	0.000001	**-0.0153**	ug/L
ê	Pb	208	25	1486	80	5.4	0.001380	**0.2927**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	98294	512	0.5	66859.456639		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	106.892
⎢	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	96.778
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	113.453
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	110.284
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-MS3
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 20:58:14
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 201

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-MS3.107
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	2732	118	4.3	0.002191	**14.6767**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	254502609	1901371	0.7	204.339136	**129772.3837**	ug/L
ê	Mg	24	306	31797056	739330	2.3	25.528152	**25239.0040**	ug/L
ê	Al	27	1330	245780	2481	1.0	0.196181	**141.4998**	ug/L
ê	K	39	590550	20722792	165681	0.8	16.127101	**7636.7993**	ug/L
ê	Ca	44	3613	3963655	79380	2.0	3.179586	**53109.7064**	ug/L
ê>	Sc	45	1151382	1245489	12536	1.0	1245488.804079		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	20259	115	0.6	0.015684	**8.1891**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	1616	54	3.3	0.001265	**3.2535**	ug/L
ë	Ni	62	79	542	29	5.3	0.000367	**6.8395**	ug/L
é	Cu	65	8	10364	216	2.1	0.009720	**23.7211**	ug/L
ê	Cu	63	22	25682	183	0.7	0.024089	**27.3397**	ug/L
ê	Zn	66	35	25331	439	1.7	0.023749	**133.5040**	ug/L
ê	Zn	68	430	17732	201	1.1	0.016241	**132.0384**	ug/L
ê>	Ge	74	1063337	1065621	21965	2.1	1065621.258028		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	6158	92	1.5	0.005187	**5.8060**	ug/L
ê	Ag	107	8	26726	301	1.1	0.022575	**11.9097**	ug/L
ê	Ag	109	8	26580	519	2.0	0.022452	**12.3000**	ug/L
ê	Cd	111	2	1235	49	3.9	0.001042	**2.8342**	ug/L
ê	Cd	114	28	2933	26	0.9	0.002452	**2.8417**	ug/L
ê>	In	115	1048196	1183471	3765	0.3	1183470.624221		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	3302	69	2.1	0.002781	**2.4234**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1060495	10074	0.9	1060495.476710		ug/L
ê	Tl	205	4	3567	81	2.3	0.003359	**1.0143**	ug/L
ê	Pb	208	25	25520	221	0.9	0.024038	**5.4791**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	103118	1696	1.6	71683.343498		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	108.173
⎢	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	100.215
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	112.905
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	110.657
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-MSD3
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 21:01:23
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 202

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-MSD3.108
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	2719	15	0.5	0.002153	**14.4238**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	277923916	1954863	0.7	220.276284	**139894.9650**	ug/L
ê	Mg	24	306	30195392	429234	1.4	23.933134	**23660.9973**	ug/L
ê	Al	27	1330	263433	3789	1.4	0.207647	**149.8733**	ug/L
ê	K	39	590550	22197041	178447	0.8	17.079491	**8088.5988**	ug/L
ê	Ca	44	3613	2593403	19766	0.8	2.052325	**34273.9040**	ug/L
ê>	Sc	45	1151382	1261729	6928	0.5	1261729.096409		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	16570	139	0.8	0.012550	**6.5446**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	206	84	41.0	0.000130	**0.1447**	ug/L
ë	Ni	62	79	289	10	3.5	0.000160	**3.0174**	ug/L
é	Cu	65	8	10507	65	0.6	0.009841	**24.0164**	ug/L
ê	Cu	63	22	25060	364	1.5	0.023468	**26.6330**	ug/L
ê	Zn	66	35	25656	549	2.1	0.024012	**134.9838**	ug/L
ê	Zn	68	430	18027	408	2.3	0.016491	**134.0726**	ug/L
ê>	Ge	74	1063337	1066903	14445	1.4	1066902.748927		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	6382	75	1.2	0.005353	**5.9918**	ug/L
ê	Ag	107	8	26479	270	1.0	0.022268	**11.7472**	ug/L
ê	Ag	109	8	26487	572	2.2	0.022275	**12.2032**	ug/L
ê	Cd	111	2	1234	23	1.9	0.001037	**2.8200**	ug/L
ê	Cd	114	28	2988	39	1.3	0.002487	**2.8826**	ug/L
ê>	In	115	1048196	1188739	16124	1.4	1188738.614606		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	3192	92	2.9	0.002676	**2.3320**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1044669	10655	1.0	1044669.044419		ug/L
ê	Tl	205	4	3470	96	2.8	0.003317	**1.0015**	ug/L
ê	Pb	208	25	25569	241	0.9	0.024451	**5.5735**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	109021	1078	1.0	77586.893943		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	109.584
⎢	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	100.335
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	113.408
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	109.005
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-13RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 21:04:32
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 203

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-13RE2.109
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	4	1	13.3	0.000002	**-0.0510**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	264447260	1320979	0.5	210.077474	**133417.1254**	ug/L
ê	Mg	24	306	38373825	806823	2.1	30.482850	**30140.8577**	ug/L
ê	Al	27	1330	518176	8738	1.7	0.410501	**298.0135**	ug/L
ê	K	39	590550	26015720	488084	1.9	20.155351	**9547.7396**	ug/L
ê	Ca	44	3613	6704592	152071	2.3	5.323269	**88929.2505**	ug/L
ê>	Sc	45	1151382	1258804	7558	0.6	1258804.389691		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	22170	470	2.1	0.017029	**8.8952**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	-88	35	39.5	-0.000103	**-0.4951**	ug/L
ë	Ni	62	79	430	15	3.6	0.000273	**5.0992**	ug/L
é	Cu	65	8	2596	24	0.9	0.002457	**5.9546**	ug/L
ê	Cu	63	22	8716	223	2.6	0.008253	**9.3100**	ug/L
ê	Zn	66	35	4869	186	3.8	0.004589	**25.6687**	ug/L
ê	Zn	68	430	3717	71	1.9	0.003125	**25.5667**	ug/L
ê>	Ge	74	1063337	1053323	15170	1.4	1053323.266269		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	1779	18	1.0	0.001467	**1.6376**	ug/L
ê	Ag	107	8	46	4	8.7	0.000030	**-0.0030**	ug/L
ê	Ag	109	8	42	15	34.6	0.000028	**0.0052**	ug/L
ê	Cd	111	2	12	2	16.7	0.000008	**0.0128**	ug/L
ê	Cd	114	28	52	2	4.1	0.000017	**0.0007**	ug/L
ê>	In	115	1048196	1199673	6063	0.5	1199673.131154		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	45	4	8.4	0.000029	**0.0272**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1053770	18322	1.7	1053769.662093		ug/L
ê	Tl	205	4	11	5	41.7	0.000006	**-0.0137**	ug/L
ê	Pb	208	25	5339	94	1.8	0.005042	**1.1308**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	119493	1388	1.2	88058.496478		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	109.330
⎢	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	99.058
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	114.451
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	109.955
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-14RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 21:07:41
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 204

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-14RE2.110
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	3	1	21.7	0.000000	**-0.0599**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	237450737	3535596	1.5	188.725757	**119855.4456**	ug/L
ê	Mg	24	306	36126284	126691	0.4	28.707985	**28384.9226**	ug/L
ê	Al	27	1330	273705	2249	0.8	0.216355	**156.2323**	ug/L
ê	K	39	590550	22204430	304006	1.4	17.130242	**8112.6744**	ug/L
ê	Ca	44	3613	7186449	83575	1.2	5.706205	**95327.8595**	ug/L
ê>	Sc	45	1151382	1259053	33461	2.7	1259053.035620		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	12960	124	1.0	0.009718	**5.0582**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	34327	905	2.6	0.027240	**74.4308**	ug/L
ë	Ni	62	79	5546	202	3.6	0.004336	**80.4473**	ug/L
é	Cu	65	8	45229	452	1.0	0.043038	**105.2217**	ug/L
ê	Cu	63	22	100078	664	0.7	0.095225	**108.3332**	ug/L
ê	Zn	66	35	47976	265	0.6	0.045627	**256.6350**	ug/L
ê	Zn	68	430	33220	464	1.4	0.031212	**253.5770**	ug/L
ê>	Ge	74	1063337	1050734	3014	0.3	1050733.639988		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	4676	107	2.3	0.003864	**4.3238**	ug/L
ê	Ag	107	8	60	7	11.4	0.000042	**0.0029**	ug/L
ê	Ag	109	8	67	9	14.0	0.000049	**0.0167**	ug/L
ê	Cd	111	2	12	4	32.8	0.000009	**0.0134**	ug/L
ê	Cd	114	28	54	9	17.3	0.000019	**0.0029**	ug/L
ê>	In	115	1048196	1204939	6941	0.6	1204939.433257		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	43	8	18.6	0.000026	**0.0253**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1071625	14933	1.4	1071624.933544		ug/L
ê	Tl	205	4	12	3	26.2	0.000006	**-0.0136**	ug/L
ê	Pb	208	25	15165	145	1.0	0.014127	**3.2104**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	103777	526	0.5	72343.034692		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	109.351
⎢	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	98.815
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	114.954
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	111.818
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-15RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 21:10:50
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 205

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-15RE2.111
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	3	2	45.8	0.000001	**-0.0555**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	281759148	4214490	1.5	233.708354	**148426.4305**	ug/L
ê	Mg	24	306	31833331	176334	0.6	26.406743	**26108.2246**	ug/L
ê	Al	27	1330	153552	3188	2.1	0.126216	**90.4058**	ug/L
ê	K	39	590550	25008644	416661	1.7	20.229293	**9582.8168**	ug/L
ê	Ca	44	3613	3749439	65722	1.8	3.106947	**51895.9469**	ug/L
ê>	Sc	45	1151382	1205694	18885	1.6	1205694.332955		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	6940	278	4.0	0.005172	**2.6730**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	-11	32	292.3	-0.000043	**-0.3289**	ug/L
ë	Ni	62	79	302	22	7.3	0.000182	**3.4117**	ug/L
é	Cu	65	8	1563	19	1.2	0.001486	**3.5793**	ug/L
ê	Cu	63	22	6490	254	3.9	0.006186	**6.9557**	ug/L
ê	Zn	66	35	4281	75	1.7	0.004060	**22.6903**	ug/L
ê	Zn	68	430	3312	37	1.1	0.002763	**22.6276**	ug/L
ê>	Ge	74	1063337	1045788	2882	0.3	1045787.741103		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	1233	7	0.6	0.001019	**1.1361**	ug/L
ê	Ag	107	8	26	3	12.5	0.000014	**-0.0118**	ug/L
ê	Ag	109	8	25	8	29.6	0.000014	**-0.0023**	ug/L
ê	Cd	111	2	8	3	32.8	0.000005	**0.0030**	ug/L
ê	Cd	114	28	51	5	8.8	0.000017	**0.0006**	ug/L
ê>	In	115	1048196	1190991	10507	0.9	1190991.392951		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	29	6	20.7	0.000015	**0.0155**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1059168	12663	1.2	1059168.120318		ug/L
ê	Tl	205	4	10	2	20.0	0.000005	**-0.0141**	ug/L
ê	Pb	208	25	3245	89	2.7	0.003038	**0.6722**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	99760	540	0.5	68326.238944		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	104.717
⎢	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	98.350
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	113.623
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	110.518
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-16RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 21:13:59
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 206

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-16RE2.112
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	4	3	78.7	0.000001	**-0.0543**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	268655390	2941391	1.1	215.030123	**136562.8327**	ug/L
ê	Mg	24	306	35602323	534951	1.5	28.493035	**28172.2655**	ug/L
ê	Al	27	1330	226679	1434	0.6	0.180267	**129.8781**	ug/L
ê	K	39	590550	23001163	441578	1.9	17.891085	**8473.6067**	ug/L
ê	Ca	44	3613	6020952	69763	1.2	4.814853	**80433.9512**	ug/L
ê>	Sc	45	1151382	1249778	22419	1.8	1249777.973796		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	15886	416	2.6	0.012132	**6.3253**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	259	78	30.0	0.000174	**0.2634**	ug/L
ë	Ni	62	79	430	21	4.8	0.000275	**5.1488**	ug/L
é	Cu	65	8	1517	51	3.3	0.001449	**3.4873**	ug/L
ê	Cu	63	22	6139	138	2.3	0.005880	**6.6075**	ug/L
ê	Zn	66	35	3650	32	0.9	0.003475	**19.3951**	ug/L
ê	Zn	68	430	2884	78	2.7	0.002366	**19.4041**	ug/L
ê>	Ge	74	1063337	1041310	30877	3.0	1041309.870050		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	1185	40	3.4	0.000979	**1.0909**	ug/L
ê	Ag	107	8	23	6	26.1	0.000011	**-0.0130**	ug/L
ê	Ag	109	8	24	3	12.9	0.000013	**-0.0031**	ug/L
ê	Cd	111	2	11	5	44.3	0.000007	**0.0099**	ug/L
ê	Cd	114	28	45	4	8.7	0.000011	**-0.0059**	ug/L
ê>	In	115	1048196	1190557	7255	0.6	1190556.786704		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	39	6	14.0	0.000024	**0.0230**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1061271	18654	1.8	1061270.821568		ug/L
ê	Tl	205	4	9	2	24.0	0.000004	**-0.0145**	ug/L
ê	Pb	208	25	3191	97	3.0	0.002981	**0.6591**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	95367	1835	1.9	63933.127058		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	108.546
⎢	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	97.929
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	113.581
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	110.738
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-17RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 21:17:08
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 207

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-17RE2.113
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	5	2	28.6	0.000002	**-0.0461**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	299560846	5046291	1.7	235.087219	**149302.2259**	ug/L
ê	Mg	24	306	25071911	366687	1.5	19.677232	**19450.4866**	ug/L
ê	Al	27	1330	825683	13554	1.6	0.646863	**470.6242**	ug/L
ê	K	39	590550	60212143	409784	0.7	46.739567	**22158.8852**	ug/L
ê	Ca	44	3613	3063618	30091	1.0	2.401230	**40103.8746**	ug/L
ê>	Sc	45	1151382	1274681	25159	2.0	1274680.565254		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	38320	570	1.5	0.029484	**15.4312**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	1052	5	0.5	0.000792	**1.9593**	ug/L
ë	Ni	62	79	428	7	1.7	0.000267	**4.9988**	ug/L
é	Cu	65	8	1731	52	3.0	0.001607	**3.8752**	ug/L
ê	Cu	63	22	7042	327	4.6	0.006550	**7.3710**	ug/L
ê	Zn	66	35	7475	251	3.4	0.006941	**38.9043**	ug/L
ê	Zn	68	430	5525	298	5.4	0.004750	**38.7566**	ug/L
ê>	Ge	74	1063337	1071605	26461	2.5	1071604.813618		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	1505	42	2.8	0.001256	**1.4014**	ug/L
ê	Ag	107	8	267	17	6.5	0.000218	**0.0959**	ug/L
ê	Ag	109	8	253	16	6.2	0.000206	**0.1032**	ug/L
ê	Cd	111	2	166	13	8.0	0.000138	**0.3679**	ug/L
ê	Cd	114	28	431	17	4.0	0.000338	**0.3753**	ug/L
ê>	In	115	1048196	1182645	5911	0.5	1182644.678585		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	175	25	14.2	0.000139	**0.1234**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1071553	11195	1.0	1071552.768548		ug/L
ê	Tl	205	4	195	7	3.3	0.000177	**0.0387**	ug/L
ê	Pb	208	25	9720	188	1.9	0.009045	**2.0471**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	84328	579	0.7	52893.954408		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	110.709
|	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	100.778
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	112.827
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	111.810
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-18RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 21:20:18
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 208

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-18RE2.114
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	20	4	21.2	0.000014	**0.0331**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	151562623	395642	0.3	122.950000	**78077.5516**	ug/L
ê	Mg	24	306	60155363	396403	0.7	48.801118	**48263.7540**	ug/L
ê	Al	27	1330	9682677	55472	0.6	7.853958	**5733.8270**	ug/L
ê	K	39	590550	34399074	111408	0.3	27.393317	**12981.3201**	ug/L
ê	Ca	44	3613	41930857	736266	1.8	34.014039	**568333.4006**	ug/L
ê>	Sc	45	1151382	1232687	4495	0.4	1232687.238221		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	338455	3467	1.0	0.273993	**143.7464**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	19272	861	4.5	0.015601	**42.5365**	ug/L
ë	Ni	62	79	4816	62	1.3	0.003838	**71.2189**	ug/L
é	Cu	65	8	5069	163	3.2	0.005043	**12.2792**	ug/L
ê	Cu	63	22	11607	294	2.5	0.011542	**13.0539**	ug/L
ê	Zn	66	35	7426	211	2.8	0.007364	**41.2836**	ug/L
ê	Zn	68	430	5554	137	2.5	0.005129	**41.8338**	ug/L
ê>	Ge	74	1063337	1003801	10272	1.0	1003800.814455		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	1488	41	2.8	0.001272	**1.4199**	ug/L
ê	Ag	107	8	145	25	17.2	0.000118	**0.0432**	ug/L
ê	Ag	109	8	108	11	9.9	0.000086	**0.0371**	ug/L
ê	Cd	111	2	132	10	7.5	0.000113	**0.2983**	ug/L
ê	Cd	114	28	332	18	5.5	0.000261	**0.2854**	ug/L
ê>	In	115	1048196	1154481	7801	0.7	1154480.770838		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	289	10	3.3	0.000241	**0.2122**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1053677	11503	1.1	1053677.283687		ug/L
ê	Tl	205	4	309	18	5.9	0.000288	**0.0729**	ug/L
ê	Pb	208	25	77732	795	1.0	0.073747	**16.8575**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	71371	975	1.4	39936.981455		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	107.062
|	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	94.401
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	110.140
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	109.945
|	Tl	205	
|	Pb	208	
|	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: Thursday, March 20, 2014 21:23:30
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CCV5.115
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	5801	30	0.5	0.005028	**3.3759**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	6368530	82030	1.3	5.517097	**348.9290**	ug/L
ê	Mg	24	306	4045288	76617	1.9	3.507257	**345.2970**	ug/L
ê	Al	27	1330	588722	2329	0.4	0.509323	**37.0181**	ug/L
ê	K	39	590550	8637052	63293	0.7	6.976456	**329.5874**	ug/L
ê	Ca	44	3613	439844	3964	0.9	0.378241	**630.1048**	ug/L
ê>	Sc	45	1151382	1153377	11782	1.0	1153377.021915		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	27422	445	1.6	0.023192	**1.2130**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	16854	262	1.6	0.014580	**3.9739**	ug/L
ë	Ni	62	79	2572	44	1.7	0.002161	**4.0126**	ug/L
é	Cu	65	8	10211	241	2.4	0.010102	**2.4654**	ug/L
ê	Cu	63	22	22413	564	2.5	0.022170	**2.5155**	ug/L
ê	Zn	66	35	7406	130	1.8	0.007299	**4.0920**	ug/L
ê	Zn	68	430	5425	31	0.6	0.004968	**4.0523**	ug/L
ê>	Ge	74	1063337	1009998	7765	0.8	1009997.936280		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	5177	77	1.5	0.004460	**0.4991**	ug/L
ê	Ag	107	8	7983	30	0.4	0.006895	**0.3625**	ug/L
ê	Ag	109	8	8291	43	0.5	0.007163	**0.3917**	ug/L
ê	Cd	111	2	1684	10	0.6	0.001455	**0.3960**	ug/L
ê	Cd	114	28	3940	93	2.4	0.003380	**0.3924**	ug/L
ê>	In	115	1048196	1156376	7433	0.6	1156376.490269		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	5261	81	1.5	0.004540	**0.3954**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1008948	13001	1.3	1008948.128199		ug/L
ê	Tl	205	4	6725	141	2.1	0.006660	**0.2027**	ug/L
ê	Pb	208	25	22514	449	2.0	0.022288	**0.5078**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	39658	514	1.3	8224.096213		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	100.173
⎢	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	94.984
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	110.321
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	105.278
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 21:26:39
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CCB5.116
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	4	3	66.1	0.000002	**-0.0051**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	35926	38895	108.3	0.026956	**0.2192**	ug/L
ê	Mg	24	306	4856	7484	154.1	0.003995	**-1.2927**	ug/L
ê	Al	27	1330	1775	771	43.4	0.000392	**-0.1481**	ug/L
ê	K	39	590550	708754	2416	0.3	0.103023	**3.5222**	ug/L
ê	Ca	44	3613	5916	2539	42.9	0.002017	**1.4587**	ug/L
ê>	Sc	45	1151382	1150777	11198	1.0	1150777.467660		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	725	38	5.2	0.000048	**-0.0016**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	39	6	14.6	0.000001	**-0.0209**	ug/L
ë	Ni	62	79	110	15	13.7	0.000026	**0.0530**	ug/L
é	Cu	65	8	18	7	35.5	0.000010	**-0.0032**	ug/L
ê	Cu	63	22	34	3	8.9	0.000013	**-0.0072**	ug/L
ê	Zn	66	35	45	2	3.4	0.000011	**-0.0099**	ug/L
ê	Zn	68	430	440	17	3.9	0.000029	**0.0435**	ug/L
ê>	Ge	74	1063337	1015899	21903	2.2	1015899.274903		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	14	5	37.2	-0.000004	**-0.0010**	ug/L
ê	Ag	107	8	6	3	44.1	-0.000003	**-0.0020**	ug/L
ê	Ag	109	8	9	6	59.0	0.000001	**-0.0009**	ug/L
ê	Cd	111	2	2	1	50.0	0.000000	**-0.0010**	ug/L
ê	Cd	114	28	26	5	18.8	-0.000003	**-0.0023**	ug/L
ê>	In	115	1048196	1134272	8385	0.7	1134272.470429		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	28	9	30.4	0.000016	**0.0016**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	996378	2420	0.2	996378.148213		ug/L
ê	Tl	205	4	8	2	27.7	0.000004	**-0.0014**	ug/L
ê	Pb	208	25	23	2	8.7	-0.000003	**-0.0024**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	38253	336	0.9	6818.601230		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	99.947
⎢	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	95.539
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	108.212
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	103.966
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-19RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 21:29:50
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 209

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-19.117
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	6	1	9.1	0.000003	**-0.0415**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	328493210	397207	0.1	252.209422	**160177.5026**	ug/L
ê	Mg	24	306	38820917	493755	1.3	29.804043	**29469.2910**	ug/L
ê	Al	27	1330	1126312	11929	1.1	0.863560	**628.8734**	ug/L
ê	K	39	590550	57458586	840017	1.5	43.598840	**20668.9724**	ug/L
ê	Ca	44	3613	9002845	178146	2.0	6.908602	**115419.1449**	ug/L
ê>	Sc	45	1151382	1302542	13714	1.1	1302541.575351		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	64361	1483	2.3	0.048838	**25.5880**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	5610	122	2.2	0.004274	**11.4981**	ug/L
ë	Ni	62	79	1431	41	2.9	0.001030	**19.1421**	ug/L
é	Cu	65	8	1954	31	1.6	0.001793	**4.3280**	ug/L
ê	Cu	63	22	8057	200	2.5	0.007403	**8.3414**	ug/L
ê	Zn	66	35	4882	78	1.6	0.004465	**24.9680**	ug/L
ê	Zn	68	430	3783	107	2.8	0.003082	**25.2141**	ug/L
ê>	Ge	74	1063337	1085257	6322	0.6	1085257.435618		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	1601	29	1.8	0.001335	**1.4894**	ug/L
ê	Ag	107	8	263	29	11.0	0.000214	**0.0939**	ug/L
ê	Ag	109	8	248	8	3.1	0.000202	**0.1007**	ug/L
ê	Cd	111	2	96	14	14.1	0.000080	**0.2071**	ug/L
ê	Cd	114	28	252	13	5.1	0.000186	**0.1978**	ug/L
ê>	In	115	1048196	1185688	14267	1.2	1185687.892769		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	157	9	5.8	0.000123	**0.1093**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1073556	6272	0.6	1073555.614116		ug/L
ê	Tl	205	4	125	5	3.7	0.000112	**0.0186**	ug/L
ê	Pb	208	25	11418	368	3.2	0.010609	**2.4051**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	82959	534	0.6	51524.302293		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	113.129
⎢	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	102.061
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	113.117
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	112.019
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-20RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 21:32:59
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 210

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-20.118
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	3	2	62.4	0.000001	**-0.0566**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	352582852	2322506	0.7	275.796942	**175159.2675**	ug/L
ê	Mg	24	306	33395174	277080	0.8	26.126375	**25830.8465**	ug/L
ê	Al	27	1330	938070	8674	0.9	0.732778	**533.3662**	ug/L
ê	K	39	590550	60443638	763983	1.3	46.767101	**22171.9473**	ug/L
ê	Ca	44	3613	7412616	78188	1.1	5.794979	**96811.2158**	ug/L
ê>	Sc	45	1151382	1278636	25954	2.0	1278636.199167		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	53070	1176	2.2	0.040924	**21.4349**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	4472	254	5.7	0.003463	**9.2774**	ug/L
ë	Ni	62	79	1230	12	1.0	0.000894	**16.6122**	ug/L
é	Cu	65	8	1579	34	2.2	0.001454	**3.4994**	ug/L
ê	Cu	63	22	7368	131	1.8	0.006798	**7.6527**	ug/L
ê	Zn	66	35	4416	29	0.7	0.004055	**22.6593**	ug/L
ê	Zn	68	430	3501	108	3.1	0.002836	**23.2179**	ug/L
ê>	Ge	74	1063337	1080612	22037	2.0	1080612.333632		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	1109	26	2.4	0.000917	**1.0210**	ug/L
ê	Ag	107	8	210	14	6.5	0.000168	**0.0699**	ug/L
ê	Ag	109	8	205	28	13.5	0.000165	**0.0804**	ug/L
ê	Cd	111	2	97	9	9.0	0.000080	**0.2081**	ug/L
ê	Cd	114	28	250	16	6.6	0.000184	**0.1957**	ug/L
ê>	In	115	1048196	1189194	4211	0.4	1189193.935846		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	190	16	8.3	0.000151	**0.1334**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1070337	9121	0.9	1070336.957398		ug/L
ê	Tl	205	4	210	22	10.5	0.000191	**0.0431**	ug/L
ê	Pb	208	25	8451	302	3.6	0.007869	**1.7780**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	85701	292	0.3	54267.083831		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	111.052
⎢	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	101.625
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	113.451
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	111.684
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-21RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 21:36:08
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 211

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-21.119
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	28	7	23.5	0.000021	**0.0772**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	194354250	2050682	1.1	154.181208	**97914.2538**	ug/L
ê	Mg	24	306	63207419	704223	1.1	50.141953	**49590.2894**	ug/L
ê	Al	27	1330	11218332	161565	1.4	8.899355	**6497.2602**	ug/L
ê	K	39	590550	43078784	641609	1.5	33.663304	**15955.7060**	ug/L
ê	Ca	44	3613	42459222	980395	2.3	33.686206	**562855.5272**	ug/L
ê>	Sc	45	1151382	1260585	12286	1.0	1260585.203235		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	328304	803	0.2	0.259876	**136.3377**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	10340	648	6.3	0.008172	**22.1804**	ug/L
ë	Ni	62	79	3583	54	1.5	0.002773	**51.4712**	ug/L
é	Cu	65	8	5323	59	1.1	0.005181	**12.6169**	ug/L
ê	Cu	63	22	13104	72	0.5	0.012753	**14.4326**	ug/L
ê	Zn	66	35	7890	81	1.0	0.007657	**42.9353**	ug/L
ê	Zn	68	430	5921	89	1.5	0.005368	**43.7706**	ug/L
ê>	Ge	74	1063337	1025931	5562	0.5	1025930.731791		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	1336	40	3.0	0.001128	**1.2580**	ug/L
ê	Ag	107	8	192	11	5.9	0.000156	**0.0637**	ug/L
ê	Ag	109	8	156	16	10.0	0.000126	**0.0591**	ug/L
ê	Cd	111	2	142	27	18.7	0.000120	**0.3173**	ug/L
ê	Cd	114	28	371	21	5.6	0.000291	**0.3204**	ug/L
ê>	In	115	1048196	1167732	6832	0.6	1167732.252397		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	323	12	3.7	0.000268	**0.2353**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1071074	5907	0.6	1071073.890677		ug/L
ê	Tl	205	4	312	40	12.6	0.000287	**0.0725**	ug/L
ê	Pb	208	25	88571	1129	1.3	0.082666	**18.8988**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	74320	1478	2.0	42885.320135		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	109.485
|	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	96.482
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	111.404
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	111.761
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-22RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 21:39:17
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 212

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-22.120
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	13	1	7.7	0.000009	**-0.0041**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	245581842	2292606	0.9	196.879847	**125034.5681**	ug/L
ê	Mg	24	306	57932648	334887	0.6	46.442003	**45929.8000**	ug/L
ê	Al	27	1330	8147463	91920	1.1	6.530295	**4767.1816**	ug/L
ê	K	39	590550	38884229	554172	1.4	30.659063	**14530.5403**	ug/L
ê	Ca	44	3613	36078952	530581	1.5	28.920434	**483222.5728**	ug/L
ê>	Sc	45	1151382	1247495	12273	1.0	1247495.248931		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	305239	2762	0.9	0.244101	**128.0594**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	14144	755	5.3	0.011304	**30.7634**	ug/L
ë	Ni	62	79	3810	61	1.6	0.002985	**55.3992**	ug/L
é	Cu	65	8	4320	123	2.9	0.004277	**10.4054**	ug/L
ê	Cu	63	22	11787	82	0.7	0.011672	**13.2022**	ug/L
ê	Zn	66	35	6342	25	0.4	0.006258	**35.0609**	ug/L
ê	Zn	68	430	4885	124	2.5	0.004442	**36.2589**	ug/L
ê>	Ge	74	1063337	1008097	8666	0.9	1008097.468710		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	1024	29	2.8	0.000866	**0.9643**	ug/L
ê	Ag	107	8	136	1	0.4	0.000109	**0.0385**	ug/L
ê	Ag	109	8	125	8	6.0	0.000101	**0.0452**	ug/L
ê	Cd	111	2	121	4	3.5	0.000102	**0.2691**	ug/L
ê	Cd	114	28	306	6	1.9	0.000237	**0.2578**	ug/L
ê>	In	115	1048196	1161514	15191	1.3	1161513.843568		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	288	24	8.4	0.000239	**0.2103**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1054207	6844	0.6	1054206.835812		ug/L
ê	Tl	205	4	187	10	5.3	0.000173	**0.0375**	ug/L
ê	Pb	208	25	70914	302	0.4	0.067243	**15.3686**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	71632	402	0.6	40198.266066		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	108.348
⎢	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	94.805
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	110.811
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	110.001
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-23RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 21:42:26
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 213

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-23.121
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	24	6	26.0	0.000017	**0.0530**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	277910515	2906714	1.0	219.061589	**139123.4438**	ug/L
ê	Mg	24	306	68888372	1422446	2.1	54.294713	**53698.7586**	ug/L
ê	Al	27	1330	11908471	253509	2.1	9.385366	**6852.1850**	ug/L
ê	K	39	590550	38884396	335155	0.9	30.140520	**14284.5513**	ug/L
ê	Ca	44	3613	43612772	1421269	3.3	34.368569	**574257.3640**	ug/L
ê>	Sc	45	1151382	1268776	23446	1.8	1268776.024157		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	423145	6840	1.6	0.332937	**174.6794**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	24685	444	1.8	0.019423	**53.0094**	ug/L
ë	Ni	62	79	5863	102	1.7	0.004552	**84.4586**	ug/L
é	Cu	65	8	5787	174	3.0	0.005567	**13.5601**	ug/L
ê	Cu	63	22	14995	439	2.9	0.014429	**16.3416**	ug/L
ê	Zn	66	35	7651	245	3.2	0.007336	**41.1302**	ug/L
ê	Zn	68	430	5535	138	2.5	0.004928	**40.2026**	ug/L
ê>	Ge	74	1063337	1038069	25980	2.5	1038069.487975		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	1262	20	1.6	0.001068	**1.1909**	ug/L
ê	Ag	107	8	191	13	6.7	0.000156	**0.0635**	ug/L
ê	Ag	109	8	158	16	9.9	0.000128	**0.0603**	ug/L
ê	Cd	111	2	142	15	10.2	0.000120	**0.3187**	ug/L
ê	Cd	114	28	370	12	3.1	0.000291	**0.3208**	ug/L
ê>	In	115	1048196	1163658	12660	1.1	1163658.119355		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	314	13	4.2	0.000261	**0.2295**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1080184	12675	1.2	1080184.259813		ug/L
ê	Tl	205	4	296	12	3.9	0.000269	**0.0670**	ug/L
ê	Pb	208	25	69488	458	0.7	0.064308	**14.6969**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	72078	1513	2.1	40643.881606		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	110.196
⎢	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	97.624
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	111.015
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	112.711
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1408020-24RE2
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 21:45:35
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 214

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\1408020-24.122
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	4	1	13.3	0.000002	**-0.0514**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	332227954	5266239	1.6	259.642611	**164898.7405**	ug/L
ê	Mg	24	306	27050684	262489	1.0	21.140700	**20898.3459**	ug/L
ê	Al	27	1330	787663	4229	0.5	0.614441	**446.9470**	ug/L
ê	K	39	590550	50365284	547646	1.1	38.849124	**18415.7798**	ug/L
ê	Ca	44	3613	2020469	38423	1.9	1.576031	**26315.3433**	ug/L
ê>	Sc	45	1151382	1279549	10234	0.8	1279548.760202		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	33148	1025	3.1	0.025324	**13.2481**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	1679	46	2.8	0.001279	**3.2923**	ug/L
ë	Ni	62	79	825	64	7.8	0.000576	**10.7166**	ug/L
é	Cu	65	8	1322	25	1.9	0.001210	**2.9019**	ug/L
ê	Cu	63	22	7066	240	3.4	0.006488	**7.2997**	ug/L
ê	Zn	66	35	7820	171	2.2	0.007169	**40.1905**	ug/L
ê	Zn	68	430	6015	105	1.7	0.005135	**41.8869**	ug/L
ê>	Ge	74	1063337	1085879	9749	0.9	1085878.915623		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	1480	51	3.4	0.001220	**1.3612**	ug/L
ê	Ag	107	8	181	18	10.2	0.000143	**0.0565**	ug/L
ê	Ag	109	8	188	5	2.5	0.000149	**0.0720**	ug/L
ê	Cd	111	2	111	15	13.5	0.000091	**0.2393**	ug/L
ê	Cd	114	28	297	6	2.0	0.000221	**0.2393**	ug/L
ê>	In	115	1048196	1196889	6280	0.5	1196889.251883		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	176	5	2.8	0.000138	**0.1223**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1058512	17442	1.6	1058512.083995		ug/L
ê	Tl	205	4	172	10	5.5	0.000158	**0.0329**	ug/L
ê	Pb	208	25	8084	126	1.6	0.007611	**1.7190**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	85280	756	0.9	53846.254614		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	111.132
|	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	102.120
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	114.186
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	110.450
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-DUP4
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 21:48:44
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 215

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-DUP4.123
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	2	2	86.6	-0.000000	**-0.0639**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	371766128	5967939	1.6	283.526680	**180068.8603**	ug/L
ê	Mg	24	306	35292430	280823	0.8	26.914300	**26610.3685**	ug/L
ê	Al	27	1330	583364	6950	1.2	0.443725	**322.2759**	ug/L
ê	K	39	590550	50565635	346819	0.7	38.045852	**18034.7200**	ug/L
ê	Ca	44	3613	3691368	15855	0.4	2.811722	**46962.9369**	ug/L
ê>	Sc	45	1151382	1311449	13971	1.1	1311448.957648		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	33093	558	1.7	0.024656	**12.8977**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	1114	41	3.7	0.000817	**2.0253**	ug/L
ë	Ni	62	79	1024	55	5.4	0.000712	**13.2501**	ug/L
é	Cu	65	8	1309	28	2.1	0.001160	**2.7808**	ug/L
ê	Cu	63	22	7593	201	2.6	0.006755	**7.6036**	ug/L
ê	Zn	66	35	6680	154	2.3	0.005927	**33.1955**	ug/L
ê	Zn	68	430	5058	166	3.3	0.004108	**33.5485**	ug/L
ê>	Ge	74	1063337	1120830	7325	0.7	1120830.133095		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	1751	74	4.2	0.001450	**1.6188**	ug/L
ê	Ag	107	8	158	9	5.9	0.000124	**0.0465**	ug/L
ê	Ag	109	8	170	5	3.0	0.000135	**0.0642**	ug/L
ê	Cd	111	2	117	9	7.4	0.000096	**0.2529**	ug/L
ê	Cd	114	28	306	26	8.6	0.000230	**0.2488**	ug/L
ê>	In	115	1048196	1194256	7927	0.7	1194256.495988		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	163	11	6.9	0.000127	**0.1131**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1077667	753	0.1	1077666.697626		ug/L
ê	Tl	205	4	149	11	7.4	0.000134	**0.0255**	ug/L
ê	Pb	208	25	7162	143	2.0	0.006620	**1.4922**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	84311	696	0.8	52877.192676		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	113.902
|	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	105.407
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	113.934
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	112.448
|	Tl	205	
|	Pb	208	
|	Bi	209	
|	Th	232	
⌊	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-MS4
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 21:51:53
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 216

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-MS4.124
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	2747	29	1.0	0.002149	**14.3940**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	336941693	3700212	1.1	263.799964	**167539.3099**	ug/L
ê	Mg	24	306	27644725	410204	1.5	21.644055	**21396.3327**	ug/L
ê	Al	27	1330	850842	737	0.1	0.664975	**483.8505**	ug/L
ê	K	39	590550	49584667	635548	1.3	38.309337	**18159.7133**	ug/L
ê	Ca	44	3613	1405157	30305	2.2	1.097054	**18311.9386**	ug/L
ê>	Sc	45	1151382	1277340	9547	0.7	1277340.002432		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	39859	1029	2.6	0.030626	**16.0305**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	1365	65	4.8	0.001035	**2.6251**	ug/L
ë	Ni	62	79	886	53	6.0	0.000625	**11.6344**	ug/L
é	Cu	65	8	10674	146	1.4	0.009693	**23.6541**	ug/L
ê	Cu	63	22	27690	529	1.9	0.025147	**28.5448**	ug/L
ê	Zn	66	35	28762	298	1.0	0.026106	**146.7687**	ug/L
ê	Zn	68	430	20540	500	2.4	0.018262	**148.4445**	ug/L
ê>	Ge	74	1063337	1100390	9955	0.9	1100390.094645		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	5152	83	1.6	0.004341	**4.8576**	ug/L
ê	Ag	107	8	25641	378	1.5	0.021677	**11.4351**	ug/L
ê	Ag	109	8	26133	226	0.9	0.022094	**12.1037**	ug/L
ê	Cd	111	2	1348	30	2.2	0.001138	**3.0971**	ug/L
ê	Cd	114	28	3163	83	2.6	0.002648	**3.0706**	ug/L
ê>	In	115	1048196	1182438	10420	0.9	1182438.467371		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	3231	81	2.5	0.002723	**2.3729**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1046157	4646	0.4	1046157.329907		ug/L
ê	Tl	205	4	3560	29	0.8	0.003398	**1.0264**	ug/L
ê	Pb	208	25	30331	294	1.0	0.028967	**6.6072**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	82858	1183	1.4	51423.746997		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	110.940
⎢	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	103.485
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	112.807
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	109.161
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B140456-MSD4
Sample Description: 10x
Batch ID: B140456

Sample Date/Time: Thursday, March 20, 2014 21:55:02
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 217

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\B140456-MSD4.125
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	2689	31	1.2	0.002108	**14.1207**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	326579662	8220572	2.5	256.364017	**162816.3206**	ug/L
ê	Mg	24	306	26983358	498017	1.8	21.180684	**20937.9034**	ug/L
ê	Al	27	1330	913159	23543	2.6	0.715562	**520.7936**	ug/L
ê	K	39	590550	49416575	567340	1.1	38.269798	**18140.9562**	ug/L
ê	Ca	44	3613	1735084	13870	0.8	1.358578	**22681.8338**	ug/L
ê>	Sc	45	1151382	1274474	22811	1.8	1274473.990132		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	41468	717	1.7	0.031961	**16.7311**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	1347	10	0.8	0.001024	**2.5945**	ug/L
ë	Ni	62	79	812	34	4.2	0.000568	**10.5828**	ug/L
é	Cu	65	8	10520	305	2.9	0.009748	**23.7893**	ug/L
ê	Cu	63	22	27144	531	2.0	0.025139	**28.5348**	ug/L
ê	Zn	66	35	28095	152	0.5	0.026012	**146.2365**	ug/L
ê	Zn	68	430	19519	95	0.5	0.017691	**143.8109**	ug/L
ê>	Ge	74	1063337	1078957	21035	1.9	1078956.718885		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	5109	117	2.3	0.004295	**4.8066**	ug/L
ê	Ag	107	8	25644	459	1.8	0.021637	**11.4142**	ug/L
ê	Ag	109	8	26219	439	1.7	0.022120	**12.1178**	ug/L
ê	Cd	111	2	1314	14	1.0	0.001108	**3.0137**	ug/L
ê	Cd	114	28	3172	95	3.0	0.002651	**3.0739**	ug/L
ê>	In	115	1048196	1184907	16415	1.4	1184907.305048		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	3296	42	1.3	0.002772	**2.4155**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1066036	9425	0.9	1066036.347404		ug/L
ê	Tl	205	4	3594	65	1.8	0.003367	**1.0167**	ug/L
ê	Pb	208	25	31371	381	1.2	0.029402	**6.7069**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	86914	627	0.7	55479.382009		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	110.691
⎢	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	101.469
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	113.043
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	111.235
⎢	Tl	205	
⎢	Pb	208	
⎢	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: Thursday, March 20, 2014 21:58:13
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CCV6.126
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	6064	51	0.8	0.005081	**3.4114**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	6645281	60007	0.9	5.564224	**351.9223**	ug/L
ê	Mg	24	306	4227239	17455	0.4	3.542255	**348.7596**	ug/L
ê	Al	27	1330	610532	10327	1.7	0.510456	**37.1009**	ug/L
ê	K	39	590550	8932251	33462	0.4	6.972768	**329.4124**	ug/L
ê	Ca	44	3613	442028	7378	1.7	0.367330	**611.8728**	ug/L
ê>	Sc	45	1151382	1193325	10264	0.9	1193324.804674		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	28586	157	0.5	0.023374	**1.2225**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	17530	108	0.6	0.014657	**3.9950**	ug/L
ë	Ni	62	79	2893	31	1.1	0.002356	**4.3726**	ug/L
é	Cu	65	8	10545	261	2.5	0.010080	**2.4602**	ug/L
ê	Cu	63	22	23345	488	2.1	0.022309	**2.5313**	ug/L
ê	Zn	66	35	7611	221	2.9	0.007247	**4.0625**	ug/L
ê	Zn	68	430	5565	25	0.5	0.004919	**4.0129**	ug/L
ê>	Ge	74	1063337	1045444	10402	1.0	1045443.632499		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	5312	63	1.2	0.004561	**0.5104**	ug/L
ê	Ag	107	8	8003	51	0.6	0.006887	**0.3620**	ug/L
ê	Ag	109	8	8355	32	0.4	0.007191	**0.3933**	ug/L
ê	Cd	111	2	1669	14	0.8	0.001437	**0.3912**	ug/L
ê	Cd	114	28	3893	50	1.3	0.003328	**0.3863**	ug/L
ê>	In	115	1048196	1160671	3587	0.3	1160671.133253		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	5180	57	1.1	0.004453	**0.3879**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	1008696	16547	1.6	1008696.457400		ug/L
ê	Tl	205	4	6747	172	2.6	0.006685	**0.2034**	ug/L
ê	Pb	208	25	22478	302	1.3	0.022260	**0.5072**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	40974	1128	2.8	9539.490659		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	103.643
|	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	98.317
⌊	As	75	
⌈	Se	77	
|	Se	82	
|	Sr	88	
|	Mo	98	
|	Ag	107	
|	Ag	109	
|	Cd	111	
|	Cd	114	
|>	In	115	110.730
|	Sn	120	
|	Sb	121	
⌊	Ba	138	
⌈>	Tm	169	105.252
|	Tl	205	
|	Pb	208	
|	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: Thursday, March 20, 2014 22:01:22
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\NexIONData\Sample\2014\03-14\1400234.sam
Method File: C:\NexIONData\Method\2014\03-14\1400234-0060-ICPMS3-AR.mth
Dataset File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-CCB6.127
Calibration File: C:\NexIONData\System\2014\03-14\1400234.cal
Blank File: C:\NexIONData\DataSet\2014\03-14\1400234\SEQ-ICB1.026

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	39						ug/L
ê	Be	9	2	2	0	0.0	-0.000000	**-0.0063**	ug/L
ê	B	11	1620						ug/L
ê	Na	23	5158	15902	333	2.1	0.008778	**-0.9355**	ug/L
ê	Mg	24	306	463	19	4.1	0.000120	**-1.6762**	ug/L
ê	Al	27	1330	1291	10	0.7	-0.000079	**-0.1825**	ug/L
ê	K	39	590550	704542	6825	1.0	0.074453	**2.1669**	ug/L
ê	Ca	44	3613	4506	45	1.0	0.000619	**-0.8776**	ug/L
ê>	Sc	45	1151382	1199606	8666	0.7	1199605.950069		ug/L
ê	Ti	47	24						ug/L
ê	Ti	48	-161						ug/L
ê	V	51	27						ug/L
ê	Cr	52	13490						ug/L
ê	Cr	53	52						ug/L
ê	Mn	55	671	730	37	5.1	0.000026	**-0.0028**	ug/L
ê	Fe	54	139906						ug/L
ê	Fe	57	12378						ug/L
ê	Co	59	48						ug/L
ê	Ni	60	38	29	8	27.5	-0.000009	**-0.0237**	ug/L
ë	Ni	62	79	172	8	4.9	0.000074	**0.1419**	ug/L
é	Cu	65	8	20	4	17.9	0.000011	**-0.0029**	ug/L
ê	Cu	63	22	107	11	9.9	0.000084	**0.0008**	ug/L
ê	Zn	66	35	61	2	3.8	0.000026	**-0.0013**	ug/L
ê	Zn	68	430	468	5	1.1	0.000053	**0.0630**	ug/L
ê>	Ge	74	1063337	1022968	21875	2.1	1022968.251121		ug/L
ë	As	75	-210						ug/L
é	Se	77	121						ug/L
ê	Se	82	-1						ug/L
ê	Sr	88	163						ug/L
ê	Mo	98	17	17	5	26.9	-0.000002	**-0.0008**	ug/L
ê	Ag	107	8	8	5	59.2	-0.000001	**-0.0019**	ug/L
ê	Ag	109	8	5	3	54.1	-0.000003	**-0.0011**	ug/L
ê	Cd	111	2	3	2	57.3	0.000001	**-0.0008**	ug/L
ê	Cd	114	28	25	1	4.2	-0.000005	**-0.0024**	ug/L
ê>	In	115	1048196	1144768	13381	1.2	1144768.397181		ug/L
ê	Sn	120	421						ug/L

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ê	Sb	121	10	27	8	30.3	0.000014	**0.0015**	ug/L
ë	Ba	138	37						ug/L
é>	Tm	169	958365	985264	12196	1.2	985263.963245		ug/L
ê	Tl	205	4	4	2	50.0	-0.000000	**-0.0016**	ug/L
ê	Pb	208	25	30	5	15.2	0.000004	**-0.0022**	ug/L
ê	Bi	209	9						ug/L
ê	Th	232	34						ug/L
ë	U	238	0						ug/L
	C	13	31434	40095	609	1.5	8660.313792		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	104.188
⎢	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	96.204
⎣	As	75	
⎡	Se	77	
⎢	Se	82	
⎢	Sr	88	
⎢	Mo	98	
⎢	Ag	107	
⎢	Ag	109	
⎢	Cd	111	
⎢	Cd	114	
⎢>	In	115	109.213
⎢	Sn	120	
⎢	Sb	121	
⎣	Ba	138	
⎡>	Tm	169	102.807
⎢	Tl	205	
⎢	Pb	208	
⎢	Bi	209	
⎢	Th	232	
⎣	U	238	
	C	13	

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