Report of Trace Metals Analyses
Water, Biota

Project: Great Salt Lake Water Quality Sampling Plan
Samples Collected: June 11, 2012 to June 13, 2012
Report Date: August 31, 2012

Prepared for:
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Case Narrative

Shipping and Receiving

On June 19, 2012, Brooks Rand Labs (BRL) received nine (9) biota samples and eighteen (18) water samples at 09:00 A.M. in five (5) coolers with ice all at the temperature of less than 3.4 °C. The chain-of-custody (COC) form(s) requested analysis for mercury (Hg), monomethyl mercury (MeHg), trace metals [arsenic (As), cadmium (Cd), copper (Cu), lead (Pb), selenium (Se), and thallium (Tl)], and percent total solids (%TS) 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 Water by EPA Method 1631 (SOP BR-0006)

All samples are prepared and analyzed in accordance with EPA Method 1631. Samples are oxidized with bromine monochloride (BrCl) and then analyzed with stannous chloride (SnCl2) reduction, single gold amalgamation, and cold vapor atomic fluorescence spectroscopy (CVAFS) detection using a BRL Model III CVAFS Mercury 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 1200522

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

Batch B121102

The initial analysis of matrix spike duplicate (MSD), B121102-MSD2, performed on a sample from unrelated work order, produced a recovery not within the acceptance criteria limits. The MSD was re-analyzed as B121102-MSD4 with a 118% recovery. The initial analysis of matrix spike (MS), B121102-MS2 also recovered with 118%; therefore, MS2 and MSD4 are reported. Due to a laboratory information management system limitation, the analysis of MSD4 was renamed as MSD2 and the initial (not passing) analysis MSD2 was renamed as MSD4.

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

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

Tissue samples are prepared by a hot re-fluxing HNO3/H2SO4 digestion. Samples are oxidized with bromine monochloride (BrCl) and then analyzed with stannous chloride (SnCl2) reduction, single gold amalgamation, and cold vapor atomic fluorescence spectroscopy (CVAFS) detection using a BRL Model III CVAFS Mercury 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. All sample results were reported on a ng/g dry-weight basis.

Sequence 1200502

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

Batch B121104

Sample *GSL 4069 (Brine Shrimp rep)* (1225015-08) is field replicate of sample *GSL 4069 (Brine Shrimp)* (1225015-07). The mercury results yielded relative percent difference (RPD) of 57%. Sample results are not qualified based on the poor RPD.

The analysis of method duplicate (DUP), B121104-DUP1, performed on sample *GSL 3510 (Brine Shrimp)* (1225015-05), produced RPD outside of acceptance criteria. It was noted on sample characteristics that aliquots were not homogenous due to the consistency of the sample; it was described as “mucus”. Native sample result was qualified **M**.

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

Percent Total Solids in Solids by SM 2540G (SOP BR-1501)

A solid sample is homogenized and an aliquot is measured into a pre-weighed vessel, dried in an oven overnight, weighed again, and the percent of dried solid material is calculated.

The results 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.

Batch B121105

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

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

Water samples are prepared by distillation. Distillates are analyzed by ethylation, Tenax trap collection, gas chromatography separation, isothermal decomposition, and cold vapor fluorescence spectroscopy (CVAFS).

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 1200545

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

Batch B121107

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

ICP-MS Analysis by EPA Draft Method 1640, Mod. (BRL SOP BR-0066)

Samples are preserved to 0.2% (v/v) with pre-tested concentrated HNO3 and then prepared by reductive precipitation (RP) according to EPA Method 1640. The procedure concentrates the samples by a factor of four and is a useful method for achieving a low level of detection for brackish waters and seawaters.

This method involves a reductive precipitation of all metals by sodium borohydride (NaBH4) followed by a filtration of the precipitate through a pre-cleaned 0.2-µm filter. The majority of the saltwater matrix remains in the filtrate. The metals on the filter are then digested and oxidized with nitric acid (HNO3) and hydrogen peroxide (H2O2).

Sample aliquots for Column chelation were adjusted to a pH of 1% (v/v) HNO_3. Sample extracts are then analyzed by inductively coupled plasma — mass spectrometry (ICP-MS) according to EPA Method 1640.

Aliquots of prepared sample were analyzed with a Perkin Elmer ELAN with internal standardization. Briefly, this method incorporates ionization of the sample in inductively coupled RF plasma, with detection of the resulting ions by mass spectrometer on the basis of their mass-to-charge ratio.

In instances where the native sample concentration was a non-detect (reported as ND) and the corresponding DUP was also a non-detect, the RPD has been reported as 'N/C'.

Sequence 1200490

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

Batch B121108

The SRM SLEW-3 is not reported for Se and Tl since the SRM was not certified for either of these analytes.

Quality control samples –MS4 and –MS5 are seawater samples collected in Puget Sound and spiked with analytes of a known concentration.

Analysis of B121108-DUP1 and –DUP3 produced RPD outside of acceptance criteria for As. The native sample result for –DUP1, *GSL 4069 0.2m* (1225015-01), was qualified **M** and –DUP3 was performed on unrelated work order.

The analysis of MS2 and MSD2 for As and Se recovered outside of criteria. Native sample result for, *GSL 2565 0.5m* (1225015-21), was qualified **N** for inaccuracy. All data was reported without further qualification and all associated quality control sample results met the acceptance criteria.

Sequence 1200507

Secondary calibration verification (SCV1) standard was certified at about 2x the method reporting limit (MRL) for Cd. The recovery for Cd was low, but was less than 5x the MRL and within the MRL of the certified value. On this basis, SCV1 was reported for Cd and no results were qualified. A second SCV2 was analyzed and meet the acceptance criteria.

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

Batch B121109

The Cd analysis of SRM1 (CASS-5) recovered outside of acceptance criteria. See sequence narration for more detail. SCV1 was re-uploaded as SRM1 for this analysis. No results were qualified based on the recovery of –SRM2 (SLEW-3).

Sample result for *GSL 2767 (Field Blank)* (1225015-13) yielded detectable result for Cu at 0.0158 µg/L. This concentration was less than the MRL and was considered insignificant.

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

Trace Metals EPA Method 1638 modified (BR-0070) [tissues]

Total As and total Se analysis is performed by EPA Draft Method 1638 (modified) using inductively coupled plasma - mass spectrometry (ICP-MS) with Dynamic Reaction Cell (DRC™) technology. The analysis of all other metals used ICP-MS in standard mode. 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.

Sequence 1200550

The As analysis of continuing calibration blank (CCB9) was a detect above method criteria; however all of the samples bracketed have results greater than 10x the CCB result and therefore are not affected.

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

Batch B121137

The recovery criteria for the Se analysis of SRM1 (DORM-3) was not listed because the SRM was not certified for this metal.

Sample *GSL 4069 (Brine Shrimp rep)* (1225015-08) is field replicate of sample *GSL 4069 (Brine Shrimp)* (1225015-07) and yielded high RPD for As (59%) and Se (63%). Both results for Se analysis were below 5x MRL and within MRL of each other, meeting the secondary criteria for duplicate precision. No qualification was necessary based on field duplicate RPD. All other associated quality control sample results met the acceptance criteria.

Sequence 1200553

Initial calibration blank (ICB2) was greater than the low calibration standard when analyzed for Cd, Cu, Pb, and Tl. No samples were bracketed by this ICB and ICB3 was less than the low calibration standard for all analytes.

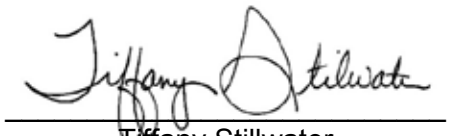
Instrument calibration, meeting all quality control criteria, was successfully achieved on the day of sample analysis.

Batch B121138

The Pb analysis of SRM1 (DORM-3) produced a recovery outside of acceptance criteria (50%); however, the recovery was in-line with historic Pb recoveries for this SRM. The historical average is recovery of 56%. The recovery of SRM2 (TORT-2) historically recovers well for Pb and met criteria for this analysis.

Sample *GSL 4069 (Brine Shrimp rep)* (1225015-08) is field replicate of sample *GSL 4069 (Brine Shrimp)* (1225015-07) and yielded high RPD for Cd (81%), Cu (51%), and Pb (72%). For both Cd and Pb, sample results were less than 5x MRL and the difference between the results were within 1x the MRL of each; the secondary acceptance criteria was met. No qualification was necessary based on field duplicate RPD. 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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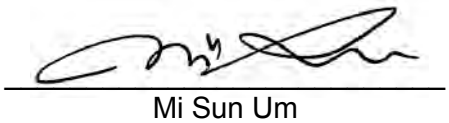

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Report Information

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

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.

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Sample Information

Sample	Lab ID	Report Matrix	Type	Sampled	Received
GSL 4069 0.2m	1225015-01	Great Salt Lake	Sample	06/13/2012	06/19/2012
GSL 4069 0.5m	1225015-02	Great Salt Lake	Sample	06/13/2012	06/19/2012
GSL @ Farm Bay Out (Brine Shrimp)	1225015-03	Brine Shrimp	Sample	06/12/2012	06/19/2012
GSL 2267 (Brine Shrimp)	1225015-04	Brine Shrimp	Sample	06/11/2012	06/19/2012
GSL 3510 (Brine Shrimp)	1225015-05	Brine Shrimp	Sample	06/12/2012	06/19/2012
N1018 (Brine Shrimp)	1225015-06	Brine Shrimp	Sample	06/11/2012	06/19/2012
GSL 4069 (Brine Shrimp)	1225015-07	Brine Shrimp	Sample	06/13/2012	06/19/2012
GSL 4069 (Brine Shrimp rep)	1225015-08	Brine Shrimp	Field Duplicate	06/13/2012	06/19/2012
GSL 2565 (Brine Shrimp)	1225015-09	Brine Shrimp	Sample	06/11/2012	06/19/2012
GSL 2820 (Brine Shrimp)	1225015-10	Brine Shrimp	Sample	06/12/2012	06/19/2012
GSL 2767 0.2m	1225015-11	Great Salt Lake	Sample	06/12/2012	06/19/2012
GSL 2767 0.5m	1225015-12	Great Salt Lake	Sample	06/12/2012	06/19/2012
GSL 2767 (Field Blank)	1225015-13	DIW	Field Blank	06/12/2012	06/19/2012
GSL 2767 .2 (Rep)	1225015-14	Great Salt Lake	Field Duplicate	06/12/2012	06/19/2012
GSL 2767 Brine Shrimp	1225015-15	Brine Shrimp	Sample	06/12/2012	06/19/2012
GSL 2820 0.2m	1225015-16	Great Salt Lake	Sample	06/12/2012	06/19/2012
GSL 2820 0.5m	1225015-17	Great Salt Lake	Sample	06/12/2012	06/19/2012
GSL 2267 0.2m	1225015-18	Great Salt Lake	Sample	06/11/2012	06/19/2012
GSL 2267 0.5m	1225015-19	Great Salt Lake	Sample	06/11/2012	06/19/2012
GSL 2565 0.2m	1225015-20	Great Salt Lake	Sample	06/11/2012	06/19/2012
GSL 2565 0.5m	1225015-21	Great Salt Lake	Sample	06/11/2012	06/19/2012
GSL @ Farm Bay Outlet 0.2m	1225015-22	Great Salt Lake	Sample	06/12/2012	06/19/2012
GSL @ Farm Bay Outlet 0.5m	1225015-23	Great Salt Lake	Sample	06/12/2012	06/19/2012
N1018 0.2m	1225015-24	Water	Sample	06/11/2012	06/19/2012
N1018 0.5m	1225015-25	Water	Sample	06/11/2012	06/19/2012
GSL 3510 0.2m	1225015-26	Great Salt Lake	Sample	06/13/2012	06/19/2012
GSL 3510 0.5m	1225015-27	Great Salt Lake	Sample	06/13/2012	06/19/2012

Project ID: UDE-SL1201
PM: Tiffany Stilwater

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Batch Summary

Analyte	Lab Matrix	Method	Prepared	Analyzed	Batch	Sequence
%TS	Biota	SM 2540G	07/02/2012	07/06/2012	B121105	N/A
As	Biota	EPA 1638 DRC	07/13/2012	07/19/2012	B121137	1200550
Cd	Biota	EPA 1638	07/13/2012	07/20/2012	B121138	1200553
Cu	Biota	EPA 1638	07/13/2012	07/20/2012	B121138	1200553
Hg	Biota	EPA 1631 Appendix	07/02/2012	07/04/2012	B121104	1200502
Pb	Biota	EPA 1638	07/13/2012	07/20/2012	B121138	1200553
Se	Biota	EPA 1638 DRC	07/13/2012	07/19/2012	B121137	1200550
Tl	Biota	EPA 1638	07/13/2012	07/20/2012	B121138	1200553
As	Water	EPA 1640 RP	06/25/2012	06/29/2012	B121108	1200490
Cd	Water	EPA 1640 Column	06/25/2012	07/07/2012	B121109	1200507
Cu	Water	EPA 1640 Column	06/25/2012	07/07/2012	B121109	1200507
Hg	Water	EPA 1631	07/05/2012	07/11/2012	B121102	1200522
MeHg	Water	EPA 1630	07/17/2012	07/18/2012	B121107	1200545
Pb	Water	EPA 1640 Column	06/25/2012	07/07/2012	B121109	1200507
Se	Water	EPA 1640 RP	06/25/2012	06/29/2012	B121108	1200490
Tl	Water	EPA 1640 RP	06/25/2012	06/29/2012	B121108	1200490

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
GSL @ Farm Bay Out (Brine Shrimp)										
1225015-03	%TS	Brine Shrimp	NA	9.46		0.14	0.48	%	B121105	N/A
1225015-03	As	Brine Shrimp	dry	7.03		0.146	0.417	mg/kg	B121137	1200550
1225015-03	Cd	Brine Shrimp	dry	0.342		0.073	0.208	mg/kg	B121138	1200553
1225015-03	Cu	Brine Shrimp	dry	7.64		0.31	1.67	mg/kg	B121138	1200553
1225015-03	Hg	Brine Shrimp	dry	85.7		1.24	4.15	ng/g	B121104	1200502
1225015-03	Pb	Brine Shrimp	dry	0.811		0.042	0.417	mg/kg	B121138	1200553
1225015-03	Se	Brine Shrimp	dry	1.77		0.63	1.56	mg/kg	B121137	1200550
1225015-03	Tl	Brine Shrimp	dry	0.021	U	0.021	0.083	mg/kg	B121138	1200553
GSL @ Farm Bay Outlet 0.2m										
1225015-22	As	Great Salt Lake	T	38.0		0.15	0.50	µg/L	B121108	1200490
1225015-22	Cd	Great Salt Lake	T	0.0101	U	0.0101	0.101	µg/L	B121109	1200507
1225015-22	Cu	Great Salt Lake	T	1.36		0.0202	0.202	µg/L	B121109	1200507
1225015-22	Hg	Great Salt Lake	T	2.34		0.20	0.54	ng/L	B121102	1200522
1225015-22	MeHg	Great Salt Lake	T	0.791		0.019	0.048	ng/L	B121107	1200545
1225015-22	Pb	Great Salt Lake	T	0.574		0.0101	0.101	µg/L	B121109	1200507
1225015-22	Se	Great Salt Lake	T	0.348	U	0.348	1.04	µg/L	B121108	1200490
1225015-22	Tl	Great Salt Lake	T	0.010	U	0.010	0.050	µg/L	B121108	1200490
GSL @ Farm Bay Outlet 0.5m										
1225015-23	As	Great Salt Lake	T	63.3		0.15	0.49	µg/L	B121108	1200490
1225015-23	Cd	Great Salt Lake	T	0.0101	U	0.0101	0.101	µg/L	B121109	1200507
1225015-23	Cu	Great Salt Lake	T	1.27		0.0202	0.202	µg/L	B121109	1200507
1225015-23	Hg	Great Salt Lake	T	1.67		0.15	0.40	ng/L	B121102	1200522
1225015-23	MeHg	Great Salt Lake	T	3.37		0.019	0.048	ng/L	B121107	1200545
1225015-23	Pb	Great Salt Lake	T	1.26		0.0101	0.101	µg/L	B121109	1200507
1225015-23	Se	Great Salt Lake	T	0.345	U	0.345	1.03	µg/L	B121108	1200490
1225015-23	Tl	Great Salt Lake	T	0.044	B	0.010	0.049	µg/L	B121108	1200490

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
GSL 2267 (Brine Shrimp)										
1225015-04	%TS	Brine Shrimp	NA	12.02		0.14	0.48	%	B121105	N/A
1225015-04	As	Brine Shrimp	dry	7.40		0.089	0.254	mg/kg	B121137	1200550
1225015-04	Cd	Brine Shrimp	dry	0.122	B	0.044	0.127	mg/kg	B121138	1200553
1225015-04	Cu	Brine Shrimp	dry	8.38		0.19	1.02	mg/kg	B121138	1200553
1225015-04	Hg	Brine Shrimp	dry	36.8		0.85	2.82	ng/g	B121104	1200502
1225015-04	Pb	Brine Shrimp	dry	0.861		0.025	0.254	mg/kg	B121138	1200553
1225015-04	Se	Brine Shrimp	dry	0.84	B	0.38	0.95	mg/kg	B121137	1200550
1225015-04	Tl	Brine Shrimp	dry	0.013	U	0.013	0.051	mg/kg	B121138	1200553
GSL 2267 0.2m										
1225015-18	As	Great Salt Lake	T	71.5		0.15	0.49	µg/L	B121108	1200490
1225015-18	Cd	Great Salt Lake	T	0.0101	U	0.0101	0.101	µg/L	B121109	1200507
1225015-18	Cu	Great Salt Lake	T	1.86		0.0202	0.202	µg/L	B121109	1200507
1225015-18	Hg	Great Salt Lake	T	1.29		0.20	0.54	ng/L	B121102	1200522
1225015-18	MeHg	Great Salt Lake	T	0.180		0.020	0.051	ng/L	B121107	1200545
1225015-18	Pb	Great Salt Lake	T	1.11		0.0101	0.101	µg/L	B121109	1200507
1225015-18	Se	Great Salt Lake	T	0.343	U	0.343	1.03	µg/L	B121108	1200490
1225015-18	Tl	Great Salt Lake	T	0.037	B	0.010	0.049	µg/L	B121108	1200490
GSL 2267 0.5m										
1225015-19	As	Great Salt Lake	T	67.5		0.15	0.49	µg/L	B121108	1200490
1225015-19	Cd	Great Salt Lake	T	0.0101	U	0.0101	0.101	µg/L	B121109	1200507
1225015-19	Cu	Great Salt Lake	T	1.88		0.0202	0.202	µg/L	B121109	1200507
1225015-19	Hg	Great Salt Lake	T	1.49		0.15	0.40	ng/L	B121102	1200522
1225015-19	MeHg	Great Salt Lake	T	0.623		0.020	0.049	ng/L	B121107	1200545
1225015-19	Pb	Great Salt Lake	T	1.10		0.0101	0.101	µg/L	B121109	1200507
1225015-19	Se	Great Salt Lake	T	0.343	U	0.343	1.03	µg/L	B121108	1200490
1225015-19	Tl	Great Salt Lake	T	0.040	B	0.010	0.049	µg/L	B121108	1200490

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
GSL 2565 (Brine Shrimp)										
1225015-09	%TS	Brine Shrimp	NA	13.84		0.14	0.48	%	B121105	N/A
1225015-09	As	Brine Shrimp	dry	2.51		0.087	0.249	mg/kg	B121137	1200550
1225015-09	Cd	Brine Shrimp	dry	0.044	U	0.044	0.124	mg/kg	B121138	1200553
1225015-09	Cu	Brine Shrimp	dry	3.47		0.19	0.99	mg/kg	B121138	1200553
1225015-09	Hg	Brine Shrimp	dry	89.5		0.79	2.63	ng/g	B121104	1200502
1225015-09	Pb	Brine Shrimp	dry	0.123	B	0.025	0.249	mg/kg	B121138	1200553
1225015-09	Se	Brine Shrimp	dry	0.44	B	0.37	0.93	mg/kg	B121137	1200550
1225015-09	Tl	Brine Shrimp	dry	0.012	U	0.012	0.050	mg/kg	B121138	1200553
GSL 2565 0.2m										
1225015-20	As	Great Salt Lake	T	61.1		0.15	0.50	µg/L	B121108	1200490
1225015-20	Cd	Great Salt Lake	T	0.0101	U	0.0101	0.101	µg/L	B121109	1200507
1225015-20	Cu	Great Salt Lake	T	1.65		0.0202	0.202	µg/L	B121109	1200507
1225015-20	Hg	Great Salt Lake	T	1.32		0.20	0.54	ng/L	B121102	1200522
1225015-20	MeHg	Great Salt Lake	T	0.151		0.021	0.051	ng/L	B121107	1200545
1225015-20	Pb	Great Salt Lake	T	1.07		0.0101	0.101	µg/L	B121109	1200507
1225015-20	Se	Great Salt Lake	T	0.350	U	0.350	1.05	µg/L	B121108	1200490
1225015-20	Tl	Great Salt Lake	T	0.036	B	0.010	0.050	µg/L	B121108	1200490
GSL 2565 0.5m										
1225015-21	As	Great Salt Lake	T	105	N	0.15	0.49	µg/L	B121108	1200490
1225015-21	Cd	Great Salt Lake	T	0.172		0.0101	0.101	µg/L	B121109	1200507
1225015-21	Cu	Great Salt Lake	T	3.28		0.0202	0.202	µg/L	B121109	1200507
1225015-21	Hg	Great Salt Lake	T	26.4		0.15	0.41	ng/L	B121102	1200522
1225015-21	MeHg	Great Salt Lake	T	8.71		0.019	0.048	ng/L	B121107	1200545
1225015-21	Pb	Great Salt Lake	T	6.71		0.0101	0.101	µg/L	B121109	1200507
1225015-21	Se	Great Salt Lake	T	0.391	N, B	0.346	1.04	µg/L	B121108	1200490
1225015-21	Tl	Great Salt Lake	T	0.056		0.010	0.049	µg/L	B121108	1200490

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
GSL 2767 (Field Blank)										
1225015-13	As	DIW	T	0.03	U	0.03	0.10	µg/L	B121108	1200490
1225015-13	Cd	DIW	T	0.0010	U	0.0010	0.0101	µg/L	B121109	1200507
1225015-13	Cu	DIW	T	0.0158	B	0.0020	0.0202	µg/L	B121109	1200507
1225015-13	Hg	DIW	T	0.15	U	0.15	0.40	ng/L	B121102	1200522
1225015-13	MeHg	DIW	T	0.020	U	0.020	0.051	ng/L	B121107	1200545
1225015-13	Pb	DIW	T	0.0010	U	0.0010	0.0101	µg/L	B121109	1200507
1225015-13	Se	DIW	T	0.070	U	0.070	0.209	µg/L	B121108	1200490
1225015-13	Tl	DIW	T	0.002	U	0.002	0.010	µg/L	B121108	1200490
GSL 2767 .2 (Rep)										
1225015-14	As	Great Salt Lake	T	74.7		0.15	0.50	µg/L	B121108	1200490
1225015-14	Cd	Great Salt Lake	T	0.0101	U	0.0101	0.101	µg/L	B121109	1200507
1225015-14	Cu	Great Salt Lake	T	1.35		0.0202	0.202	µg/L	B121109	1200507
1225015-14	Hg	Great Salt Lake	T	1.95		0.15	0.40	ng/L	B121102	1200522
1225015-14	MeHg	Great Salt Lake	T	1.45		0.020	0.049	ng/L	B121107	1200545
1225015-14	Pb	Great Salt Lake	T	1.11		0.0101	0.101	µg/L	B121109	1200507
1225015-14	Se	Great Salt Lake	T	0.348	U	0.348	1.04	µg/L	B121108	1200490
1225015-14	Tl	Great Salt Lake	T	0.036	B	0.010	0.050	µg/L	B121108	1200490
GSL 2767 0.2m										
1225015-11	As	Great Salt Lake	T	66.0		0.15	0.49	µg/L	B121108	1200490
1225015-11	Cd	Great Salt Lake	T	0.0101	U	0.0101	0.101	µg/L	B121109	1200507
1225015-11	Cu	Great Salt Lake	T	1.43		0.0202	0.202	µg/L	B121109	1200507
1225015-11	Hg	Great Salt Lake	T	1.77		0.20	0.54	ng/L	B121102	1200522
1225015-11	MeHg	Great Salt Lake	T	1.41		0.020	0.049	ng/L	B121107	1200545
1225015-11	Pb	Great Salt Lake	T	1.18		0.0101	0.101	µg/L	B121109	1200507
1225015-11	Se	Great Salt Lake	T	0.345	U	0.345	1.03	µg/L	B121108	1200490
1225015-11	Tl	Great Salt Lake	T	0.039	B	0.010	0.049	µg/L	B121108	1200490

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
GSL 2767 0.5m										
1225015-12	As	Great Salt Lake	T	66.0		0.15	0.49	µg/L	B121108	1200490
1225015-12	Cd	Great Salt Lake	T	0.0101	U	0.0101	0.101	µg/L	B121109	1200507
1225015-12	Cu	Great Salt Lake	T	1.63		0.0202	0.202	µg/L	B121109	1200507
1225015-12	Hg	Great Salt Lake	T	2.39		0.15	0.40	ng/L	B121102	1200522
1225015-12	MeHg	Great Salt Lake	T	0.480		0.021	0.052	ng/L	B121107	1200545
1225015-12	Pb	Great Salt Lake	T	1.02		0.0101	0.101	µg/L	B121109	1200507
1225015-12	Se	Great Salt Lake	T	0.341	U	0.341	1.02	µg/L	B121108	1200490
1225015-12	Tl	Great Salt Lake	T	0.035	B	0.010	0.049	µg/L	B121108	1200490
GSL 2767 Brine Shrimp										
1225015-15	%TS	Brine Shrimp	NA	11.52		0.14	0.48	%	B121105	N/A
1225015-15	As	Brine Shrimp	dry	4.58		0.094	0.269	mg/kg	B121137	1200550
1225015-15	Cd	Brine Shrimp	dry	0.103	B	0.047	0.135	mg/kg	B121138	1200553
1225015-15	Cu	Brine Shrimp	dry	5.35		0.20	1.08	mg/kg	B121138	1200553
1225015-15	Hg	Brine Shrimp	dry	57.0		0.91	3.04	ng/g	B121104	1200502
1225015-15	Pb	Brine Shrimp	dry	0.280		0.027	0.269	mg/kg	B121138	1200553
1225015-15	Se	Brine Shrimp	dry	0.84	B	0.40	1.01	mg/kg	B121137	1200550
1225015-15	Tl	Brine Shrimp	dry	0.013	U	0.013	0.054	mg/kg	B121138	1200553
GSL 2820 (Brine Shrimp)										
1225015-10	%TS	Brine Shrimp	NA	11.07		0.14	0.48	%	B121105	N/A
1225015-10	As	Brine Shrimp	dry	4.71		0.143	0.407	mg/kg	B121137	1200550
1225015-10	Cd	Brine Shrimp	dry	0.096	B	0.071	0.204	mg/kg	B121138	1200553
1225015-10	Cu	Brine Shrimp	dry	5.72		0.31	1.63	mg/kg	B121138	1200553
1225015-10	Hg	Brine Shrimp	dry	77.5		0.86	2.85	ng/g	B121104	1200502
1225015-10	Pb	Brine Shrimp	dry	0.415		0.041	0.407	mg/kg	B121138	1200553
1225015-10	Se	Brine Shrimp	dry	0.92	B	0.61	1.53	mg/kg	B121137	1200550
1225015-10	Tl	Brine Shrimp	dry	0.020	U	0.020	0.081	mg/kg	B121138	1200553

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
GSL 2820 0.2m										
1225015-16	As	Great Salt Lake	T	75.9		0.15	0.49	µg/L	B121108	1200490
1225015-16	Cd	Great Salt Lake	T	0.0101	U	0.0101	0.101	µg/L	B121109	1200507
1225015-16	Cu	Great Salt Lake	T	1.61		0.0202	0.202	µg/L	B121109	1200507
1225015-16	Hg	Great Salt Lake	T	1.59		0.20	0.54	ng/L	B121102	1200522
1225015-16	MeHg	Great Salt Lake	T	0.949		0.020	0.050	ng/L	B121107	1200545
1225015-16	Pb	Great Salt Lake	T	0.969		0.0101	0.101	µg/L	B121109	1200507
1225015-16	Se	Great Salt Lake	T	0.344	U	0.344	1.03	µg/L	B121108	1200490
1225015-16	Tl	Great Salt Lake	T	0.034	B	0.010	0.049	µg/L	B121108	1200490
GSL 2820 0.5m										
1225015-17	As	Great Salt Lake	T	75.0		0.15	0.50	µg/L	B121108	1200490
1225015-17	Cd	Great Salt Lake	T	0.0101	U	0.0101	0.101	µg/L	B121109	1200507
1225015-17	Cu	Great Salt Lake	T	1.67		0.0202	0.202	µg/L	B121109	1200507
1225015-17	Hg	Great Salt Lake	T	2.73		0.15	0.41	ng/L	B121102	1200522
1225015-17	MeHg	Great Salt Lake	T	1.20		0.020	0.050	ng/L	B121107	1200545
1225015-17	Pb	Great Salt Lake	T	0.976		0.0101	0.101	µg/L	B121109	1200507
1225015-17	Se	Great Salt Lake	T	0.349	U	0.349	1.05	µg/L	B121108	1200490
1225015-17	Tl	Great Salt Lake	T	0.037	B	0.010	0.050	µg/L	B121108	1200490
GSL 3510 (Brine Shrimp)										
1225015-05	%TS	Brine Shrimp	NA	13.15		0.14	0.48	%	B121105	N/A
1225015-05	As	Brine Shrimp	dry	5.19		0.078	0.224	mg/kg	B121137	1200550
1225015-05	Cd	Brine Shrimp	dry	0.126		0.039	0.112	mg/kg	B121138	1200553
1225015-05	Cu	Brine Shrimp	dry	6.49		0.17	0.89	mg/kg	B121138	1200553
1225015-05	Hg	Brine Shrimp	dry	237	M	0.81	2.69	ng/g	B121104	1200502
1225015-05	Pb	Brine Shrimp	dry	0.585		0.022	0.224	mg/kg	B121138	1200553
1225015-05	Se	Brine Shrimp	dry	1.20		0.34	0.84	mg/kg	B121137	1200550
1225015-05	Tl	Brine Shrimp	dry	0.011	U	0.011	0.045	mg/kg	B121138	1200553

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
GSL 3510 0.2m										
1225015-26	As	Great Salt Lake	T	71.3		0.15	0.50	µg/L	B121108	1200490
1225015-26	Cd	Great Salt Lake	T	0.0101	U	0.0101	0.101	µg/L	B121109	1200507
1225015-26	Cu	Great Salt Lake	T	1.81		0.0202	0.202	µg/L	B121109	1200507
1225015-26	Hg	Great Salt Lake	T	1.32		0.15	0.40	ng/L	B121102	1200522
1225015-26	MeHg	Great Salt Lake	T	0.150		0.020	0.050	ng/L	B121107	1200545
1225015-26	Pb	Great Salt Lake	T	1.04		0.0101	0.101	µg/L	B121109	1200507
1225015-26	Se	Great Salt Lake	T	0.347	U	0.347	1.04	µg/L	B121108	1200490
1225015-26	Tl	Great Salt Lake	T	0.034	B	0.010	0.050	µg/L	B121108	1200490
GSL 3510 0.5m										
1225015-27	As	Great Salt Lake	T	110		0.15	0.49	µg/L	B121108	1200490
1225015-27	Cd	Great Salt Lake	T	0.273		0.0101	0.101	µg/L	B121109	1200507
1225015-27	Cu	Great Salt Lake	T	4.02		0.0202	0.202	µg/L	B121109	1200507
1225015-27	Hg	Great Salt Lake	T	46.3		0.15	0.41	ng/L	B121102	1200522
1225015-27	MeHg	Great Salt Lake	T	22.6		0.019	0.049	ng/L	B121107	1200545
1225015-27	Pb	Great Salt Lake	T	13.4		0.0101	0.101	µg/L	B121109	1200507
1225015-27	Se	Great Salt Lake	T	0.776	B	0.344	1.03	µg/L	B121108	1200490
1225015-27	Tl	Great Salt Lake	T	0.113		0.010	0.049	µg/L	B121108	1200490
GSL 4069 (Brine Shrimp rep)										
1225015-08	%TS	Brine Shrimp	NA	12.92		0.14	0.48	%	B121105	N/A
1225015-08	As	Brine Shrimp	dry	8.05		0.102	0.291	mg/kg	B121137	1200550
1225015-08	Cd	Brine Shrimp	dry	0.165		0.051	0.145	mg/kg	B121138	1200553
1225015-08	Cu	Brine Shrimp	dry	9.35		0.22	1.16	mg/kg	B121138	1200553
1225015-08	Hg	Brine Shrimp	dry	162		0.71	2.38	ng/g	B121104	1200502
1225015-08	Pb	Brine Shrimp	dry	0.581		0.029	0.291	mg/kg	B121138	1200553
1225015-08	Se	Brine Shrimp	dry	1.63		0.44	1.09	mg/kg	B121137	1200550
1225015-08	Tl	Brine Shrimp	dry	0.015	U	0.015	0.058	mg/kg	B121138	1200553

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
GSL 4069 (Brine Shrimp)										
1225015-07	%TS	Brine Shrimp	NA	12.21		0.14	0.48	%	B121105	N/A
1225015-07	As	Brine Shrimp	dry	4.39		0.114	0.325	mg/kg	B121137	1200550
1225015-07	Cd	Brine Shrimp	dry	0.070	B	0.057	0.162	mg/kg	B121138	1200553
1225015-07	Cu	Brine Shrimp	dry	5.56		0.24	1.30	mg/kg	B121138	1200553
1225015-07	Hg	Brine Shrimp	dry	90.6		0.84	2.80	ng/g	B121104	1200502
1225015-07	Pb	Brine Shrimp	dry	0.273	B	0.032	0.325	mg/kg	B121138	1200553
1225015-07	Se	Brine Shrimp	dry	0.85	B	0.49	1.22	mg/kg	B121137	1200550
1225015-07	Tl	Brine Shrimp	dry	0.016	U	0.016	0.065	mg/kg	B121138	1200553
GSL 4069 0.2m										
1225015-01	As	Great Salt Lake	T	40.3	M	0.15	0.49	µg/L	B121108	1200490
1225015-01	Cd	Great Salt Lake	T	0.0101	U	0.0101	0.101	µg/L	B121109	1200507
1225015-01	Cu	Great Salt Lake	T	2.43		0.0202	0.202	µg/L	B121109	1200507
1225015-01	Hg	Great Salt Lake	T	1.23		0.15	0.41	ng/L	B121102	1200522
1225015-01	MeHg	Great Salt Lake	T	0.152		0.020	0.050	ng/L	B121107	1200545
1225015-01	Pb	Great Salt Lake	T	1.19		0.0101	0.101	µg/L	B121109	1200507
1225015-01	Se	Great Salt Lake	T	0.345	U	0.345	1.03	µg/L	B121108	1200490
1225015-01	Tl	Great Salt Lake	T	0.032	B	0.010	0.049	µg/L	B121108	1200490
GSL 4069 0.5m										
1225015-02	As	Great Salt Lake	T	68.4		0.15	0.49	µg/L	B121108	1200490
1225015-02	Cd	Great Salt Lake	T	0.0101	U	0.0101	0.101	µg/L	B121109	1200507
1225015-02	Cu	Great Salt Lake	T	2.27		0.0202	0.202	µg/L	B121109	1200507
1225015-02	Hg	Great Salt Lake	T	1.15		0.15	0.41	ng/L	B121102	1200522
1225015-02	MeHg	Great Salt Lake	T	0.812		0.019	0.049	ng/L	B121107	1200545
1225015-02	Pb	Great Salt Lake	T	1.07		0.0101	0.101	µg/L	B121109	1200507
1225015-02	Se	Great Salt Lake	T	0.346	U	0.346	1.04	µg/L	B121108	1200490
1225015-02	Tl	Great Salt Lake	T	0.035	B	0.010	0.049	µg/L	B121108	1200490

Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
N1018 (Brine Shrimp)										
1225015-06	%TS	Brine Shrimp	NA	15.35		0.14	0.48	%	B121105	N/A
1225015-06	As	Brine Shrimp	dry	3.14		0.077	0.219	mg/kg	B121137	1200550
1225015-06	Cd	Brine Shrimp	dry	0.070	B	0.038	0.110	mg/kg	B121138	1200553
1225015-06	Cu	Brine Shrimp	dry	6.20		0.16	0.88	mg/kg	B121138	1200553
1225015-06	Hg	Brine Shrimp	dry	98.4		0.65	2.17	ng/g	B121104	1200502
1225015-06	Pb	Brine Shrimp	dry	0.646		0.022	0.219	mg/kg	B121138	1200553
1225015-06	Se	Brine Shrimp	dry	0.47	B	0.33	0.82	mg/kg	B121137	1200550
1225015-06	Tl	Brine Shrimp	dry	0.011	U	0.011	0.044	mg/kg	B121138	1200553
N1018 0.2m										
1225015-24	As	Water	T	71.7		0.15	0.50	µg/L	B121108	1200490
1225015-24	Cd	Water	T	0.0101	U	0.0101	0.101	µg/L	B121109	1200507
1225015-24	Cu	Water	T	1.69		0.0202	0.202	µg/L	B121109	1200507
1225015-24	Hg	Water	T	1.67		0.15	0.41	ng/L	B121102	1200522
1225015-24	MeHg	Water	T	0.415		0.020	0.050	ng/L	B121107	1200545
1225015-24	Pb	Water	T	1.06		0.0101	0.101	µg/L	B121109	1200507
1225015-24	Se	Water	T	0.347	U	0.347	1.04	µg/L	B121108	1200490
1225015-24	Tl	Water	T	0.035	B	0.010	0.050	µg/L	B121108	1200490
N1018 0.5m										
1225015-25	As	Water	T	107		0.15	0.50	µg/L	B121108	1200490
1225015-25	Cd	Water	T	0.280		0.0101	0.101	µg/L	B121109	1200507
1225015-25	Cu	Water	T	2.37		0.0202	0.202	µg/L	B121109	1200507
1225015-25	Hg	Water	T	31.4		0.15	0.41	ng/L	B121102	1200522
1225015-25	MeHg	Water	T	12.2		0.020	0.049	ng/L	B121107	1200545
1225015-25	Pb	Water	T	11.0		0.0101	0.101	µg/L	B121109	1200507
1225015-25	Se	Water	T	0.603	B	0.349	1.05	µg/L	B121108	1200490
1225015-25	Tl	Water	T	0.099		0.010	0.050	µg/L	B121108	1200490

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Accuracy & Precision Summary

Batch: B121102
Lab Matrix: Water
Method: EPA 1631

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B121102-SRM1	**Certified Reference Material (1225054, NIST 1641d 1000x dilution)**						
	Hg		15.68	17.17	ng/L	109% 85-115	
B121102-MS3	**Matrix Spike (1225015-11)**						
	Hg	1.77	8.158	11.72	ng/L	122% 71-125	
B121102-MSD3	**Matrix Spike Duplicate (1225015-11)**						
	Hg	1.77	8.080	11.65	ng/L	122% 71-125	0.6% 24
B121102-MS1	**Matrix Spike (1226026-01)**						
	Hg	20.86	70.14	107.2	ng/L	123% 71-125	
B121102-MSD1	**Matrix Spike Duplicate (1226026-01)**						
	Hg	20.86	70.01	107.4	ng/L	124% 71-125	0.2% 24
B121102-MS2	**Matrix Spike (1226027-34)**						
	Hg	4.47	22.34	30.88	ng/L	118% 71-125	
B121102-MSD2	**Matrix Spike Duplicate (1226027-34)**						
	Hg	4.47	22.30	30.88	ng/L	118% 71-125	0.02% 24

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Accuracy & Precision Summary

Batch: B121104
Lab Matrix: Biota
Method: EPA 1631 Appendix

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B121104-SRM1	**Certified Reference Material (1219049, DORM-3)**						
	Hg		382.0	437.5	ng/g	115% 75-125	
B121104-DUP1	**Duplicate (1225015-05)**						
	Hg	236.8		159.0	ng/g dry		*39%* 30
B121104-MS1	**Matrix Spike (1225015-05)**						
	Hg	236.8	2582	2658	ng/g dry	94% 70-130	
B121104-MSD1	**Matrix Spike Duplicate (1225015-05)**						
	Hg	236.8	1905	2161	ng/g dry	101% 70-130	21% 30

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Accuracy & Precision Summary

Batch: B121105
Lab Matrix: Biota
Method: SM 2540G

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B121105-DUP1	**Duplicate (1225015-05)**						
	%TS	13.15		13.04	%		0.9% 15

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Accuracy & Precision Summary

Batch: B121107
Lab Matrix: Water
Method: EPA 1630

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B121107-BS1	**Laboratory Fortified Blank (1225056)**						
	MeHg		1.003	0.701	ng/L	70% 67-133	
B121107-BS2	**Laboratory Fortified Blank (1225056)**						
	MeHg		1.017	1.083	ng/L	107% 67-133	
B121107-MS1	**Matrix Spike (1225015-02)**						
	MeHg	0.812	0.3999	1.180	ng/L	92% 65-135	
B121107-MSD1	**Matrix Spike Duplicate (1225015-02)**						
	MeHg	0.812	0.4065	1.290	ng/L	118% 65-135	9% 35
B121107-MS2	**Matrix Spike (1226028-67)**						
	MeHg	0.166	0.4030	0.581	ng/L	103% 65-135	
B121107-MSD2	**Matrix Spike Duplicate (1226028-67)**						
	MeHg	0.166	0.3992	0.582	ng/L	104% 65-135	0.2% 35
B121107-MS3	**Matrix Spike (1226029-03)**						
	MeHg	0.097	3.529	3.939	ng/L	109% 65-135	
B121107-MSD3	**Matrix Spike Duplicate (1226029-03)**						
	MeHg	0.097	3.479	4.040	ng/L	113% 65-135	3% 35

Accuracy & Precision Summary

Batch: B121108
Lab Matrix: Water
Method: EPA 1640 RP

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B121108-BS1	**Laboratory Fortified Blank (1226002)**						
	As		24.93	19.74	µg/L	79% 70-130	
	Se		0.3988	0.382	µg/L	96% 70-130	
	Tl		0.01994	0.019	µg/L	98% 70-130	
B121108-BS2	**Laboratory Fortified Blank (1226005)**						
	As		0.9965	0.80	µg/L	80% 70-130	
B121108-SRM1	**Certified Reference Material (1220064, SLEW-3)**						
	As		1.355	1.44	µg/L	106% 75-125	
B121108-MS4	**Matrix Spike (0944029-89)**						
	As	1.06	24.90	25.01	µg/L	96% 70-130	
	Se	ND	0.3984	0.453	µg/L	98% 70-130	
	Tl	0.011	0.01992	0.032	µg/L	106% 70-130	
B121108-MS5	**Matrix Spike (0944029-89)**						
	As	1.06	1.000	1.94	µg/L	88% 70-130	
B121108-DUP3	**Duplicate (1222027-10)**						
	As	1.01		1.38	µg/L		*31%* 30
	Tl	0.005		0.005	µg/L		3% 30
B121108-MS3	**Matrix Spike (1222027-10)**						
	As	1.01	0.9960	2.30	µg/L	129% 70-130	
B121108-DUP1	**Duplicate (1225015-01)**						
	As	40.27		71.35	µg/L		*56%* 30
	Se	ND		ND	µg/L		N/C 30
	Tl	0.032		0.035	µg/L		10% 30

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Accuracy & Precision Summary

Batch: B121108
Lab Matrix: Water
Method: EPA 1640 RP

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B121108-MS1	**Matrix Spike (1225015-01)**						
	As	40.27	124.4	140.3	µg/L	80% 70-130	
	Se	ND	1.990	2.066	µg/L	96% 70-130	
	Tl	0.032	0.09950	0.137	µg/L	105% 70-130	
B121108-MSD1	**Matrix Spike Duplicate (1225015-01)**						
	As	40.27	123.8	175.2	µg/L	109% 70-130	22% 30
	Se	ND	1.980	1.847	µg/L	85% 70-130	11% 30
	Tl	0.032	0.09901	0.139	µg/L	108% 70-130	2% 30
B121108-DUP2	**Duplicate (1225015-21)**						
	As	104.7		103.6	µg/L		1% 30
	Se	0.391		0.474	µg/L		19% 30
	Tl	0.056		0.057	µg/L		3% 30
B121108-MS2	**Matrix Spike (1225015-21)**						
	As	104.7	124.1	159.3	µg/L	*44%* 70-130	
	Se	0.391	1.985	1.531	µg/L	*57%* 70-130	
	Tl	0.056	0.09926	0.148	µg/L	93% 70-130	
B121108-MSD2	**Matrix Spike Duplicate (1225015-21)**						
	As	104.7	124.7	161.2	µg/L	*45%* 70-130	1% 30
	Se	0.391	1.995	1.471	µg/L	*54%* 70-130	4% 30
	Tl	0.056	0.09975	0.153	µg/L	98% 70-130	4% 30

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Accuracy & Precision Summary

Batch: B121109
Lab Matrix: Water
Method: EPA 1640 Column

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B121109-BS1	**Laboratory Fortified Blank (1210062)**						
	Cd		0.2020	0.1938	µg/L	96% 75-125	
	Cu		2.020	1.882	µg/L	93% 75-125	
	Pb		0.5051	0.4849	µg/L	96% 75-125	
B121109-SRM1	**Certified Reference Material (1151023, CASS-5)**						
	Cd		0.02150	0.0122	µg/L	*57%* 75-125	
	Cu		0.3800	0.3420	µg/L	90% 75-125	
	Pb		0.01100	0.0085	µg/L	77% 75-125	
B121109-SRM2	**Certified Reference Material (1214034, SLEW-3)**						
	Cd		0.04800	0.0430	µg/L	90% 75-125	
	Cu		1.550	1.464	µg/L	94% 75-125	
B121109-DUP1	**Duplicate (1225015-11)**						
	Cd	ND		ND	µg/L		N/C 20
	Cu	1.430		1.415	µg/L		1% 20
	Pb	1.175		1.168	µg/L		0.6% 20
B121109-MS1	**Matrix Spike (1225015-11)**						
	Cd	ND	20.20	16.75	µg/L	83% 75-125	
	Cu	1.430	20.20	17.77	µg/L	81% 75-125	
	Pb	1.175	20.20	18.04	µg/L	83% 75-125	
B121109-MSD1	**Matrix Spike Duplicate (1225015-11)**						
	Cd	ND	20.20	18.46	µg/L	91% 75-125	10% 20
	Cu	1.430	20.20	19.86	µg/L	91% 75-125	11% 20
	Pb	1.175	20.20	19.40	µg/L	90% 75-125	7% 20
B121109-DUP2	**Duplicate (1225015-19)**						
	Cd	ND		ND	µg/L		N/C 20
	Cu	1.884		1.886	µg/L		0.1% 20
	Pb	1.097		1.108	µg/L		1% 20

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Accuracy & Precision Summary

Batch: B121109
Lab Matrix: Water
Method: EPA 1640 Column

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B121109-MS2	**Matrix Spike (1225015-19)**						
	Cd	ND	20.20	18.43	µg/L	91% 75-125	
	Cu	1.884	20.20	20.41	µg/L	92% 75-125	
	Pb	1.097	20.20	19.56	µg/L	91% 75-125	
B121109-MSD2	**Matrix Spike Duplicate (1225015-19)**						
	Cd	ND	20.20	18.50	µg/L	92% 75-125	0.3% 20
	Cu	1.884	20.20	20.41	µg/L	92% 75-125	0.03% 20
	Pb	1.097	20.20	19.73	µg/L	92% 75-125	0.9% 20

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Accuracy & Precision Summary

Batch: B121137
Lab Matrix: Biota
Method: EPA 1638 DRC

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B121137-BS1	**Laboratory Fortified Blank (1228098)**						
	As		1.000	0.995	mg/kg	99% 75-125	
	Se		1.500	1.56	mg/kg	104% 75-125	
B121137-SRM1	**Certified Reference Material (1219049, DORM-3)**						
	As		6.880	6.246	mg/kg	91% 75-125	
	Se		3.300	3.33	mg/kg	101% N/A	
B121137-SRM2	**Certified Reference Material (1051005, TORT-2)**						
	As		21.60	20.55	mg/kg	95% 75-125	
	Se		5.630	5.56	mg/kg	99% 75-125	
B121137-DUP1	**Duplicate (1225015-03)**						
	As	7.028		7.333	mg/kg dry		4% 30
	Se	1.77		2.00	mg/kg dry		13% 30
B121137-MS1	**Matrix Spike (1225015-03)**						
	As	7.028	9.222	17.13	mg/kg dry	110% 70-130	
	Se	1.77	13.83	17.14	mg/kg dry	111% 70-130	
B121137-MSD1	**Matrix Spike Duplicate (1225015-03)**						
	As	7.028	8.748	16.82	mg/kg dry	112% 70-130	2% 30
	Se	1.77	13.12	16.19	mg/kg dry	110% 70-130	6% 30

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Accuracy & Precision Summary

Batch: B121138
Lab Matrix: Biota
Method: EPA 1638

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B121138-SRM1	**Certified Reference Material (1219049, DORM-3)**						
	Cd		0.2900	0.276	mg/kg	95% 75-125	
	Cu		15.50	15.61	mg/kg	101% 75-125	
	Pb		0.3950	0.196	mg/kg	*50%* 75-125	
B121138-SRM2	**Certified Reference Material (1051005, TORT-2)**						
	Cd		26.70	27.09	mg/kg	101% 75-125	
	Cu		106.0	102.9	mg/kg	97% 75-125	
	Pb		0.3500	0.299	mg/kg	86% 75-125	
B121138-DUP1	**Duplicate (1225015-03)**						
	Cd	0.342		0.459	mg/kg dry		29% 30
	Cu	7.64		8.41	mg/kg dry		10% 30
	Pb	0.811		0.764	mg/kg dry		6% 30
	Tl	ND		ND	mg/kg dry		N/C 30
B121138-MS1	**Matrix Spike (1225015-03)**						
	Cd	0.342	1.844	2.284	mg/kg dry	105% 70-130	
	Cu	7.64	14.75	23.26	mg/kg dry	106% 70-130	
	Pb	0.811	3.689	4.616	mg/kg dry	103% 70-130	
	Tl	ND	0.7377	0.764	mg/kg dry	103% 70-130	
B121138-MSD1	**Matrix Spike Duplicate (1225015-03)**						
	Cd	0.342	1.750	2.147	mg/kg dry	103% 70-130	6% 30
	Cu	7.64	14.00	21.30	mg/kg dry	98% 70-130	9% 30
	Pb	0.811	3.499	4.259	mg/kg dry	99% 70-130	8% 30
	Tl	ND	0.6999	0.718	mg/kg dry	102% 70-130	6% 30

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Method Blanks & Reporting Limits

Batch: B121102
Matrix: Water
Method: EPA 1631
Analyte: Hg

Sample	Result	Units
B121102-BLK1	0.12	ng/L
B121102-BLK2	0.09	ng/L
B121102-BLK3	0.08	ng/L
B121102-BLK4	0.07	ng/L

Average: 0.09 **Standard Deviation:** 0.02 **MDL:** 0.15
Limit: 0.50 **Limit:** 0.10 **MRL:** 0.41

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Method Blanks & Reporting Limits

Batch: B121104
Matrix: Biota
Method: EPA 1631 Appendix
Analyte: Hg

Sample	Result	Units
B121104-BLK1	-0.004	ng/g
B121104-BLK2	-0.01	ng/g
B121104-BLK3	-0.04	ng/g
B121104-BLK4	-0.01	ng/g

Average: -0.02 **Standard Deviation:** 0.02 **MDL:** 0.12
Limit: 0.24 **Limit:** 0.08 **MRL:** 0.40

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Method Blanks & Reporting Limits

Batch: B121105
Matrix: Biota
Method: SM 2540G
Analyte: %TS

Sample	Result	Units
B121105-BLK1	0.00	%
B121105-BLK2	0.00	%

Average: 0.00
Limit: 0.48

MDL: 0.14
MRL: 0.48

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Method Blanks & Reporting Limits

Batch: B121107
Matrix: Water
Method: EPA 1630
Analyte: MeHg

Sample	Result	Units
B121107-BLK1	0.009	ng/L
B121107-BLK2	0.009	ng/L
B121107-BLK3	0.009	ng/L
B121107-BLK4	0.002	ng/L

Average: 0.007 **Standard Deviation:** 0.004 **MDL:** 0.019
Limit: 0.045 **Limit:** 0.015 **MRL:** 0.048

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Method Blanks & Reporting Limits

Batch: B121108
Matrix: Water
Method: EPA 1640 RP
Analyte: As 75

Sample	Result	Units
B121108-BLK1	0.01	µg/L
B121108-BLK2	0.01	µg/L
B121108-BLK3	0.007	µg/L
B121108-BLK4	0.01	µg/L

Average: 0.01 **Standard Deviation:** 0.00 **MDL:** 0.03
Limit: 0.10 **Limit:** 0.03 **MRL:** 0.10

Analyte: Se 77

Sample	Result	Units
B121108-BLK1	-0.026	µg/L
B121108-BLK2	-0.026	µg/L
B121108-BLK3	-0.010	µg/L
B121108-BLK4	-0.017	µg/L

Average: -0.020 **Standard Deviation:** 0.008 **MDL:** 0.070
Limit: 0.210 **Limit:** 0.070 **MRL:** 0.210

Analyte: Tl

Sample	Result	Units
B121108-BLK1	-0.00007	µg/L
B121108-BLK2	-0.00008	µg/L
B121108-BLK3	-0.00009	µg/L
B121108-BLK4	-0.0001	µg/L

Average: 0.000 **Standard Deviation:** 0.000 **MDL:** 0.002
Limit: 0.010 **Limit:** 0.002 **MRL:** 0.010

Method Blanks & Reporting Limits

Batch: B121109
Matrix: Water
Method: EPA 1640 Column
Analyte: Cd 114

Sample	Result	Units
B121109-BLK1	0.0006	µg/L
B121109-BLK2	0.0006	µg/L
B121109-BLK3	0.0006	µg/L
B121109-BLK4	0.0006	µg/L

Average: 0.0006 **Standard Deviation:** 0.0000 **MDL:** 0.0010
Limit: 0.0101 **Limit:** 0.0010 **MRL:** 0.0101

Analyte: Cu 65

Sample	Result	Units
B121109-BLK1	0.0025	µg/L
B121109-BLK2	0.0030	µg/L
B121109-BLK3	0.0014	µg/L
B121109-BLK4	0.0019	µg/L

Average: 0.0022 **Standard Deviation:** 0.0007 **MDL:** 0.0020
Limit: 0.0202 **Limit:** 0.0020 **MRL:** 0.0202

Analyte: Pb

Sample	Result	Units
B121109-BLK1	0.0002	µg/L
B121109-BLK2	0.0005	µg/L
B121109-BLK3	0.0005	µg/L
B121109-BLK4	0.0005	µg/L

Average: 0.0004 **Standard Deviation:** 0.0002 **MDL:** 0.0010
Limit: 0.0101 **Limit:** 0.0010 **MRL:** 0.0101

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Method Blanks & Reporting Limits

Batch: B121137
Matrix: Biota
Method: EPA 1638 DRC
Analyte: As 91

Sample	Result	Units
B121137-BLK1	-0.0004	mg/kg
B121137-BLK2	-0.0006	mg/kg
B121137-BLK3	0.0001	mg/kg
B121137-BLK4	0.00008	mg/kg

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

Analyte: Se 78

Sample	Result	Units
B121137-BLK1	-0.007	mg/kg
B121137-BLK2	-0.007	mg/kg
B121137-BLK3	-0.005	mg/kg
B121137-BLK4	0.0003	mg/kg

Average: 0.00 **Standard Deviation:** 0.00 **MDL:** 0.06
Limit: 0.15 **Limit:** 0.06 **MRL:** 0.15

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Method Blanks & Reporting Limits

Batch: B121138
Matrix: Biota
Method: EPA 1638
Analyte: Cd 114

Sample	Result	Units
B121138-BLK1	0.002	mg/kg
B121138-BLK2	0.002	mg/kg
B121138-BLK3	0.002	mg/kg
B121138-BLK4	0.002	mg/kg

Average: 0.002 **Standard Deviation:** 0.000 **MDL:** 0.007
Limit: 0.020 **Limit:** 0.007 **MRL:** 0.020

Analyte: Cu 63

Sample	Result	Units
B121138-BLK1	0.005	mg/kg
B121138-BLK2	0.002	mg/kg
B121138-BLK3	0.003	mg/kg
B121138-BLK4	0.002	mg/kg

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

Analyte: Pb

Sample	Result	Units
B121138-BLK1	-0.0002	mg/kg
B121138-BLK2	-0.0004	mg/kg
B121138-BLK3	-0.0006	mg/kg
B121138-BLK4	-0.0005	mg/kg

Average: 0.000 **Standard Deviation:** 0.000 **MDL:** 0.004
Limit: 0.040 **Limit:** 0.004 **MRL:** 0.040

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Method Blanks & Reporting Limits

Analyte: Tl

Sample	Result	Units
B121138-BLK1	-0.0004	mg/kg
B121138-BLK2	-0.0005	mg/kg
B121138-BLK3	-0.0004	mg/kg
B121138-BLK4	-0.0005	mg/kg

Average: 0.000
Limit: 0.008

Standard Deviation: 0.000
Limit: 0.002

MDL: 0.002
MRL: 0.008

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Instrument Calibration

Sequence: 1200490
Instrument: ICP-MS-2
Date: 06/29/2012
Analyte: As 75

Trace Metals by ICP-MS
Method: EPA 1640 RP

Lab ID	True Value	Result	Units	REC & Limits	
1200490-ICB1		0.00	µg/L		
1200490-CAL1	0.2000	0.20	µg/L	102%	
1200490-CAL2	0.4000	0.39	µg/L	97%	
1200490-CAL3	2.000	1.94	µg/L	97%	
1200490-CAL4	5.000	5.31	µg/L	106%	
1200490-CAL5	10.00	9.98	µg/L	100%	
1200490-CAL6	50.00	48.79	µg/L	98%	
1200490-CAL7	100.0	101.1	µg/L	101%	
1200490-CAL8	200.0	200.3	µg/L	100%	
1200490-ICB2		0.03	µg/L		
1200490-ICV1	5.000	5.27	µg/L	105%	85-115
1200490-ICB3		0.04	µg/L		
1200490-IBL1		0.009	µg/L		
1200490-IBL2		0.03	µg/L		
1200490-IBL3		0.01	µg/L		
1200490-IBL4		0.04	µg/L		
1200490-SCV1	60.45	58.88	µg/L	97%	75-125
1200490-CCV1	5.000	5.29	µg/L	106%	75-125
1200490-CCB1		0.009	µg/L		
1200490-CCV2	5.000	5.23	µg/L	105%	75-125
1200490-CCB2		0.01	µg/L		
1200490-CCV3	5.000	5.21	µg/L	104%	75-125
1200490-CCB3		0.02	µg/L		
1200490-CCV4	5.000	5.17	µg/L	103%	75-125
1200490-CCB4		0.02	µg/L		
1200490-CCV5	5.000	5.14	µg/L	103%	75-125
1200490-CCB5		0.01	µg/L		
1200490-CCV6	5.000	5.21	µg/L	104%	75-125
1200490-CCB6		0.02	µg/L		
1200490-CCV7	10.00	10.17	µg/L	102%	75-125
1200490-CCB7		0.04	µg/L		
1200490-CCV8	10.00	10.10	µg/L	101%	75-125
1200490-CCB8		0.02	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Instrument Calibration

Sequence: 1200490
Instrument: ICP-MS-2
Date: 06/29/2012
Analyte: Se 77

Trace Metals by ICP-MS
Method: EPA 1640 RP

Lab ID	True Value	Result	Units	REC & Limits	
1200490-ICB1		0.000	µg/L		
1200490-CAL1	0.2000	0.201	µg/L	100%	
1200490-CAL2	0.4000	0.398	µg/L	100%	
1200490-CAL3	2.000	1.978	µg/L	99%	
1200490-CAL4	10.00	10.15	µg/L	102%	
1200490-CAL5	20.00	20.75	µg/L	104%	
1200490-CAL6	40.00	39.90	µg/L	100%	
1200490-CAL7	100.0	99.69	µg/L	100%	
1200490-CAL8	200.0	193.1	µg/L	97%	
1200490-ICB2		-0.051	µg/L		
1200490-ICV1	10.00	10.14	µg/L	101%	85-115
1200490-ICB3		-0.100	µg/L		
1200490-IBL1		0.019	µg/L		
1200490-IBL2		-0.041	µg/L		
1200490-IBL3		0.005	µg/L		
1200490-IBL4		-0.075	µg/L		
1200490-SCV1	11.97	12.31	µg/L	103%	75-125
1200490-CCV1	10.00	10.11	µg/L	101%	75-125
1200490-CCB1		0.040	µg/L		
1200490-CCV2	10.00	10.30	µg/L	103%	75-125
1200490-CCB2		-0.015	µg/L		
1200490-CCV3	10.00	11.01	µg/L	110%	75-125
1200490-CCB3		0.023	µg/L		
1200490-CCV4	10.00	9.905	µg/L	99%	75-125
1200490-CCB4		-0.007	µg/L		
1200490-CCV5	10.00	9.911	µg/L	99%	75-125
1200490-CCB5		0.0004	µg/L		
1200490-CCV6	10.00	10.29	µg/L	103%	75-125
1200490-CCB6		-0.070	µg/L		
1200490-CCV7	20.00	20.50	µg/L	102%	75-125
1200490-CCB7		-0.038	µg/L		
1200490-CCV8	20.00	20.38	µg/L	102%	75-125
1200490-CCB8		-0.028	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Instrument Calibration

Sequence: 1200490
Instrument: ICP-MS-2
Date: 06/29/2012
Analyte: Tl

Trace Metals by ICP-MS
Method: EPA 1640 RP

Lab ID	True Value	Result	Units	REC & Limits	
1200490-ICB1		0.000	µg/L		
1200490-CAL1	0.01000	0.010	µg/L	100%	
1200490-CAL2	0.02000	0.020	µg/L	100%	
1200490-CAL3	0.1000	0.103	µg/L	103%	
1200490-CAL4	0.2500	0.256	µg/L	102%	
1200490-CAL5	0.5000	0.507	µg/L	101%	
1200490-CAL6	2.500	2.467	µg/L	99%	
1200490-CAL7	5.000	4.935	µg/L	99%	
1200490-CAL8	10.00	9.634	µg/L	96%	
1200490-ICB2		0.0004	µg/L		
1200490-ICV1	0.2500	0.261	µg/L	104%	85-115
1200490-ICB3		-0.0004	µg/L		
1200490-IBL1		-0.0002	µg/L		
1200490-IBL2		-0.0003	µg/L		
1200490-IBL3		-0.0005	µg/L		
1200490-IBL4		-0.0004	µg/L		
1200490-SCV1	7.445	7.453	µg/L	100%	75-125
1200490-CCV1	0.2500	0.261	µg/L	105%	75-125
1200490-CCB1		-0.0006	µg/L		
1200490-CCV2	0.2500	0.258	µg/L	103%	75-125
1200490-CCB2		-0.0007	µg/L		
1200490-CCV3	0.2500	0.265	µg/L	106%	75-125
1200490-CCB3		-0.0006	µg/L		
1200490-CCV4	0.2500	0.258	µg/L	103%	75-125
1200490-CCB4		-0.0007	µg/L		
1200490-CCV5	0.2500	0.259	µg/L	104%	75-125
1200490-CCB5		-0.0008	µg/L		
1200490-CCV6	0.2500	0.269	µg/L	108%	75-125
1200490-CCB6		-0.0005	µg/L		
1200490-CCV7	0.5000	0.540	µg/L	108%	75-125
1200490-CCB7		-0.0007	µg/L		
1200490-CCV8	0.5000	0.538	µg/L	108%	75-125
1200490-CCB8		-0.0008	µg/L		
1200490-CCV9	0.5000	0.518	µg/L	104%	75-125
1200490-CCB9		-0.0005	µg/L		
1200490-CCVA	0.5000	0.517	µg/L	103%	75-125
1200490-CCBA		-0.0007	µg/L		
1200490-CCVB	0.5000	0.515	µg/L	103%	75-125
1200490-CCBB		-0.0005	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Instrument Calibration

Sequence: 1200502
Instrument: THG-06(MerxT)
Date: 07/04/2012
Analyte: Hg

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

Lab ID	True Value	Result	Units	REC & Limits	
1200502-IBL1		0.005	pg of Hg		
1200502-IBL2		0.005	pg of Hg		
1200502-IBL3		0.004	pg of Hg		
1200502-IBL4		0.004	pg of Hg		
1200502-CAL1	10.00	8.98	pg of Hg	90%	
1200502-CAL2	25.00	24.26	pg of Hg	97%	
1200502-CAL3	100.0	102.4	pg of Hg	102%	
1200502-CAL4	500.0	524.8	pg of Hg	105%	
1200502-CAL5	2500	2592	pg of Hg	104%	
1200502-CAL6	10000	10400	pg of Hg	104%	
1200502-ICV1	1568	1603	pg of Hg	102%	85-115
1200502-CCB1		7.05	pg of Hg		
1200502-CCV1	500.0	532.0	pg of Hg	106%	77-123
1200502-CCB2		4.27	pg of Hg		
1200502-CCB3		4.72	pg of Hg		
1200502-CCB4		5.34	pg of Hg		
1200502-CCV2	500.0	530.3	pg of Hg	106%	77-123
1200502-CCB5		3.52	pg of Hg		
1200502-CCV3	500.0	518.6	pg of Hg	104%	77-123
1200502-CCB6		3.35	pg of Hg		
1200502-CCV4	500.0	519.9	pg of Hg	104%	77-123
1200502-CCB7		4.36	pg of Hg		
1200502-CCV5	500.0	520.9	pg of Hg	104%	77-123
1200502-CCB8		4.01	pg of Hg		
1200502-CCV6	500.0	512.7	pg of Hg	103%	77-123
1200502-CCB9		4.34	pg of Hg		
1200502-CCV7	500.0	500.9	pg of Hg	100%	77-123
1200502-CCBA		4.56	pg of Hg		
1200502-CCV8	500.0	510.3	pg of Hg	102%	77-123
1200502-CCBB		5.02	pg of Hg		
1200502-CCV9	500.0	502.9	pg of Hg	101%	77-123
1200502-CCBC		6.12	pg of Hg		
1200502-CCVA	500.0	499.9	pg of Hg	100%	77-123
1200502-CCBD		4.25	pg of Hg		
1200502-ICB1		-0.26	pg of Hg		
1200502-CCVB	500.0	506.5	pg of Hg	101%	77-123
1200502-CCBE		3.98	pg of Hg		
1200502-ICV2	1568	1581	pg of Hg	101%	85-115
1200502-CCVC	500.0	512.2	pg of Hg	102%	77-123
1200502-CCBF		6.94	pg of Hg		
1200502-CCVD	500.0	536.4	pg of Hg	107%	77-123

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Instrument Calibration

Sequence: 1200502
Instrument: THG-06(MerxT)
Date: 07/04/2012
Analyte: Hg

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

Lab ID	True Value	Result	Units	REC & Limits	
1200502-CCBG		3.35	pg of Hg		
1200502-CCVE	500.0	412.7	pg of Hg	83%	77-123
1200502-CCBH		3.18	pg of Hg		
1200502-CCVF	500.0	547.0	pg of Hg	109%	77-123
1200502-CCBI		3.48	pg of Hg		

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Instrument Calibration

Sequence: 1200507
Instrument: ICP-MS-2
Date: 07/07/2012
Analyte: Cd 114

Trace Metals by ICP-MS
Method: EPA 1640 Column

Lab ID	True Value	Result	Units	REC & Limits	
1200507-ICB1		0.000	ng/L		
1200507-CAL1	10.00	9.988	ng/L	100%	
1200507-CAL2	20.00	20.07	ng/L	100%	
1200507-CAL3	50.00	49.90	ng/L	100%	
1200507-CAL4	100.0	99.99	ng/L	100%	
1200507-CAL5	500.0	496.4	ng/L	99%	
1200507-CAL6	1000	993.7	ng/L	99%	
1200507-CAL7	5000	5066	ng/L	101%	
1200507-ICB2		7.653	ng/L		
1200507-ICV1	50.00	55.04	ng/L	110%	85-115
1200507-ICB3		0.6590	ng/L		
1200507-IBL1		0.5926	ng/L		
1200507-IBL2		0.5773	ng/L		
1200507-IBL3		0.5639	ng/L		
1200507-IBL4		0.6095	ng/L		
1200507-SCV1	21.50	12.76	ng/L	*59%*	75-125
1200507-SCV2	48.00	43.57	ng/L	91%	75-125
1200507-CCV1	100.0	94.02	ng/L	94%	75-125
1200507-CCB1		0.6111	ng/L		
1200507-CCV2	100.0	95.69	ng/L	96%	75-125
1200507-CCB2		0.6020	ng/L		
1200507-CCV3	100.0	94.96	ng/L	95%	75-125
1200507-CCB3		0.5904	ng/L		
1200507-CCV4	100.0	94.09	ng/L	94%	75-125
1200507-CCB4		0.6181	ng/L		
1200507-CCV5	100.0	94.71	ng/L	95%	75-125
1200507-CCB5		0.5902	ng/L		
1200507-CCV6	100.0	96.30	ng/L	96%	75-125
1200507-CCB6		0.5777	ng/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Instrument Calibration

Sequence: 1200507
Instrument: ICP-MS-2
Date: 07/07/2012
Analyte: Cu 65

Trace Metals by ICP-MS
Method: EPA 1640 Column

Lab ID	True Value	Result	Units	REC & Limits	
1200507-ICB1		0.000	ng/L		
1200507-CAL1	10.00	10.21	ng/L	102%	
1200507-CAL2	20.00	19.27	ng/L	96%	
1200507-CAL3	50.00	49.00	ng/L	98%	
1200507-CAL4	100.0	101.3	ng/L	101%	
1200507-CAL5	500.0	493.5	ng/L	99%	
1200507-CAL6	1000	996.6	ng/L	100%	
1200507-CAL7	5000	5194	ng/L	104%	
1200507-ICB2		165.0	ng/L		
1200507-ICV1	500.0	509.1	ng/L	102%	85-115
1200507-ICB3		1.033	ng/L		
1200507-IBL1		0.1376	ng/L		
1200507-IBL2		-0.0782	ng/L		
1200507-IBL3		-0.0076	ng/L		
1200507-IBL4		-0.1587	ng/L		
1200507-SCV1	380.0	344.2	ng/L	91%	75-125
1200507-SCV2	1550	1466	ng/L	95%	75-125
1200507-CCV1	100.0	94.08	ng/L	94%	75-125
1200507-CCB1		0.9072	ng/L		
1200507-CCV2	100.0	91.99	ng/L	92%	75-125
1200507-CCB2		0.5823	ng/L		
1200507-CCV3	100.0	93.06	ng/L	93%	75-125
1200507-CCB3		0.5672	ng/L		
1200507-CCV4	100.0	91.47	ng/L	91%	75-125
1200507-CCB4		0.4626	ng/L		
1200507-CCV5	100.0	93.83	ng/L	94%	75-125
1200507-CCB5		1.458	ng/L		
1200507-CCV6	100.0	90.94	ng/L	91%	75-125
1200507-CCB6		1.315	ng/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Instrument Calibration

Sequence: 1200507
Instrument: ICP-MS-2
Date: 07/07/2012
Analyte: Pb

Trace Metals by ICP-MS
Method: EPA 1640 Column

Lab ID	True Value	Result	Units	REC & Limits	
1200507-ICB1		0.000	ng/L		
1200507-CAL1	10.00	9.993	ng/L	100%	
1200507-CAL2	20.00	20.00	ng/L	100%	
1200507-CAL3	50.00	49.87	ng/L	100%	
1200507-CAL4	100.0	101.7	ng/L	102%	
1200507-CAL5	500.0	491.2	ng/L	98%	
1200507-CAL6	1000	990.2	ng/L	99%	
1200507-CAL7	5000	5067	ng/L	101%	
1200507-ICB2		12.05	ng/L		
1200507-ICV1	250.0	257.1	ng/L	103%	85-115
1200507-ICB3		0.5332	ng/L		
1200507-IBL1		0.2413	ng/L		
1200507-IBL2		0.2086	ng/L		
1200507-IBL3		0.1512	ng/L		
1200507-IBL4		0.2718	ng/L		
1200507-SCV1	11.00	8.896	ng/L	81%	75-125
1200507-CCV1	100.0	94.62	ng/L	95%	75-125
1200507-CCB1		0.4584	ng/L		
1200507-CCV2	100.0	96.70	ng/L	97%	75-125
1200507-CCB2		0.5243	ng/L		
1200507-CCV3	100.0	95.95	ng/L	96%	75-125
1200507-CCB3		0.6588	ng/L		
1200507-CCV4	100.0	95.76	ng/L	96%	75-125
1200507-CCB4		0.6996	ng/L		
1200507-CCV5	100.0	97.67	ng/L	98%	75-125
1200507-CCB5		1.552	ng/L		
1200507-CCV6	100.0	100.6	ng/L	101%	75-125
1200507-CCB6		1.652	ng/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Instrument Calibration

Sequence: 1200522
Instrument: THG-05
Date: 07/11/2012
Analyte: Hg

Total Mercury and Mercury Speciation by CVAFS
Method: EPA 1631

Lab ID	True Value	Result	Units	REC & Limits	
1200522-IBL1		6.06	pg of Hg		
1200522-IBL2		9.52	pg of Hg		
1200522-IBL3		10.09	pg of Hg		
1200522-IBL4		14.71	pg of Hg		
1200522-CAL1	25.00	20.37	pg of Hg	81%	
1200522-CAL2	100.0	104.0	pg of Hg	104%	
1200522-CAL3	500.0	519.1	pg of Hg	104%	
1200522-CAL4	2500	2761	pg of Hg	110%	
1200522-CAL5	10000	10610	pg of Hg	106%	
1200522-ICV1	1568	1717	pg of Hg	109%	85-115
1200522-CCV1	500.0	577.5	pg of Hg	116%	77-123
1200522-CCB1		11.9	pg of Hg		
1200522-CCV2	500.0	513.5	pg of Hg	103%	77-123
1200522-CCV3	500.0	573.7	pg of Hg	115%	77-123
1200522-CCV4	500.0	492.1	pg of Hg	98%	77-123
1200522-CCV5	500.0	481.9	pg of Hg	96%	77-123

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Instrument Calibration

Sequence: 1200545
Instrument: MMHG-09
Date: 07/18/2012
Analyte: MeHg

Total Mercury and Mercury Speciation by CVAFS
Method: EPA 1630

Lab ID	True Value	Result	Units	REC & Limits	
1200545-IBL1		0.067	pg MeHg		
1200545-IBL2		0.087	pg MeHg		
1200545-IBL3		0.091	pg MeHg		
1200545-CAL1	0.5000	0.483	pg MeHg	97%	
1200545-CAL2	1.000	0.968	pg MeHg	97%	
1200545-CAL3	2.000	1.871	pg MeHg	94%	
1200545-CAL4	10.00	9.532	pg MeHg	95%	
1200545-CAL5	50.00	52.16	pg MeHg	104%	
1200545-CAL6	250.0	268.4	pg MeHg	107%	
1200545-CAL7	1000	1084	pg MeHg	108%	
1200545-CCB1		1.01	pg MeHg		
1200545-ICV1	99.99	105.2	pg MeHg	105%	80-120
1200545-CCB2		1.35	pg MeHg		
1200545-CCV1	25.00	23.47	pg MeHg	94%	67-133
1200545-CCB3		0.402	pg MeHg		
1200545-CCB4		0.296	pg MeHg		
1200545-CCB5		0.154	pg MeHg		
1200545-CCV2	25.00	25.12	pg MeHg	100%	67-133
1200545-CCB6		0.126	pg MeHg		
1200545-CCV3	25.00	24.46	pg MeHg	98%	67-133
1200545-CCB7		0.158	pg MeHg		
1200545-CCV4	25.00	22.54	pg MeHg	90%	67-133
1200545-CCB8		0.170	pg MeHg		
1200545-CCV5	25.00	21.38	pg MeHg	86%	67-133
1200545-CCB9		0.122	pg MeHg		
1200545-CCV6	25.00	22.29	pg MeHg	89%	67-133
1200545-CCBA		0.205	pg MeHg		
1200545-CCV7	25.00	21.52	pg MeHg	86%	67-133
1200545-CCBB		0.142	pg MeHg		
1200545-CCV8	25.00	22.10	pg MeHg	88%	67-133
1200545-CCBC		0.197	pg MeHg		
1200545-CCV9	25.00	25.43	pg MeHg	102%	67-133
1200545-CCBD		0.221	pg MeHg		
1200545-CCVA	25.00	21.73	pg MeHg	87%	67-133
1200545-CCBE		0.146	pg MeHg		
1200545-CCVB	25.00	22.73	pg MeHg	91%	67-133
1200545-CCBF		0.178	pg MeHg		

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Instrument Calibration

Sequence: 1200550
Instrument: ICP-MS-2
Date: 07/19/2012
Analyte: As 91

Trace Metals by ICP-DRC-MS
Method: EPA 1638 DRC

Lab ID	True Value	Result	Units	REC & Limits	
1200550-ICB1		0.000	µg/L		
1200550-CAL1	0.02500	0.025	µg/L	98%	
1200550-CAL2	0.05000	0.052	µg/L	104%	
1200550-CAL3	0.2500	0.246	µg/L	98%	
1200550-CAL4	1.000	0.994	µg/L	99%	
1200550-CAL5	5.000	4.975	µg/L	100%	
1200550-CAL6	25.00	25.11	µg/L	100%	
1200550-CAL7	125.0	126.3	µg/L	101%	
1200550-CAL8	500.0	495.1	µg/L	99%	
1200550-ICB2		0.045	µg/L		
1200550-ICV1	5.000	5.406	µg/L	108%	85-115
1200550-ICB3		0.007	µg/L		
1200550-IBL1		0.005	µg/L		
1200550-IBL2		0.003	µg/L		
1200550-IBL3		0.002	µg/L		
1200550-IBL4		0.002	µg/L		
1200550-SCV1	60.45	62.17	µg/L	103%	75-125
1200550-CCV1	1.000	1.229	µg/L	123%	75-125
1200550-CCB1		0.001	µg/L		
1200550-CCV2	1.000	0.992	µg/L	99%	75-125
1200550-CCB2		0.0006	µg/L		
1200550-CCV3	1.000	1.030	µg/L	103%	75-125
1200550-CCB3		0.001	µg/L		
1200550-CCV4	1.000	1.016	µg/L	102%	75-125
1200550-CCB4		0.0002	µg/L		
1200550-CCV5	1.000	0.997	µg/L	100%	75-125
1200550-CCB5		-0.0004	µg/L		
1200550-CCV6	1.000	1.016	µg/L	102%	75-125
1200550-CCB6		-0.0007	µg/L		
1200550-CCV7	1.000	1.003	µg/L	100%	75-125
1200550-CCB7		-0.0004	µg/L		
1200550-CCV8	5.000	4.959	µg/L	99%	75-125
1200550-CCB8		0.004	µg/L		
1200550-CCV9	5.000	5.256	µg/L	105%	75-125
1200550-CCB9		0.041	µg/L		
1200550-CCVA	5.000	5.266	µg/L	105%	75-125
1200550-CCBA		0.0005	µg/L		
1200550-CCVB	5.000	5.282	µg/L	106%	75-125
1200550-CCBB		0.004	µg/L		
1200550-CCVC	5.000	5.419	µg/L	108%	75-125
1200550-CCBC		0.009	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Instrument Calibration

Sequence: 1200550
Instrument: ICP-MS-2
Date: 07/19/2012
Analyte: As 91

Trace Metals by ICP-DRC-MS
Method: EPA 1638 DRC

Lab ID	True Value	Result	Units	REC & Limits	
1200550-CCVD	5.000	5.280	µg/L	106%	75-125
1200550-CCBD		0.002	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Instrument Calibration

Sequence: 1200550
Instrument: ICP-MS-2
Date: 07/19/2012
Analyte: Se 78

Trace Metals by ICP-DRC-MS
Method: EPA 1638 DRC

Lab ID	True Value	Result	Units	REC & Limits	
1200550-ICB1		0.00	µg/L		
1200550-CAL1	0.05000	0.05	µg/L	103%	
1200550-CAL2	0.1000	0.10	µg/L	95%	
1200550-CAL3	0.2500	0.24	µg/L	96%	
1200550-CAL4	1.000	1.02	µg/L	102%	
1200550-CAL5	5.000	5.03	µg/L	101%	
1200550-CAL6	25.00	25.09	µg/L	100%	
1200550-CAL7	125.0	127.2	µg/L	102%	
1200550-CAL8	500.0	504.1	µg/L	101%	
1200550-ICB2		0.08	µg/L		
1200550-ICV1	10.00	10.49	µg/L	105%	85-115
1200550-ICB3		0.01	µg/L		
1200550-IBL1		0.01	µg/L		
1200550-IBL2		0.007	µg/L		
1200550-IBL3		0.0002	µg/L		
1200550-IBL4		0.004	µg/L		
1200550-SCV1	11.97	12.97	µg/L	108%	75-125
1200550-CCV1	1.000	1.17	µg/L	117%	75-125
1200550-CCB1		0.002	µg/L		
1200550-CCV2	1.000	1.00	µg/L	100%	75-125
1200550-CCB2		-0.004	µg/L		
1200550-CCV3	1.000	1.04	µg/L	104%	75-125
1200550-CCB3		-0.005	µg/L		
1200550-CCV4	1.000	1.05	µg/L	105%	75-125
1200550-CCB4		-0.005	µg/L		
1200550-CCV5	1.000	1.00	µg/L	100%	75-125
1200550-CCB5		-0.004	µg/L		
1200550-CCV6	1.000	1.02	µg/L	102%	75-125
1200550-CCB6		-0.006	µg/L		
1200550-CCV7	1.000	1.04	µg/L	104%	75-125
1200550-CCB7		-0.009	µg/L		
1200550-CCV8	5.000	4.93	µg/L	99%	75-125
1200550-CCB8		0.005	µg/L		
1200550-CCV9	5.000	5.30	µg/L	106%	75-125
1200550-CCB9		0.005	µg/L		
1200550-CCVA	5.000	5.42	µg/L	108%	75-125
1200550-CCBA		0.007	µg/L		
1200550-CCVB	5.000	5.44	µg/L	109%	75-125
1200550-CCBB		-0.003	µg/L		
1200550-CCVC	5.000	5.48	µg/L	110%	75-125
1200550-CCBC		-0.002	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Instrument Calibration

Sequence: 1200550
Instrument: ICP-MS-2
Date: 07/19/2012
Analyte: Se 78

Trace Metals by ICP-DRC-MS
Method: EPA 1638 DRC

Lab ID	True Value	Result	Units	REC & Limits	
1200550-CCVD	5.000	5.29	µg/L	106%	75-125
1200550-CCBD		-0.003	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Instrument Calibration

Sequence: 1200553
Instrument: ICP-MS-2
Date: 07/20/2012
Analyte: Cd 114

Trace Metals by ICP-MS
Method: EPA 1638

Lab ID	True Value	Result	Units	REC & Limits	
1200553-ICB1		0.000	µg/L		
1200553-CAL1	0.01000	0.010	µg/L	98%	
1200553-CAL2	0.02000	0.021	µg/L	104%	
1200553-CAL3	0.1000	0.103	µg/L	103%	
1200553-CAL4	0.5000	0.499	µg/L	100%	
1200553-CAL5	1.000	0.997	µg/L	100%	
1200553-CAL6	5.000	5.016	µg/L	100%	
1200553-CAL7	10.00	9.869	µg/L	99%	
1200553-CAL8	20.00	19.33	µg/L	97%	
1200553-ICB2		0.023	µg/L		
1200553-ICV1	0.5000	0.502	µg/L	100%	85-115
1200553-ICB3		0.003	µg/L		
1200553-SCV1	6.568	6.770	µg/L	103%	75-125
1200553-IBL1		0.003	µg/L		
1200553-IBL2		0.003	µg/L		
1200553-IBL3		0.002	µg/L		
1200553-IBL4		0.002	µg/L		
1200553-CCV1	0.5000	0.508	µg/L	102%	75-125
1200553-CCB1		0.003	µg/L		
1200553-CCV2	0.5000	0.506	µg/L	101%	75-125
1200553-CCB2		0.003	µg/L		
1200553-CCV3	0.5000	0.498	µg/L	100%	75-125
1200553-CCB3		0.002	µg/L		
1200553-CCV4	0.5000	0.517	µg/L	103%	75-125
1200553-CCB4		0.003	µg/L		
1200553-CCV5	0.5000	0.516	µg/L	103%	75-125
1200553-CCB5		0.002	µg/L		
1200553-CCV6	0.5000	0.525	µg/L	105%	75-125
1200553-CCB6		0.003	µg/L		
1200553-CCV7	1.000	1.021	µg/L	102%	75-125
1200553-CCB7		0.002	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Instrument Calibration

Sequence: 1200553
Instrument: ICP-MS-2
Date: 07/20/2012
Analyte: Cu 63

Trace Metals by ICP-MS
Method: EPA 1638

Lab ID	True Value	Result	Units	REC & Limits	
1200553-ICB1		0.00	µg/L		
1200553-CAL1	0.1000	0.10	µg/L	99%	
1200553-CAL2	0.2000	0.20	µg/L	101%	
1200553-CAL3	1.000	1.03	µg/L	103%	
1200553-CAL4	5.000	5.08	µg/L	102%	
1200553-CAL5	10.00	10.16	µg/L	102%	
1200553-CAL6	50.00	50.20	µg/L	100%	
1200553-CAL7	100.0	97.03	µg/L	97%	
1200553-CAL8	200.0	191.6	µg/L	96%	
1200553-ICB2		0.27	µg/L		
1200553-ICV1	5.000	5.10	µg/L	102%	85-115
1200553-ICB3		0.00001	µg/L		
1200553-SCV1	22.76	23.10	µg/L	101%	75-125
1200553-IBL1		0.0002	µg/L		
1200553-IBL2		-0.0006	µg/L		
1200553-IBL3		0.0008	µg/L		
1200553-IBL4		0.0009	µg/L		
1200553-CCV1	5.000	5.06	µg/L	101%	75-125
1200553-CCB1		0.002	µg/L		
1200553-CCV2	5.000	4.97	µg/L	99%	75-125
1200553-CCB2		0.002	µg/L		
1200553-CCV3	5.000	5.08	µg/L	102%	75-125
1200553-CCB3		0.001	µg/L		
1200553-CCV4	5.000	5.11	µg/L	102%	75-125
1200553-CCB4		0.0006	µg/L		
1200553-CCV5	5.000	4.99	µg/L	100%	75-125
1200553-CCB5		0.002	µg/L		
1200553-CCV6	5.000	5.06	µg/L	101%	75-125
1200553-CCB6		0.004	µg/L		
1200553-CCV7	10.00	10.16	µg/L	102%	75-125
1200553-CCB7		0.003	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Instrument Calibration

Sequence: 1200553
Instrument: ICP-MS-2
Date: 07/20/2012
Analyte: Pb

Trace Metals by ICP-MS
Method: EPA 1638

Lab ID	True Value	Result	Units	REC & Limits	
1200553-ICB1		0.000	µg/L		
1200553-CAL1	0.02500	0.025	µg/L	98%	
1200553-CAL2	0.05000	0.051	µg/L	103%	
1200553-CAL3	0.2500	0.262	µg/L	105%	
1200553-CAL4	2.500	2.578	µg/L	103%	
1200553-CAL5	5.000	5.180	µg/L	104%	
1200553-CAL6	10.00	9.972	µg/L	100%	
1200553-CAL7	25.00	23.97	µg/L	96%	
1200553-CAL8	50.00	46.06	µg/L	92%	
1200553-ICB2		0.055	µg/L		
1200553-ICV1	2.500	2.625	µg/L	105%	85-115
1200553-ICB3		-0.0008	µg/L		
1200553-SCV1	19.63	20.16	µg/L	103%	75-125
1200553-IBL1		-0.0004	µg/L		
1200553-IBL2		-0.0004	µg/L		
1200553-IBL3		-0.001	µg/L		
1200553-IBL4		-0.0006	µg/L		
1200553-CCV1	2.500	2.536	µg/L	101%	75-125
1200553-CCB1		-0.0005	µg/L		
1200553-CCV2	2.500	2.527	µg/L	101%	75-125
1200553-CCB2		-0.0005	µg/L		
1200553-CCV3	2.500	2.530	µg/L	101%	75-125
1200553-CCB3		-0.0004	µg/L		
1200553-CCV4	2.500	2.521	µg/L	101%	75-125
1200553-CCB4		-0.0006	µg/L		
1200553-CCV5	2.500	2.559	µg/L	102%	75-125
1200553-CCB5		-0.0005	µg/L		
1200553-CCV6	2.500	2.495	µg/L	100%	75-125
1200553-CCB6		-0.00002	µg/L		
1200553-CCV7	5.000	4.992	µg/L	100%	75-125
1200553-CCB7		-0.0006	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Instrument Calibration

Sequence: 1200553
Instrument: ICP-MS-2
Date: 07/20/2012
Analyte: Tl

Trace Metals by ICP-MS
Method: EPA 1638

Lab ID	True Value	Result	Units	REC & Limits	
1200553-ICB1		0.000	µg/L		
1200553-CAL1	0.01000	0.009	µg/L	95%	
1200553-CAL2	0.02000	0.022	µg/L	110%	
1200553-CAL3	0.1000	0.101	µg/L	101%	
1200553-CAL4	0.2500	0.256	µg/L	102%	
1200553-CAL5	0.5000	0.514	µg/L	103%	
1200553-CAL6	2.500	2.479	µg/L	99%	
1200553-CAL7	5.000	4.825	µg/L	97%	
1200553-CAL8	10.00	9.311	µg/L	93%	
1200553-ICB2		0.015	µg/L		
1200553-ICV1	0.2500	0.260	µg/L	104%	85-115
1200553-ICB3		-0.0005	µg/L		
1200553-SCV1	7.445	7.629	µg/L	102%	75-125
1200553-IBL1		-0.0007	µg/L		
1200553-IBL2		-0.0006	µg/L		
1200553-IBL3		-0.0006	µg/L		
1200553-IBL4		-0.0005	µg/L		
1200553-CCV1	0.2500	0.253	µg/L	101%	75-125
1200553-CCB1		-0.0004	µg/L		
1200553-CCV2	0.2500	0.250	µg/L	100%	75-125
1200553-CCB2		-0.0005	µg/L		
1200553-CCV3	0.2500	0.255	µg/L	102%	75-125
1200553-CCB3		-0.0004	µg/L		
1200553-CCV4	0.2500	0.252	µg/L	101%	75-125
1200553-CCB4		-0.0004	µg/L		
1200553-CCV5	0.2500	0.251	µg/L	100%	75-125
1200553-CCB5		-0.0006	µg/L		
1200553-CCV6	0.2500	0.253	µg/L	101%	75-125
1200553-CCB6		-0.0004	µg/L		
1200553-CCV7	0.5000	0.489	µg/L	98%	75-125
1200553-CCB7		-0.0004	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Sample Containers

Lab ID: 1225015-01
Sample: GSL 4069 0.2m
Report Matrix: Great Salt Lake
Sample Type: Sample
Collected: 06/13/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	7165989020	0.5% HCl (BRL)	1218062	<2	Cooler 2
B	Bottle FLPE Hg-SP	250 mL	7165989020	1 mL 9N H2SO4 (PP)	1217026	<2	Cooler 2
C	Bottle HDPE ICP-ChelC	125 mL	12-154	1.0% HNO3 (BRL)	1220057	<2	Cooler 2
D	Bottle HDPE ICP-RP	1 L	12-112	0.2% HNO3 (BRL)	1220057	<2	Cooler 2

Lab ID: 1225015-02
Sample: GSL 4069 0.5m
Report Matrix: Great Salt Lake
Sample Type: Sample
Collected: 06/13/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	7165989020	0.5% HCl (BRL)	1218062	<2	Cooler 2
B	Bottle FLPE Hg-SP	250 mL	7165989020	1 mL 9N H2SO4 (PP)	1217026	<2	Cooler 2
C	Bottle HDPE ICP-ChelC	125 mL	12-154	1.0% HNO3 (BRL)	1220057	<2	Cooler 2
D	Bottle HDPE ICP-RP	1 L	12-112	0.2% HNO3 (BRL)	1220057	<2	Cooler 2

Lab ID: 1225015-03
Sample: GSL @ Farm Bay Out (Brine Shrimp)
Report Matrix: Brine Shrimp
Sample Type: Sample
Collected: 06/12/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Client-Provided	500 mL	Client Provided	none	n/a		Cooler 5

Lab ID: 1225015-04
Sample: GSL 2267 (Brine Shrimp)
Report Matrix: Brine Shrimp
Sample Type: Sample
Collected: 06/11/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Client-Provided	500 mL	Client Provided	none	n/a		Cooler 1

Lab ID: 1225015-05
Sample: GSL 3510 (Brine Shrimp)
Report Matrix: Brine Shrimp
Sample Type: Sample
Collected: 06/12/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Client-Provided	500 mL	Client Provided	none	n/a		Cooler 1

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Sample Containers

Lab ID: 1225015-06
Sample: N1018 (Brine Shrimp)
Report Matrix: Brine Shrimp
Sample Type: Sample
Collected: 06/11/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Client-Provided	500 mL	Client Provided	none	n/a		Cooler 5

Lab ID: 1225015-07
Sample: GSL 4069 (Brine Shrimp)
Report Matrix: Brine Shrimp
Sample Type: Sample
Collected: 06/13/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Client-Provided	500 mL	Client Provided	none	n/a		Cooler 1

Lab ID: 1225015-08
Sample: GSL 4069 (Brine Shrimp rep)
Report Matrix: Brine Shrimp
Sample Type: Field Duplicate
Collected: 06/13/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Client-Provided	500 mL	Client Provided	none	n/a		Cooler 1

Lab ID: 1225015-09
Sample: GSL 2565 (Brine Shrimp)
Report Matrix: Brine Shrimp
Sample Type: Sample
Collected: 06/11/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Client-Provided	500 mL	Client Provided	none	n/a		Cooler 1

Lab ID: 1225015-10
Sample: GSL 2820 (Brine Shrimp)
Report Matrix: Brine Shrimp
Sample Type: Sample
Collected: 06/12/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Client-Provided	500 mL	Client Provided	none	n/a		Cooler 1

Lab ID: 1225015-11
Sample: GSL 2767 0.2m
Report Matrix: Great Salt Lake
Sample Type: Sample
Collected: 06/12/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	7165989020	0.5% HCl (BRL)	1218062	<2	Cooler 3
B	Bottle FLPE Hg-SP	250 mL	7165989020	1 mL 9N H2SO4 (PP)	1217026	<2	Cooler 3
C	Bottle HDPE ICP-ChelC	125 mL	12-154	1.0% HNO3 (BRL)	1220057	<2	Cooler 3
D	Bottle HDPE ICP-RP	1 L	12-112	0.2% HNO3 (BRL)	1220057	<2	Cooler 3

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Sample Containers

Lab ID: 1225015-12
Sample: GSL 2767 0.5m
Report Matrix: Great Salt Lake
Sample Type: Sample
Collected: 06/12/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	7165989020	0.5% HCl (BRL)	1218062	<2	Cooler 3
B	Bottle FLPE Hg-SP	250 mL	7165989020	SO4 (PP) + 1mL 9N H2	217026/ 122306	<2	Cooler 3
C	Bottle HDPE ICP-ChelC	125 mL	12-154	1.0% HNO3 (BRL)	1220057	<2	Cooler 3
D	Bottle HDPE ICP-RP	1 L	12-112	0.2% HNO3 (BRL)	1220057	<2	Cooler 3

Lab ID: 1225015-13
Sample: GSL 2767 (Field Blank)
Report Matrix: DIW
Sample Type: Field Blank
Collected: 06/12/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	7165989020	0.5% HCl (BRL)	1218062	<2	Cooler 3
B	Bottle FLPE Hg-SP	250 mL	7165989020	1 mL 9N H2SO4 (PP)	1217026	<2	Cooler 3
C	Bottle HDPE ICP-ChelC	125 mL	12-154	1.0% HNO3 (BRL)	1220057	<2	Cooler 3
D	Bottle HDPE ICP-RP	1 L	12-112	0.2% HNO3 (BRL)	1220057	<2	Cooler 3

Lab ID: 1225015-14
Sample: GSL 2767 .2 (Rep)
Report Matrix: Great Salt Lake
Sample Type: Field Duplicate
Collected: 06/12/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	7165989020	0.5% HCl (BRL)	1218062	<2	Cooler 3
B	Bottle FLPE Hg-SP	250 mL	7165989020	1 mL 9N H2SO4 (PP)	1217026	<2	Cooler 3
C	Bottle HDPE ICP-ChelC	125 mL	12-154	1.0% HNO3 (BRL)	1220057	<2	Cooler 3
D	Bottle HDPE ICP-RP	1 L	12-112	0.2% HNO3 (BRL)	1220057	<2	Cooler 3

Lab ID: 1225015-15
Sample: GSL 2767 Brine Shrimp
Report Matrix: Brine Shrimp
Sample Type: Sample
Collected: 06/12/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Client-Provided	500 mL	Client Provided	none	n/a		Cooler 3

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Sample Containers

Lab ID: 1225015-16
Sample: GSL 2820 0.2m
Report Matrix: Great Salt Lake
Sample Type: Sample
Collected: 06/12/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	7165989020	0.5% HCl (BRL)	1218062	<2	Cooler 5
B	Bottle FLPE Hg-SP	250 mL	7165989020	1 mL 9N H2SO4 (PP)	1217026	<2	Cooler 5
C	Bottle HDPE ICP-ChelC	125 mL	12-154	1.0% HNO3 (BRL)	1220057	<2	Cooler 5
D	Bottle HDPE ICP-RP	1 L	12-112	0.2% HNO3 (BRL)	1220057	<2	Cooler 5

Lab ID: 1225015-17
Sample: GSL 2820 0.5m
Report Matrix: Great Salt Lake
Sample Type: Sample
Collected: 06/12/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	7165989020	0.5% HCl (BRL)	1218062	<2	Cooler 5
B	Bottle FLPE Hg-SP	250 mL	7165989020	1 mL 9N H2SO4 (PP)	1217026	<2	Cooler 5
C	Bottle HDPE ICP-ChelC	125 mL	12-154	1.0% HNO3 (BRL)	1220057	<2	Cooler 5
D	Bottle HDPE ICP-RP	1 L	12-112	0.2% HNO3 (BRL)	1220057	<2	Cooler 5

Lab ID: 1225015-18
Sample: GSL 2267 0.2m
Report Matrix: Great Salt Lake
Sample Type: Sample
Collected: 06/11/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	7165989020	0.5% HCl (BRL)	1218062	<2	Cooler 5
B	Bottle FLPE Hg-SP	250 mL	7165989020	1 mL 9N H2SO4 (PP)	1217026	<2	Cooler 5
C	Bottle HDPE ICP-ChelC	125 mL	12-154	1.0% HNO3 (BRL)	1220057	<2	Cooler 5
D	Bottle HDPE ICP-RP	1 L	12-112	0.2% HNO3 (BRL)	1220057	<2	Cooler 5

Lab ID: 1225015-19
Sample: GSL 2267 0.5m
Report Matrix: Great Salt Lake
Sample Type: Sample
Collected: 06/11/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	7165989020	0.5% HCl (BRL)	1218062	<2	Cooler 5
B	Bottle FLPE Hg-SP	250 mL	7165989020	1 mL 9N H2SO4 (PP)	1217026	<2	Cooler 5
C	Bottle HDPE ICP-ChelC	125 mL	12-154	1.0% HNO3 (BRL)	1220057	<2	Cooler 5
D	Bottle HDPE ICP-RP	1 L	12-112	0.2% HNO3 (BRL)	1220057	<2	Cooler 5

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Sample Containers

Lab ID: 1225015-20
Sample: GSL 2565 0.2m
Report Matrix: Great Salt Lake
Sample Type: Sample
Collected: 06/11/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	0.5% HCl (BRL)	1218062	<2	Cooler 4
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1217026	<2	Cooler 4
C	Bottle HDPE ICP-ChelC	125 mL	12-154	1.0% HNO3 (BRL)	1220057	<2	Cooler 4
D	Bottle HDPE ICP-RP	1 L	12-112	0.2% HNO3 (BRL)	1220057	<2	Cooler 4

Lab ID: 1225015-21
Sample: GSL 2565 0.5m
Report Matrix: Great Salt Lake
Sample Type: Sample
Collected: 06/11/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	0.5% HCl (BRL)	1218062	<2	Cooler 4
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1217026	<2	Cooler 4
C	Bottle HDPE ICP-ChelC	125 mL	12-154	1.0% HNO3 (BRL)	1220057	<2	Cooler 4
D	Bottle HDPE ICP-RP	1 L	12-112	0.2% HNO3 (BRL)	1220057	<2	Cooler 4

Lab ID: 1225015-22
Sample: GSL @ Farm Bay Outlet 0.2m
Report Matrix: Great Salt Lake
Sample Type: Sample
Collected: 06/12/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	0.5% HCl (BRL)	1218062	<2	Cooler 4
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1217026	<2	Cooler 4
C	Bottle HDPE ICP-ChelC	125 mL	12-154	1.0% HNO3 (BRL)	1220057	<2	Cooler 4
D	Bottle HDPE ICP-RP	1 L	12-112	0.2% HNO3 (BRL)	1220057	<2	Cooler 4

Lab ID: 1225015-23
Sample: GSL @ Farm Bay Outlet 0.5m
Report Matrix: Great Salt Lake
Sample Type: Sample
Collected: 06/12/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	0.5% HCl (BRL)	1218062	<2	Cooler 4
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1217026	<2	Cooler 4
C	Bottle HDPE ICP-ChelC	125 mL	12-154	1.0% HNO3 (BRL)	1220057	<2	Cooler 4
D	Bottle HDPE ICP-RP	1 L	12-112	0.2% HNO3 (BRL)	1220057	<2	Cooler 4

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Sample Containers

Lab ID: 1225015-24
Sample: N1018 0.2m
Report Matrix: Water
Sample Type: Sample
Collected: 06/11/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	7165989020	0.5% HCl (BRL)	1218062	<2	Cooler 2
B	Bottle FLPE Hg-SP	250 mL	7165989020	1 mL 9N H2SO4 (PP)	1217026	<2	Cooler 2
C	Bottle HDPE ICP-ChelC	125 mL	12-154	1.0% HNO3 (BRL)	1220057	<2	Cooler 2
D	Bottle HDPE ICP-RP	1 L	12-112	0.2% HNO3 (BRL)	1220057	<2	Cooler 2

Lab ID: 1225015-25
Sample: N1018 0.5m
Report Matrix: Water
Sample Type: Sample
Collected: 06/11/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	7165989020	0.5% HCl (BRL)	1218062	<2	Cooler 2
B	Bottle FLPE Hg-SP	250 mL	7165989020	1 mL 9N H2SO4 (PP)	1217026	<2	Cooler 2
C	Bottle HDPE ICP-ChelC	125 mL	12-154	1.0% HNO3 (BRL)	1220057	<2	Cooler 2
D	Bottle HDPE ICP-RP	1 L	12-112	0.2% HNO3 (BRL)	1220057	<2	Cooler 2

Lab ID: 1225015-26
Sample: GSL 3510 0.2m
Report Matrix: Great Salt Lake
Sample Type: Sample
Collected: 06/13/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	7165989020	0.5% HCl (BRL)	1218062	<2	Cooler 2
B	Bottle FLPE Hg-SP	250 mL	7165989020	1 mL 9N H2SO4 (PP)	1217026	<2	Cooler 2
C	Bottle HDPE ICP-ChelC	125 mL	12-154	1.0% HNO3 (BRL)	1220057	<2	Cooler 2
D	Bottle HDPE ICP-RP	1 L	12-112	0.2% HNO3 (BRL)	1220057	<2	Cooler 2

Lab ID: 1225015-27
Sample: GSL 3510 0.5m
Report Matrix: Great Salt Lake
Sample Type: Sample
Collected: 06/13/2012
Received: 06/19/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	7165989020	0.5% HCl (BRL)	1218062	<2	Cooler 2
B	Bottle FLPE Hg-SP	250 mL	7165989020	1 mL 9N H2SO4 (PP)	1217026	<2	Cooler 2
C	Bottle HDPE ICP-ChelC	125 mL	12-154	1.0% HNO3 (BRL)	1220057	<2	Cooler 2
D	Bottle HDPE ICP-RP	1 L	12-112	0.2% HNO3 (BRL)	1220057	<2	Cooler 2

Project ID: UDE-SL1201
PM: Tiffany Stilwater

Client PM: Jodi Gardberg

Shipping Containers

Cooler 1

Received: June 19, 2012 9:00
Tracking No: 8003 6800 3679 via FedEx
Coolant Type: Ice
Temperature: 3.4 °C

Description: Cooler 1
Damaged in transit? No
Returned to client? No

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

Cooler 2

Received: June 19, 2012 9:00
Tracking No: 8003 6800 3690 via FedEx
Coolant Type: Ice
Temperature: 2.7 °C

Description: Cooler 2
Damaged in transit? No
Returned to client? No

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

Cooler 3

Received: June 19, 2012 9:00
Tracking No: 8003 6800 3716 via FedEx
Coolant Type: Ice
Temperature: 1.4 °C

Description: Cooler 3
Damaged in transit? No
Returned to client? No

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

Cooler 4

Received: June 19, 2012 9:00
Tracking No: 8003 6800 3705 via FedEx
Coolant Type: Ice
Temperature: 1.5 °C

Description: Cooler 4
Damaged in transit? No
Returned to client? No

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

Cooler 5

Received: June 19, 2012 9:00
Tracking No: 8003 6800 3680 via FedEx
Coolant Type: Ice
Temperature: 1.5 °C

Description: Cooler 5
Damaged in transit? No
Returned to client? No

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

BROOKS RAND LABS
MEANINGFUL METALS DATA
3958 6th Avenue NW
Seattle, WA 98107
Phone: 206-632-6206
Fax: 206-632-6017
samples@brooksrand.com
www.brooksrand.com

Chain of Custody Record

1225015

White: LAB COPY
Yellow: CUSTOMER COPY

Client: USGS-UT Water Science Center	Address: 2329 W. Orton Circle Salt Lake City, UT 84119	COC receipt confirmation? (Y) / N
Contact: Ryan Rowland		If so, by: email / fax (circle one)
Client project ID: Great Salt Lake Water quality Sampling plan	Phone #:	Email: rrowland@usgs.gov
PO #:		Fax #:

Requested TAT in business days:
- ☑ 20 (standard)
- ☐ 15
- ☐ 10
- ☐ 5
- ☐ Other ____

Surcharges apply for expedited turn around times.

	Sample ID	Collection: Date	Collection: Time	Miscellaneous: Sampler (initials)	Miscellaneous: Matrix type	Miscellaneous: # of containers	Miscellaneous: Field filtered? (Y/N)	Field Preservation: Unpreserved / ice only	Field Preservation: HCl / HNO_3 (circle one)	Field Preservation: Other (specify)	Analyses required: Total Hg, EPA 1631	Analyses required: Methyl Hg, EPA 1630	Analyses required: ICP-MS Metals (specify)	Analyses required: As / Se species (specify)	Analyses required: % Solids	Analyses required: Filtration	Analyses required: Other (specify)	Analyses required: Other (specify)	Comments
1	GSL 4069 0.2m/0.5m	6/13	09:30 10:00	RCR	H_2O	6	N			✓	✓	✓	✓						Me-Hg preserved with H_2SO_4
2	GSL@ Farm Bayou (B Shrimp)	6/12	16:30	RCR	H_2O	1	N	✓										✓	Se, Hg, other trace metals - See project plan
3	GSL 2267 (Brine Shrimp)	6/11	11:00	RCR	H_2O	1	N	✓										✓	Se, Hg + other trace metals - See project plan
4	GSL 3510 (Brine Shrimp)	6/12	12:00	RCR	H_2O	1	N	✓										✓	
5	Nic18 (Brine Shrimp)	6/11	16:00	RCR	H_2O	1	N	✓										✓	
6	GSL 4069 (Brine shrimp)	6/13	9:30	RCR	H_2O	1	N	✓										✓	
7	GSL 4069 (Brine Shrimp rep)	6/13	9:35	RCR	H_2O	1	N	✓										✓	
8	GSL 2565 (Brine Shrimp)	6/11	14:00	RCR	H_2O	1	N	✓										✓	
9	GSL 2820 (Brine Shrimp)	6/12	11:20	RCR	H_2O	1	N	✓										✓	
10																			

Relinquished by: RCR	Date: 6.18.2012	Time: 1600	Relinquished by:
Received by:	Date:	Time:	Received at BRL by: Erin Wirt
Shipping carrier:	# of coolers: 5		BRL work order ID:

Date:	Time:	
Date: 6/19/12	Time: 0900	
BRL project ID:		

BROOKS RAND LABS
MEANINGFUL METALS DATA
3958 6th Avenue NW
Seattle, WA 98107
Phone: 206-632-6206
Fax: 206-632-6017
samples@brooksrand.com
www.brooksrand.com

Chain of Custody Record

1225015

BRL Report 1225015

White: LAB COPY
Yellow: CUSTOMER COPY

Client: USGS-UT Water Science Ctr	Address: 2329 W. Orton Circle Salt Lake City, UT 84119	COC receipt confirmation? Y / N
Contact: Ryan Rowland		If so, by: email / fax (circle one)
Client project ID: Great Salt Lake Water Quality Sampling Plan		Email: rrowland@usgs.gov
PO #:	Phone #:	Fax #:

Requested TAT in business days:
- [x] 20 (standard)
- [ ] 15
- [ ] 10
- [ ] 5
- [ ] Other ____

Surcharges apply for expedited turn around times.

	Sample ID	Collection: Date	Collection: Time	Miscellaneous: Sampler (initials)	Miscellaneous: Matrix type	Miscellaneous: # of containers	Miscellaneous: Field filtered? (Y/N)	Field Preservation: Unpreserved / ice only	Field Preservation: HCl / HNO_3 (circle one)	Field Preservation: Other (specify)	Analyses required: Total Hg, EPA 1631	Analyses required: Methyl Hg, EPA 1630	Analyses required: ICP-MS Metals (specify)	Analyses required: As / Se species (specify)	Analyses required: % Solids	Analyses required: Filtration	Analyses required: Other (specify)	Analyses required: Other (specify)	Comments
1	GSL 2767 0.2m/0.5m	6/12	14:00 15:00	RCR	H_2O	6	N			✓	✓	✓	✓						Me-Hg preserved w/ H_2SO_4 All chilled.
2	GSL 2767 (Field Blank)	6/12	1330	RCR	H_2O	3	N			✓	✓	✓	✓						
3	GSL 2767 .2 (rep)	6/12	14:05	RCR	H_2O	3	N			✓	✓	✓	✓						
4	GSL 2767 Brine Shr.	6/12	1400	RCR	H_2O	1	N	✓										✓	Se, Hg, + other trace metals - see project plan
5	GSL2820 0.2m/0.5m	6/12	11:20 12:00	RCR	H_2O	6	N			✓	✓	✓	✓						me-Hg preserved w/ H_2SO_4
6	GSL 2267 0.2m/0.5m	6/11	11:30 12:00	RCR	H_2O	6	N			✓	✓	✓	✓						
7	GSL-2568 0.2m/0.5m	6/11	14:00 14:30	RCR	H_2O	6	N			✓	✓	✓	✓						
8	GSL @ Farm Bay outlet 0.2m/0.5m	6/12	15:30 15:45	RCR	H_2O	6	N			✓	✓	✓	✓						
9	N1018 0.2m/0.5m	6/11	15:30 16:00	RCR	H_2O	6	N			✓	✓	✓	✓						
10	GSL 3510 0.2m/0.5m	6/13	1200 1245	RCR	H_2O	6	N			✓	✓	✓	✓						

Relinquished by: RCR	Date: 6-18-2012	Time: 1600	Relinquished by:
Received by:	Date:	Time:	Received at BRL by: Cori Mick
Shipping carrier:	# of coolers: 5		BRL work order ID:

Date:	Time:	
Date: 6/19/12	Time: 0900	
BRL project ID:		

C1 3.4°C

00357

00400

FedEx Express NEW Package US Airbill

FedEx Tracking Number 8003 6800 3679

Form ID No. 0215

SLA1

RECIPIENT: PEEL HERE

1 From This portion can be removed for Recipient's records.

Date 6/19/2012 FedEx Tracking Number 800368003679

Sender's Name UT-WSC C/o Ryan Rowland Phone 801 908-5000

Company US GEOLOGICAL SURVEY WRD

Address 2329 ORTON CIR Dept/Floor/Suite/Room

City SALT LAKE CITY State UT ZIP 84119-2047

2 Your Internal Billing Reference 1C0Z2GG

3 To

Recipient's Name Sample Receiving Phone 206 632-6206

Company Frog's Brand Labs

Address 2456 6th Avenue NW

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept/Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Seattle State WA ZIP 98107

HOLD Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0451335005

8003 6800 3679

4 Express Package Service *To most locations. NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] NEW FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging *Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling and Delivery Signature Options

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ x ___ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

- [ ] Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No.

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

[redacted] [redacted]

Total Packages 1 Total Weight 32 lbs. Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

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C2 2.7°C

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00400

FedEx Express **NEW Package US Airbill**

FedEx Tracking Number 8003 6800 3690

Form ID No. 0215

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RECIPIENT: PEEL HERE

1 From This portion can be removed for Recipient's records.

Date 6/18/2012 FedEx Tracking Number 800368003690

Sender's Name UT-WSC c/o Ryan Rowland Phone 801 908-5000

Company US GEOLOGICAL SURVEY WRD

Address 2329 ORTON CIR Dept./Floor/Suite/Room

City SALT LAKE CITY State UT ZIP 84119-2047

2 Your Internal Billing Reference ACUN2NK

3 To

Recipient's Name Sample Receiving Phone 206 632 6206

Company Brooks Rand Labs

Address 3958 6th Avenue NW Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

HOLD Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Seattle State WA ZIP 98107

0451335005

8003 6800 3690

4 Express Package Service *To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day

- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] NEW FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging *Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling and Delivery Signature Options

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

Obtain recip. Acct. No. [ ]

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

[redacted] [redacted]

Total Packages 1 Total Weight 52 lbs. Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

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00400

FedEx Express *NEW Package US Airbill*

FedEx Tracking Number 8003 6800 3716

SLA1

Form ID No. 0215

RECIPIENT: PEEL HERE

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1 From This portion can be removed for Recipient's records.

Date 6/18/2012 FedEx Tracking Number 800368003716

Sender's Name UT-WSC C/O Ryan Rowland Phone 801 908-5000

Company US GEOLOGICAL SURVEY WRD

Address 2329 ORTON CIR Dept./Floor/Suite/Room

City SALT LAKE CITY State UT ZIP 84119-2047

2 Your Internal Billing Reference 1CC0200

3 To

Recipient's Name Sample Receiving Phone 206 632 6206

Company Brooks Rand Labs

Address 3958 6th Avenue NW Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Seattle State WA ZIP 98107

HOLD Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0451335005

8003 6800 3716

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] NEW FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling and Delivery Signature Options

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

- [x] No
- [ ] Yes As per attached Shipper's Declaration.
- [ ] Yes Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No.

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

[redacted] [redacted]

Total Packages 1 Total Weight 60 lbs. Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

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00400

FedEx Express NEW Package US Airbill

FedEx Tracking Number 8003 6800 3705

Form I.D. No. 0215

SLA1

Recipient's Copy

RECIPIENT: PEEL HERE

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1 From This portion can be removed for Recipient's records.

Date 6/18/2012 FedEx Tracking Number 800368003705

Sender's Name UT-WSC c/o Ryan Rowland Phone 801 908-5000

Company US GEOLOGICAL SURVEY WRD

Address 2329 ORTON CIR Dept./Floor/Suite/Room

City SALT LAKE CITY State UT ZIP 84119-2047

2 Your Internal Billing Reference 960-0288

3 To

Recipient's Name Sample Receiving Phone 206 632 6206

Company Brooks Rand labs

Address 3958 6th Avenue NW Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

HOLD Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

HOLD Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

City Seattle State WA ZIP 98107

0451335005

L

8003 6800 3705

4 Express Package Service *To most locations. Packages up to 150 lbs.

NOTE: Service order has changed. Please select carefully. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] NEW FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging *Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling and Delivery Signature Options

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check
- Obtain recip. Acct. No. [ ]

[redacted]

Total Packages 1 Total Weight 50 lbs.

[redacted]

Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

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C5 1.5°C

00358

00400

FedEx Express NEW Package US Airbill

FedEx Tracking Number 8003 6800 3680

Form ID No. 0215

SLA1

1 From This portion can be removed for Recipient's records.

Date 6/19/2012 FedEx Tracking Number 800368003680

Sender's Name UT-WSC C/O Ryan Rowland Phone 801 908-5000

Company US GEOLOGICAL SURVEY WSC

Address 2329 ORTON CIR Dept/Floor/Suite/Room

City SALT LAKE CITY State UT ZIP 84119-2047

2 Your Internal Billing Reference 9CC0200

3 To

Recipient's Name Saundra Receiving Phone 206 632-1206

Company Pacific Northwest Lab

Address 2158 - 5th Avenue NW Dept/Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Seattle State WA ZIP 98107

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0451335005

8003 6800 3680

RECIPIENT: PEEL HERE

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4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day	2 or 3 Business Days
☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.	☐ NEW FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
☑ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.	☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.	☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☑ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☐ Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. ☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below. Obtain rec'p. Acct. No. ☐

☑ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

Total Packages 1 Total Weight 50 lbs. Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

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fedex.com 1.800.GoFedEx 1.800.463.3339

ANALYSIS SEQUENCE

1200522

Brooks Rand Labs

Instrument: THG-05

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200522-IBL1	1200522	QC	1		-			
1200522-IBL2	1200522	QC	2		-			
1200522-IBL3	1200522	QC	3		-			
1200522-IBL4	1200522	QC	4		-			
1200522-CAL1	1200522	QC	5	1225047	-			
1200522-CAL2	1200522	QC	6	1225048	-			
1200522-CAL3	1200522	QC	7	1225049	-			
1200522-CAL4	1200522	QC	8	1225050	-			
1200522-CAL5	1200522	QC	9	1225051	-			
1200522-ICV1	1200522	QC	10	1225053	-			
B121102-SRM1	B121102	QC	11		-			
1200522-CCV1	1200522	QC	12	1225052	-			
B121102-BLK1	B121102	QC	13		-			
1200522-CCB1	1200522	QC	14		-			
B121102-BLK2	B121102	QC	15		-			
B121102-BLK3	B121102	QC	16		-			
B121102-BLK4	B121102	QC	17		-			
1226027-37	B121102	Hg-W-BrCl-CVAFS-TR	18			TTI-ST1001	7/24/2012	
1226028-73	B121102	Hg-W-BrCl-CVAFS-TR	19			TTI-ST1001	7/24/2012	
1225015-13	B121102	Hg-W-BrCl-CVAFS-TR	20			UDE-SL1201	8/2/2012	
1226026-01	B121102	Hg-W-BrCl-CVAFS-TR	21			TRC-WD1101	7/23/2012	
1226026-01	B121102	Hg-W-BrCl-CVAFS-Diss	22			TRC-WD1101	1/1/1980	BatchQC
1226027-34	B121102	Hg-W-BrCl-CVAFS-TR	23			TTI-ST1001	7/24/2012	
1226027-34	B121102	Hg-W-BrCl-CVAFS-Diss	24			TTI-ST1001	1/1/1980	BatchQC
1225015-01	B121102	Hg-W-BrCl-CVAFS-TR	25			UDE-SL1201	8/2/2012	
1226028-67	B121102	Hg-W-BrCl-CVAFS-TR	26			TTI-ST1001	7/24/2012	

ANALYSIS SEQUENCE

1200522

Brooks Rand Labs

Instrument: THG-05

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1225015-11	B121102	Hg-W-BrCl-CVAFS-TR	27			UDE-SL1201	8/2/2012	
1225015-11	B121102	Hg-W-BrCl-CVAFS-Diss	28			UDE-SL1201	1/1/1980	BatchQC
1226028-70	B121102	Hg-W-BrCl-CVAFS-TR	30			TTI-ST1001	7/24/2012	
1225015-16	B121102	Hg-W-BrCl-CVAFS-TR	31			UDE-SL1201	8/2/2012	
1225015-18	B121102	Hg-W-BrCl-CVAFS-TR	32			UDE-SL1201	8/2/2012	
1225015-20	B121102	Hg-W-BrCl-CVAFS-TR	33			UDE-SL1201	8/2/2012	
1225015-22	B121102	Hg-W-BrCl-CVAFS-TR	34			UDE-SL1201	8/2/2012	
1226027-37RE1	B121102	Hg-W-BrCl-CVAFS-TR	35			TTI-ST1001	7/24/2012	Added 7/11/2012 by M_H
B121102-MS1	B121102	QC	36		1226026-01			
B121102-MSD1	B121102	QC	37		1226026-01			
B121102-MS2	B121102	QC	38		1226027-34			
B121102-MSD4	B121102	QC	39		1226027-34			
B121102-MS3	B121102	QC	40		1225015-11			
B121102-MSD3	B121102	QC	41		1225015-11			
1226028-73RE1	B121102	Hg-W-BrCl-CVAFS-TR	42			TTI-ST1001	7/24/2012	Added 7/11/2012 by M_H
1225015-01RE1	B121102	Hg-W-BrCl-CVAFS-TR	43			UDE-SL1201	8/2/2012	Added 7/11/2012 by M_H
1200522-CCV2	1200522	QC	44	1225052	-			
1226027-03	B121102	Hg-W-BrCl-CVAFS-Diss	45			TTI-ST1001	7/24/2012	
1226027-14	B121102	Hg-W-BrCl-CVAFS-Diss	46			TTI-ST1001	7/24/2012	
1226027-25	B121102	Hg-W-BrCl-CVAFS-Diss	47			TTI-ST1001	7/24/2012	
1226028-03	B121102	Hg-W-BrCl-CVAFS-Diss	48			TTI-ST1001	7/24/2012	
1226028-14	B121102	Hg-W-BrCl-CVAFS-Diss	49			TTI-ST1001	7/24/2012	
B121102-MSD2	B121102	QC	50		1226027-34			
1226028-25	B121102	Hg-W-BrCl-CVAFS-Diss	51			TTI-ST1001	7/24/2012	
1226028-36	B121102	Hg-W-BrCl-CVAFS-Diss	52			TTI-ST1001	7/24/2012	
1226028-47	B121102	Hg-W-BrCl-CVAFS-Diss	53			TTI-ST1001	7/24/2012	

ANALYSIS SEQUENCE

1200522

Brooks Rand Labs

Instrument: THG-05

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1226028-58	B121102	Hg-W-BrCl-CVAFS-Diss	54			TTI-ST1001	7/24/2012	
1200522-CCV3	1200522	QC	55	1225052	-			
1225015-02	B121102	Hg-W-BrCl-CVAFS-TR	56			UDE-SL1201	8/2/2012	
1225015-12	B121102	Hg-W-BrCl-CVAFS-TR	57			UDE-SL1201	8/2/2012	
1225015-14	B121102	Hg-W-BrCl-CVAFS-TR	58			UDE-SL1201	8/2/2012	
1225015-17	B121102	Hg-W-BrCl-CVAFS-TR	59			UDE-SL1201	8/2/2012	
1225015-19	B121102	Hg-W-BrCl-CVAFS-TR	60			UDE-SL1201	8/2/2012	
1225015-21	B121102	Hg-W-BrCl-CVAFS-TR	61			UDE-SL1201	8/2/2012	
1225015-23	B121102	Hg-W-BrCl-CVAFS-TR	62			UDE-SL1201	8/2/2012	
1225015-24	B121102	Hg-W-BrCl-CVAFS-TR	63			UDE-SL1201	8/2/2012	
1225015-25	B121102	Hg-W-BrCl-CVAFS-TR	64			UDE-SL1201	8/2/2012	
1225015-26	B121102	Hg-W-BrCl-CVAFS-TR	65			UDE-SL1201	8/2/2012	
1200522-CCV4	1200522	QC	66	1225052	-			
1225015-27	B121102	Hg-W-BrCl-CVAFS-TR	67			UDE-SL1201	8/2/2012	
1200522-CCV5	1200522	QC	68	1225052	-			

SOP(s) / Rev#(s): 0006-001e

Hg Analysis Sheet : T-Hg / Other: _____

Sequence: 1200522 Batch(es): B121102

Analyst: MLH Date: 7/11/12 Instrument ID: Tthg-05

10ng/mL std ID: 1225022 1ng/mL std ID: 1225021 ICV std ID: 1225023

$NH_2OH \cdot HCl$ #: 1226036 $SnCl_2$ #: 1227082

Initial offset: 10,001 Initial PMT: 488.5 Trap Serial #: 12164

Run #	Split Bottle	Trap	Bubb.	Brooks Rand Sample ID	Analy. Vol. (mL)	Dilution Factor	Analysis comments / For spiked QC: Source sample, standard ID, and spiked volume (mL)
1	1	1	1	SEQ-IBL1	---		
2	2	2	2	SEQ-IBL2	---		
→ 3	3	3	3	SEQ-IBL3	---		
4	4	4	4	SEQ-IBL4	---		
→ 5	1	5	1	SEQ-CAL1	0.025		1ng/mL
→ 6	2	6	2	SEQ-CAL2	0.100		1ng/mL
7	3	7	3	SEQ-CAL3	0.050		10ng/mL
8	4	8	4	SEQ-CAL4	0.250		10ng/mL
→ 9	1	9	1	SEQ-CAL5	1.00		10ng/mL
10	2	10	2	SEQ-ICV1	1.00		NIST 1641d
11	3	11	3	SEQ-CCV	0.050		10ng/mL
12	4	12	4	B121102-BLK1	99.67		
13	1	1	1	SEQ-CCB1	---		
14	2	2	2	B121102-BLK2	99.90		
15	3	3	3	↓ -BLK3	100.16		
16	4	4	4	↓ -BLK4	99.54		
17	1	5	1	1226027-37	100.89		HIGH BLANK: WILL RERUN
18	2	6	2	1226028-73	99.55		↓
19	3	7	3	1225015-13	100.50		
20	4	8	4	1226026-01	75.00		
21	1	9	1	1226027-34	99.53		
22	2	10	2	1225015-01	49.77		
23	3	11	3	1226020-67	99.57		
24	4	12	4	1225015-11	74.99		

Comments: _____

Balance ID: BL-02

SOP(s) / Rev#(s): 0006-00fe

BRL Report 1225015

Hg Analysis Sheet ; ~~T-Hg~~ / Other: ____

Sequence: 1200522 Analyst: MLH Date: 7/11/12

Run #	Split Bottle	Trap	Bubb.	Brooks Rand Sample ID	Analy. Vol. (mL)	Dilution Factor	Analysis comments / For spiked QC: Source sample, standard ID, and spiked volume (mL)
~~25~~	1	1	1	1226028-70	100.60		
~~26~~	2	2	2	1225015-16	74.86		
~~27~~	3	3	3	-18	75.27		
~~28~~	4	4	4	-20	74.30		
30	1	5	1	1225015-22	75.23		
31	2	6	2	1226027-37RE1	100.63		
32	3	7	3	B121102-MS1	75.04		NATIVE: 1226026-01 + 5,600 (500 uL of 10ng/mL)
33	4	8	4	-MSD1	75.18		〃
34	1	9	1	-MS2	100.47		NATIVE: 1226027-34 + 2,200 (220 uL of 10ng/mL)
35	2	10	2	-MSD2	100.92		〃
36	3	11	3	-MS3	74.29		NATIVE: 1225015-11 + 600 (600 uL of 1ng/mL)
37	4	12	4	-MSD3	75.01		〃
38	1	1	1	1226028-73RE1	99.44		
39	2	2	2	1225015-01RE1	99.53		
40	3	3	3	SEQ-CCV	0.050		10ng/mL
41	4	4	4	1226027-03	100.41		
42	1	5	1	-14	100.21		
43	2	6	2	-25	99.49		
44	3	7	3	1226028-03	99.16		
45	4	8	4	-14	99.86		
46	1	9	1	B121102-MSD2	100.65		NATIVE: 1226027-34 + 2,200 (220 uL of 10ng/mL)
47	2	10	2	1226028-25	99.60		
48	3	11	3	-36	100.25		
49	4	12	4	-47	99.79		
50	1	1	1	1226028-58	99.12		
51	2	2	2	SEQ-CCV	0.050		10ng/mL
52	3	3	3	1225015-02	99.54		
53	4	4	4	-12	100.00		
54	1	5	1	-14	100.47		~~DID NOT CONFIRM W/ DUP SAMPLE: WILL RERUN~~ MH 7/14/12
55	2	6	2	-17	99.31		
56	3	7	3	-19	99.91		
57	4	8	4	-21	100.03		

Comments: * 25 WAS A RUN OF SAMPLE 1226028-70 BUT W/ REJECTED. DUE TO COLL ISSUE.
(*) QC RECOVERY ON NATIVE: 1226027-34 WAS 1.26% . WILL RERUN.

Hg Analysis Sheet : ~~T-Hg~~ / Other:

Sequence: 1200522 Analyst: MLH Date: 7/11/12

Run #	Split Bottle	Trap	Bubb.	Brooks Rand Sample ID	Analy. Vol. (mL)	Dilution Factor	Analysis comments / For spiked QC: Source sample, standard ID, and spiked volume (mL)
58	1	9	1	1225015-23	100.36		
59	2	10	2	-24	99.69		
60	3	11	3	-25	100.64		
61	4	12	4	-26	99.60		
	1			SEQ - CCV	0.050		10ng/mL
	2			1225015-27			
	3/4			SEQ - CCV	0.050		10ng/mL
	3			1225015-14RE1	MLH 7/11/12		
62	1	1	1	SEQ - CCV	0.058		10ng/mL
63	2	2	2	1225015-27	100.39		
64	3	3	3	SEQ-CCV	0.050		10ng/mL
						7/12/12	
							KDM

Comments:

Brooks Rand Labs

THg Water Prep Benchsheet

BRL Report 1225015

SOP / Rev #: BR-0006 Rev-004e

Prepped By: IRJ

Batch: B121102

BrCl ID: 1226044

1st - 24 hr Check Date/Time: 6:40 7/11/12

2nd - 24 hr Check Date/Time:

Preparation Start Date/Time*: 7.5.12 15:55

Preparation End Date/Time**: 7.5.12 16:20

* Time is when the first reagents are added.

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

					only fill out if additional BrCl is added		
Sample ID	Sample Aliquot (mL)	BrCl added (mL)	%BrCl	24 hr Check (initials)	Additional BrCl Added (mL)	2nd - 24 hr Check (initials)	Adjusted %BrCl
1225015-01	250	2.5	1	MLH			
1225015-02							
1225015-11							
1225015-12							
1225015-13							
1225015-14							
1225015-16							
1225015-17							
1225015-18							
1225015-19							
1225015-20							
1225015-21		5.0	2				
1225015-22							
1225015-23		2.5	1				
1225015-24							
1225015-25		5.0	2				
1225015-26		2.5	1				
1225015-27		5	2				
1226026-01		12.5	2.5 DRS 7.5.12				
1226027-03	230	4.6	2				
1226027-14							
1226027-25							
1226027-34	500	10					
1226027-37		5	1				
1226028-03	230	4.6	2				
1226028-14							
1226028-25							
1226028-36							
1226028-47							
1226028-58							
1226028-67	500	10					
1226028-70							
1226028-73		5	1				
B121102-BLK1	250	2.5	1				
B121102-BLK2							
B121102-BLK3							
B121102-BLK4							

Time in: _____

Time out: _____

Oven Temp (measured / corrected): _____ / _____

Oven Temp (measured / corrected): _____ / _____

Thermometer ID: _____

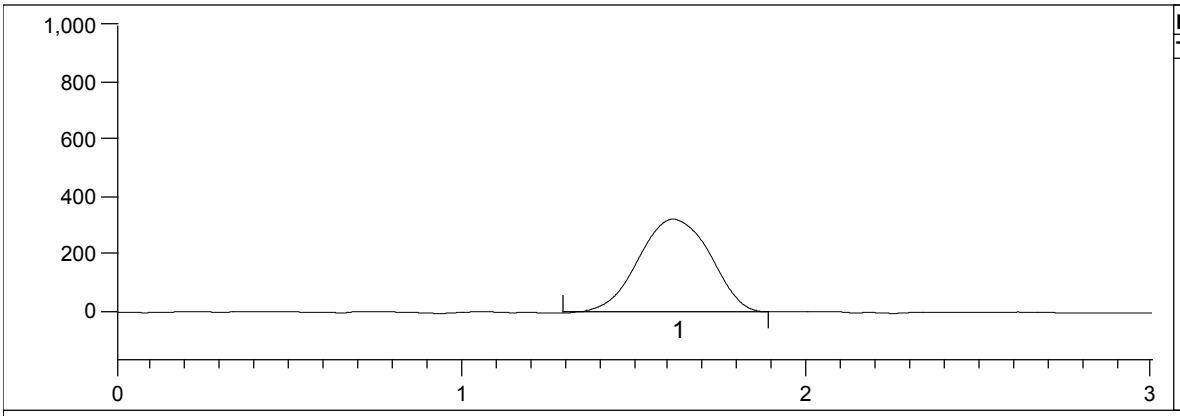
NOTES:

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

Date Analyzed: 7/11/12
Analyst Name: MLH

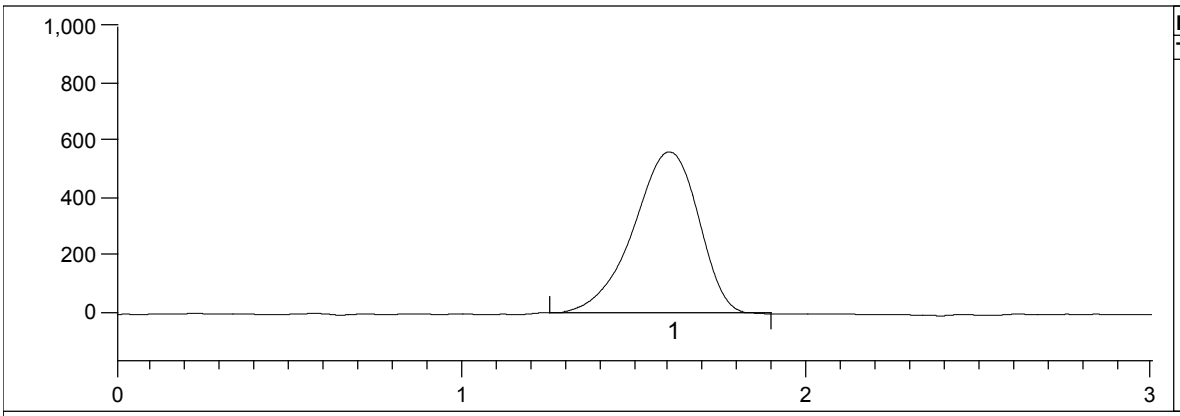


Date: 7/11/12
Time: 7:16 AM

Peak	rt	Area
1	1.61	48,036

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1		IBL	SEQ-IBL1		1	48,036	6.06		6.06	< 40	accept

Notes

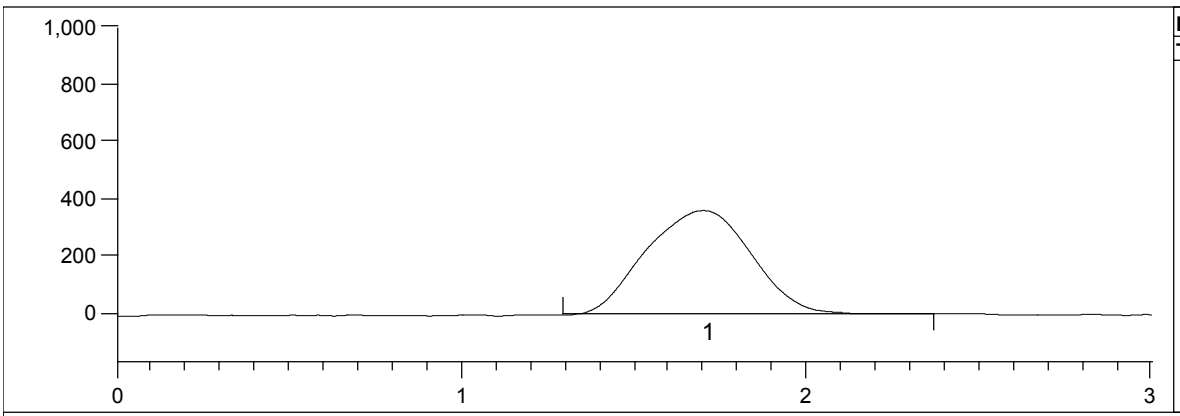


Date: 7/11/12
Time: 7:22 AM

Peak	rt	Area
1	1.60	75,424

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2		IBL	SEQ-IBL2		1	75,424	9.52		9.52	< 40	accept

Notes



Date: 7/11/12
Time: 7:26 AM

Peak	rt	Area
1	1.70	79,957

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3		IBL	SEQ-IBL3		1	79,957	10.1		10.1	< 40	accept

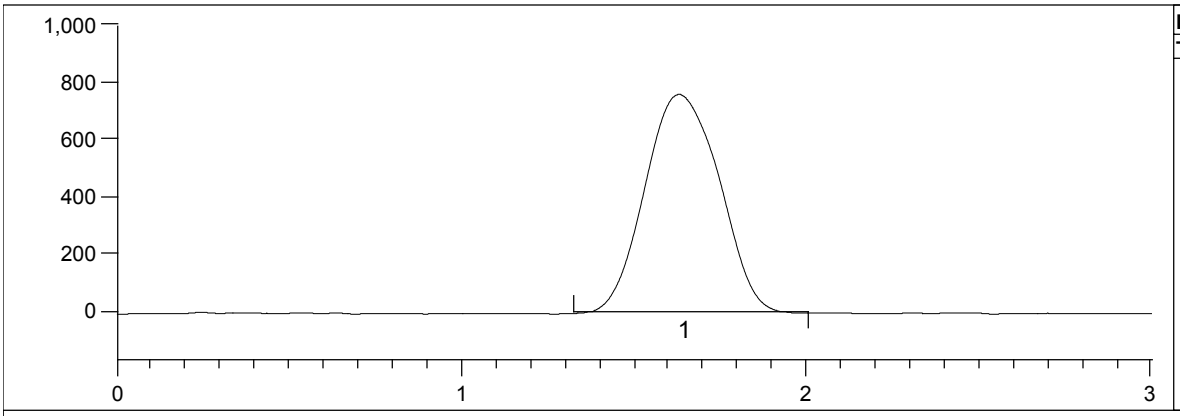
Notes

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

Date Analyzed: 7/11/12
Analyst Name: MLH

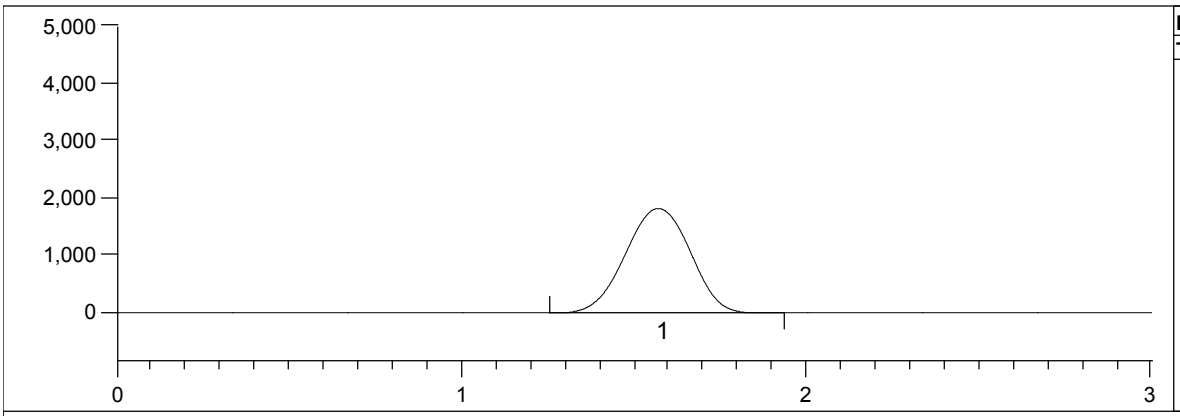


Date: 7/11/12
Time: 7:30 AM

Peak	rt	Area
1	1.62	116,524

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4		IBL	SEQ-IBL4		1	116,524	14.7		14.7	< 40	accept

Notes

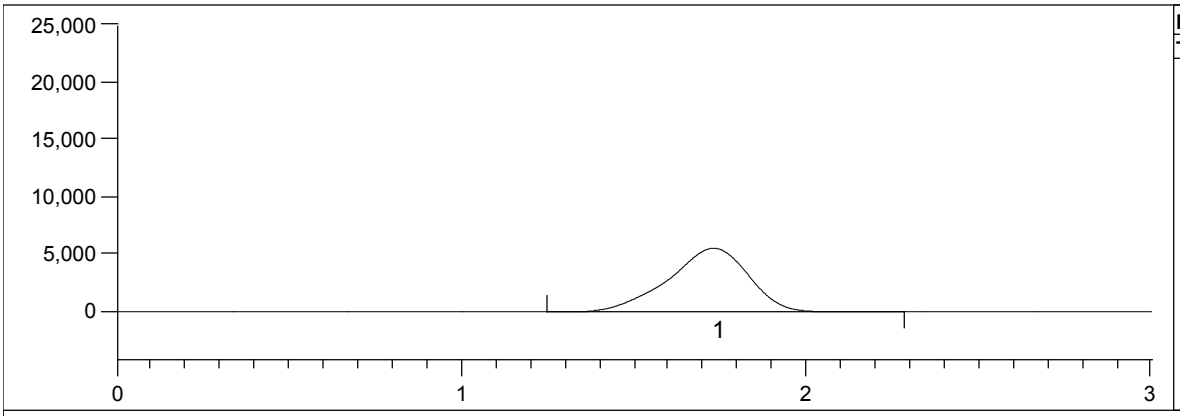


Date: 7/11/12
Time: 7:36 AM

Peak	rt	Area
1	1.56	241,309

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5		CAL	SEQ-CAL1		1	241,309	20.4		81.5	80-120	accept

Notes



Date: 7/11/12
Time: 7:42 AM

Peak	rt	Area
1	1.72	903,690

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6		CAL	SEQ-CAL2		1	903,690	104		104	80-120	accept

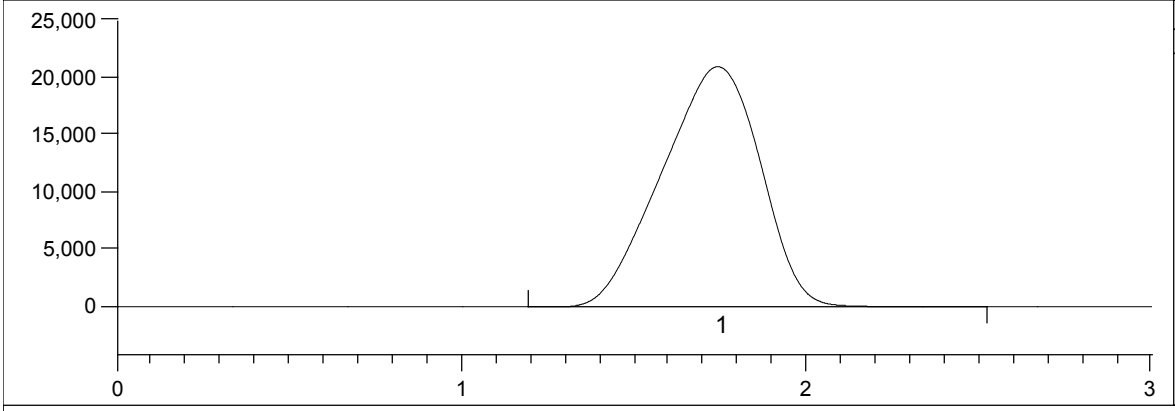
Notes

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

Date Analyzed: 7/11/12
Analyst Name: MLH

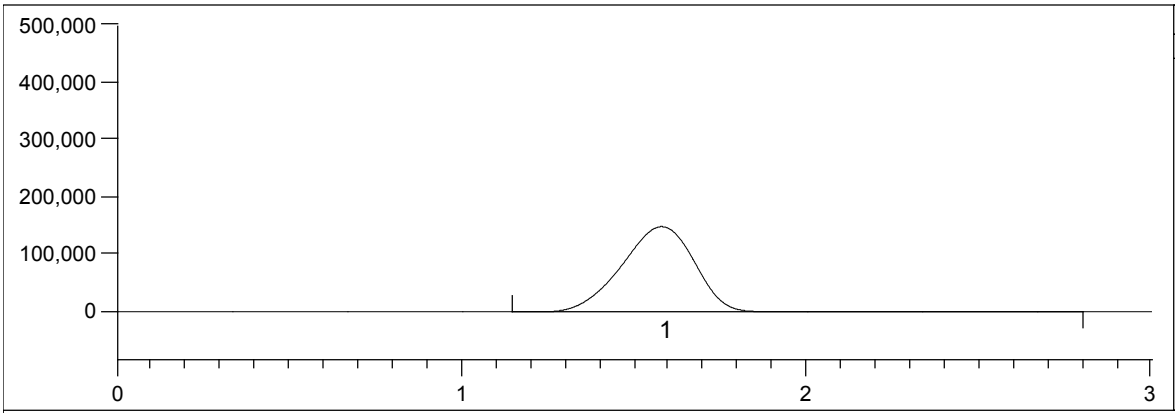


Date: 7/11/12
Time: 7:46 AM

Peak	rt	Area
1	1.74	4,191,512

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7		CAL	SEQ-CAL3		1	4,191,512	519		104	80-120	accept

Notes

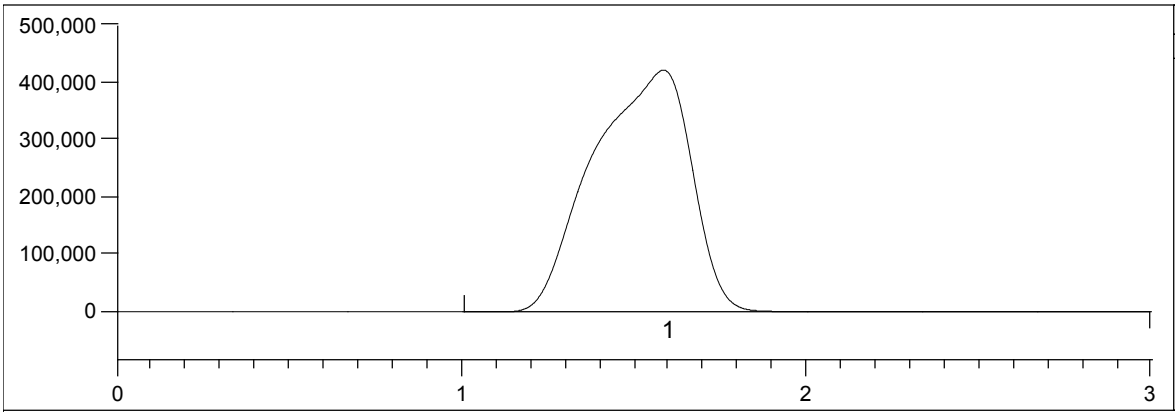


Date: 7/11/12
Time: 7:50 AM

Peak	rt	Area
1	1.58	21,953,123

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8		CAL	SEQ-CAL4		1	21,953,123	2,760		110.	80-120	accept

Notes



Date: 7/11/12
Time: 7:57 AM

Peak	rt	Area
1	1.58	84,140,519

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9		CAL	SEQ-CAL5		1	84,140,519	10,600		106	80-120	accept

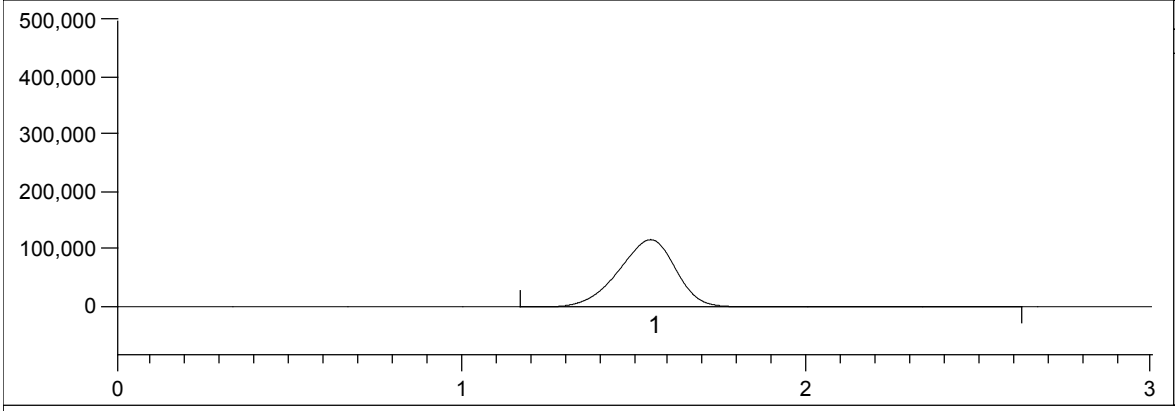
Notes

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

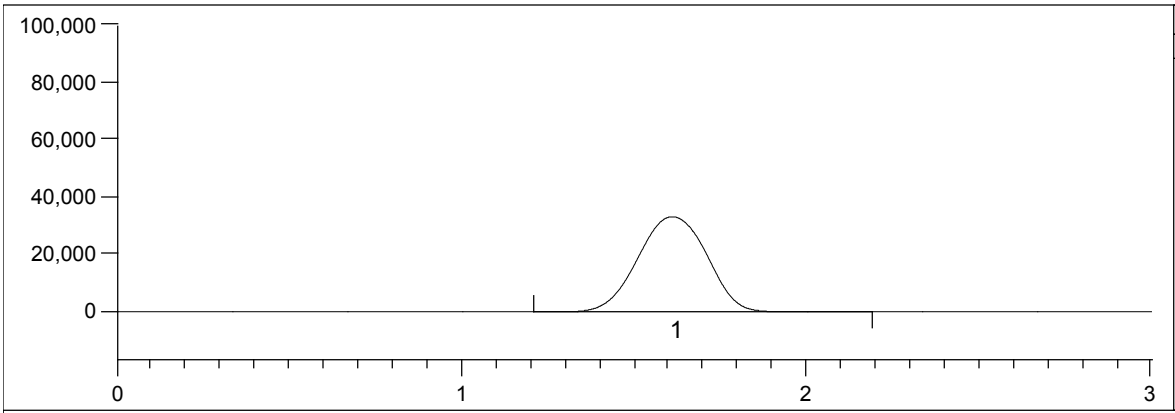
Date Analyzed: 7/11/12
Analyst Name: MLH



Date: 7/11/12
Time: 8:07 AM

Peak	rt	Area
1	1.54	13,677,751

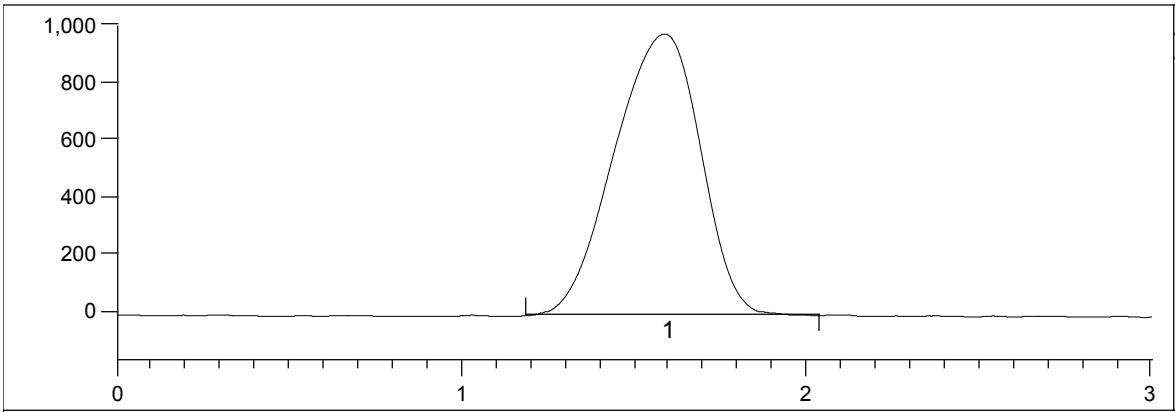
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10		ICV	SEQ-ICV1		1	13,677,751	1,720		109	85-115	accept
Notes											



Date: 7/11/12
Time: 8:11 AM

Peak	rt	Area
1	1.60	4,654,377

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11		CCV	SEQ-CCV		1	4,654,377	578		116	77-123	accept
Notes											



Date: 7/11/12
Time: 8:15 AM

Peak	rt	Area
1	1.58	173,448

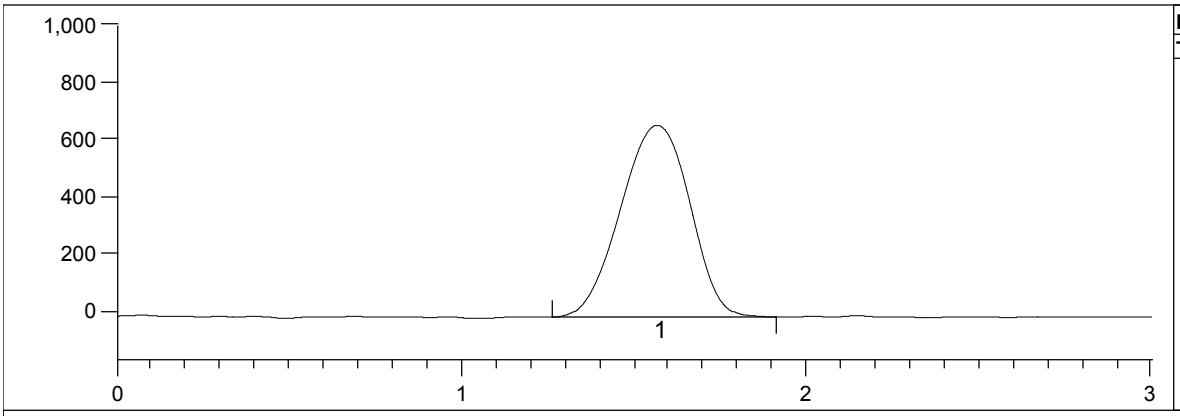
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12		S	B121102-BLK1		1	173,448	11.8	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

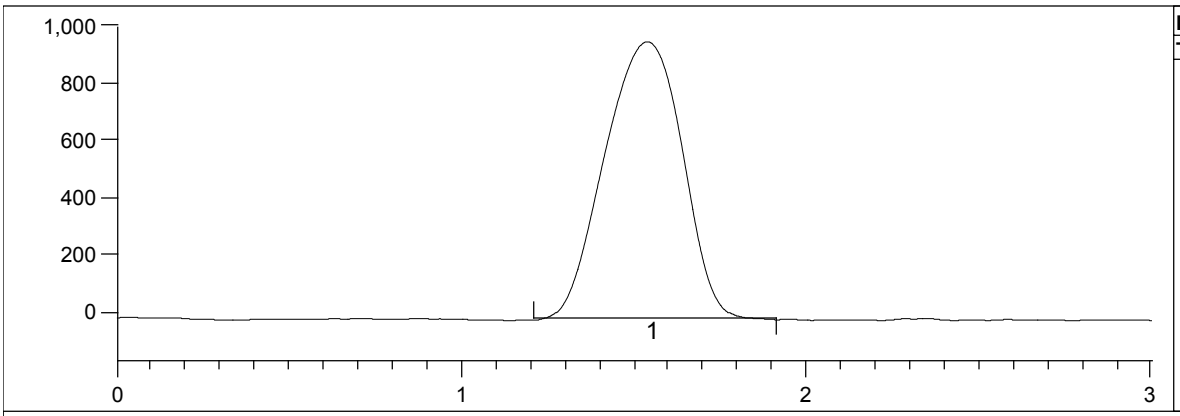
Date Analyzed: 7/11/12
Analyst Name: MLH



Date: 7/11/12
Time: 8:21 AM

Peak	rt	Area
1	1.56	94,368

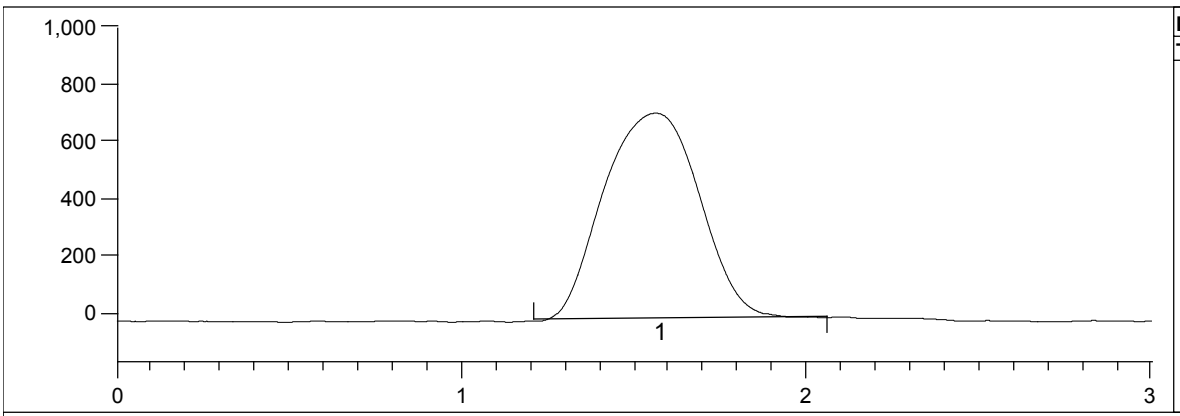
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
13		CCB	SEQ-CCB1		1	94,368	11.9		11.9	< 40	accept
Notes											



Date: 7/11/12
Time: 8:27 AM

Peak	rt	Area
1	1.53	153,979

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
14		S	B121102-BLK2		1	153,979	9.34	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 8:31 AM

Peak	rt	Area
1	1.56	141,712

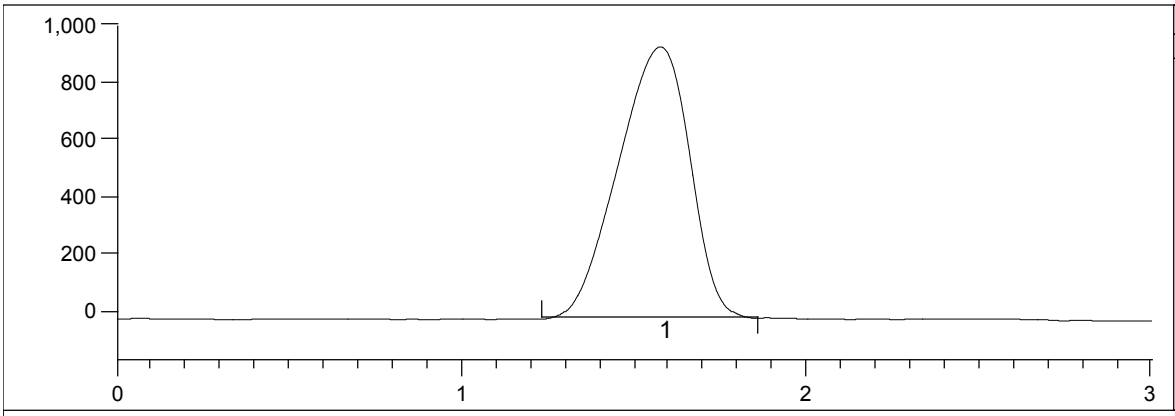
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
15		S	B121102-BLK3		1	141,712	7.79	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

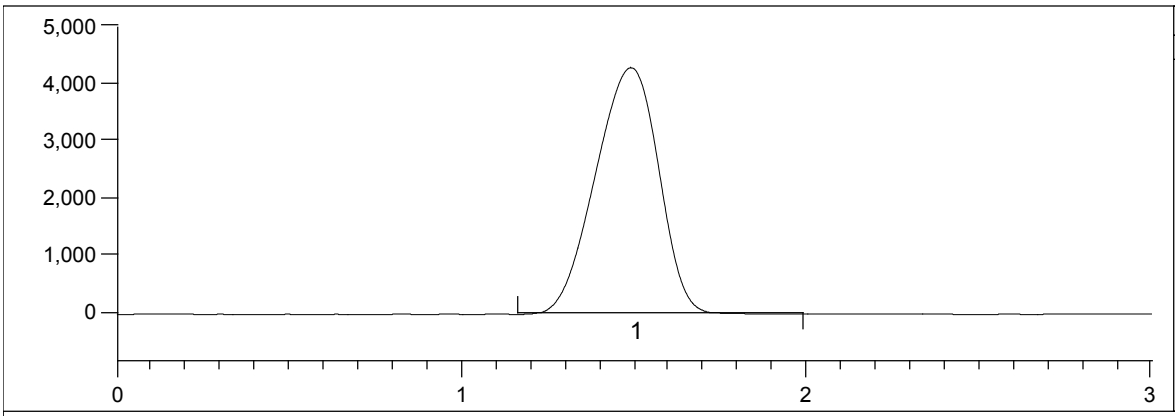
Date Analyzed: 7/11/12
Analyst Name: MLH



Date: 7/11/12
Time: 8:35 AM

Peak	rt	Area
1	1.57	138,353

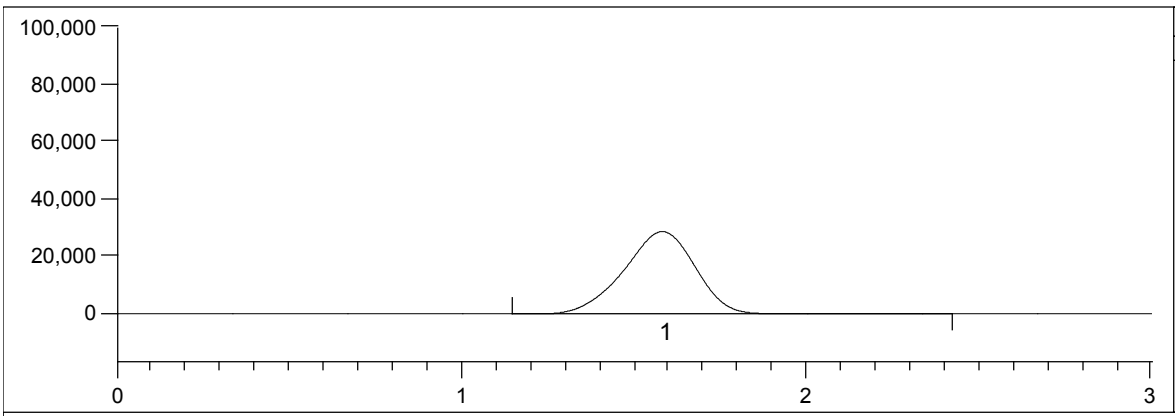
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16		S	B121102-BLK4		1	138,353	7.37	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 8:42 AM

Peak	rt	Area
1	1.48	556,508

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17		S	1226027-37		1	556,508	60.2	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 8:47 AM

Peak	rt	Area
1	1.58	4,172,521

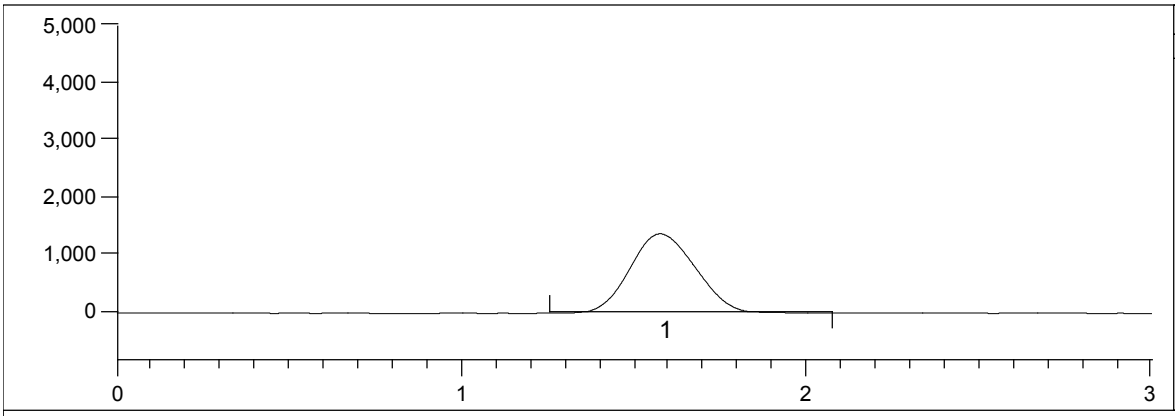
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18		S	1226028-73		1	4,172,521	517	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

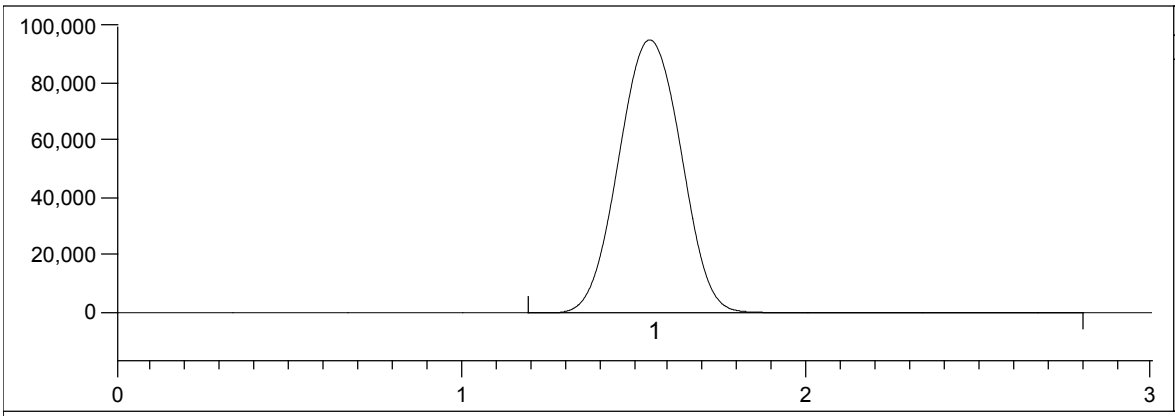
Date Analyzed: 7/11/12
Analyst Name: MLH



Date: 7/11/12
Time: 8:51 AM

Peak	rt	Area
1	1.57	188,417

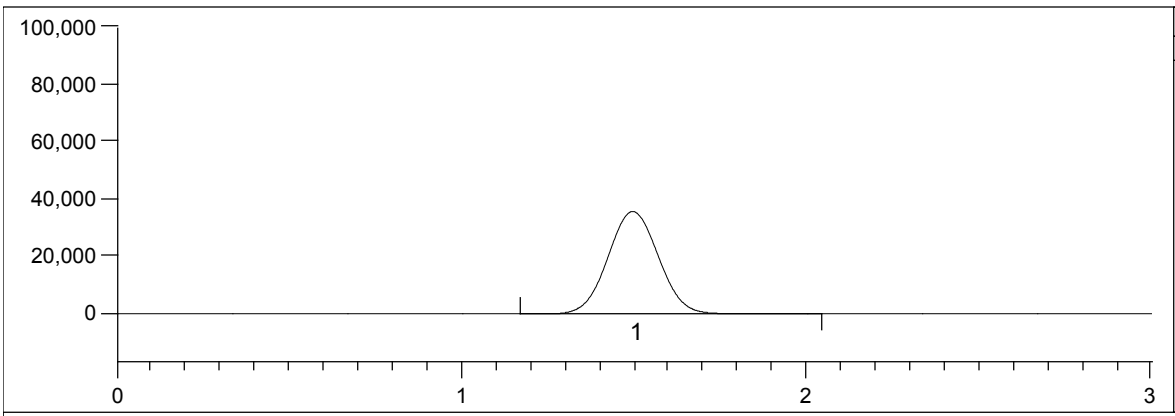
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
19		S	1225015-13		1	188,417	13.7	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 8:58 AM

Peak	rt	Area
1	1.54	12,110,685

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
20		S	1226026-01		1	12,110,685	1,520	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 9:03 AM

Peak	rt	Area
1	1.49	3,676,386

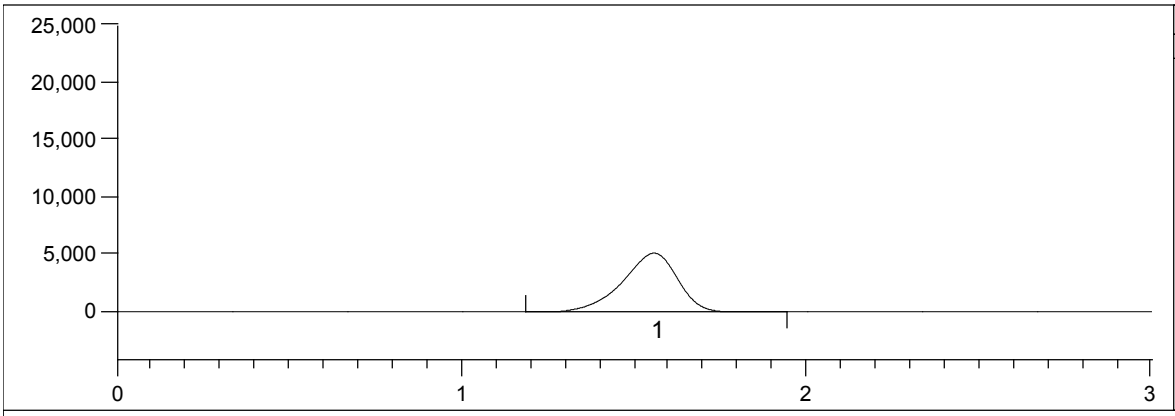
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
21		S	1226027-34		1	3,676,386	454	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

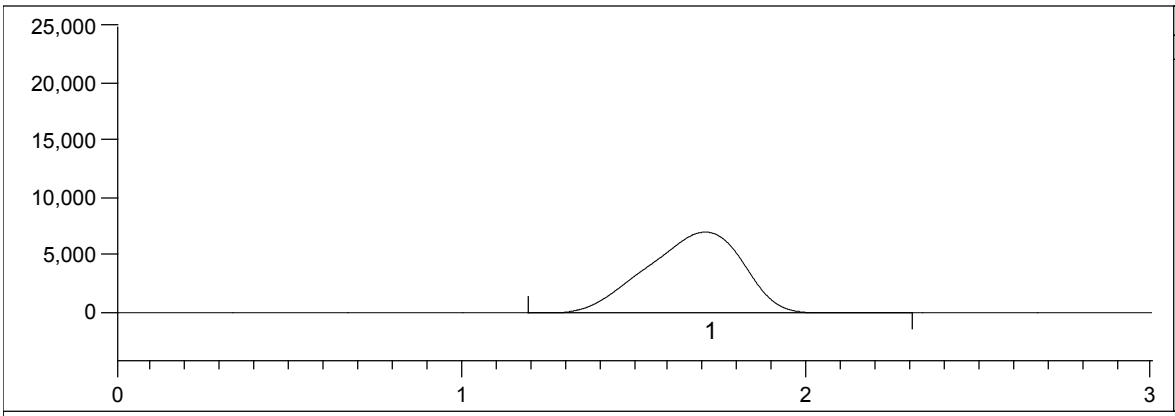
Date Analyzed: 7/11/12
Analyst Name: MLH



Date: 7/11/12
Time: 9:09 AM

Peak	rt	Area
1	1.55	586,993

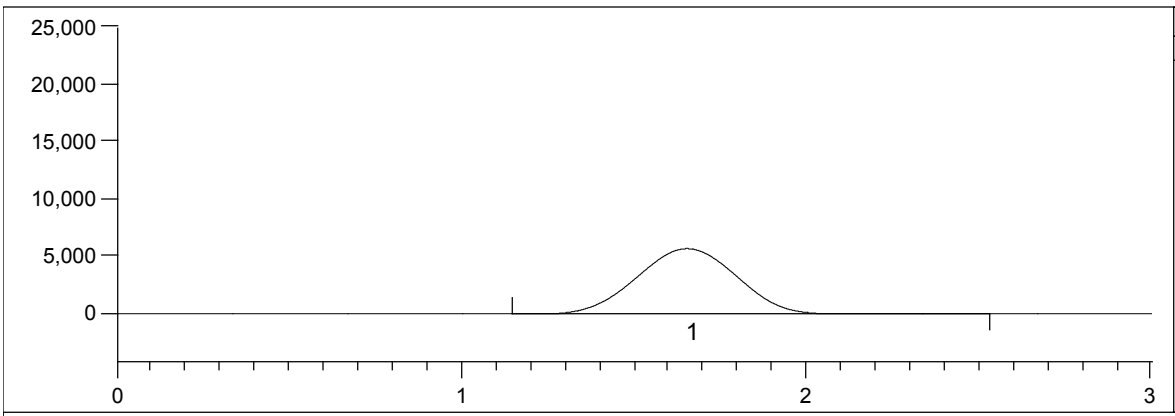
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
22		S	1225015-01		1	586,993	64.0	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 9:15 AM

Peak	rt	Area
1	1.70	1,405,737

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
23		S	1226028-67		1	1,405,737	167	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 9:19 AM

Peak	rt	Area
1	1.65	1,174,077

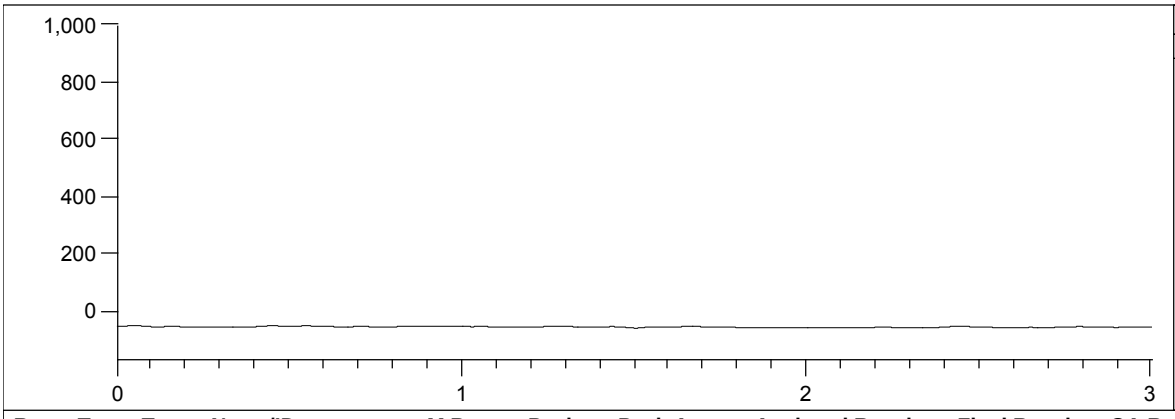
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24		S	1225015-11		1	1,174,077	138	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

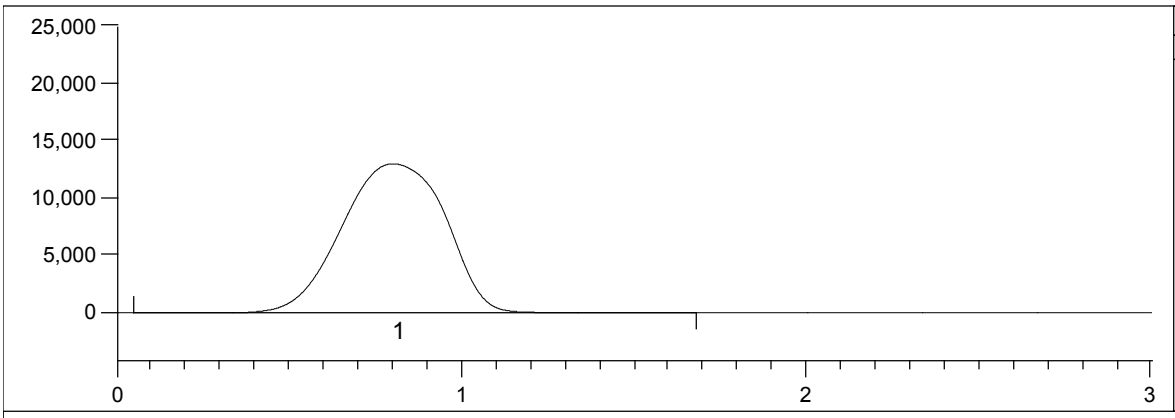
Date Analyzed: 7/11/12
Analyst Name: MLH



Date: 7/11/12
Time: 9:24 AM

Peak	rt	Area

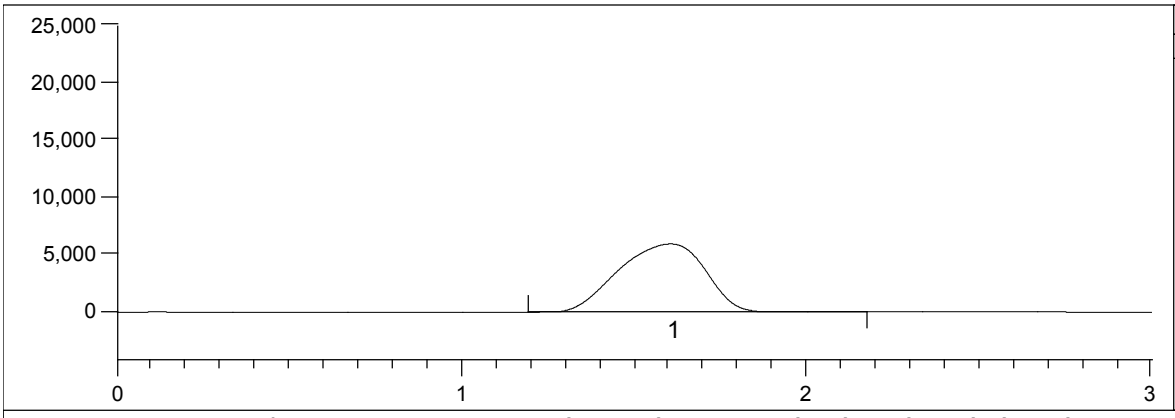
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
25		S	1226028-70			0	-10.1	0.00		< HS	reject
Notes											



Date: 7/11/12
Time: 9:27 AM

Peak	rt	Area
1	0.80	2,768,070

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
26		S	1226028-70		1	2,768,070	339	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 9:34 AM

Peak	rt	Area
1	1.60	1,065,327

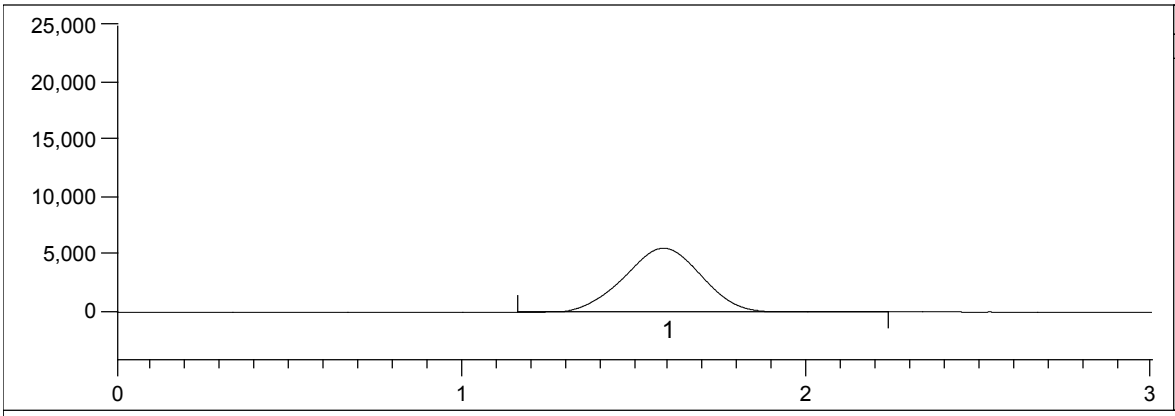
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
27		S	1225015-16		1	1,065,327	124	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

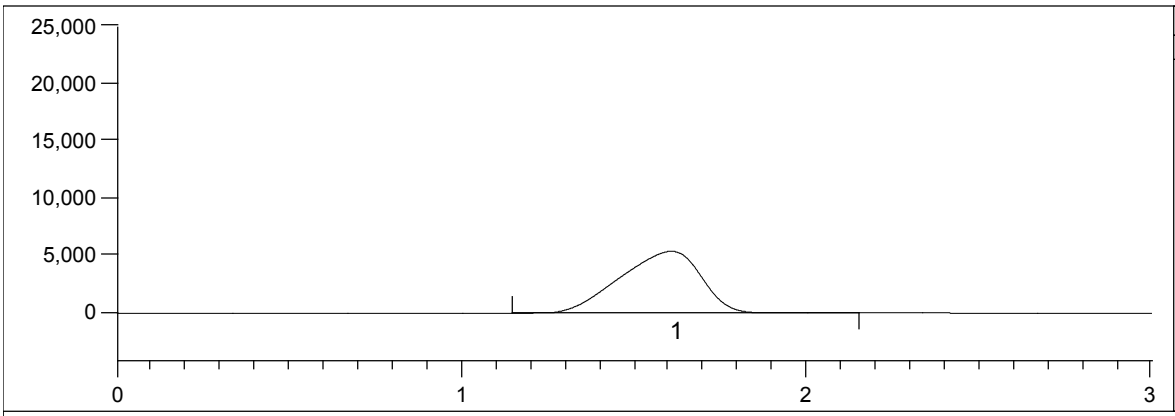
Date Analyzed: 7/11/12
Analyst Name: MLH



Date: 7/11/12
Time: 9:41 AM

Peak	rt	Area
1	1.58	894,053

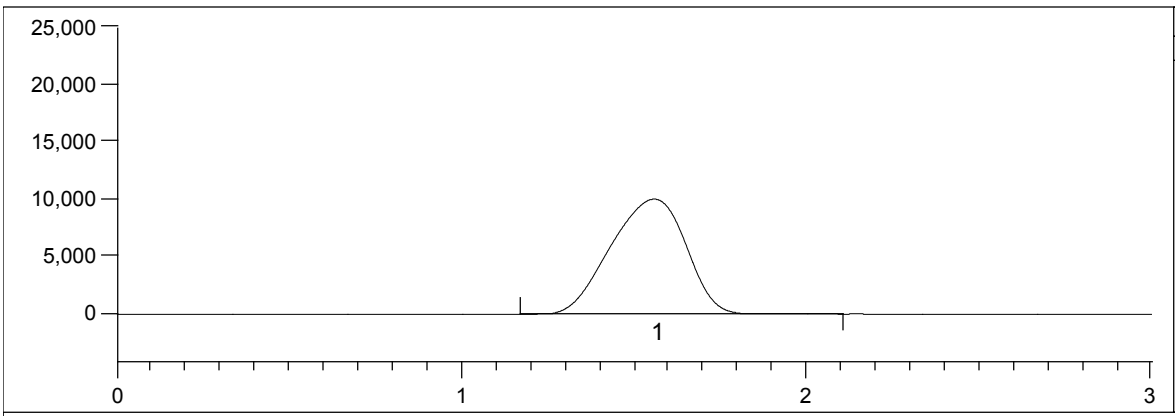
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
28		S	1225015-18		1	894,053	103	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 9:47 AM

Peak	rt	Area
1	1.60	905,616

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29		S	1225015-20		1	905,616	104	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 9:51 AM

Peak	rt	Area
1	1.55	1,553,873

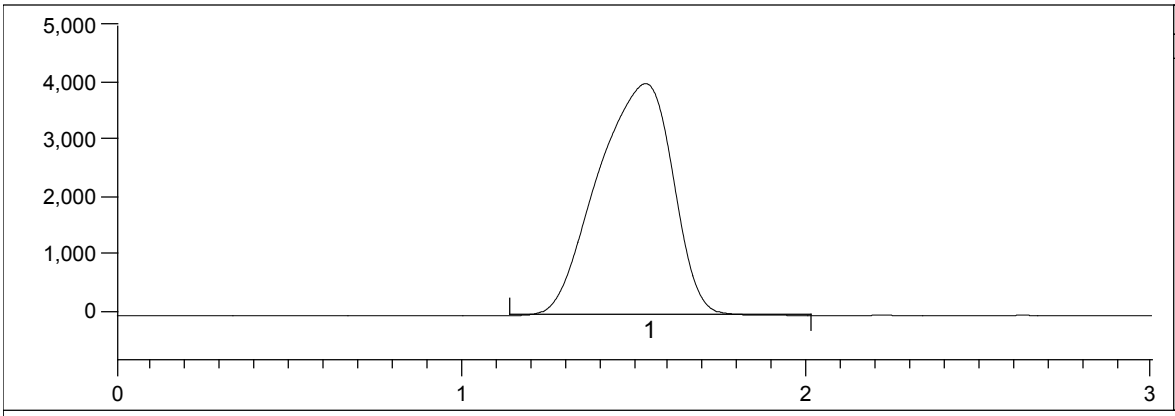
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
30		S	1225015-22		1	1,553,873	186	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

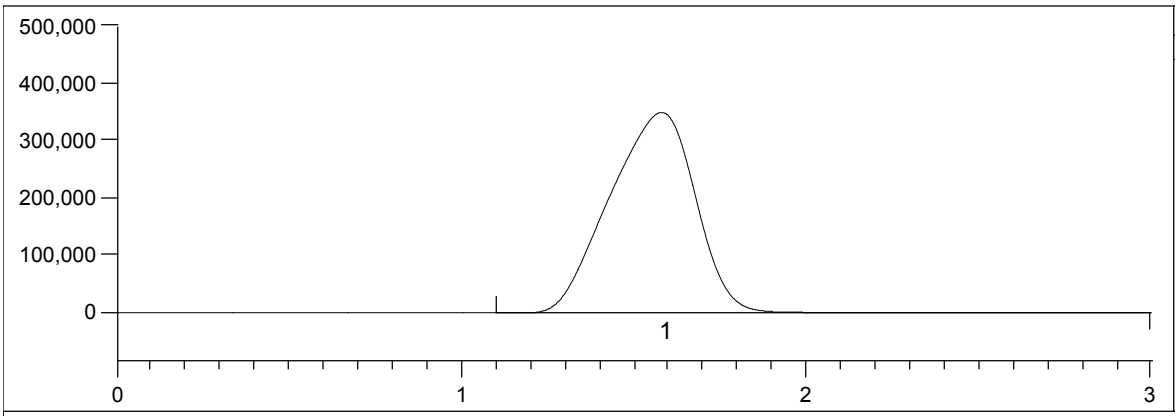
Date Analyzed: 7/11/12
Analyst Name: MLH



Date: 7/11/12
Time: 9:57 AM

Peak	rt	Area
1	1.53	622,987

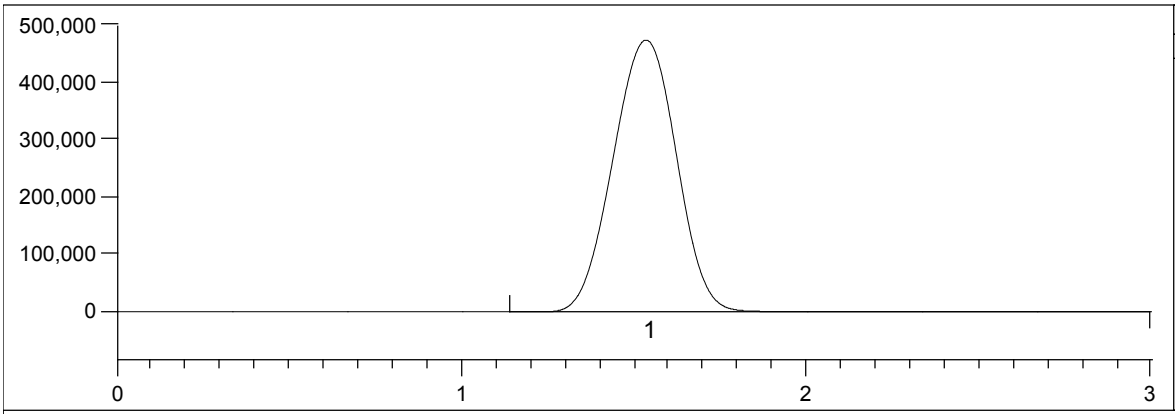
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31		S	1226027-37RE1		1	622,987	68.6	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 10:04 AM

Peak	rt	Area
1	1.58	60,857,175

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
32		S	B121102-MS1		1	60,857,175	7,670	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 10:08 AM

Peak	rt	Area
1	1.53	61,106,376

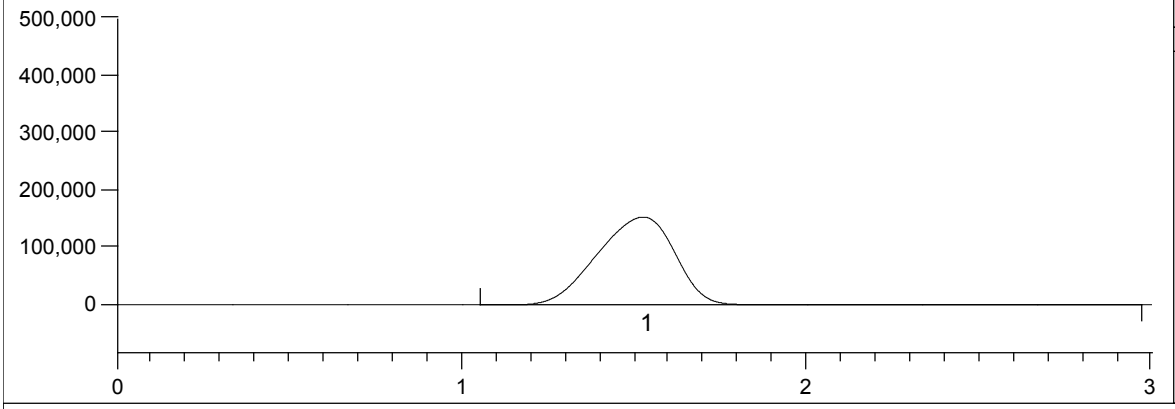
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
33		S	B121102-MSD1		1	61,106,376	7,700	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

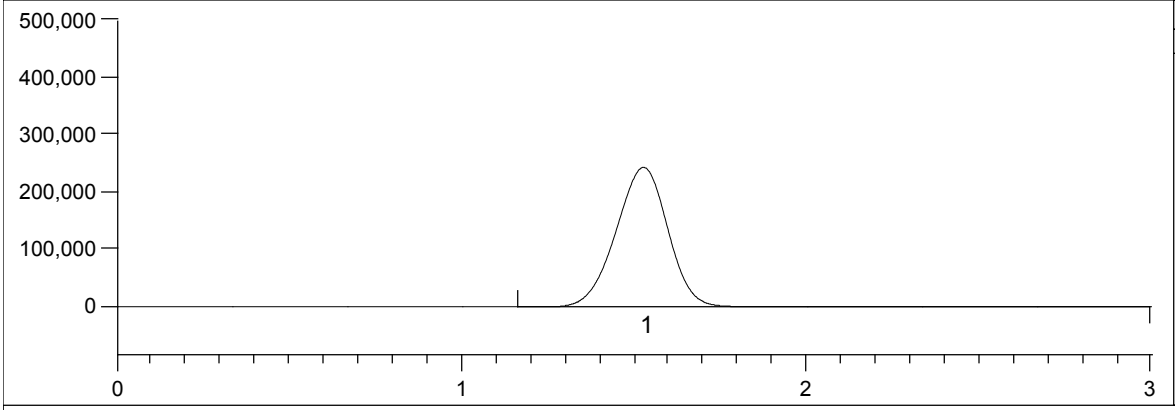
Date Analyzed: 7/11/12
Analyst Name: MLH



Date: 7/11/12
Time: 10:19 AM

Peak	rt	Area
1	1.52	24,301,349

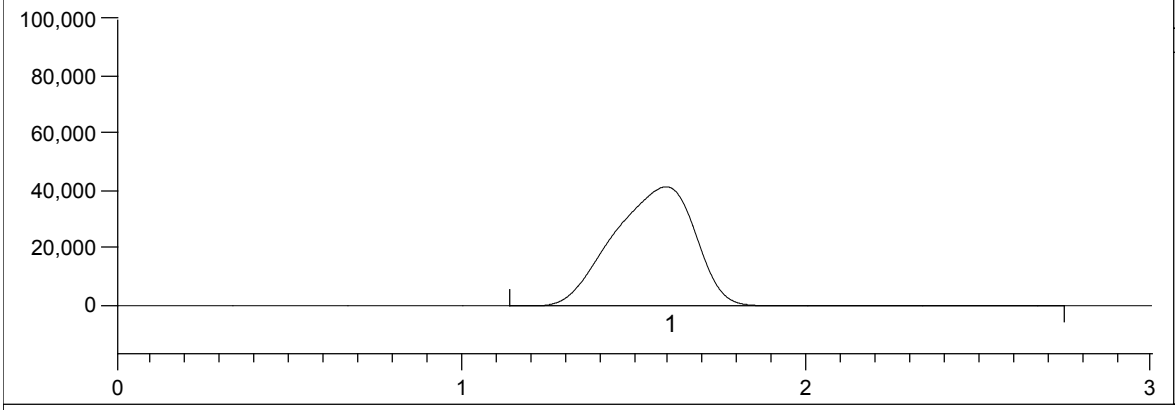
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
34		S	B121102-MS2		1	24,301,349	3,060	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 10:24 AM

Peak	rt	Area
1	1.52	25,729,186

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
35		S	B121102-MSD4		1	25,729,186	3,240	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 10:30 AM

Peak	rt	Area
1	1.59	6,961,443

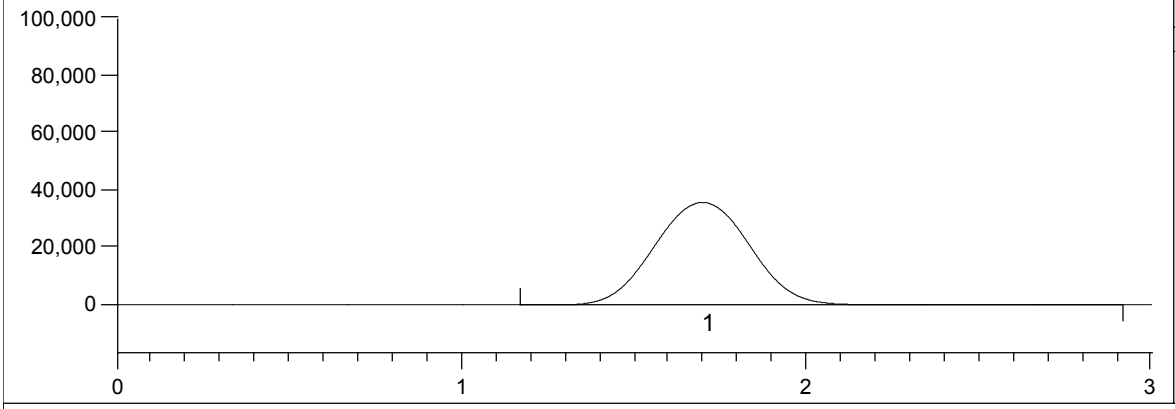
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
36		S	B121102-MS3		1	6,961,443	869	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

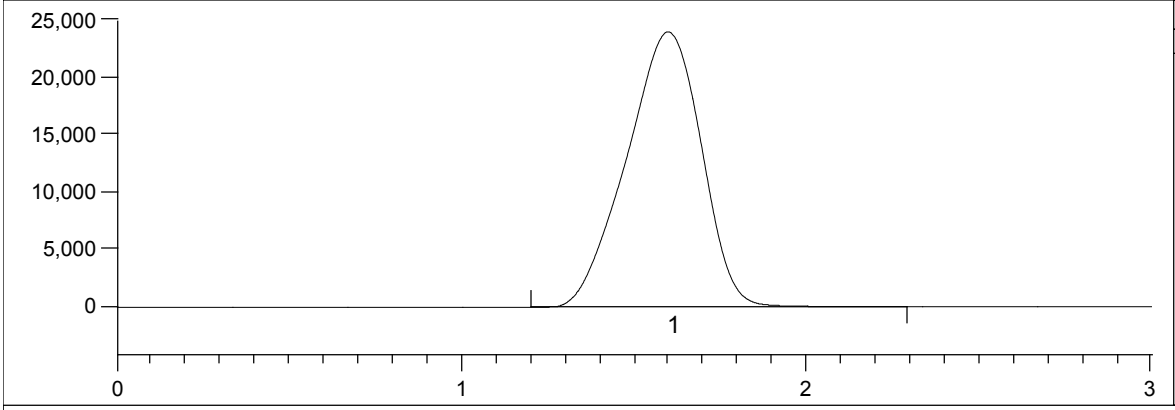
Date Analyzed: 7/11/12
Analyst Name: MLH



Date: 7/11/12
Time: 10:34 AM

Peak	rt	Area
1	1.69	6,988,346

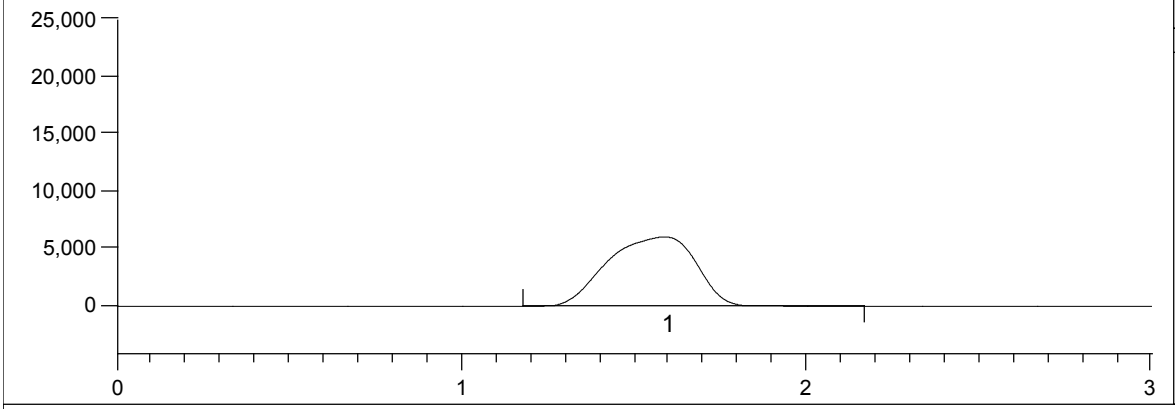
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
37		S	B121102-MSD3		1	6,988,346	872	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 10:39 AM

Peak	rt	Area
1	1.59	3,662,659

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
38		S	1226028-73RE1		1	3,662,659	452	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 10:45 AM

Peak	rt	Area
1	1.58	1,109,446

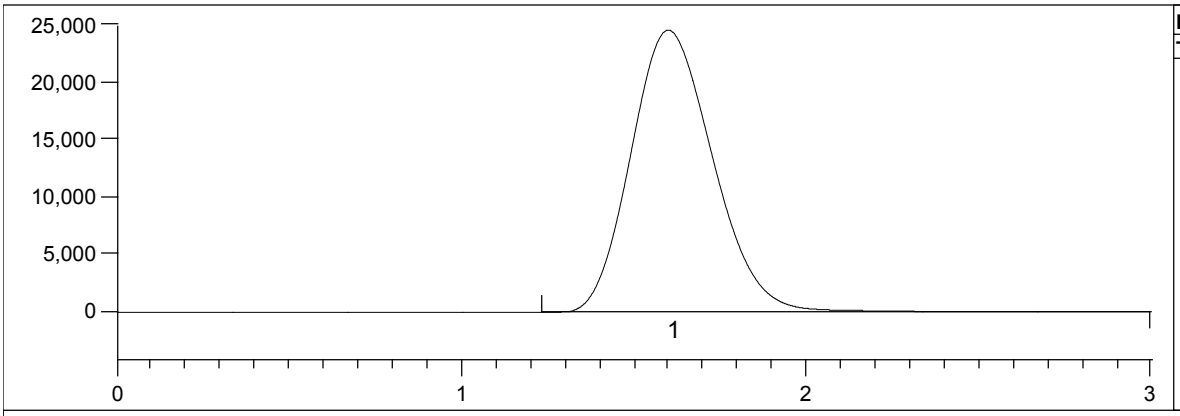
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
39		S	1225015-01RE1		1	1,109,446	130.	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

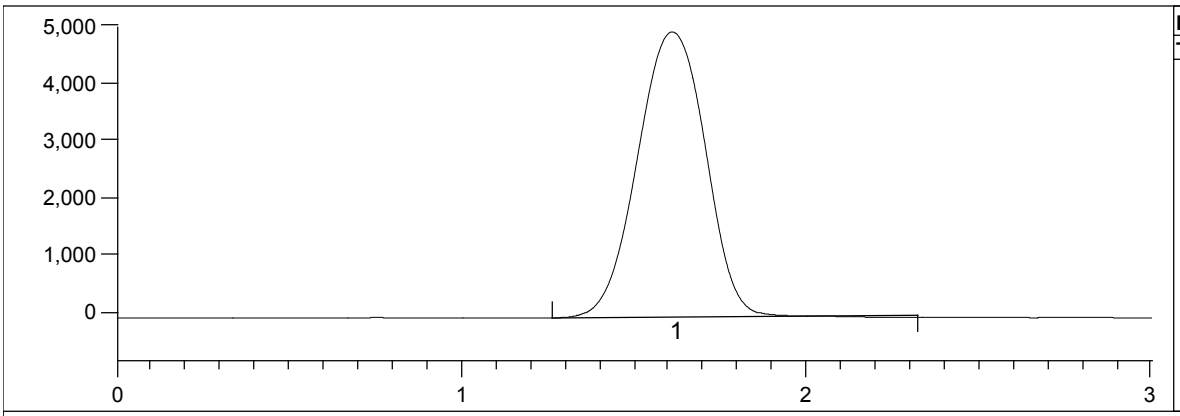
Date Analyzed: 7/11/12
Analyst Name: MLH



Date: 7/11/12
Time: 10:50 AM

Peak	rt	Area
1	1.59	4,147,221

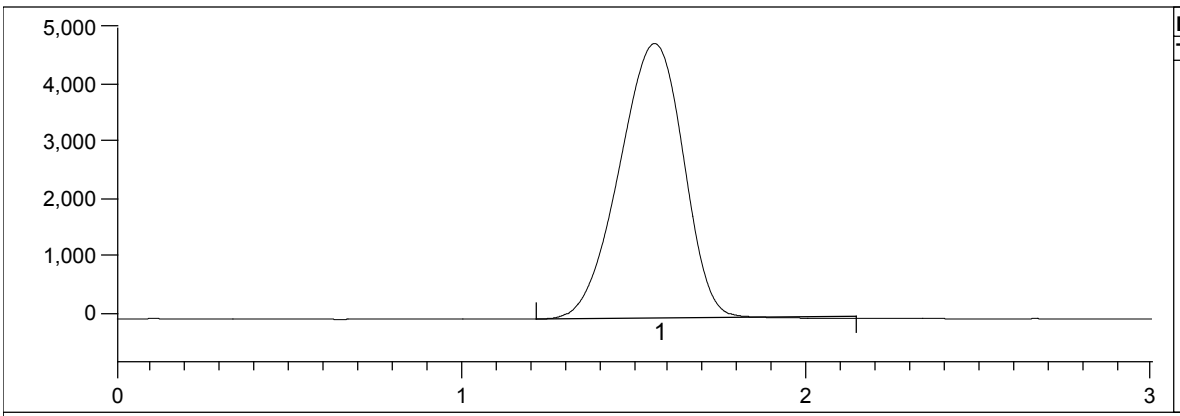
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
40		CCV	SEQ-CCV		1	4,147,221	513		103	77-123	accept
Notes											



Date: 7/11/12
Time: 10:55 AM

Peak	rt	Area
1	1.60	694,626

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
41		S	1226027-03		1	694,626	77.6	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 11:00 AM

Peak	rt	Area
1	1.56	629,982

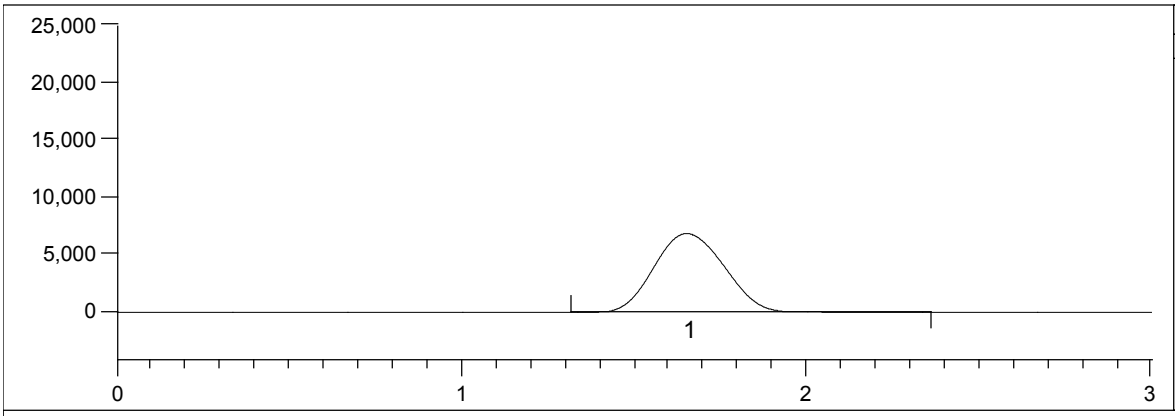
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
42		S	1226027-14		1	629,982	69.4	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

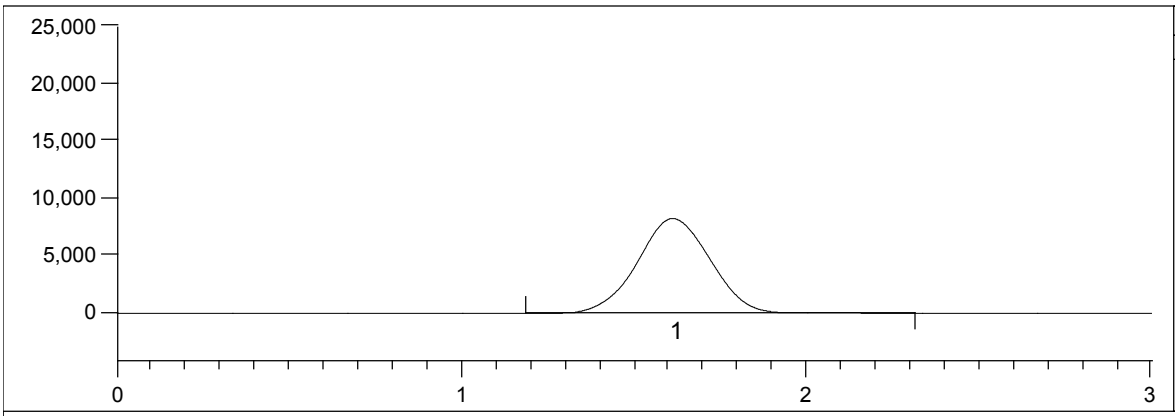
Date Analyzed: 7/11/12
Analyst Name: MLH



Date: 7/11/12
Time: 11:05 AM

Peak	rt	Area
1	1.65	1,001,964

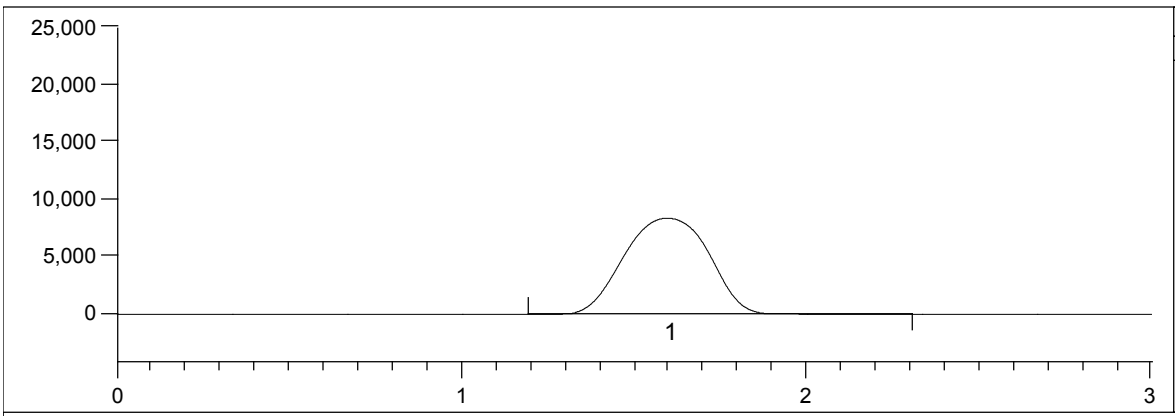
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
43		S	1226027-25		1	1,001,964	116	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 11:10 AM

Peak	rt	Area
1	1.61	1,251,647

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
44		S	1226028-03		1	1,251,647	148	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 11:13 AM

Peak	rt	Area
1	1.59	1,476,762

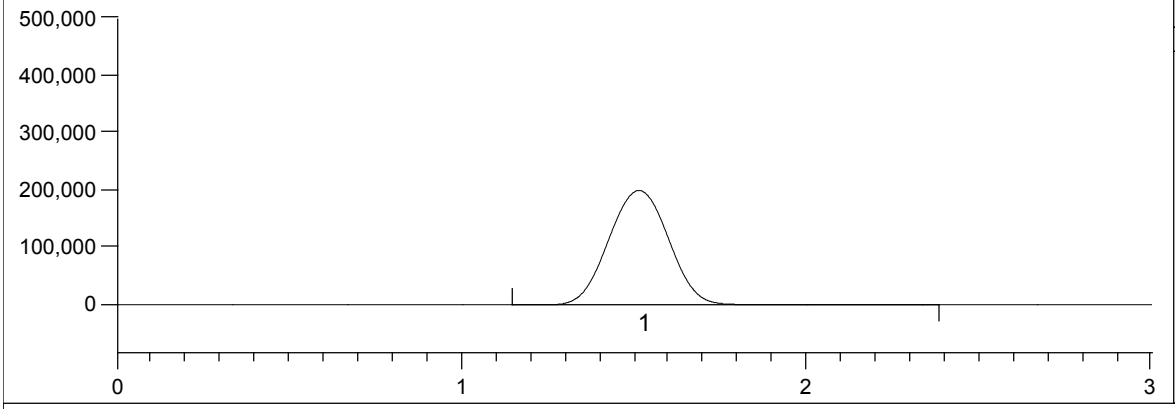
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
45		S	1226028-14		1	1,476,762	176	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

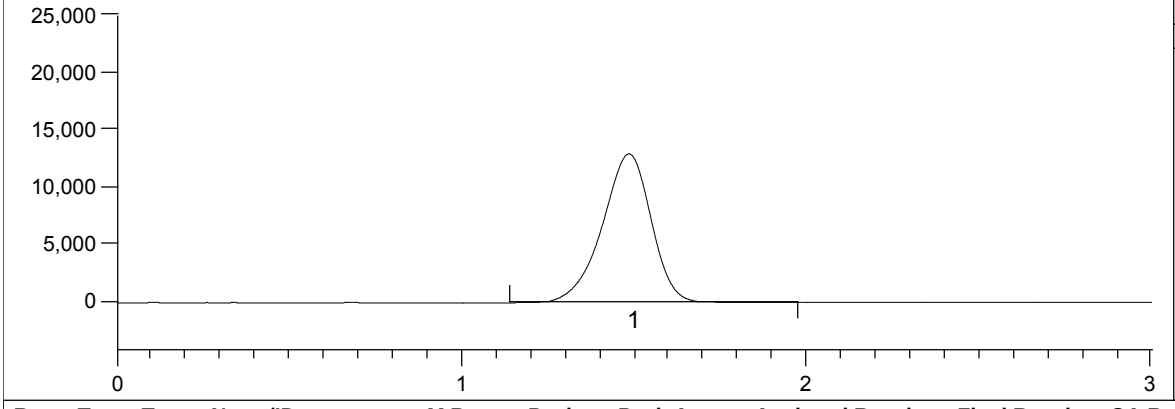
Date Analyzed: 7/11/12
Analyst Name: MLH



Date: 7/11/12
Time: 11:21 AM

Peak	rt	Area
1	1.51	24,350,015

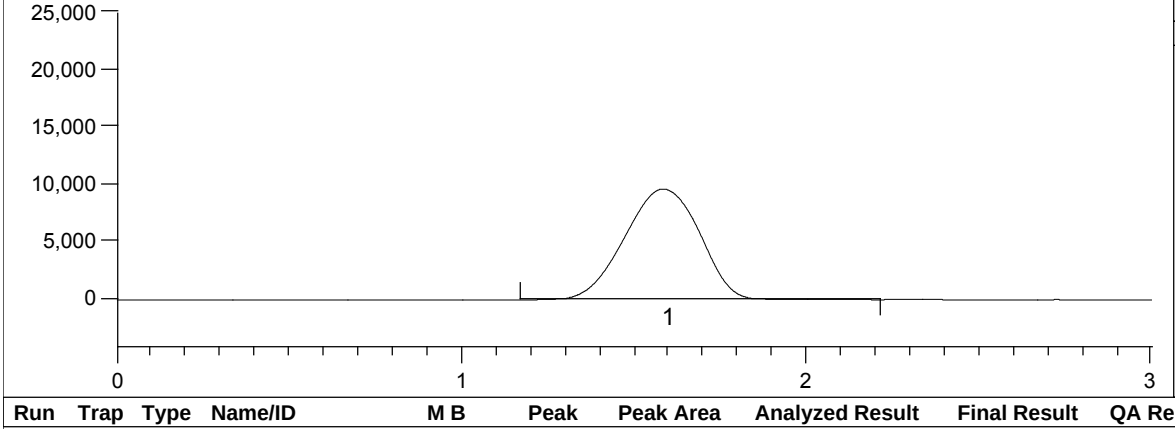
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
46		S	B121102-MSD2		1	24,350,015	3,060	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 11:26 AM

Peak	rt	Area
1	1.48	1,302,123

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
47		S	1226028-25		1	1,302,123	154	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 11:34 AM

Peak	rt	Area
1	1.58	1,489,098

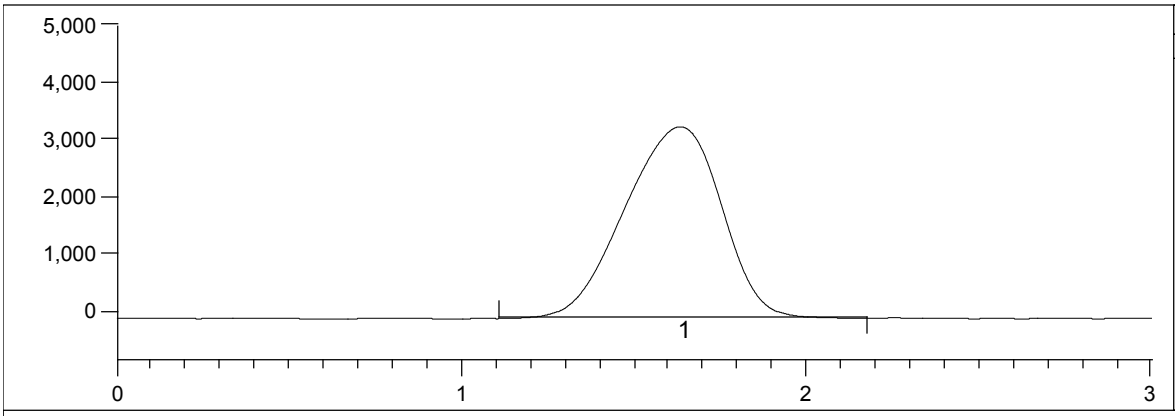
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
48		S	1226028-36		1	1,489,098	178	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

Date Analyzed: 7/11/12
Analyst Name: MLH

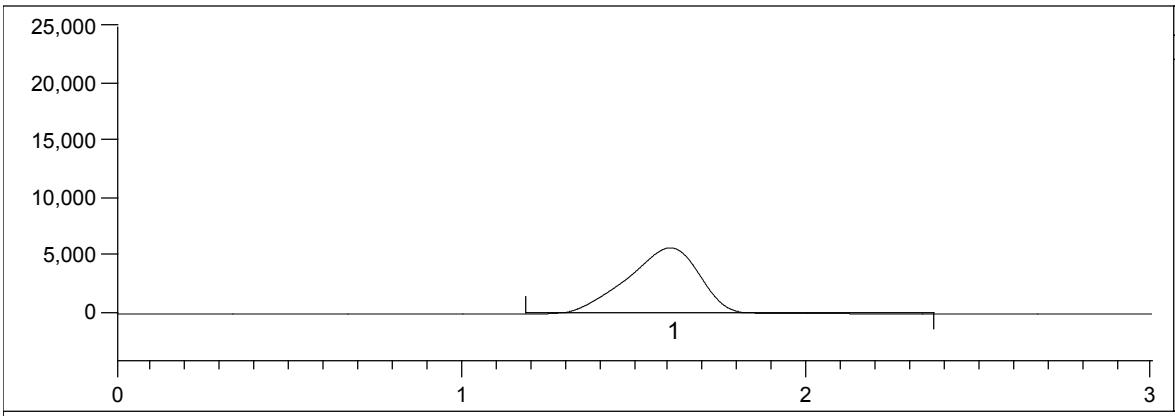


Date: 7/11/12
Time: 11:38 AM

Peak	rt	Area
1	1.63	663,015

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
49		S	1226028-47		1	663,015	73.6	0.00		< HS	accept

Notes

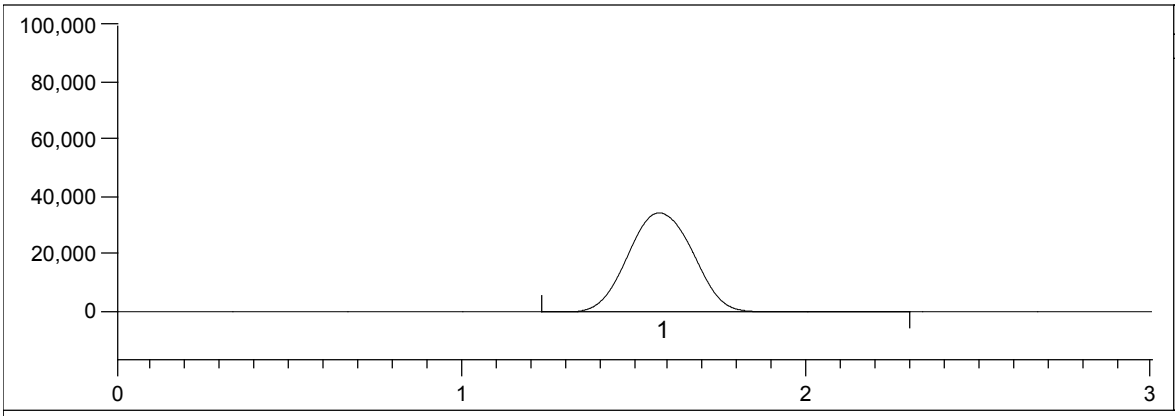


Date: 7/11/12
Time: 11:42 AM

Peak	rt	Area
1	1.60	869,738

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
50		S	1226028-58		1	869,738	99.7	0.00		< HS	accept

Notes



Date: 7/11/12
Time: 11:47 AM

Peak	rt	Area
1	1.57	4,624,585

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
51		CCV	SEQ-CCV		1	4,624,585	574		115	77-123	accept

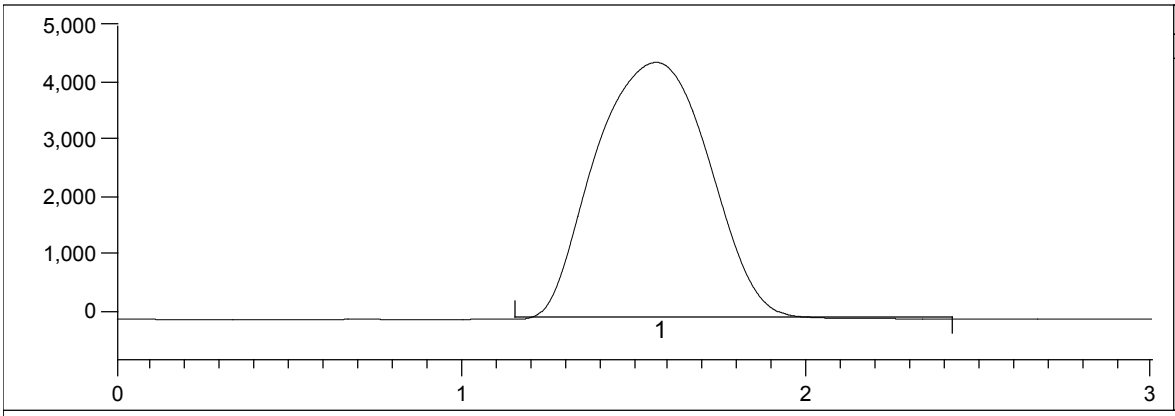
Notes

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

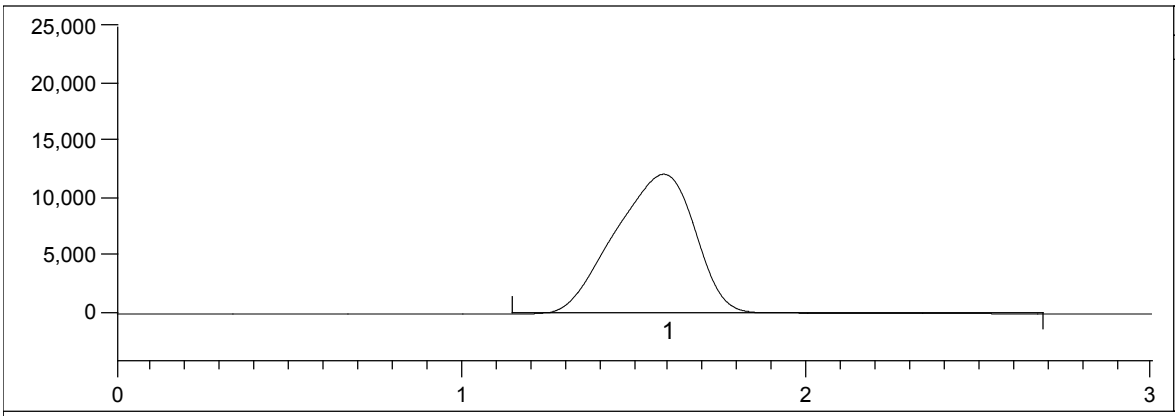
Date Analyzed: 7/11/12
Analyst Name: MLH



Date: 7/11/12
Time: 11:55 AM

Peak	rt	Area
1	1.56	1,046,692

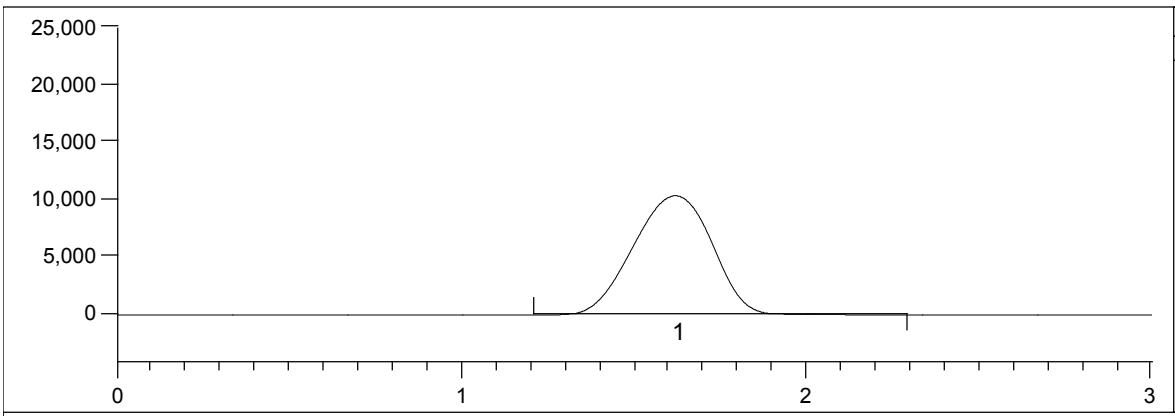
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
52		S	1225015-02		1	1,046,692	122	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 11:58 AM

Peak	rt	Area
1	1.58	2,027,920

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
53		S	1225015-12		1	2,027,920	246	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 12:02 PM

Peak	rt	Area
1	1.62	1,686,406

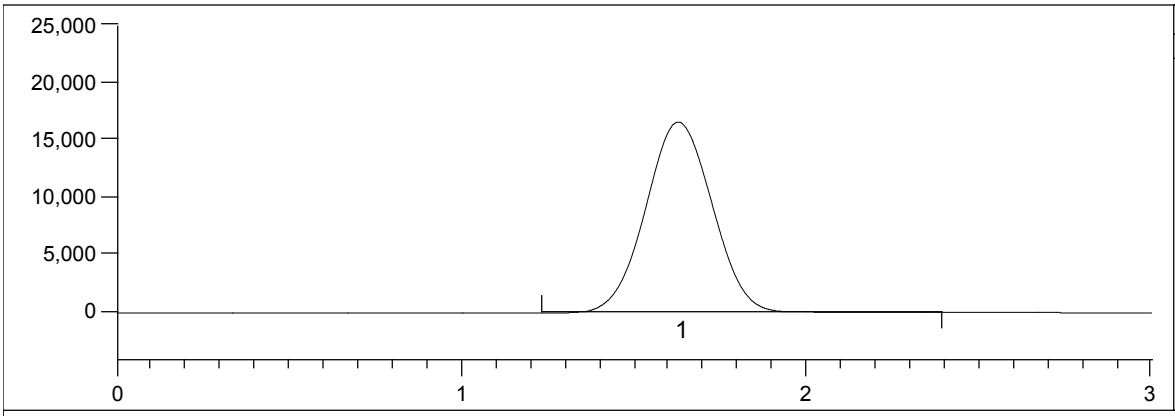
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
54		S	1225015-14		1	1,686,406	203	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

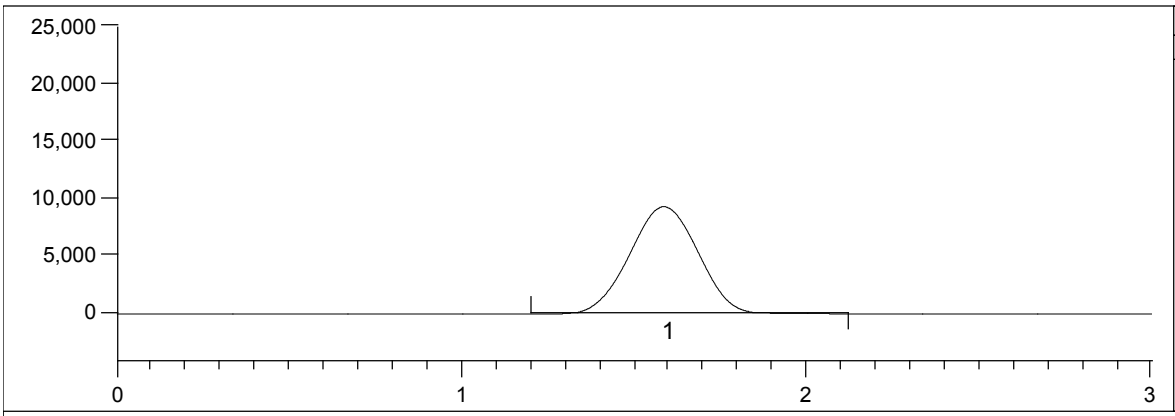
Date Analyzed: 7/11/12
Analyst Name: MLH



Date: 7/11/12
Time: 12:09 PM

Peak	rt	Area
1	1.62	2,278,417

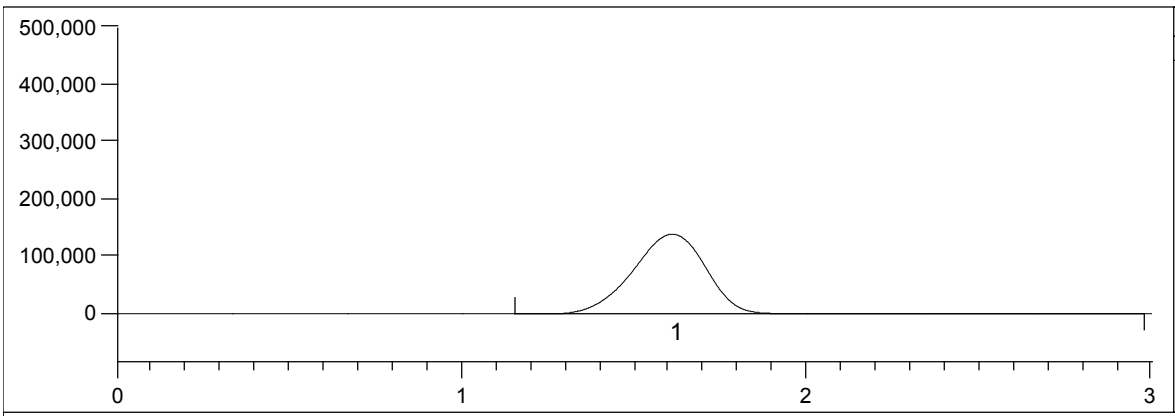
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
55		S	1225015-17		1	2,278,417	278	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 12:15 PM

Peak	rt	Area
1	1.58	1,317,640

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
56		S	1225015-19		1	1,317,640	156	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 12:19 PM

Peak	rt	Area
1	1.60	20,694,688

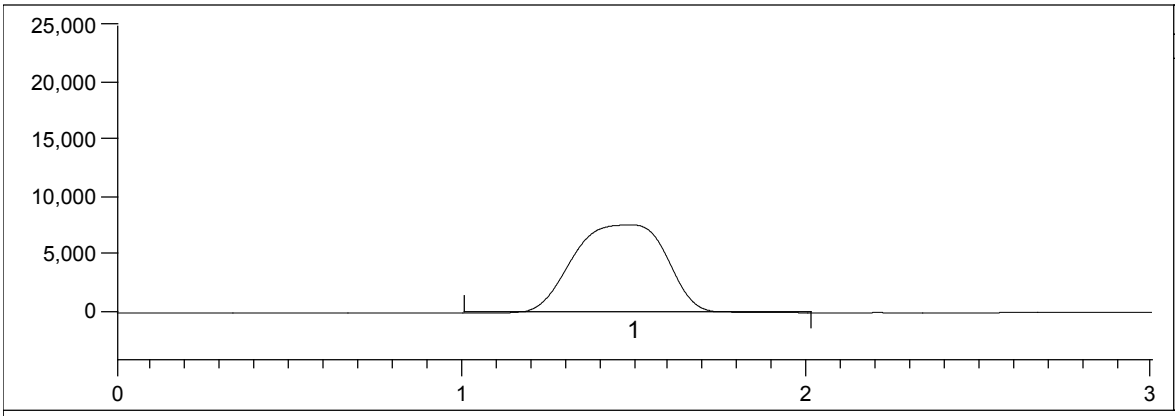
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
57		S	1225015-21		1	20,694,688	2,600	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

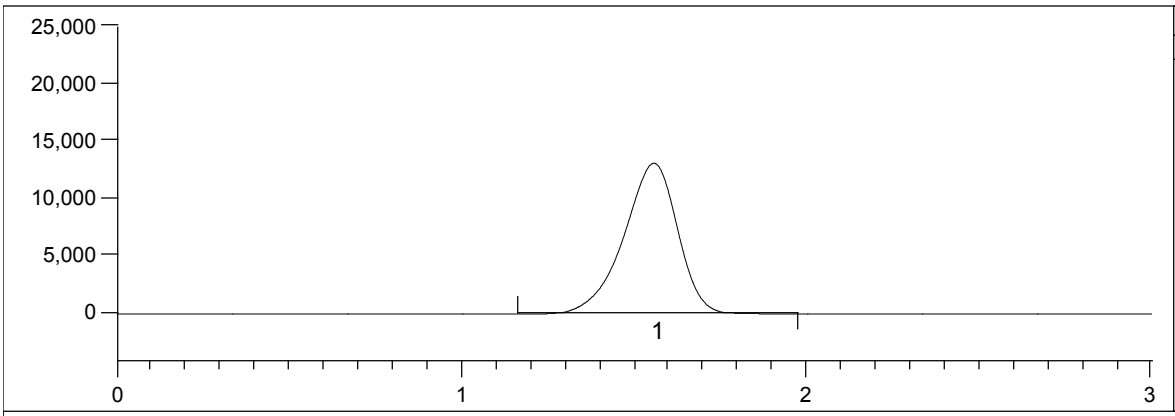
Date Analyzed: 7/11/12
Analyst Name: MLH



Date: 7/11/12
Time: 12:24 PM

Peak	rt	Area
1	1.48	1,467,346

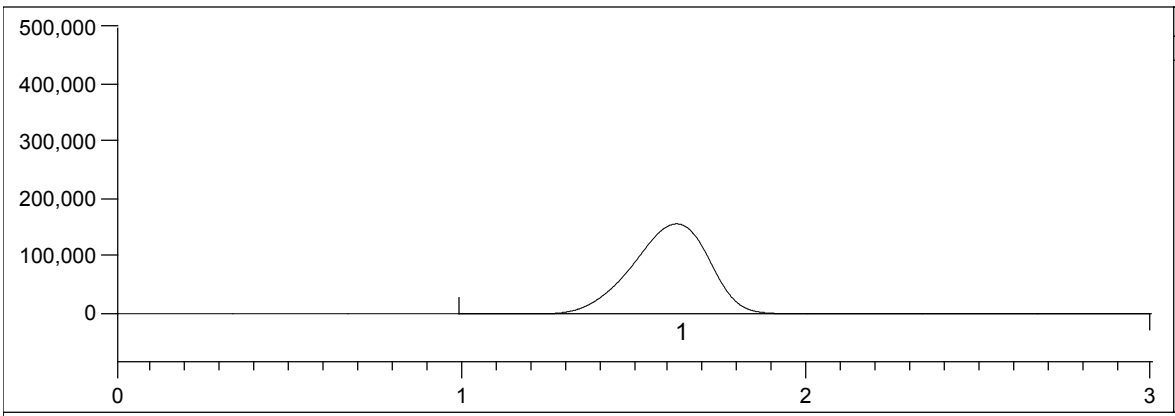
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
58		S	1225015-23		1	1,467,346	175	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 12:29 PM

Peak	rt	Area
1	1.55	1,454,140

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
59		S	1225015-24		1	1,454,140	173	0.00		< HS	accept
Notes											



Date: 7/11/12
Time: 12:33 PM

Peak	rt	Area
1	1.62	24,789,198

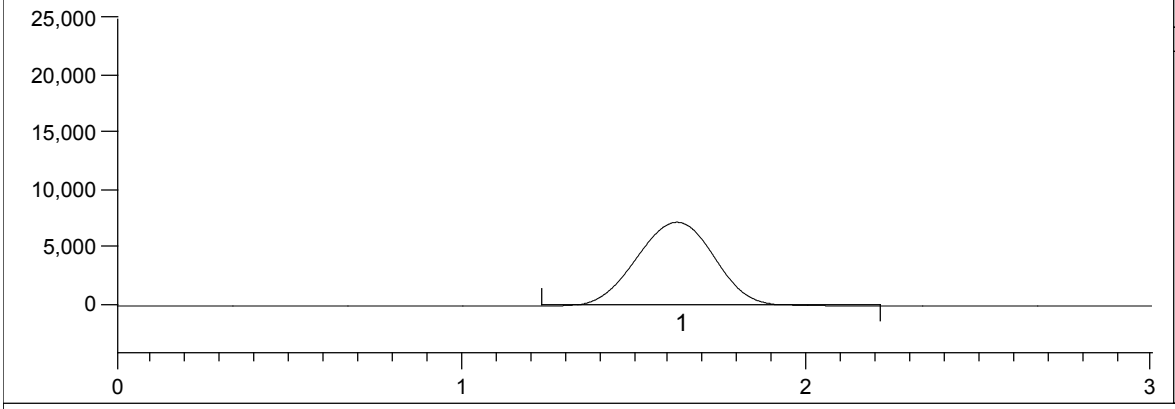
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
60		S	1225015-25		1	24,789,198	3,120	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

Date Analyzed: 7/11/12
Analyst Name: MLH

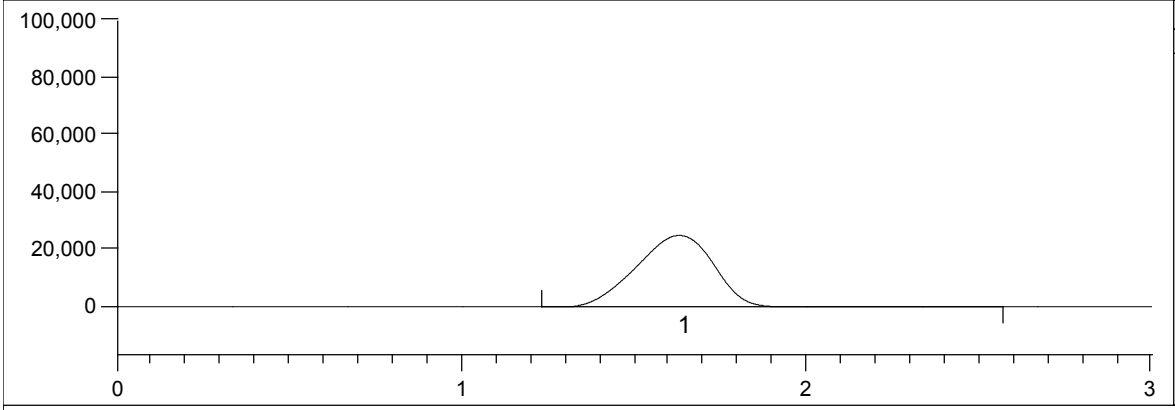


Date: 7/11/12
Time: 12:37 PM

Peak	rt	Area
1	1.62	1,180,698

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
61		S	1225015-26		1	1,180,698	139	0.00		< HS	accept

Notes

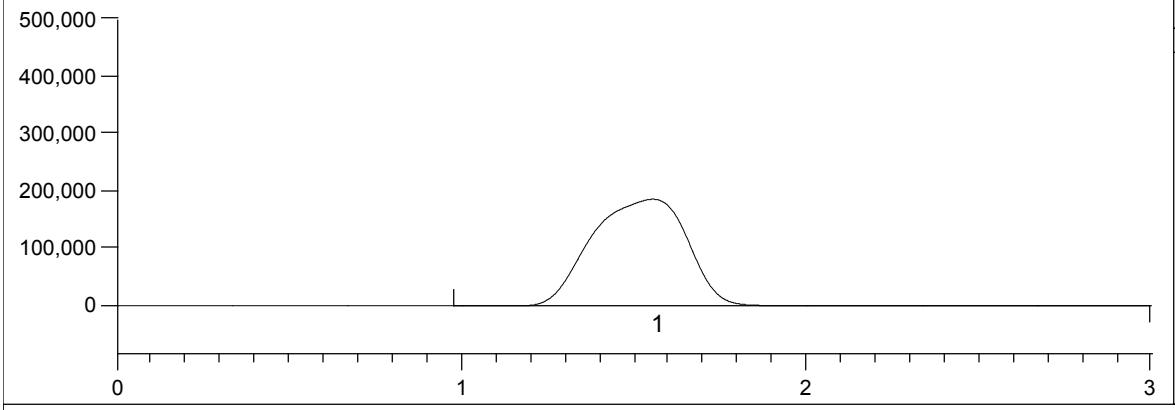


Date: 7/11/12
Time: 12:44 PM

Peak	rt	Area
1	1.62	3,977,605

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
62		CCV	SEQ-CCV		1	3,977,605	492		98.4	77-123	accept

Notes



Date: 7/11/12
Time: 12:48 PM

Peak	rt	Area
1	1.55	36,291,576

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
63		S	1225015-27		1	36,291,576	4,570	0.00		< HS	accept

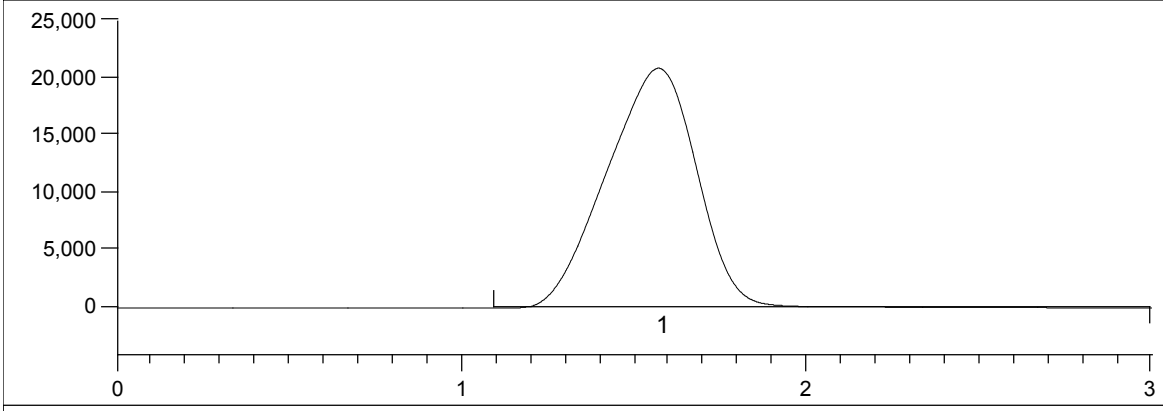
Notes

Peak Report

Batch Number: B121102
Method Number: CVAFS BR-0006

Project Number(s): 1200522
Instrument ID: THG-05

Date Analyzed: 7/11/12
Analyst Name: MLH



Date: 7/11/12
Time: 12:52 PM

Peak	rt	Area
1	1.57	3,897,031

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
64		CCV	SEQ-CCV		1	3,897,031	482		96.4	77-123	accept

Notes

ANALYSIS SEQUENCE

1200502

Brooks Rand Labs

Instrument: THG-06(MerxT)

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200502-IBL1	1200502	QC	1		-			
1200502-IBL2	1200502	QC	2		-			
1200502-IBL3	1200502	QC	3		-			
1200502-IBL4	1200502	QC	4		-			
1200502-CAL1	1200502	QC	5	1225046	-			
1200502-CAL2	1200502	QC	6	1225047	-			
1200502-CAL3	1200502	QC	7	1225048	-			
1200502-CAL4	1200502	QC	8	1225049	-			
1200502-CAL5	1200502	QC	9	1225050	-			
1200502-CAL6	1200502	QC	10	1225051	-			
1200502-ICV1	1200502	QC	11	1225053	-			
1200502-CCB1	1200502	QC	12		-			
1200502-CCV1	1200502	QC	13	1225052	-			
1200502-CCB2	1200502	QC	14		-			
1200502-CCB3	1200502	QC	15		-			
1200502-CCB4	1200502	QC	16		-			
1200502-CCV2	1200502	QC	17	1225052	-			
1200502-CCB5	1200502	QC	18		-			
B121104-SRM1	B121104	QC	19		-			
B121104-BLK1	B121104	QC	20		-			
B121104-BLK2	B121104	QC	21		-			
B121104-BLK3	B121104	QC	22		-			
1200502-CCV3	1200502	QC	23	1225052	-			
1200502-CCB6	1200502	QC	24		-			
B121104-BLK4	B121104	QC	25		-			
1225015-03	B121104	Hg-B-70:30-MERX-CVAFS	26			UDE-SL1201	8/2/2012	

ANALYSIS SEQUENCE

1200502

Brooks Rand Labs

Instrument: THG-06(MerxT)

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1225015-04	B121104	Hg-B-70:30-MERX-CVAFS	27			UDE-SL1201	8/2/2012	
1225015-05	B121104	Hg-B-70:30-MERX-CVAFS	28			UDE-SL1201	8/2/2012	
B121104-DUP1	B121104	QC	29		1225015-05			
B121104-MS1	B121104	QC	30		1225015-05			
B121104-MSD1	B121104	QC	31		1225015-05			
1225015-06	B121104	Hg-B-70:30-MERX-CVAFS	32			UDE-SL1201	8/2/2012	
1225015-07	B121104	Hg-B-70:30-MERX-CVAFS	33			UDE-SL1201	8/2/2012	
1225015-08	B121104	Hg-B-70:30-MERX-CVAFS	34			UDE-SL1201	8/2/2012	
1200502-CCV4	1200502	QC	35	1225052	-			
1200502-CCB7	1200502	QC	36		-			
1225015-09	B121104	Hg-B-70:30-MERX-CVAFS	37			UDE-SL1201	8/2/2012	
1225015-10	B121104	Hg-B-70:30-MERX-CVAFS	38			UDE-SL1201	8/2/2012	
1225015-15	B121104	Hg-B-70:30-MERX-CVAFS	39			UDE-SL1201	8/2/2012	
1200502-CCV5	1200502	QC	40	1225052	-			
1200502-CCB8	1200502	QC	41		-			
B121095-BLK1	B121095	QC	42		-			
B121095-BLK2	B121095	QC	43		-			
B121095-BLK3	B121095	QC	44		-			
B121095-BLK4	B121095	QC	45		-			
B121095-SRM1	B121095	QC	46		-			
B121095-SRM2	B121095	QC	47		-			
1224038-01	B121095	Hg-S-AR-NoMB-MERX-CVAFS	48			AAL-MN1101	7/16/2012	
1224038-02	B121095	Hg-S-AR-NoMB-MERX-CVAFS	49			AAL-MN1101	7/16/2012	
1224038-03	B121095	Hg-S-AR-NoMB-MERX-CVAFS	50			AAL-MN1101	7/16/2012	
1224038-04	B121095	Hg-S-AR-NoMB-MERX-CVAFS	51			AAL-MN1101	7/16/2012	
1200502-CCV6	1200502	QC	52	1225052	-			

ANALYSIS SEQUENCE

1200502

Brooks Rand Labs

Instrument: THG-06(MerxT)

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200502-CCB9	1200502	QC	53		-			
B121095-DUP1	B121095	QC	54		1224038-04			
B121095-MS1	B121095	QC	55		1224038-04			
B121095-MSD1	B121095	QC	56		1224038-04			
1224038-05	B121095	Hg-S-AR-NoMB-MERX-CVAFS	57			AAL-MN1101	7/16/2012	
1224038-06	B121095	Hg-S-AR-NoMB-MERX-CVAFS	58			AAL-MN1101	7/16/2012	
1224038-07	B121095	Hg-S-AR-NoMB-MERX-CVAFS	59			AAL-MN1101	7/16/2012	
1224038-09	B121095	Hg-S-AR-NoMB-MERX-CVAFS	60			AAL-MN1101	7/16/2012	
1224038-10	B121095	Hg-S-AR-NoMB-MERX-CVAFS	61			AAL-MN1101	7/16/2012	
1224038-11	B121095	Hg-S-AR-NoMB-MERX-CVAFS	62			AAL-MN1101	7/16/2012	
B121095-DUP2	B121095	QC	63		1224038-11			
1200502-CCV7	1200502	QC	64	1225052	-			
1200502-CCBA	1200502	QC	65		-			
B121095-MS2	B121095	QC	66		1224038-11			
B121095-MSD2	B121095	QC	67		1224038-11			
1224038-12	B121095	Hg-S-AR-NoMB-MERX-CVAFS	68			AAL-MN1101	7/16/2012	
1224038-13	B121095	Hg-S-AR-NoMB-MERX-CVAFS	69			AAL-MN1101	7/16/2012	
1224038-14	B121095	Hg-S-AR-NoMB-MERX-CVAFS	70			AAL-MN1101	7/16/2012	
1225011-01	B121095	Hg-S-AR-NoMB-MERX-CVAFS	71			AAL-MN1101	7/23/2012	
1225011-02	B121095	Hg-S-AR-NoMB-MERX-CVAFS	72			AAL-MN1101	7/23/2012	
1225011-03	B121095	Hg-S-AR-NoMB-MERX-CVAFS	73			AAL-MN1101	7/23/2012	
1225011-04	B121095	Hg-S-AR-NoMB-MERX-CVAFS	74			AAL-MN1101	7/23/2012	
1200502-CCV8	1200502	QC	75	1225052	-			
1200502-CCBB	1200502	QC	76		-			
1225011-05	B121095	Hg-S-AR-NoMB-MERX-CVAFS	77			AAL-MN1101	7/23/2012	
1225011-06	B121095	Hg-S-AR-NoMB-MERX-CVAFS	78			AAL-MN1101	7/23/2012	

ANALYSIS SEQUENCE

1200502

Brooks Rand Labs

Instrument: THG-06(MerxT)

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1225011-07	B121095	Hg-S-AR-NoMB-MERX-CVAFS	79			AAL-MN1101	7/23/2012	
B121095-DUP3	B121095	QC	80		1225011-07			
B121095-MS3	B121095	QC	81		1225011-07			
B121095-MSD3	B121095	QC	82		1225011-07			
1225011-08	B121095	Hg-S-AR-NoMB-MERX-CVAFS	83			AAL-MN1101	7/23/2012	
1225011-09	B121095	Hg-S-AR-NoMB-MERX-CVAFS	84			AAL-MN1101	7/23/2012	
1225011-10	B121095	Hg-S-AR-NoMB-MERX-CVAFS	85			AAL-MN1101	7/23/2012	
1225011-11	B121095	Hg-S-AR-NoMB-MERX-CVAFS	86			AAL-MN1101	7/23/2012	
1200502-CCV9	1200502	QC	87	1225052	-			
1200502-CCBC	1200502	QC	88		-			
1225011-12	B121095	Hg-S-AR-NoMB-MERX-CVAFS	89			AAL-MN1101	7/23/2012	
1225011-13	B121095	Hg-S-AR-NoMB-MERX-CVAFS	90			AAL-MN1101	7/23/2012	
B121095-DUP4	B121095	QC	91		1225011-13			
B121095-MS4	B121095	QC	92		1225011-13			
B121095-MSD4	B121095	QC	93		1225011-13			
1225011-14	B121095	Hg-S-AR-NoMB-MERX-CVAFS	94			AAL-MN1101	7/23/2012	
1225011-15	B121095	Hg-S-AR-NoMB-MERX-CVAFS	95			AAL-MN1101	7/23/2012	
1225011-16	B121095	Hg-S-AR-NoMB-MERX-CVAFS	96			AAL-MN1101	7/23/2012	
1225011-17	B121095	Hg-S-AR-NoMB-MERX-CVAFS	97			AAL-MN1101	7/23/2012	
1225011-18	B121095	Hg-S-AR-NoMB-MERX-CVAFS	98			AAL-MN1101	7/23/2012	
1200502-CCVA	1200502	QC	99	1225052	-			
1200502-CCBD	1200502	QC	100		-			
1200502-ICB1	1200502	QC	101		-			
B120988-SRM4	B120988	QC	102		-			
1222016-14RE1	B120988	Hg-S-AR-NoMB-MERX-CVAFS	103			AAL-MN1101	7/3/2012	Added 7/5/2012 by BJT
1200502-CCVB	1200502	QC	104	1225052	-			

ANALYSIS SEQUENCE

1200502

Brooks Rand Labs

Instrument: THG-06(MerxT)

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200502-CCBE	1200502	QC	105		-			
1200502-ICV2	1200502	QC	106	1225053	-			
1200502-CCVC	1200502	QC	107	1225052	-			
1200502-CCBF	1200502	QC	108		-			
1225011-07RE1	B121095	Hg-S-AR-NoMB-MERX-CVAFS	109			AAL-MN1101	7/23/2012	Added 7/5/2012 by BJT
B121095-DUP5	B121095	QC	110		1225011-07RE1			
1225011-16RE1	B121095	Hg-S-AR-NoMB-MERX-CVAFS	111			AAL-MN1101	7/23/2012	Added 7/5/2012 by BJT
1200502-CCVD	1200502	QC	112	1225052	-			
1200502-CCBG	1200502	QC	113		-			
1200502-CCVE	1200502	QC	114	1225052	-			
1200502-CCBH	1200502	QC	115		-			
1224038-14RE1	B121095	Hg-S-AR-NoMB-MERX-CVAFS	116			AAL-MN1101	7/16/2012	Added 7/5/2012 by BJT
1225011-05RE1	B121095	Hg-S-AR-NoMB-MERX-CVAFS	117			AAL-MN1101	7/23/2012	Added 7/5/2012 by BJT
1225015-05RE1	B121104	Hg-B-70:30-MERX-CVAFS	118			UDE-SL1201	8/2/2012	Added 7/5/2012 by BJT
B121104-DUP2	B121104	QC	119		1225015-05RE1			
1200502-CCVF	1200502	QC	120	1225052	-			
1200502-CCBI	1200502	QC	121		-			

Hg Analysis Sheet : ~~T-Hg~~ MERX-T:

Sequence: 1200502 Batch(es): B121 low, 121095, 120988

Analyst: TE Date: 7/3/12 Instrument ID: THg-06

10ng/mL std ID: 1225022 1ng/mL std ID: 1225021 ICV std ID: 1225023

$NH_2OH \cdot HCl$ #: 1226036 $SnCl_2$ #: 1225027

Initial offset: 10,297 Initial PMT: 497

	Run #/ Pos #	Brooks Rand Sample ID	Analy. Vol. (mL)	Dilution Factor	Analysis comments / For spiked QC: Source sample, standard ID, and spiked volume (mL)
	1	Rinse	---		
	2	Rinse	---		
	3	SEQ-IBL1	---		
	4	SEQ-IBL2	---		
	5	SEQ-IBL3	---		
	6	SEQ-IBL4	---		
	7	SEQ-CAL1	0.010		1ng/mL
	8	SEQ-CAL2	0.025		1ng/mL
	9	SEQ-CAL3	0.100		1ng/mL
	10	SEQ-CAL4	0.050		10ng/mL
	11	SEQ-CAL5	0.250		10ng/mL
	12	SEQ-CAL6	1.000		10ng/mL
	13	SEQ-ICV1	1.000		NIST 1641d
	14	SEQ-CCB	---		
	15	SEQ-CCV	0.050		10ng/mL
	16	SEQ-CCB	---		
	17	SEQ-CCB	---		
	18	SEQ-CCB	---		
	19	BrcIA 1227050	25.03		
	20	1 B 1	25.19		
	21	A 1227051	25.03		
	22	1 B 1	25.29		
	23	FR BLK 1	1.0		
	24	1 2	1		

Comments:

Balance ID:

SOP(s) / Rev#(s): 0002-0102

Hg Analysis Sheet (T-Hg) / Other: ____

Sequence: 120502 Analyst: TC Date: 7/4/12

	Run #/ Pos #	Brooks Rand Sample ID	Analy. Vol. (mL)	Dilution Factor	Analysis comments / For spiked QC: Source sample, standard ID, and spiked volume (mL)
	25	FRBIK3	1.0		
	26	BIK4			
	27	BS1			
	28	BS2			
	29	CCV	0.05		10ng/ml
	30	CCB	–		
	31	Del: BIK1	1.0		
	32	2			
	33	3			
	34	4			
	35	BS1			
	36	BS2			
	37	B121104-SRM1			
	38	B121104-BIK1			
	39	-BIK2			
	40	-BIK3			
	41	CCV	0.05		10ng/ml
	42	CCB	–		
	43	B121104-BIK4	1.0		
	44	1225015-03 TE 7/4/12	~~0.05~~ TE 1.0		
	45	-04			
	46	-05			
	47	B121104-DUP1			
	48	L -MS1			

Comments: ____

Sequence: 1200502 Analyst: TE Date: 7/4/12

	Run #/ Pos #	Brooks Rand Sample ID	Analy. Vol. (mL)	Dilution Factor	Analysis comments / For spiked QC: Source sample, standard ID, and spiked volume (mL)
	49	B121104-MSD1	TE 7/3/12 ~~0.025~~ 1.0		
	50	1225015-06	TE 7/4/12 ~~0.05~~ 1.0		
	51	-07			
	52	-08			
	53	CCV ~~-09~~ TE 7/4/12	0.05		10ng/ml
	54	CCB ~~-10~~			
	55	~~B121~~ TE 7/4/12 1225015-09	1.0		
	56	-10			
	57	-15			
	58	CCV ~~TE~~ 7/4/12	0.05		10ng/ml
*	59	B121095-BLK1 TE 7/4	1.0		
60	60	-BLK2			
61	61	-BLK3			
62	62	-BLK4			
63	63	-SRM1			
64	64	-SRM2			
65	65	1224038-01	0.025		
66	66	-02			
67	67	-03			
68	68	~~-05~~ TE 7/4/12 04			
69	69	CCV	0.05		10ng/ml
70	70	CCB	—		
71	71	B121095-DUP1	0.025		
72	72	-MS1			

Comments: CCB at run 59

SOP(s) / Rev#(s): 0002-010d BRL Report 1225015

Hg Analysis Sheet : T-Hg / Other: Page 4 of 6

Sequence: 1200502 Analyst: TE Date: 7/4/12

	Run #/ Pos #	Brooks Rand Sample ID	Analy. Vol. (mL)	Dilution Factor	Analysis comments / For spiked QC: Source sample, standard ID, and spiked volume (mL)
74	73	B121095-MS01	0.025		
75	74	1224038-05	0.05		
76	75	-06			
77	76	-07			
78	77	-08			
79	78	-09			
80	79	-10			
81	80	-11			
82	81	B121095-CCV	0.05		10ng/ml
83	82	CCB	~		
	83	~~B121095-DUP2~~	~~0.05~~		
84	84	B121095-MS2	0.05		
85	85	-MSD2			
86	86	1224038-12			
87	87	-13			
88	88	-14			
89	89	1225011-01			
90	90	-02			
91	91	-03			
92	92	-04			
93	93	CCV	0.05		10ng/ml
94	94	CCB	~		
95	95	1225011-05	0.05		
96	96	-06			

Comments:

SOP(s) / Rev#(s): 0002-0104 ~~BRL Report 1225015~~

Hg Analysis Sheet : T-Hg / Other: ____ Page 5 of 6

Sequence: 1200502 Analyst: TE Date: 7/14/12

	Run #/ Pos #	Brooks Rand Sample ID	Analy. Vol. (mL)	Dilution Factor	Analysis comments / For spiked QC: Source sample, standard ID, and spiked volume (mL)
97	97	1225011-07	0.05		
98	98	B121095-DUP3			
99	99	-MS3			
100	100	-MSD3			
101	101	1225011-08			
102	102	-09			
103	103	-10			
104	104	-11			
105	105	CCV	0.05		10ng/ml
106	106	CCB	—		
107	107	1225011-12	0.05		
108	108	-13			
109	109	B121095-DUP4			
110	110	-MS4			
111	111	-MSD4			
112	112	1225011-14			
113	113	-15			
114	114	-16			
115	115	-17			
116	116	-18			
117	117	CCV	0.05		10ng/ml
118	118	CCB			
119		HCL Blank	5.0		
	120	SeqICB	1.0		BLK2 (B120988)
	121	B120988-SRM3			SRM2 (B120488)
	122	1222016-14RE1			
	123	CCV	0.05		10ng/ml

rerun because J flag was missed in original reruns

Comments: 124 CCB

Hg Analysis Sheet : T-Hg / Other: Page 6 of 6

Sequence: 1200502 Analyst: BT Date: 7/5/12

	Run #/ Pos #	Brooks Rand Sample ID	Analy. Vol. (mL)	Dilution Factor	Analysis comments / For spiked QC: Source sample, standard ID, and spiked volume (mL)
	125	RINSE			
	126	↓			
	127				
	128				
	129				
	130				
	131	ICV	1.00		
	132	CCV	0.050		10ng/mL
	133	CCB			
	134	1225011-07RE1	1.00		
	135	B121095 DUP5	↓		RE of DUP3
	136	1225011-16RE1	↓		
	137	CCV	0.050		10ng/mL
	138	CCB			
	139	RINSE			
	140	↓			
	141	↓			
	142	CCV	0.050		10ng/mL
	143	CCB			
	144	1224038-14RE1	1.00		
	145	1225011-05RE1	↓		
	146	1225015-05RE1	↓		
	147	B121104 DUP2	↓		
	148	CCV	0.050		10ng/mL
	149	CCB			

Comments:

Brooks Rand Labs

THg Biota Prep Benchsheet

SOP / Revision #: BR-0002 Rev 01.00

Prepped By: BJT Batch: B121104

Preparation Start Date/Time*: 7/2/12 1652 Preparation End Date/Time**: 7·3·12 / 1125

* Time is when the first reagents are added. ** Time is when the last sample is brought upto volume

Sample ID	Sample Mass (g)
FR BLK 1	1.050
2	1.094
3	1.032
4	0.942
BS1	1.081
BS2	0.991
Deli BLK 1	0.922
BLK 2	0.9165
3	1.071
4	0.948
BS1	1.004
BS2	1.008
B121104-SRM1	0.210

cmc 7/9/12

Sample ID	Sample Mass (g)
(*) 1225015-03	1.019
-04	1.181
-05	1.130
-06	1.201
-07	1.172
-08	1.300
-09	1.099
-10	1.266
-15	1.142
B121104 BLK 1	—
BLK 2	—
BLK 3	—
BLK 4	—
(*) DUP1	1.354
MS1	1.031
MSD1	1.397

cmc 7/9/12

9-cmc 7/9/12

Sample ID	Sample Mass (g)

cmc 7/9/12

Batch QC ID	Sample Source	Spike vol (uL)	Spike conc (ng/mL)	Spike/CRM ID	Spike Witness
QCSet 1	↑	7.2	12 AM		↑
DUP/MS/MSD1	1225015-05	350	1,000	1144074	↑
BS FR & Deli	NA	40	10	1225022	↓
			cmc 7/9/12		
SRM1 & 2	DORM3	–	–	1219049	–

Target Temp/Time 1: 70 C/1 hour

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

Temp/Time 1 (measured / corrected): 70 / 72

Temp/Time 2 (measured / corrected): 90 / 92

need to share therm. w/ arn

Balance ID: BL-06

Thermometer ID: Prep BK02

Final Dilution Vol: 40mL

Reagent	ID
7 mL HNO_3	1218046
3 mL H_2SO_4	1205076
0.5 mL BrCl	1223022

Comments:

FR = Free range organic, plastic wrap

(*) Muscs in samples need to get homogenous aliquot.

Brooks Rand Labs

THg Sed/Soil Prep Benchsheet

SOP / Rev #: BR-0002 Rev 010d

Prepped By: AAP Batch: B121095

Preparation Start Date/Time*: 6.29.12/1450 Preparation End Date/Time**: 7.2.12/1359

* Time is when the first reagents are added.

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

	Sample ID	Sample Mass (g)
	1224038-01	0.501
	1224038-02	0.537
	1224038-03	0.531
*	1224038-04	0.529
	1224038-05	0.553
	1224038-06	0.545
	1224038-07	0.546
	1224038-09	0.551
	1224038-10	0.519
*	1224038-11	0.519
	1224038-12	0.518
	1224038-13	0.550
	1224038-14	0.549
	1225011-01	0.506
	1225011-02	0.542

	Sample ID	Sample Mass (g)
	1225011-03	0.505
	1225011-04	0.509
	1225011-05	0.566
	1225011-06	0.530
*	1225011-07	6.29.12 AAP 0.547 0.542
	1225011-08	0.509
	1225011-09	0.513
	1225011-10	0.502
	1225011-11	0.532
	1225011-12	0.535
*	1225011-13	0.534
	1225011-14	0.545
	1225011-15	0.552
	1225011-16	0.553
	1225011-17	0.551

Sample ID	Sample Mass (g)
1225011-18	0.537
B121095-BLK1	—
B121095-BLK2	—
B121095-BLK3	—
B121095-BLK4	—
B121095-DUP1	0.541
B121095-DUP2	0.506
B121095-DUP3	0.500
B121095-DUP4	0.516
B121095-MS1	0.530
B121095-MS2	0.499
B121095-MS3	0.512
B121095-MS4	0.499
B121095-MSD1	0.500
B121095-MSD2	0.503

Batch QC ID	Sample Source	Spike vol (uL)	Spike conc (ng/mL)	Spike/CRM ID	Spike Witness
MS/D 1	1224038-04	300	10,000	1226050	TE 6/29/12
MS/D 2	1 -11	"	"	"	"
MS/D 3	1225011-07	"	"	"	"
MS/D 4	1 -13	"	"	"	"
SRM 1632	MESS-3	—	—	1209037	—
					aac 7/9/12

Reagent	ID
8mL HCl	1218055
2mL HNO_3	1218046
Balance ID	BL-06

0.5 mL BrCl	1223022
Final Dilution Vol	40mL

Brooks Rand Labs

THg Sed/Soil Prep Benchsheet BRL Report 1225015

SOP / Rev #: BR-0002 Rev 2.0d

Prepped By: AAP Batch: B121095

Preparation Start Date/Time*: 6.29.12/1450 Preparation End Date/Time**: 7.2.12/1359

* Time is when the first reagents are added.

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

Sample ID	Sample Mass (g)
B121095-MSD3	0.507
B121095-MSD4	0.507
B121095-SRM1	0.204
B121095-SRM2	0.209

CmC 7/9/12

Sample ID	Sample Mass (g)

CmC 7/9/12

Sample ID	Sample Mass (g)

CmC 7/9/12

Batch QC ID	Sample Source	Spike vol (uL)	Spike conc (ng/mL)	Spike/CRM ID	Spike Witness

CmC 7/9/12

Reagent	ID
8 mL HCl	1218055
2 mL HNO3	1218046
Balance ID	BL-06

0.5 mL BrCl	1223022
Final Dilution Vol	40mL

Filled out 7.9.12 AAP 7.9.12

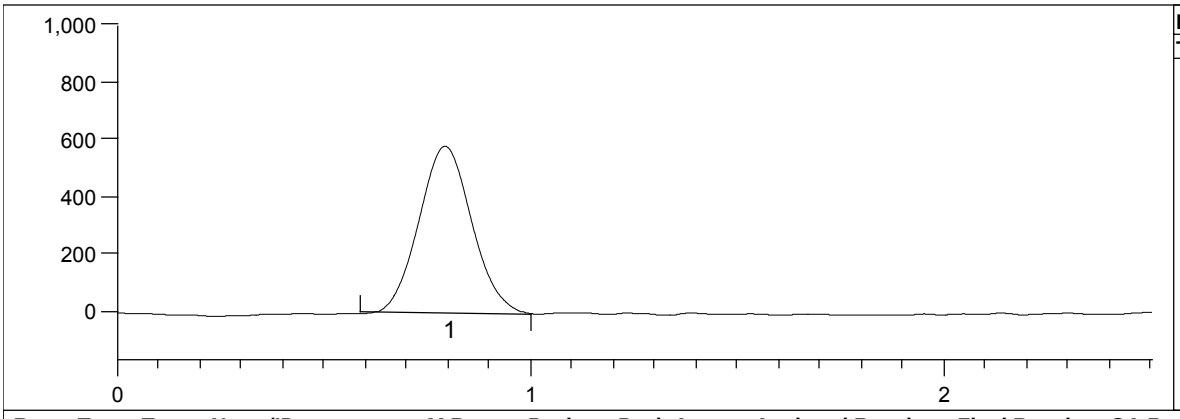
↳ all information except for the weights. - CmC 7/9/12

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

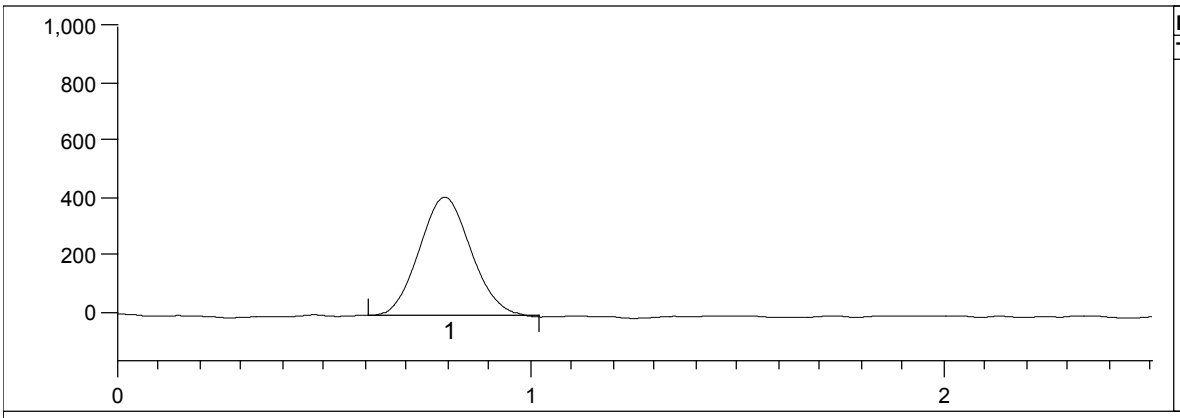


Date: 7/4/12
Time: 10:52 AM

Peak	rt	Area
1	0.79	53,011

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1	X	RINS	RINSE		1	53,011	5.45	0.00	0.00	< 0.5	accept

Notes

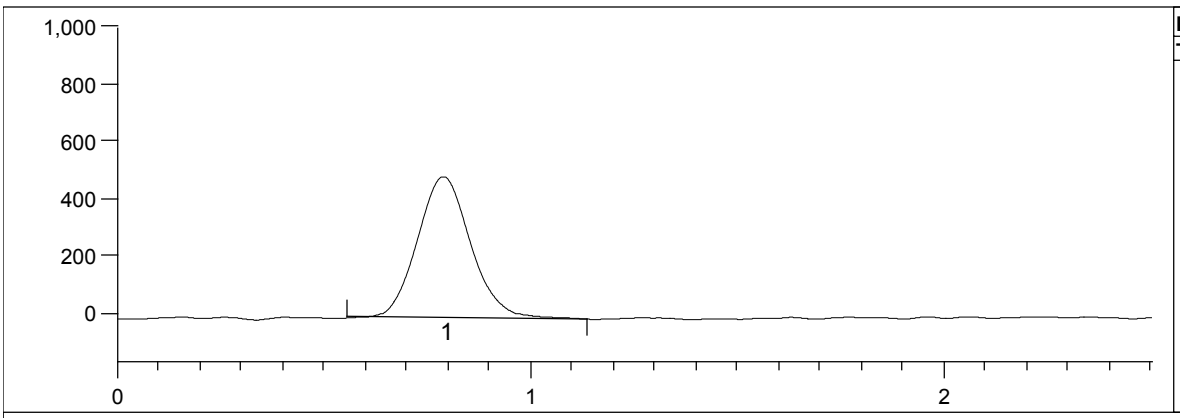


Date: 7/4/12
Time: 10:58 AM

Peak	rt	Area
1	0.79	37,062

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2	Y	RINS	RINSE		1	37,062	3.81	0.00	0.00	< 0.5	accept

Notes



Date: 7/4/12
Time: 11:04 AM

Peak	rt	Area
1	0.78	45,468

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3	X	IBL	SEQ-IBL		1	45,468	4.67		4.67	< 50	accept

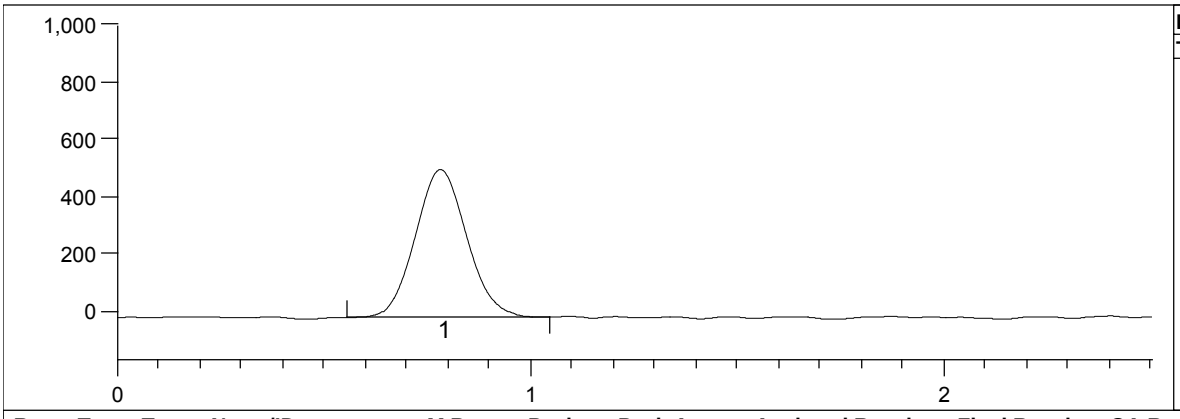
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

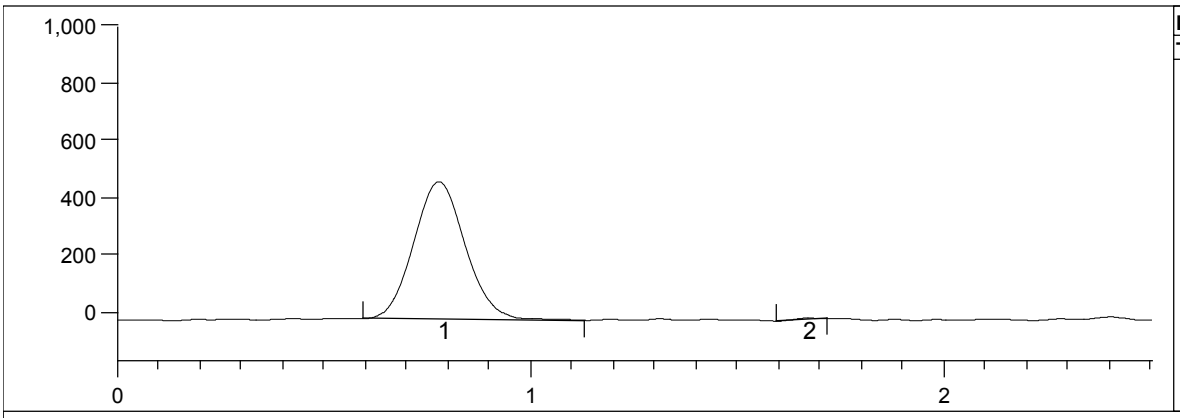


Date: 7/4/12
Time: 11:10 AM

Peak	rt	Area
1	0.78	45,559

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4	Y	IBL	SEQ-IBL		1	45,559	4.68		4.68	< 50	accept

Notes

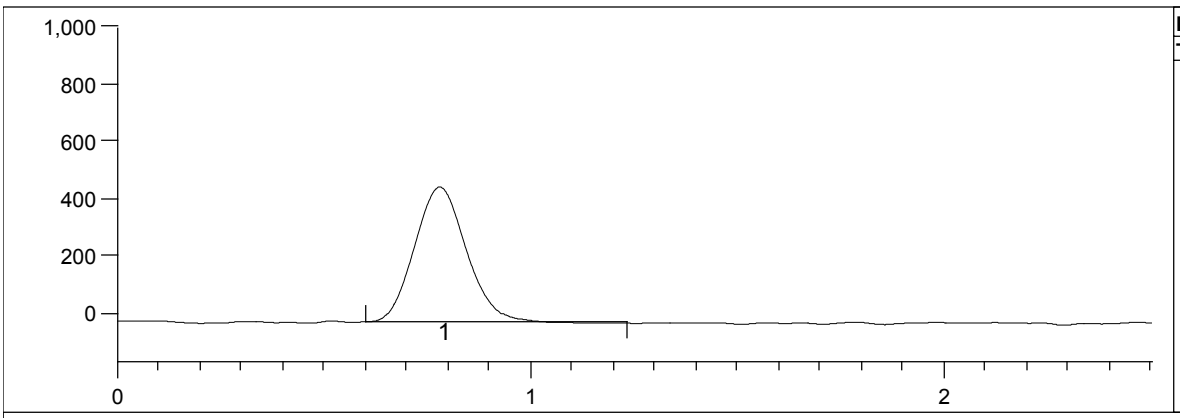


Date: 7/4/12
Time: 11:16 AM

Peak	rt	Area
1	0.77	42,359
2	1.66	273

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5	X	IBL	SEQ-IBL		1	42,359	4.35		4.35	< 50	accept

Notes



Date: 7/4/12
Time: 11:22 AM

Peak	rt	Area
1	0.78	41,981

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6	Y	IBL	SEQ-IBL		1	41,981	4.31		4.31	< 50	accept

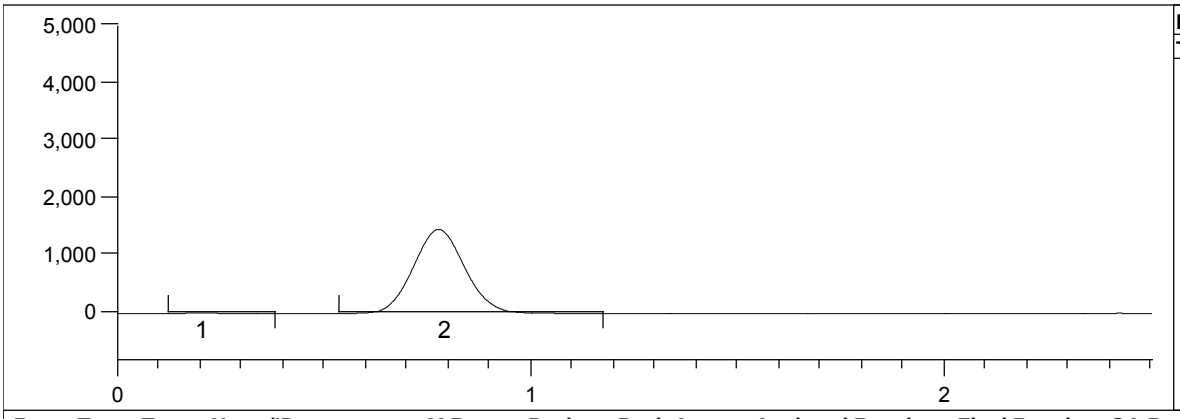
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

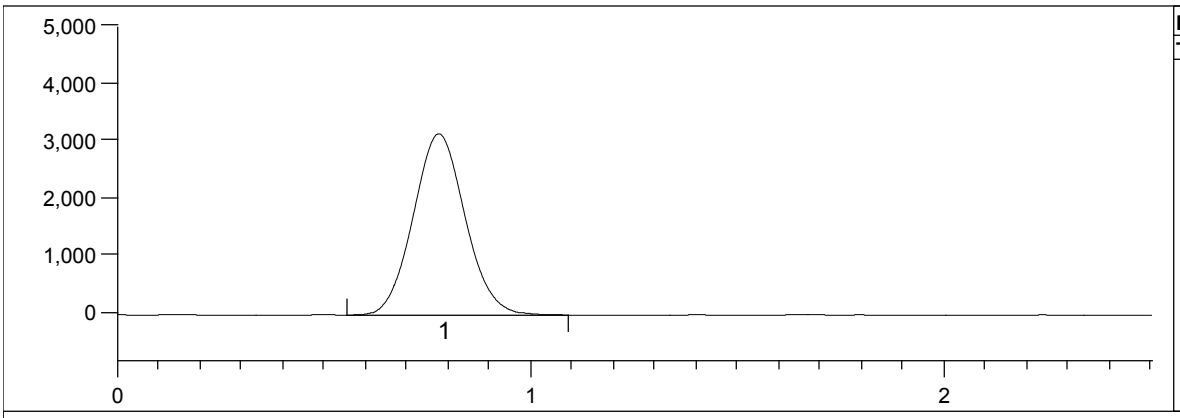


Date: 7/4/12
Time: 11:28 AM

Peak	rt	Area
1	0.19	901
2	0.77	131,236

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7	X	STD	SEQ-CAL1		2	131,236	8.98		89.8	75-125	accept

Notes

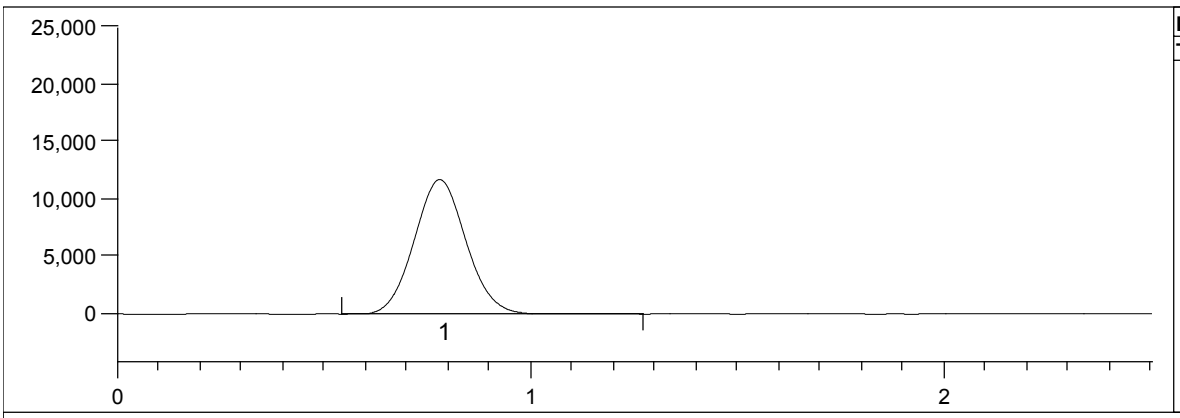


Date: 7/4/12
Time: 11:34 AM

Peak	rt	Area
1	0.77	279,959

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8	Y	STD	SEQ-CAL2		1	279,959	24.3		97.1	75-125	accept

Notes



Date: 7/4/12
Time: 11:40 AM

Peak	rt	Area
1	0.78	1,040,131

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9	X	STD	SEQ-CAL3		1	1,040,131	102		102	75-125	accept

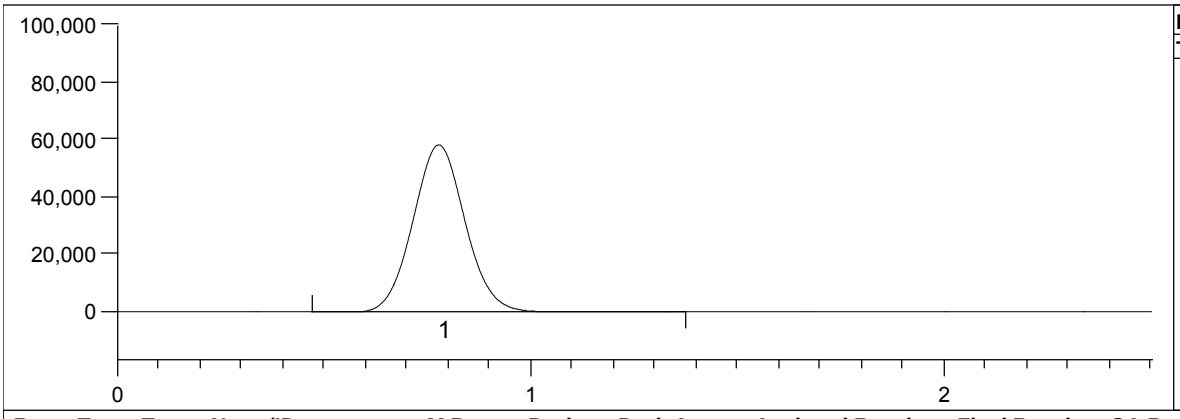
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

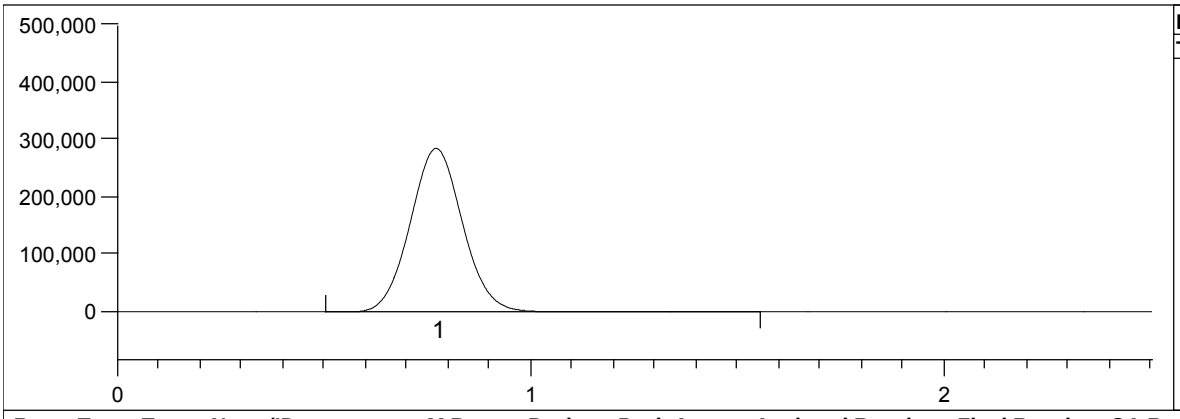


Date: 7/4/12
Time: 11:46 AM

Peak	rt	Area
1	0.77	5,150,647

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10	Y	STD	SEQ-CAL4		1	5,150,647	525		105	75-125	accept

Notes

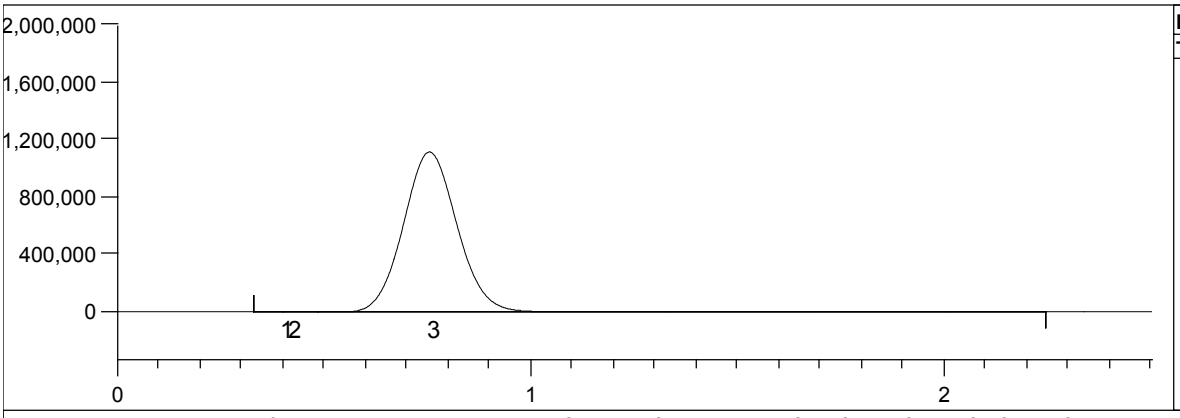


Date: 7/4/12
Time: 11:52 AM

Peak	rt	Area
1	0.77	25,264,479

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11	X	STD	SEQ-CAL5		1	25,264,479	2,590		104	75-125	accept

Notes



Date: 7/4/12
Time: 11:58 AM

Peak	rt	Area
1	0.40	230
2	0.42	329
3	0.75	101,216,588

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12	Y	STD	SEQ-CAL6		3	101,216,588	10,400		104	75-125	accept

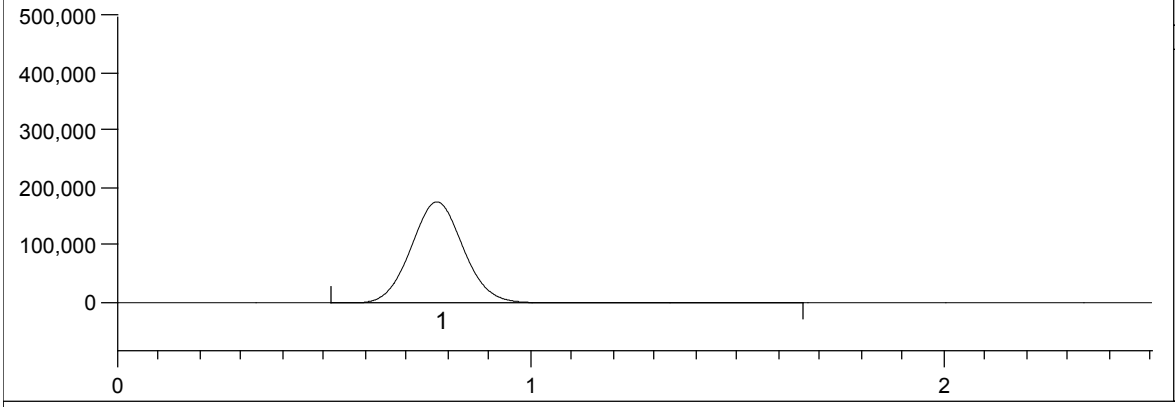
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

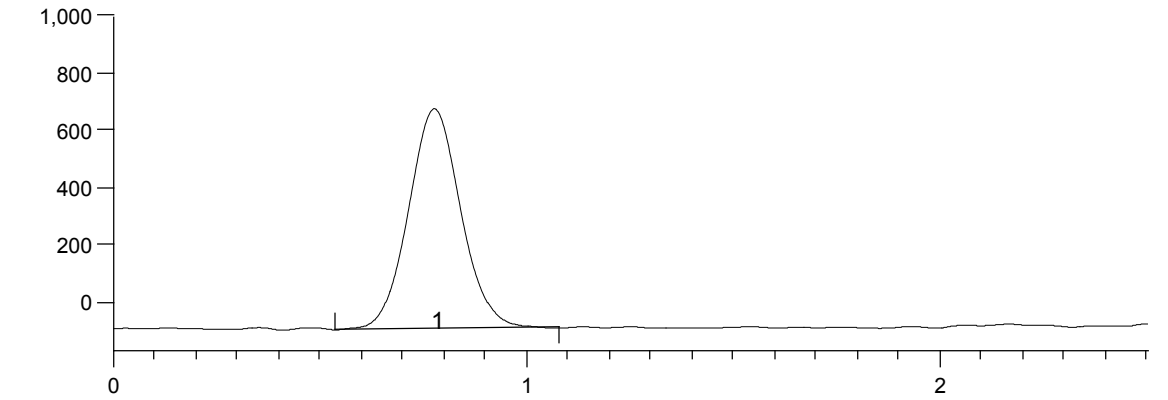


Date: 7/4/12
Time: 12:04 PM

Peak	rt	Area
1	0.77	15,640,750

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
13	X	ICV	SEQ-ICV		1	15,640,750	1,600		102	80-120	accept

Notes

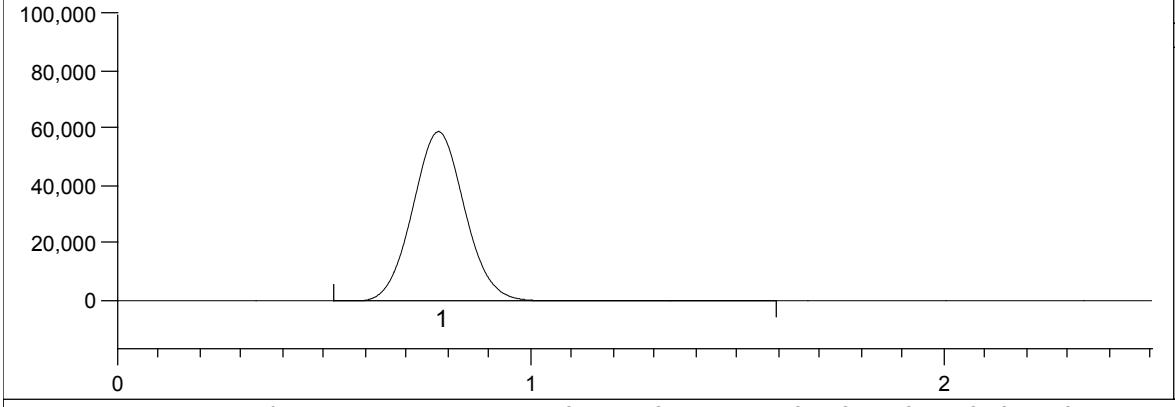


Date: 7/4/12
Time: 12:10 PM

Peak	rt	Area
1	0.77	68,575

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
14	Y	CCB	SEQ-CCB		1	68,575	7.05		7.05	< 50	accept

Notes



Date: 7/4/12
Time: 12:16 PM

Peak	rt	Area
1	0.77	5,221,253

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
15	X	CCV	SEQ-CCV		1	5,221,253	532		106	77-123	accept

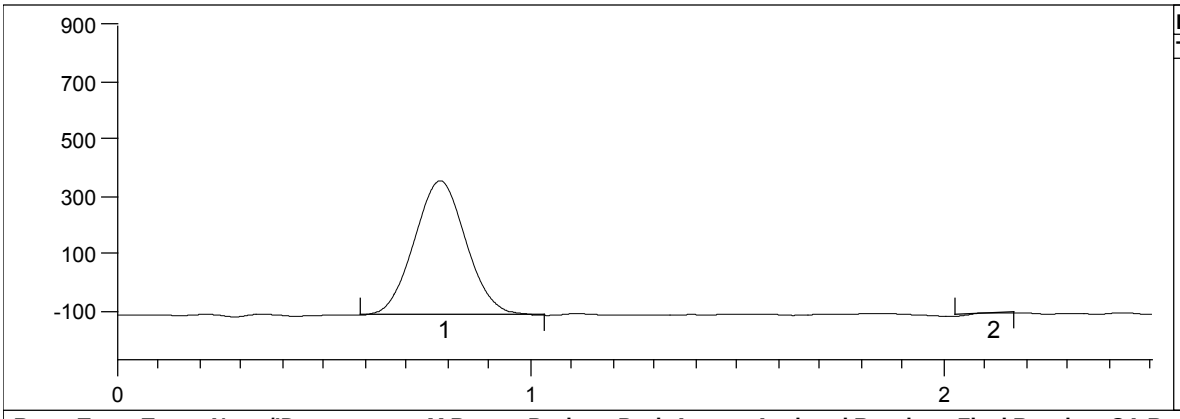
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

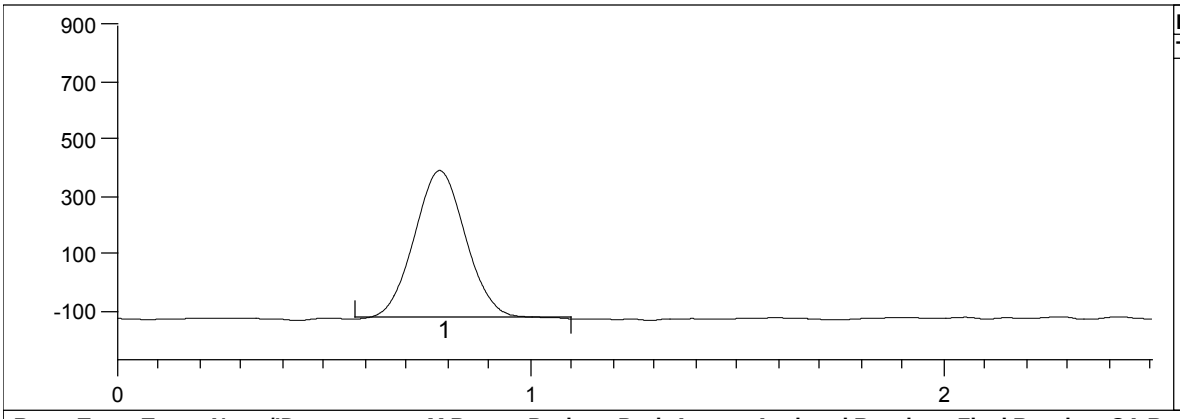


Date: 7/4/12
Time: 12:22 PM

Peak	rt	Area
1	0.78	41,566
2	2.10	351

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16	Y	CCB	SEQ-CCB		1	41,566	4.27		4.27	< 50	accept

Notes

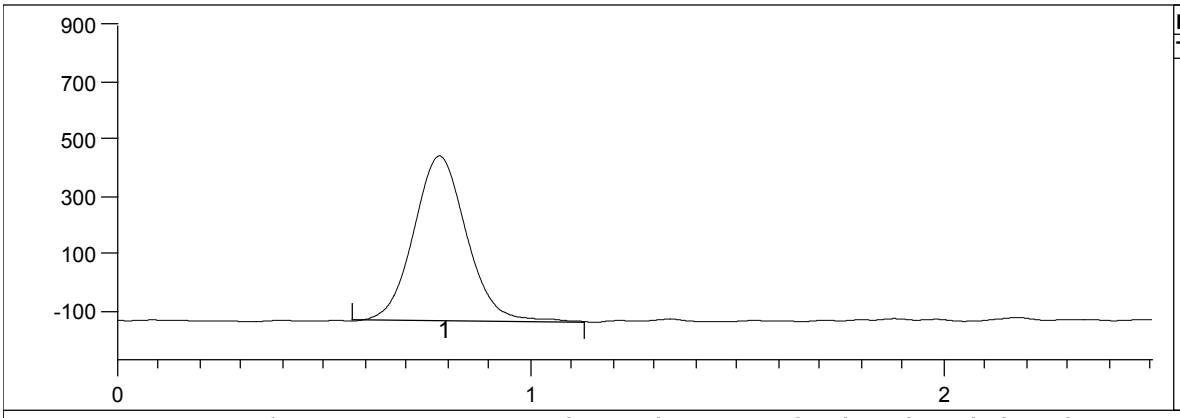


Date: 7/4/12
Time: 12:28 PM

Peak	rt	Area
1	0.78	45,922

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17	X	CCB	SEQ-CCB		1	45,922	4.72		4.72	< 50	accept

Notes



Date: 7/4/12
Time: 12:34 PM

Peak	rt	Area
1	0.78	51,963

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18	Y	CCB	SEQ-CCB		1	51,963	5.34		5.34	< 50	accept

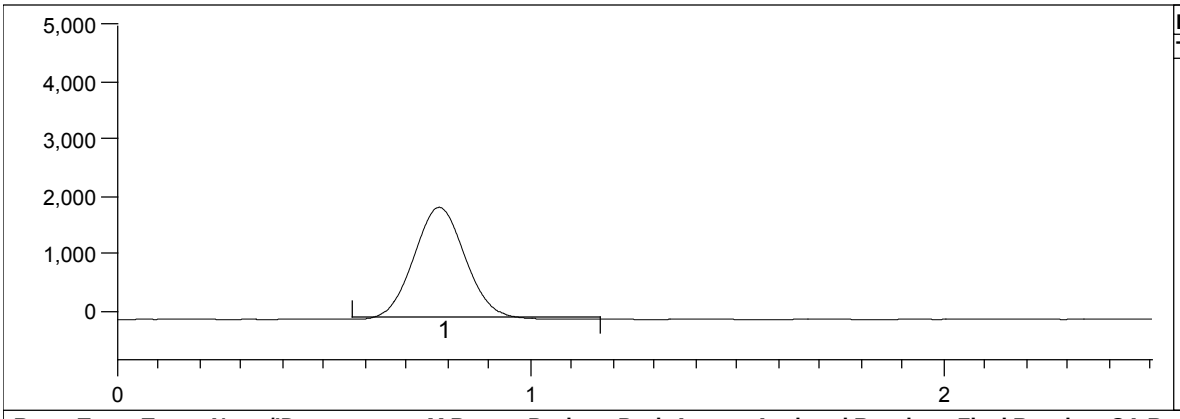
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

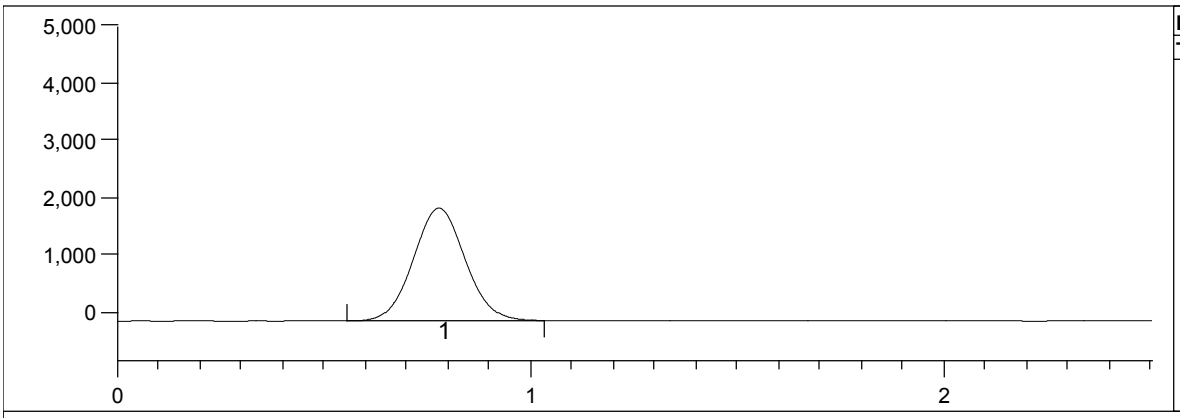


Date: 7/4/12
Time: 12:40 PM

Peak	rt	Area
1	0.77	173,944

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
19	X	S	BrCl A 1227050		1	173,944	13.4	0.00		< HS	accept

Notes

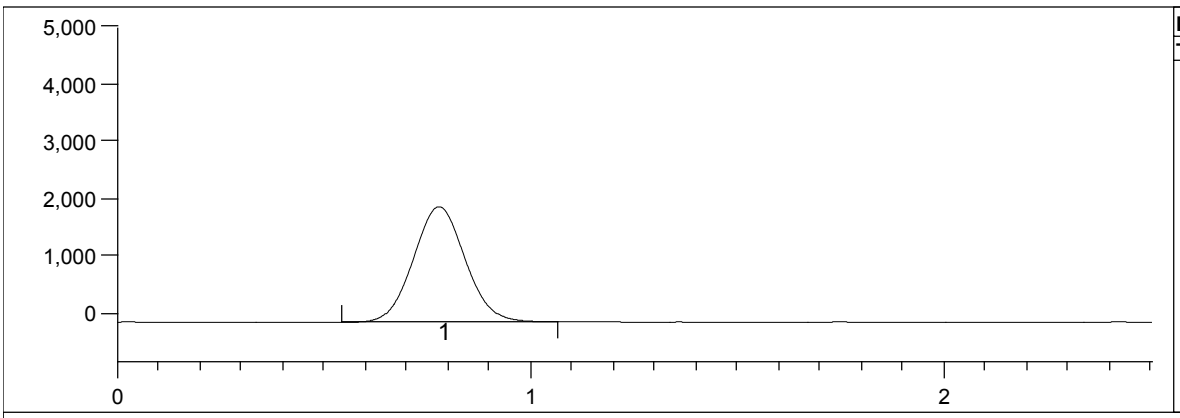


Date: 7/4/12
Time: 12:46 PM

Peak	rt	Area
1	0.77	174,066

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
20	Y	S	BrCl B 1227050		1	174,066	13.4	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 12:52 PM

Peak	rt	Area
1	0.77	178,203

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
21	X	S	BrCl A 1227051		1	178,203	13.8	0.00		< HS	accept

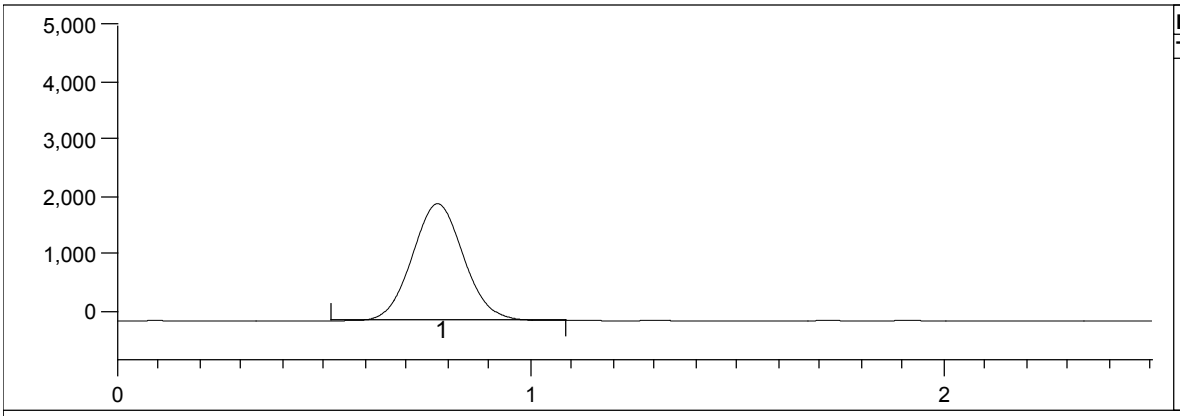
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

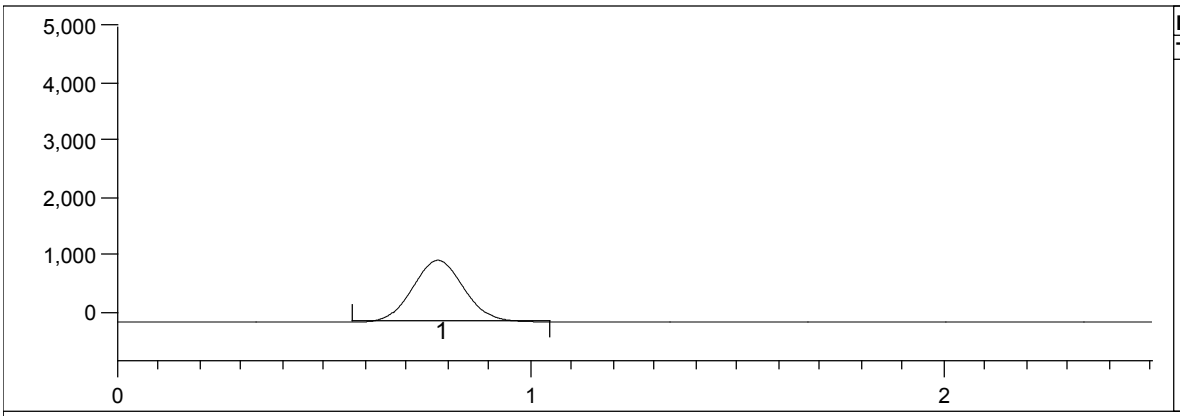


Date: 7/4/12
Time: 12:58 PM

Peak	rt	Area
1	0.77	180,655

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
22	Y	S	BrCl B 1227051		1	180,655	14.1	0.00		< HS	accept

Notes

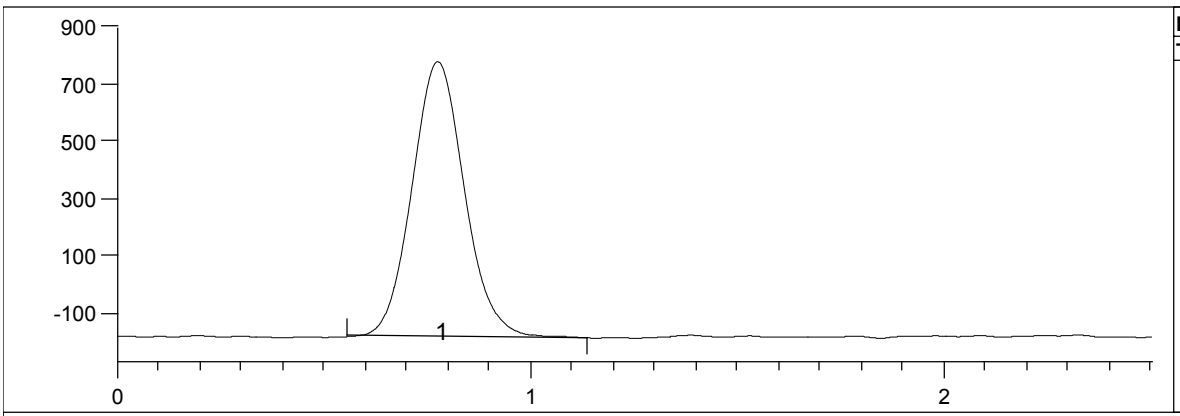


Date: 7/4/12
Time: 1:04 PM

Peak	rt	Area
1	0.77	95,609

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
23	X	S	FR BLK1		1	95,609	5.32	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 1:10 PM

Peak	rt	Area
1	0.77	85,580

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24	Y	S	FR BLK2		1	85,580	4.29	0.00		< HS	accept

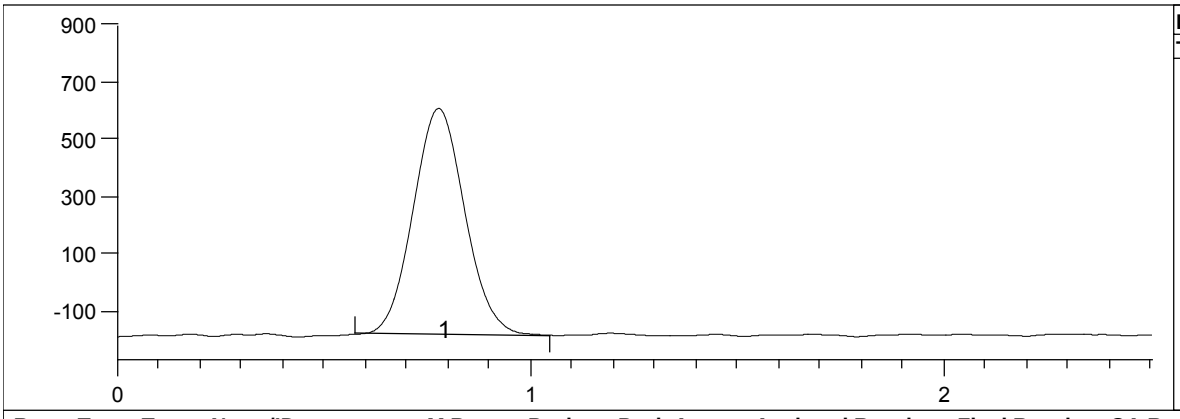
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

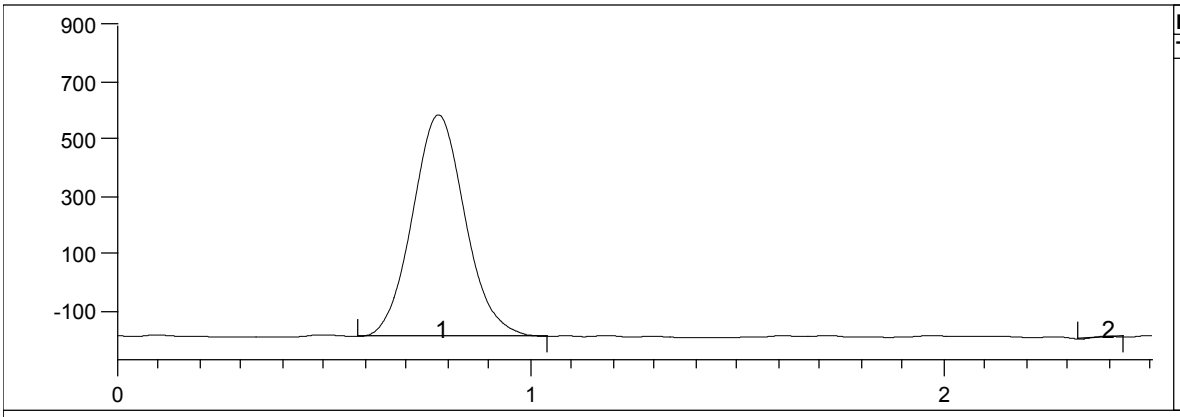


Date: 7/4/12
Time: 1:16 PM

Peak	rt	Area
1	0.77	69,193

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
25	X	S	FR BLK3		1	69,193	2.61	0.00		< HS	accept

Notes

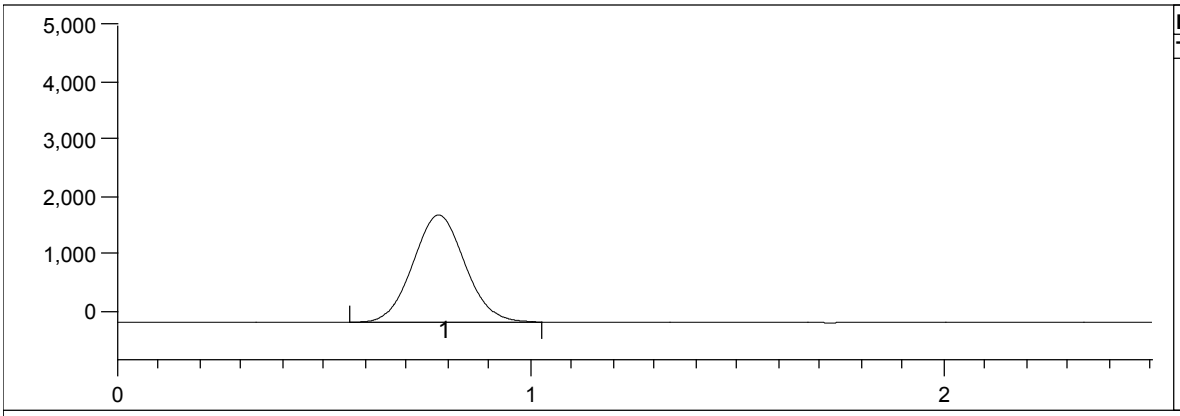


Date: 7/4/12
Time: 1:22 PM

Peak	rt	Area
1	0.77	69,076
2	2.38	266

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
26	Y	S	FR BLK4		1	69,076	2.59	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 1:28 PM

Peak	rt	Area
1	0.77	166,066

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
27	X	S	FR BS1		1	166,066	12.6	0.00		< HS	accept

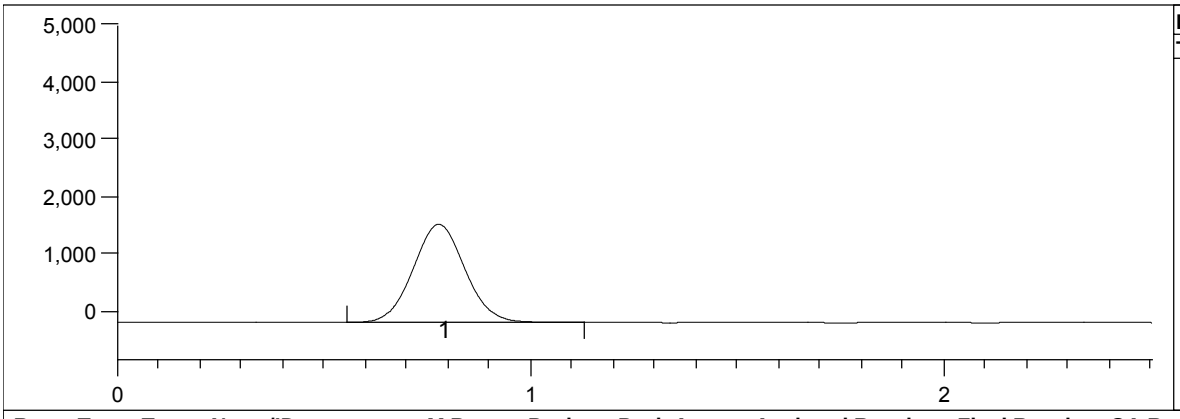
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

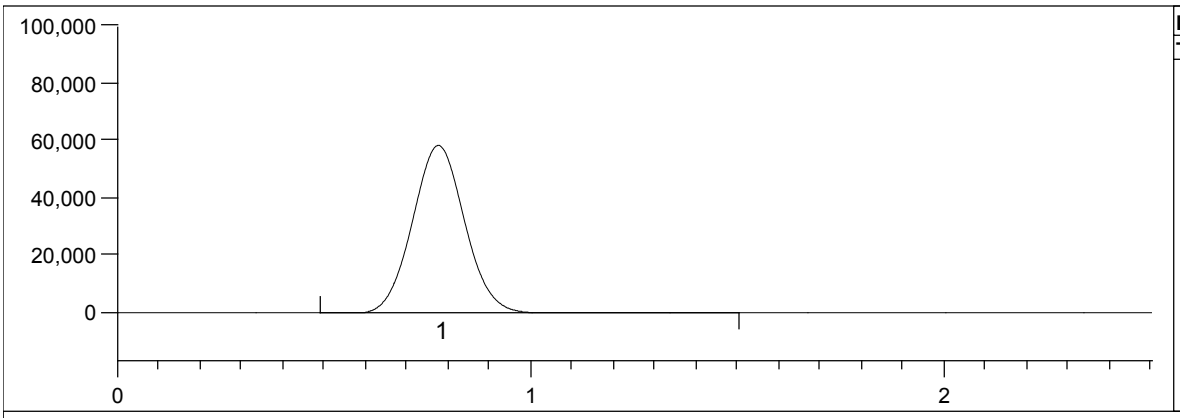


Date: 7/4/12
Time: 1:34 PM

Peak	rt	Area
1	0.77	151,506

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
28	Y	S	FR BS2		1	151,506	11.1	0.00		< HS	accept

Notes

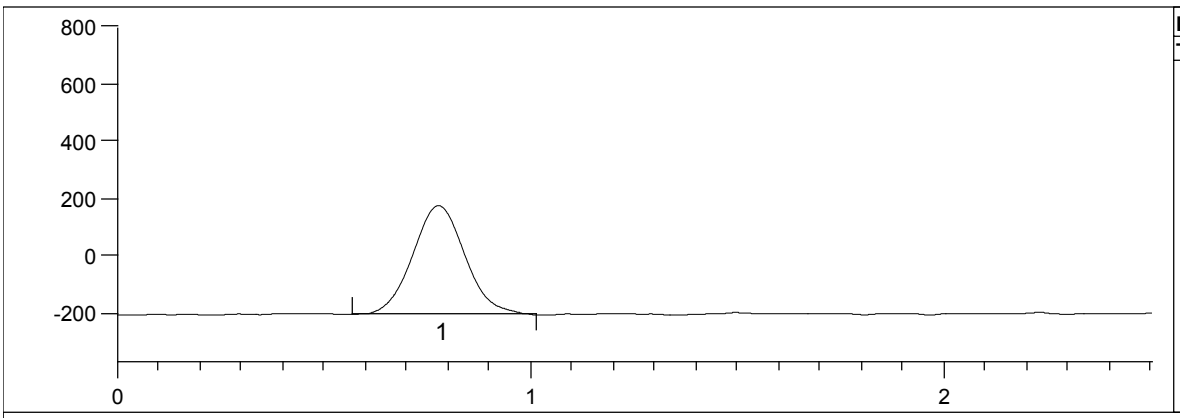


Date: 7/4/12
Time: 1:40 PM

Peak	rt	Area
1	0.77	5,204,300

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29	X	CCV	SEQ-CCV		1	5,204,300	530.		106	77-123	accept

Notes



Date: 7/4/12
Time: 1:46 PM

Peak	rt	Area
1	0.77	34,303

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
30	Y	CCB	SEQ-CCB		1	34,303	3.52		3.52	< 50	accept

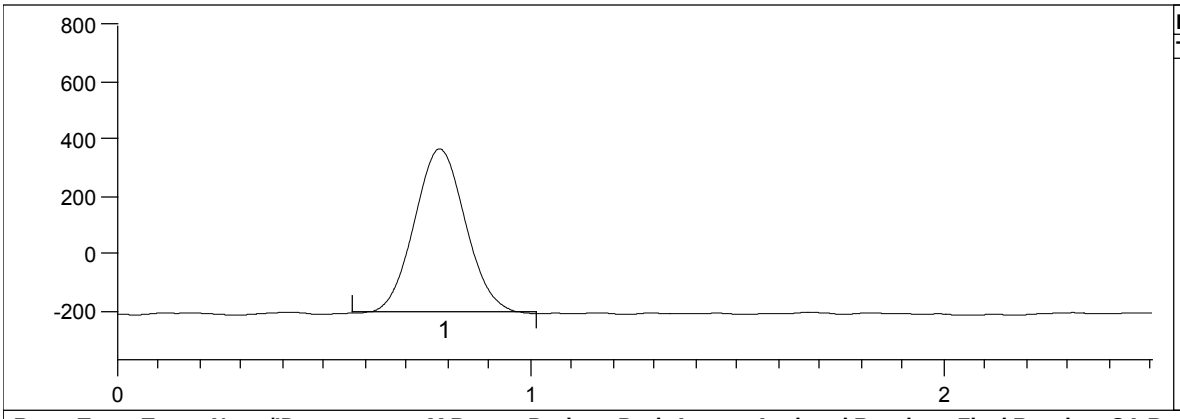
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

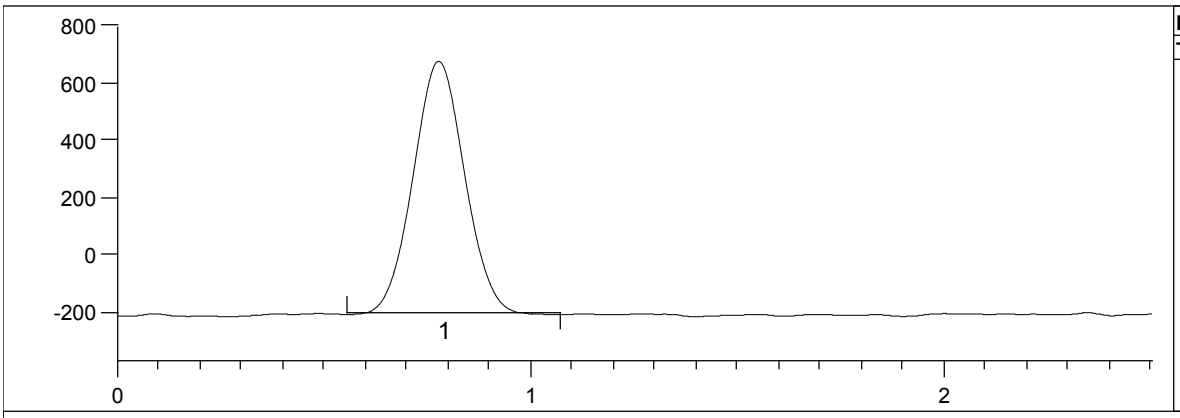


Date: 7/4/12
Time: 1:52 PM

Peak	rt	Area
1	0.78	50,499

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31	X	S	DELI BLK1		1	50,499	0.684	0.00		< HS	accept

Notes

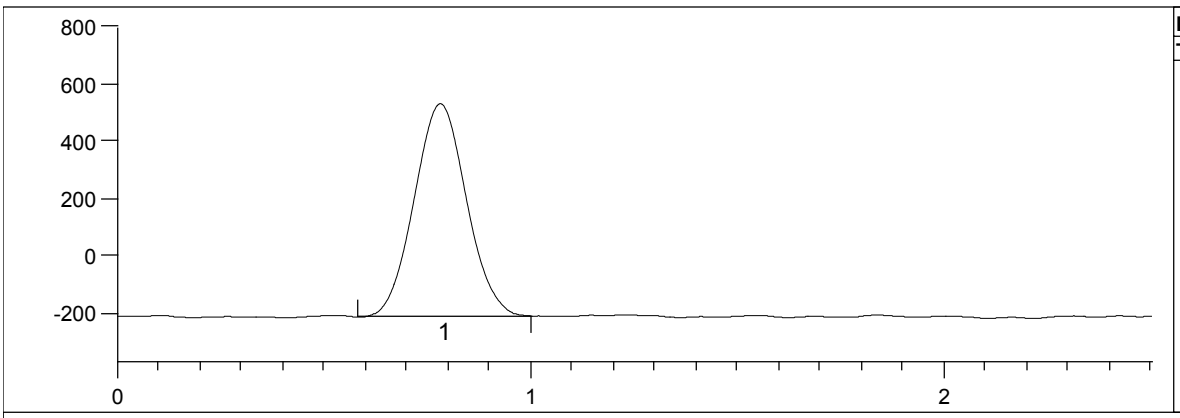


Date: 7/4/12
Time: 1:58 PM

Peak	rt	Area
1	0.77	78,130

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
32	Y	S	DELI BLK2		1	78,130	3.52	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 2:04 PM

Peak	rt	Area
1	0.78	66,131

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
33	X	S	DELI BLK3		1	66,131	2.29	0.00		< HS	accept

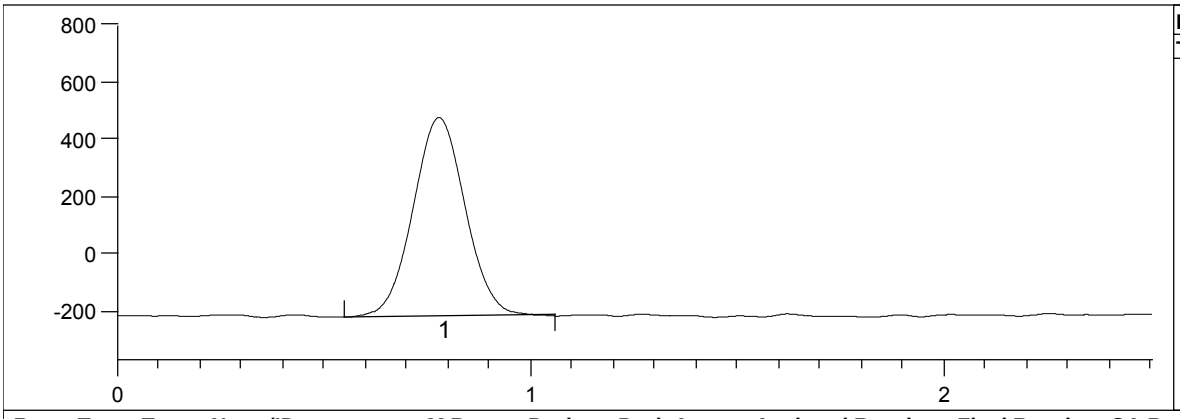
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

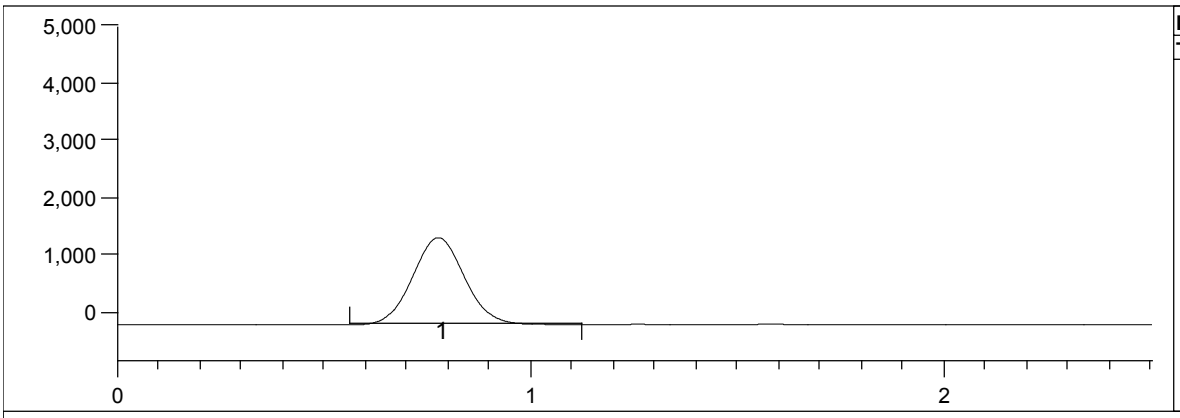


Date: 7/4/12
Time: 2:10 PM

Peak	rt	Area
1	0.77	62,142

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
34	Y	S	DELI BLK4		1	62,142	1.88	0.00		< HS	accept

Notes

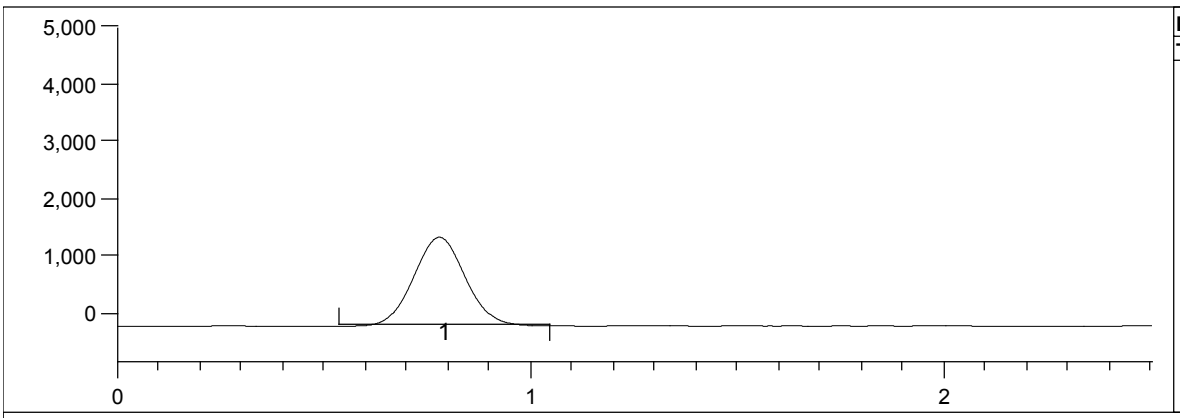


Date: 7/4/12
Time: 2:16 PM

Peak	rt	Area
1	0.77	135,233

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
35	X	S	DELI BS1		1	135,233	9.39	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 2:22 PM

Peak	rt	Area
1	0.78	138,065

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
36	Y	S	DELI BS2		1	138,065	9.68	0.00		< HS	accept

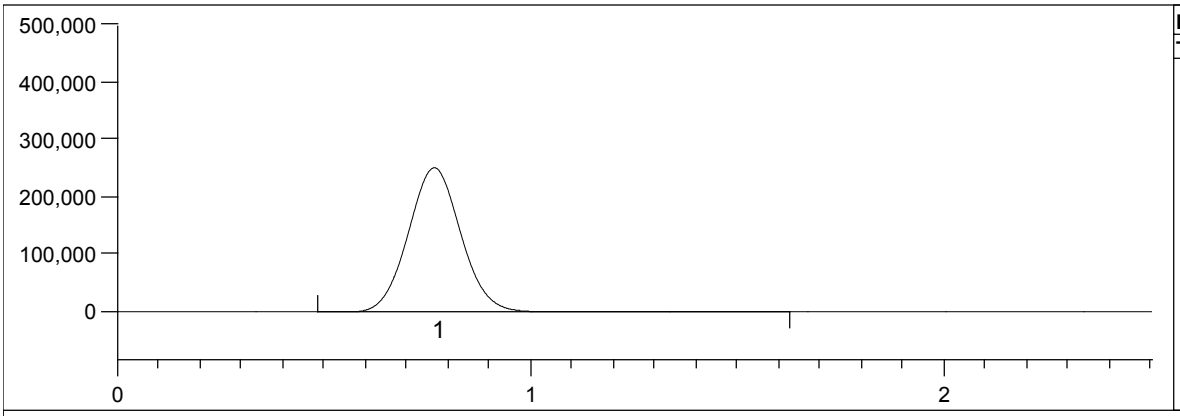
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

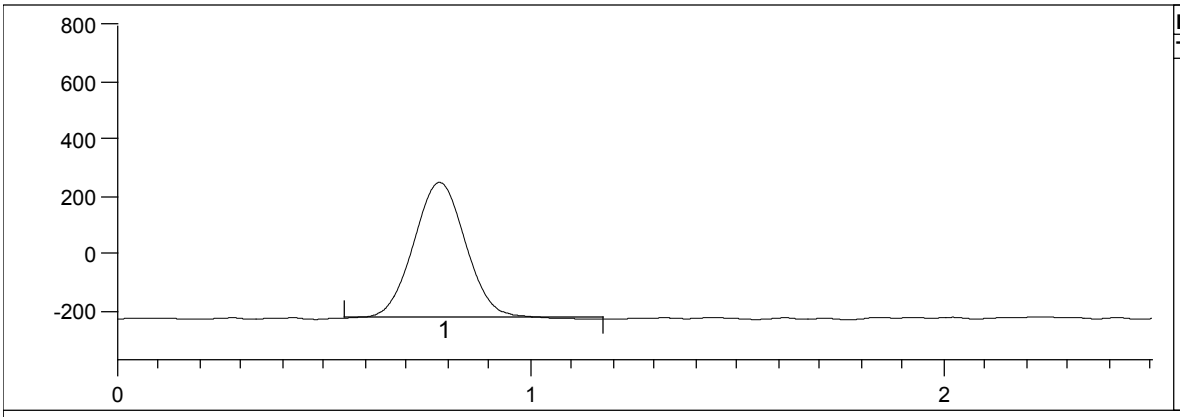


Date: 7/4/12
Time: 2:28 PM

Peak	rt	Area
1	0.76	22,392,927

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
37	X	S	B121104-SRM1		1	22,392,927	2,300	0.00		< HS	accept

Notes

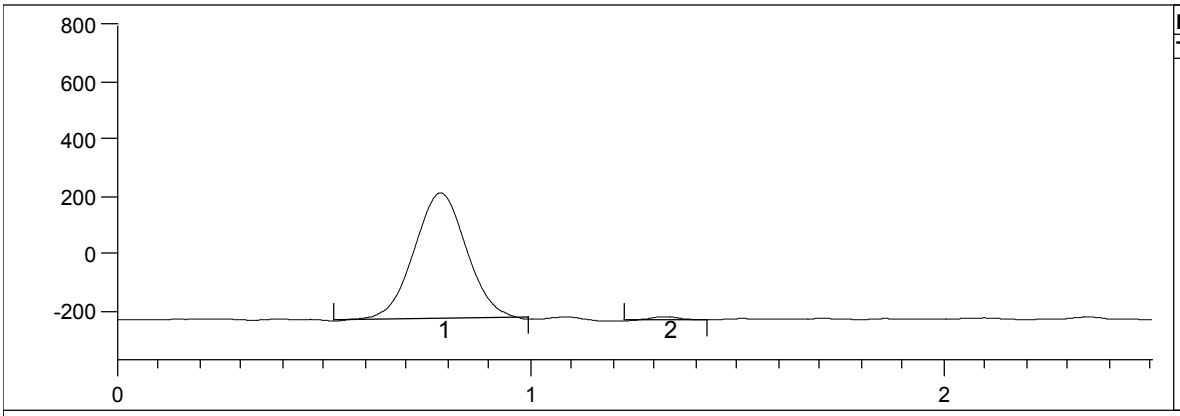


Date: 7/4/12
Time: 2:34 PM

Peak	rt	Area
1	0.78	42,791

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
38	Y	S	B121104-BLK1		1	42,791	-0.108	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 2:40 PM

Peak	rt	Area
1	0.78	40,550
2	1.32	715

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
39	X	S	B121104-BLK2		1	40,550	-0.338	0.00		< HS	accept

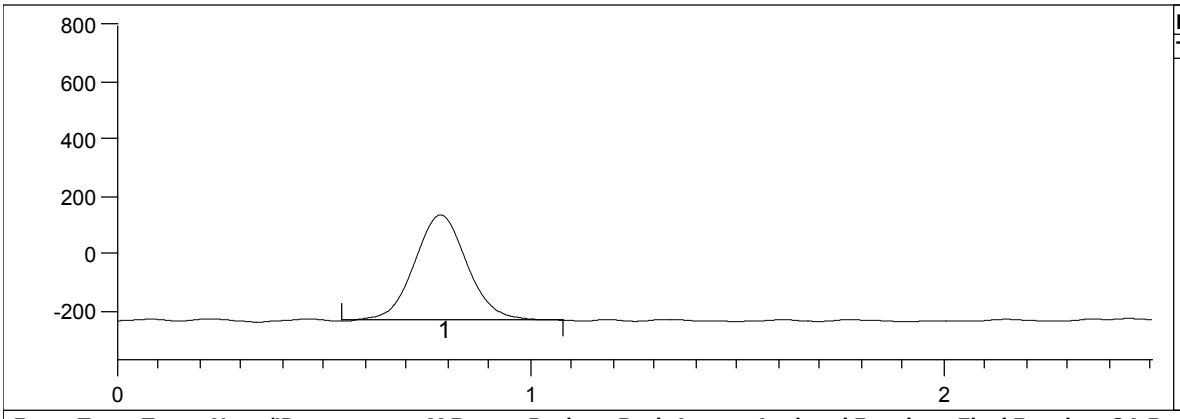
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

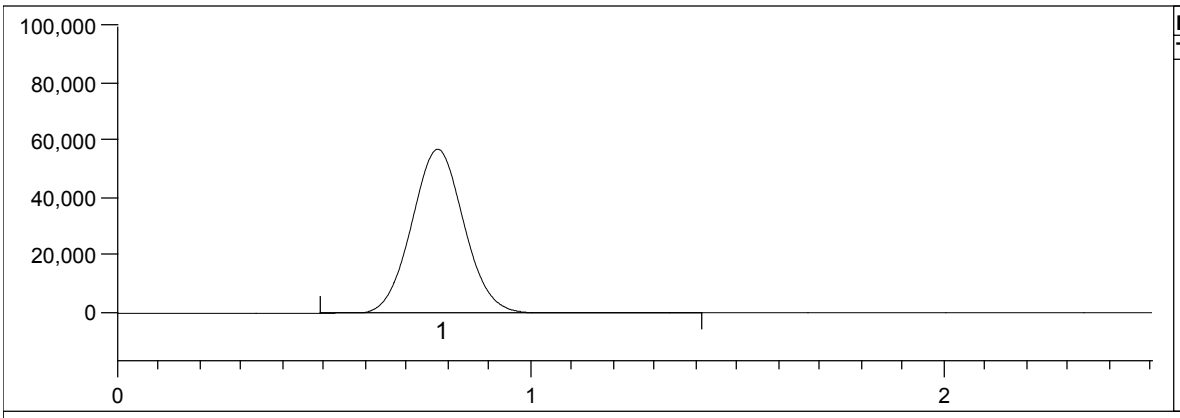


Date: 7/4/12
Time: 2:46 PM

Peak	rt	Area
1	0.78	34,006

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
40	Y	S	B121104-BLK3		1	34,006	-1.01	0.00		< HS	accept

Notes

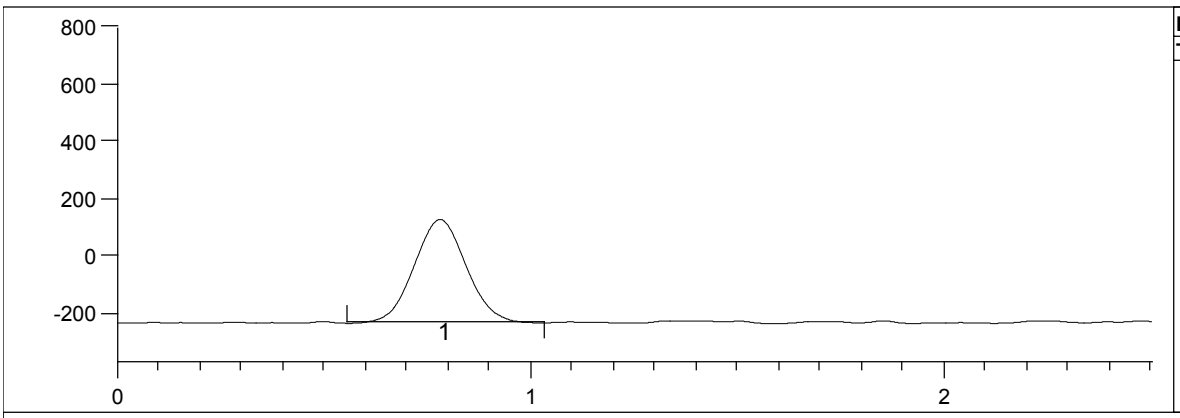


Date: 7/4/12
Time: 2:52 PM

Peak	rt	Area
1	0.77	5,090,289

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
41	X	CCV	SEQ-CCV		1	5,090,289	519		104	77-123	accept

Notes



Date: 7/4/12
Time: 2:58 PM

Peak	rt	Area
1	0.78	32,591

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
42	Y	CCB	SEQ-CCB		1	32,591	3.35		3.35	< 50	accept

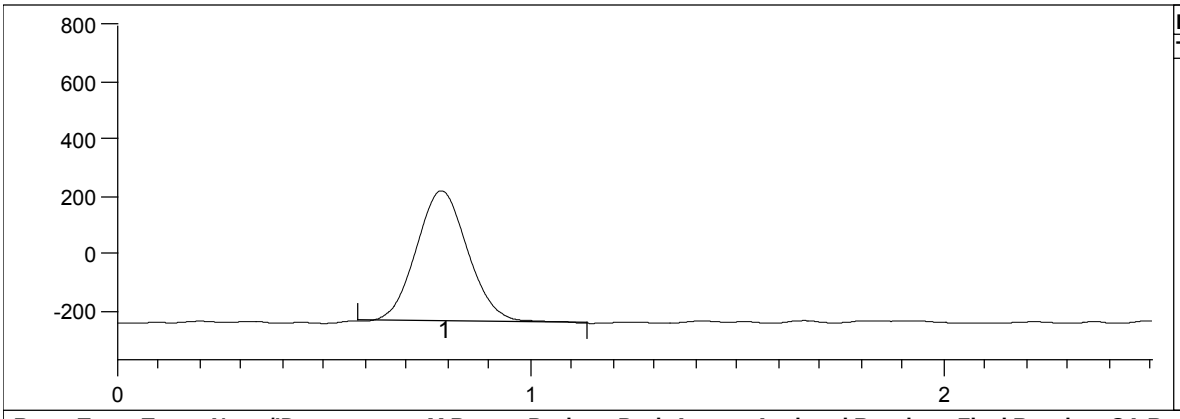
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

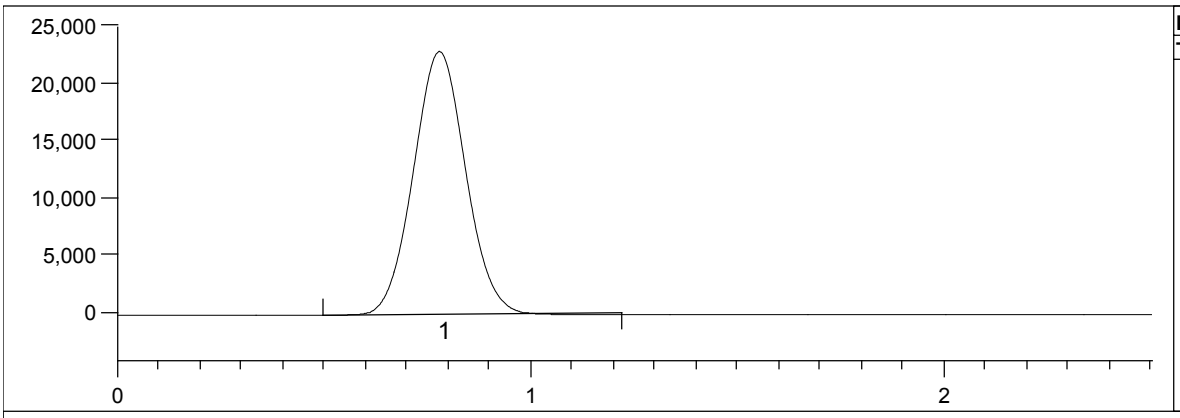


Date: 7/4/12
Time: 3:04 PM

Peak	rt	Area
1	0.78	40,797

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
43	X	S	B121104-BLK4		1	40,797	-0.313	0.00		< HS	accept

Notes

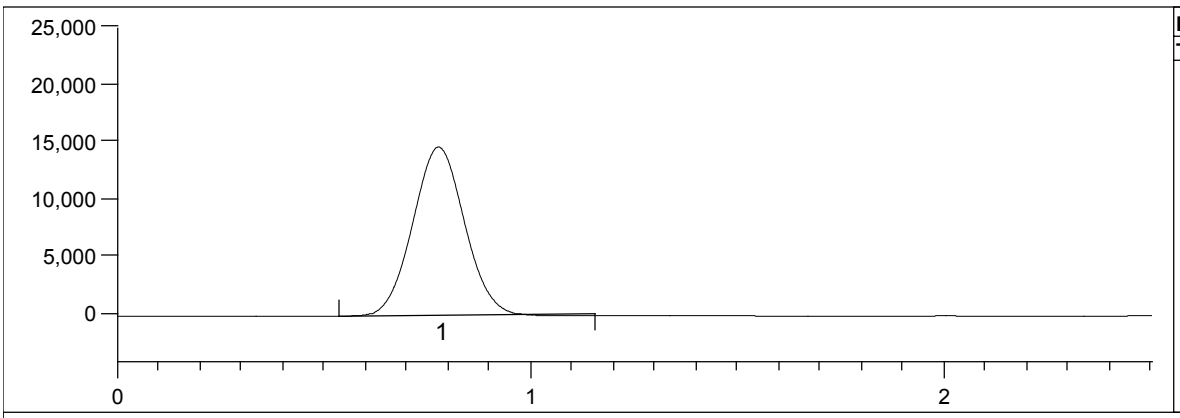


Date: 7/4/12
Time: 3:10 PM

Peak	rt	Area
1	0.78	2,049,503

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
44	Y	S	1225015-03		1	2,049,503	206	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 3:16 PM

Peak	rt	Area
1	0.77	1,310,682

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
45	X	S	1225015-04		1	1,310,682	130.	0.00		< HS	accept

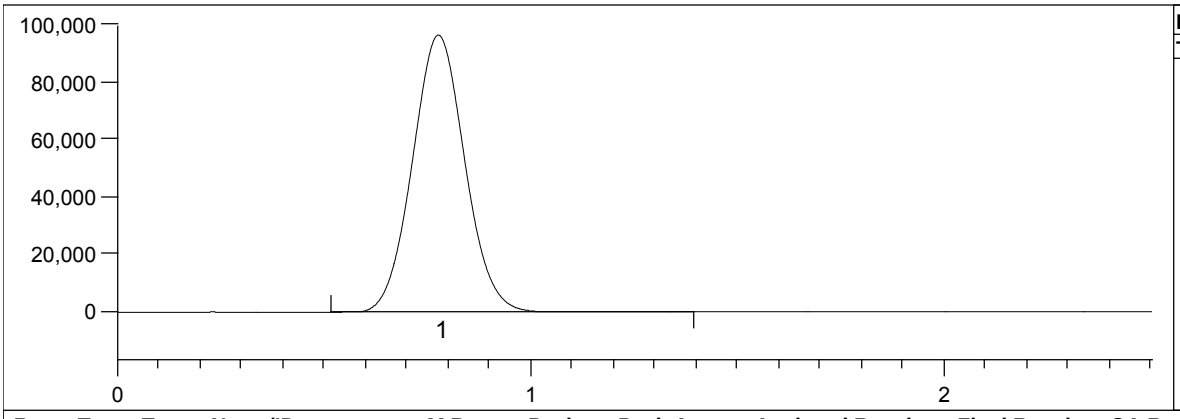
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

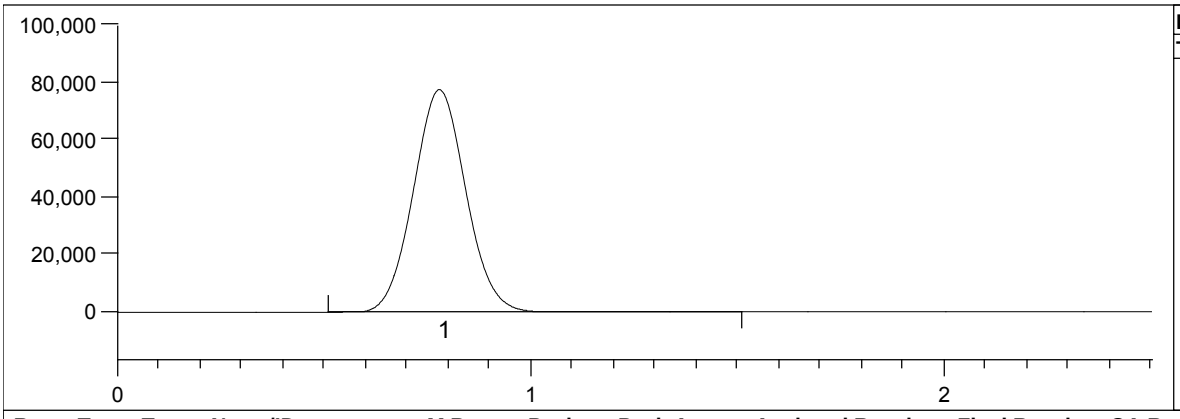


Date: 7/4/12
Time: 3:22 PM

Peak	rt	Area
1	0.77	8,598,344

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
46	Y	S	1225015-05		1	8,598,344	879	0.00		< HS	accept

Notes

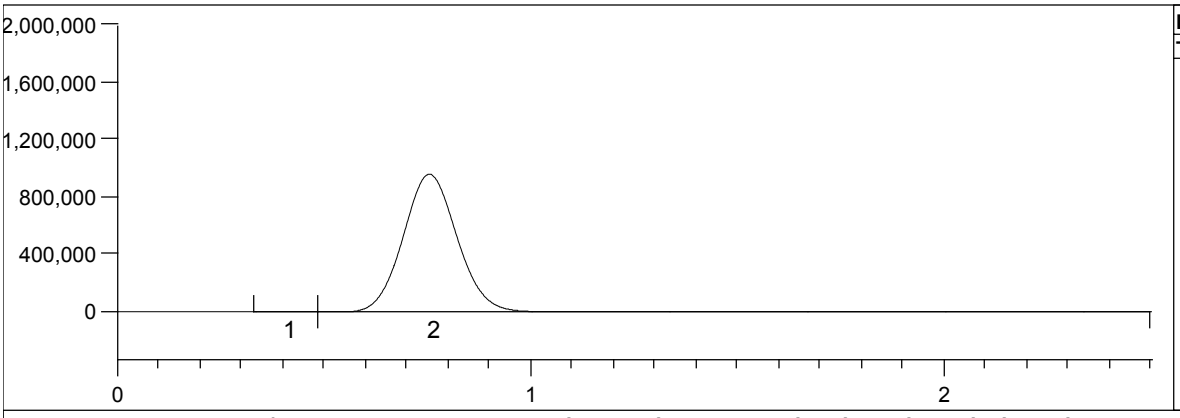


Date: 7/4/12
Time: 3:28 PM

Peak	rt	Area
1	0.78	6,927,332

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
47	X	S	B121104-DUP1		1	6,927,332	707	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 3:34 PM

Peak	rt	Area
1	0.40	498
2	0.75	87,697,840

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
48	Y	S	B121104-MS1		2	87,697,840	9,010	0.00		< HS	accept

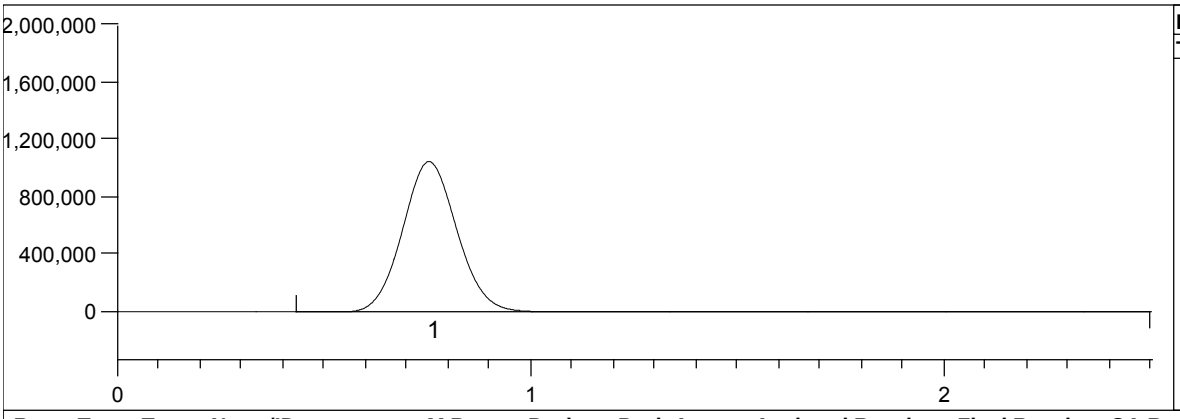
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

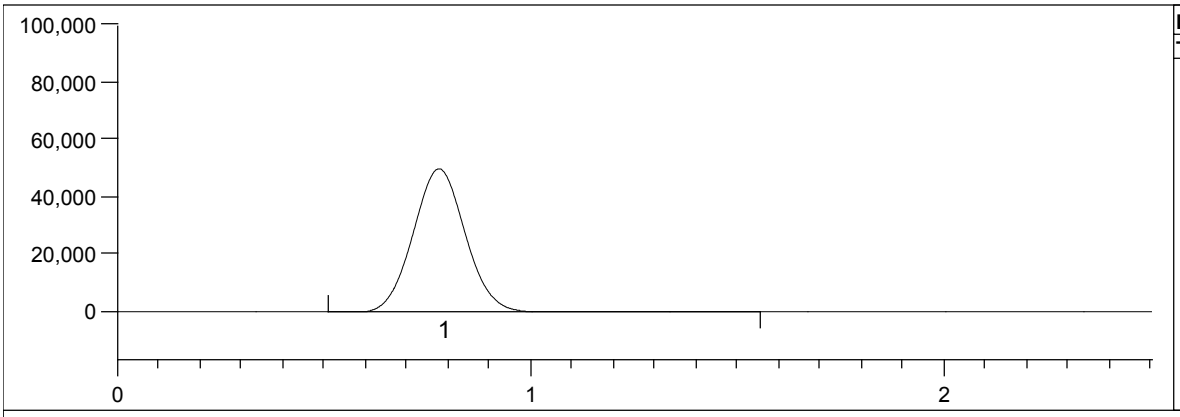


Date: 7/4/12
Time: 3:40 PM

Peak	rt	Area
1	0.75	96,610,563

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
49	X	S	B121104-MSD1		1	96,610,563	9,920	0.00		< HS	accept

Notes

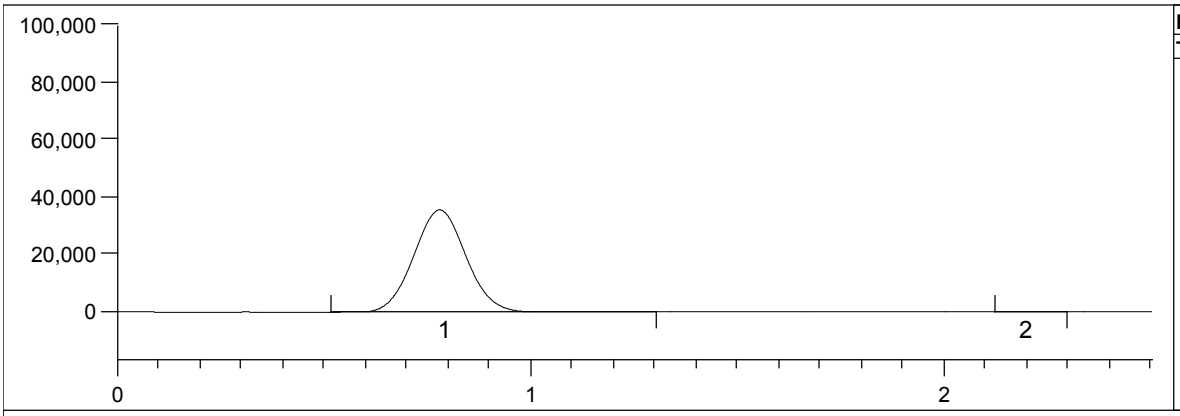


Date: 7/4/12
Time: 3:46 PM

Peak	rt	Area
1	0.77	4,455,239

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
50	Y	S	1225015-06		1	4,455,239	453	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 3:52 PM

Peak	rt	Area
1	0.78	3,194,185
2	2.18	465

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
51	X	S	1225015-07		1	3,194,185	324	0.00		< HS	accept

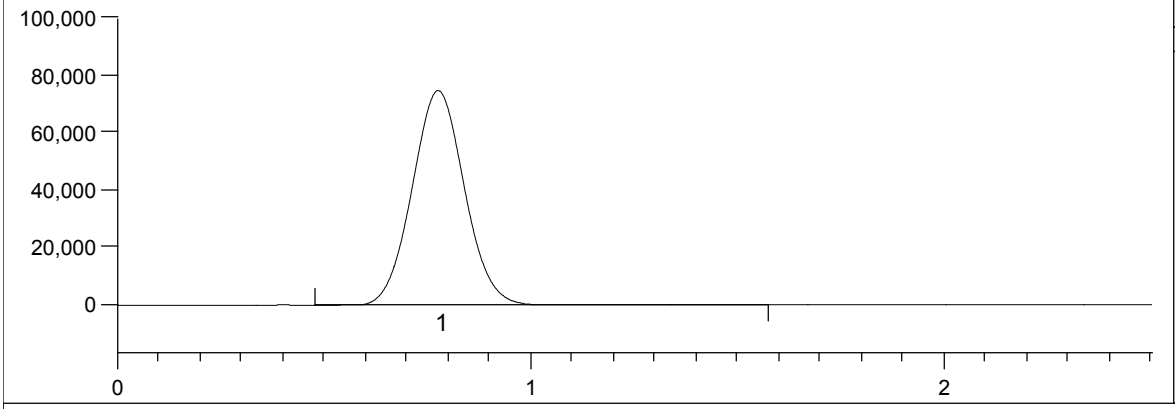
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

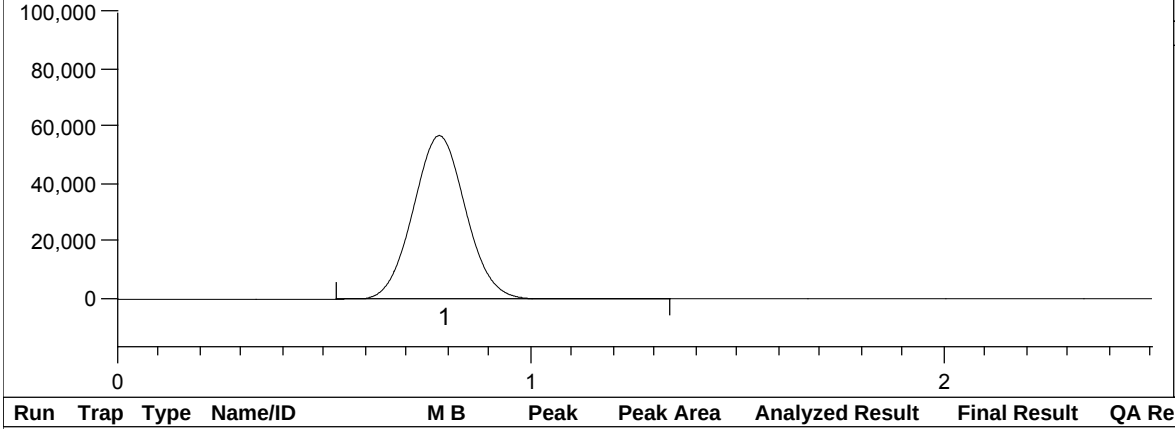


Date: 7/4/12
Time: 3:58 PM

Peak	rt	Area
1	0.77	6,661,418

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
52	Y	S	1225015-08		1	6,661,418	680.	0.00		< HS	accept

Notes

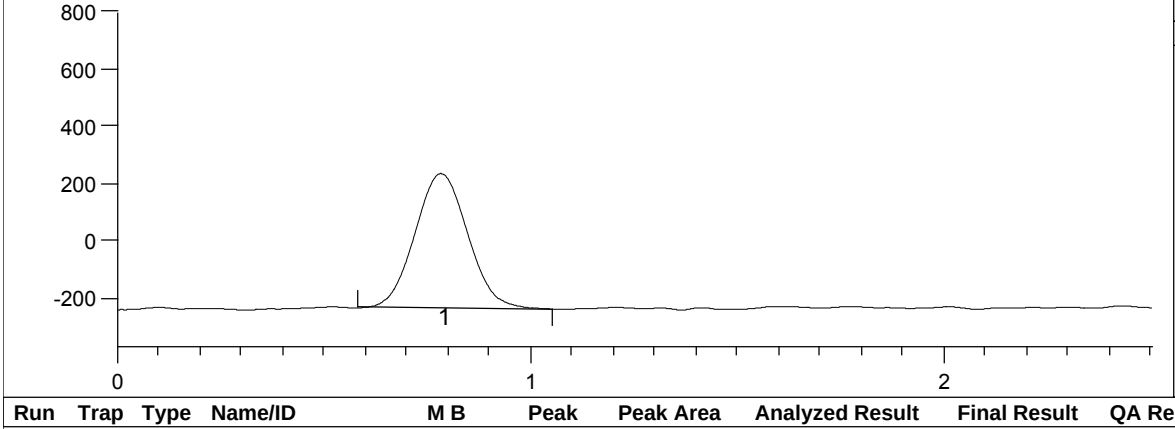


Date: 7/4/12
Time: 4:04 PM

Peak	rt	Area
1	0.77	5,103,639

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
53	X	CCV	SEQ-CCV		1	5,103,639	520.		104	77-123	accept

Notes



Date: 7/4/12
Time: 4:10 PM

Peak	rt	Area
1	0.78	42,408

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
54	Y	CCB	SEQ-CCB		1	42,408	4.36		4.36	< 50	accept

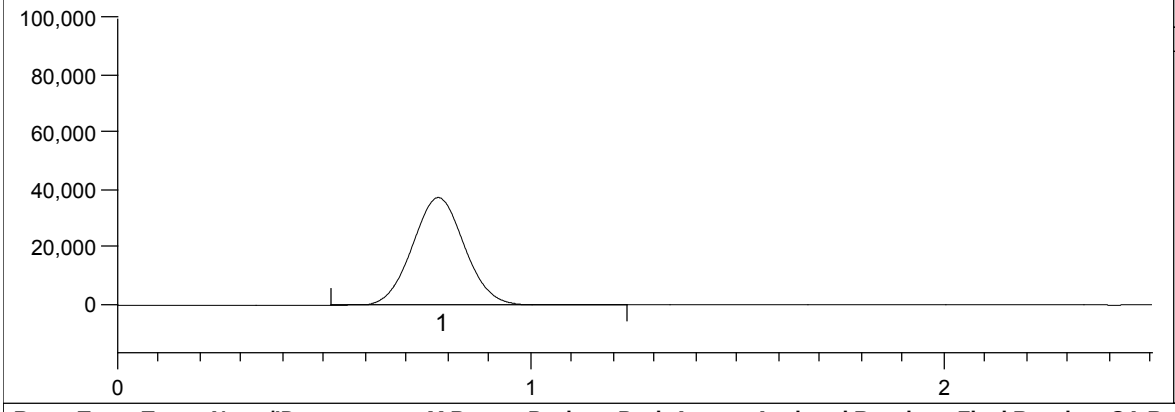
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

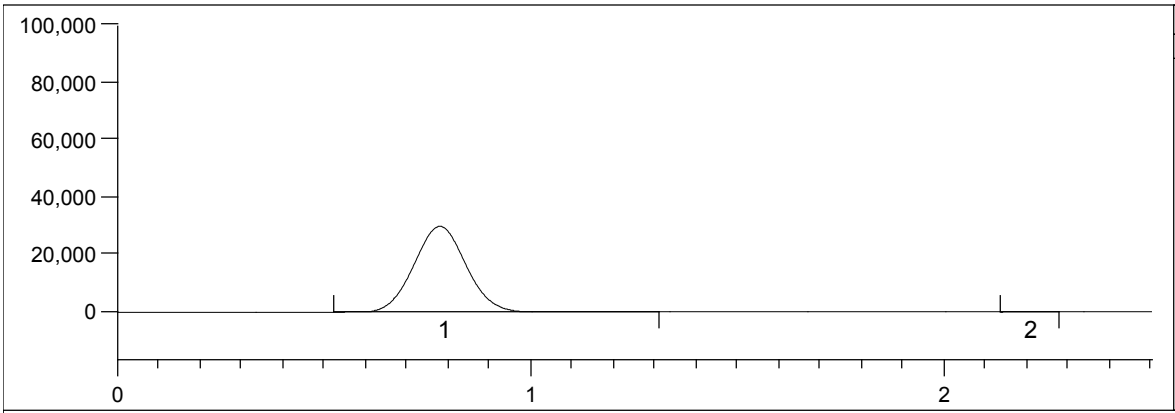


Date: 7/4/12
Time: 4:16 PM

Peak	rt	Area
1	0.77	3,350,746

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
55	X	S	1225015-09		1	3,350,746	340.	0.00		< HS	accept

Notes

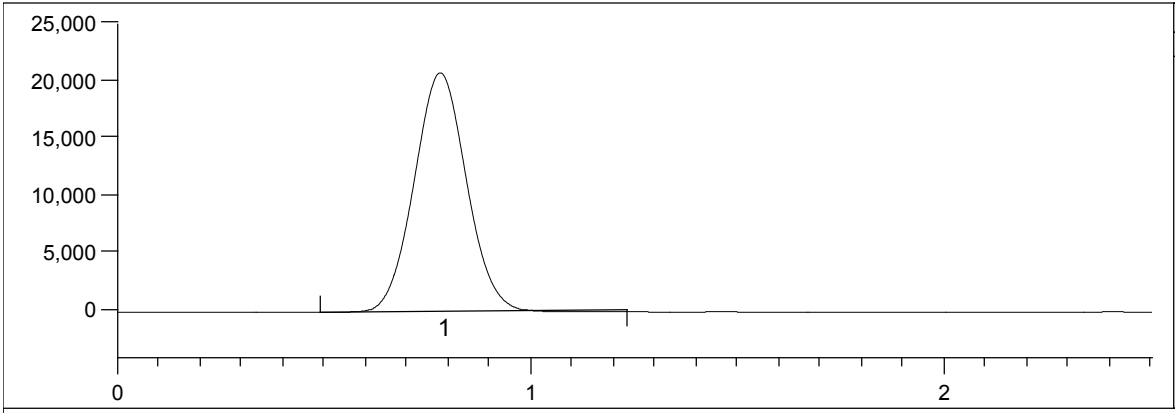


Date: 7/4/12
Time: 4:22 PM

Peak	rt	Area
1	0.78	2,681,666
2	2.19	556

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
56	Y	S	1225015-10		1	2,681,666	271	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 4:28 PM

Peak	rt	Area
1	0.78	1,863,129

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
57	X	S	1225015-15		1	1,863,129	187	0.00		< HS	accept

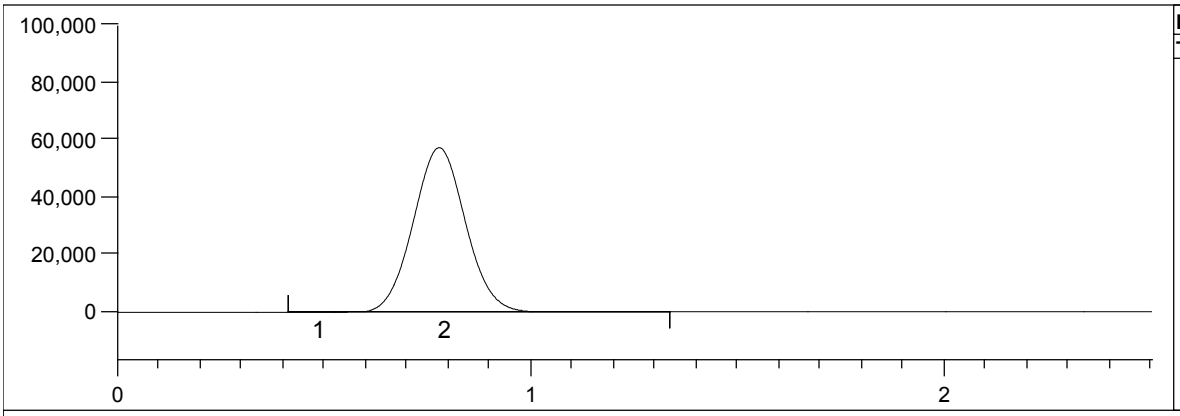
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

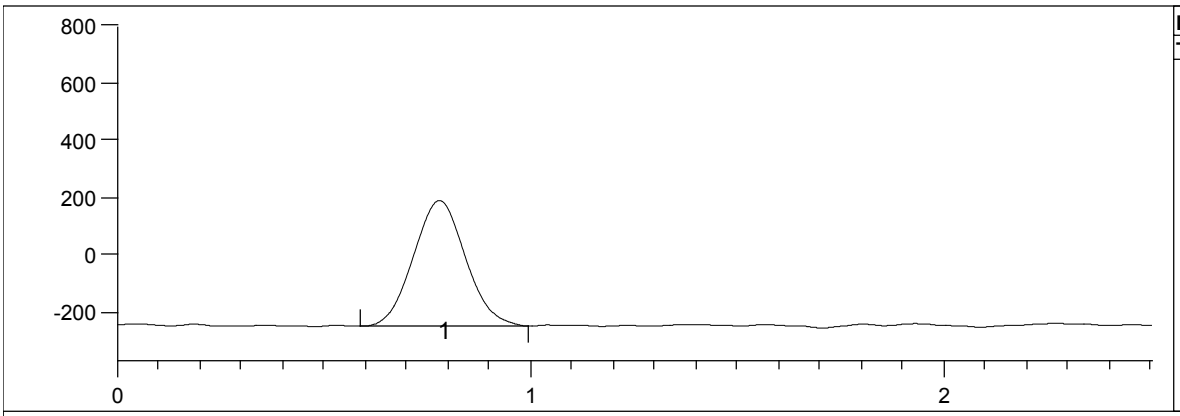
Date Analyzed: 7/4/12
Analyst Name: TE



Date: 7/4/12
Time: 4:34 PM

Peak	rt	Area
1	0.47	331
2	0.77	5,113,178

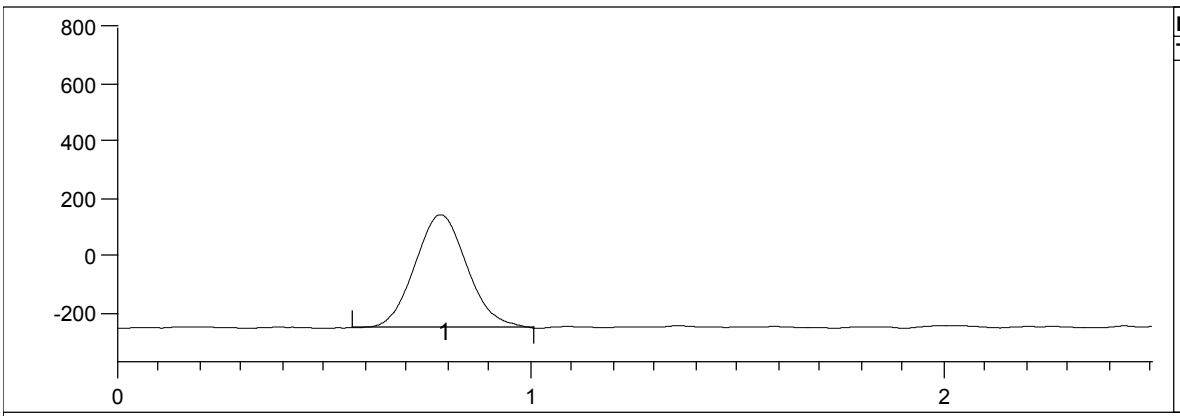
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
58	Y	CCV	SEQ-CCV		2	5,113,178	521		104	77-123	accept
Notes											



Date: 7/4/12
Time: 4:40 PM

Peak	rt	Area
1	0.78	39,062

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
59	X	CCB	SEQ-CCB		1	39,062	4.01		4.01	< 50	accept
Notes											



Date: 7/4/12
Time: 4:46 PM

Peak	rt	Area
1	0.78	35,456

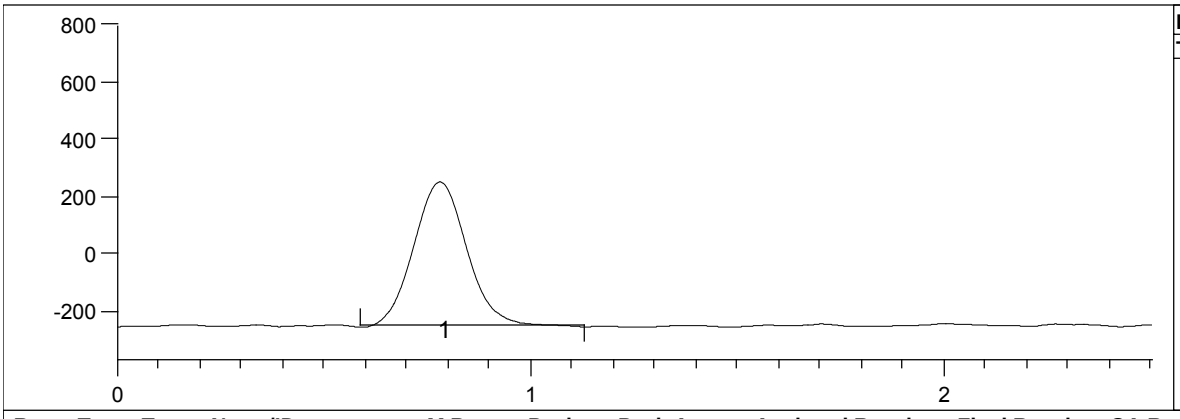
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
60	Y	S	B121095-BLK1		1	35,456	-0.862	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

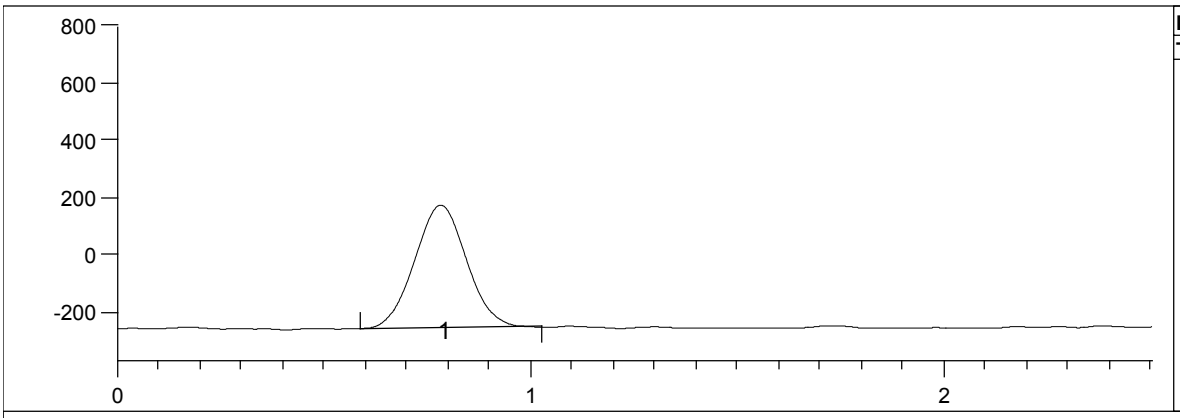


Date: 7/4/12
Time: 4:52 PM

Peak	rt	Area
1	0.78	46,535

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
61	X	S	B121095-BLK2		1	46,535	0.277	0.00		< HS	accept

Notes

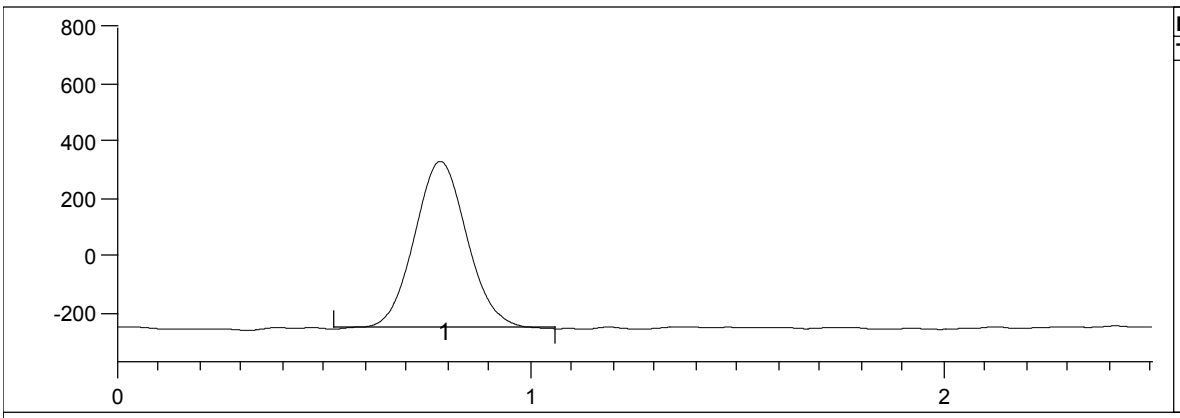


Date: 7/4/12
Time: 4:58 PM

Peak	rt	Area
1	0.78	38,267

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
62	Y	S	B121095-BLK3		1	38,267	-0.573	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 5:04 PM

Peak	rt	Area
1	0.78	52,907

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
63	X	S	B121095-BLK4		1	52,907	0.932	0.00		< HS	accept

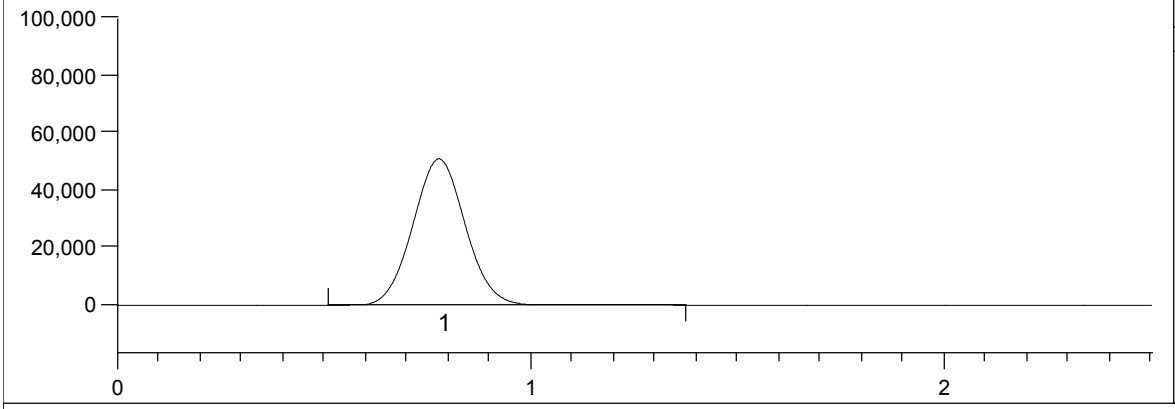
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

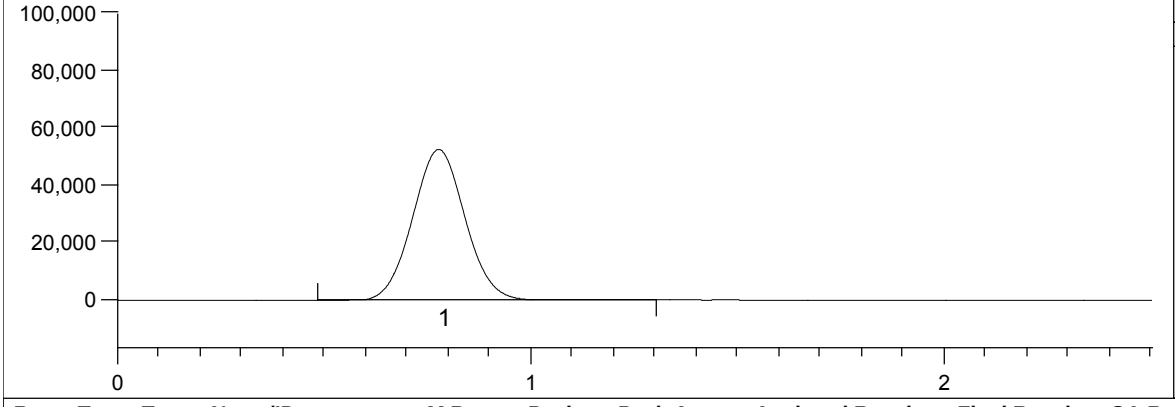
Date Analyzed: 7/4/12
Analyst Name: TE



Date: 7/4/12
Time: 5:10 PM

Peak	rt	Area
1	0.77	4,571,318

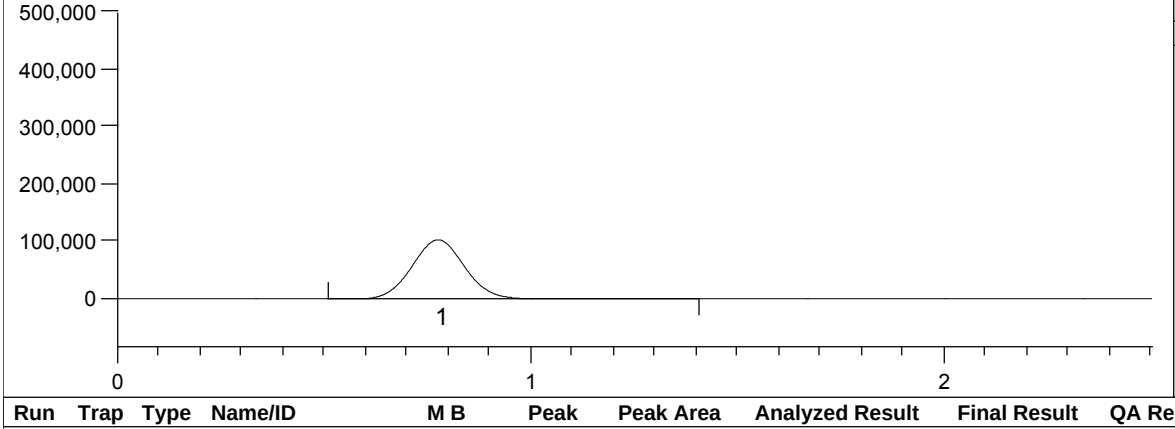
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
64	Y	S	B121095-SRM1		1	4,571,318	465	0.00		< HS	accept
Notes											



Date: 7/4/12
Time: 5:16 PM

Peak	rt	Area
1	0.77	4,701,790

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
65	X	S	B121095-SRM2		1	4,701,790	479	0.00		< HS	accept
Notes											



Date: 7/4/12
Time: 5:22 PM

Peak	rt	Area
1	0.77	9,231,827

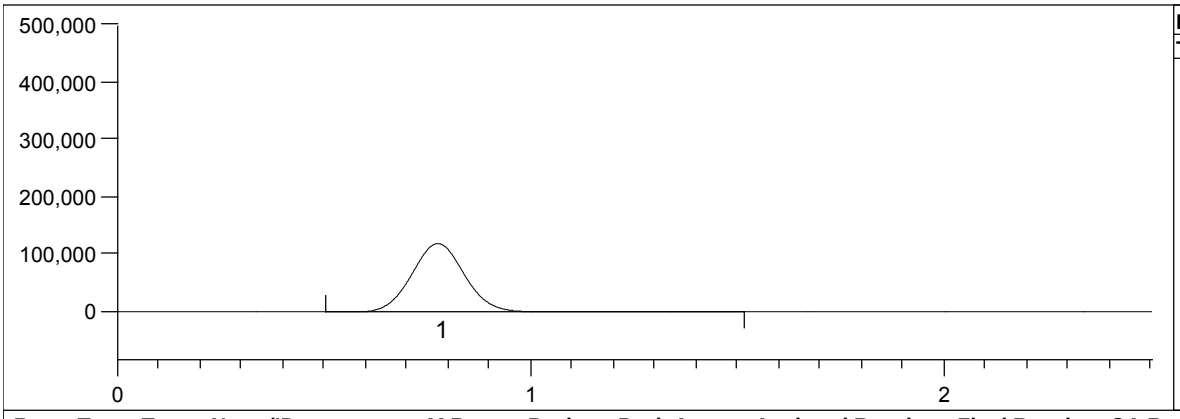
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
66	Y	S	1224038-01		1	9,231,827	944	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

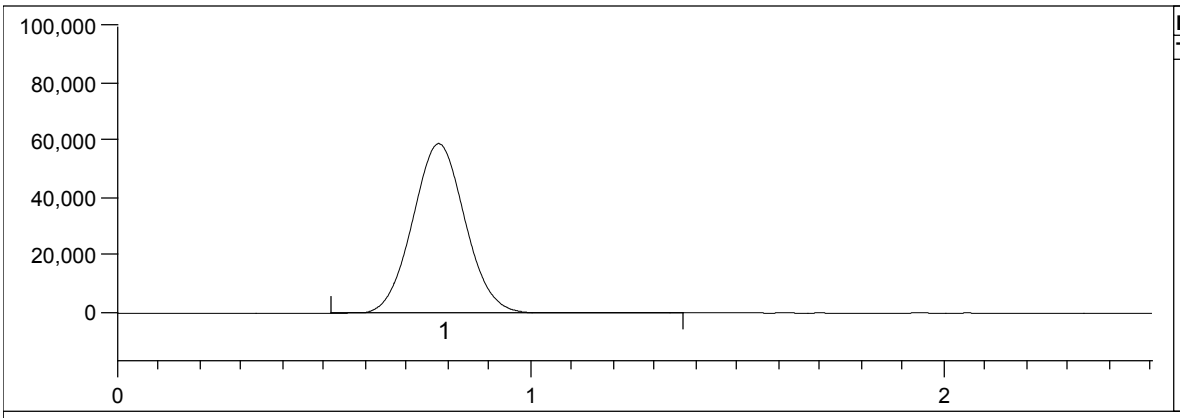


Date: 7/4/12
Time: 5:28 PM

Peak	rt	Area
1	0.77	10,695,666

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
67	X	S	1224038-02		1	10,695,666	1,090	0.00		< HS	accept

Notes

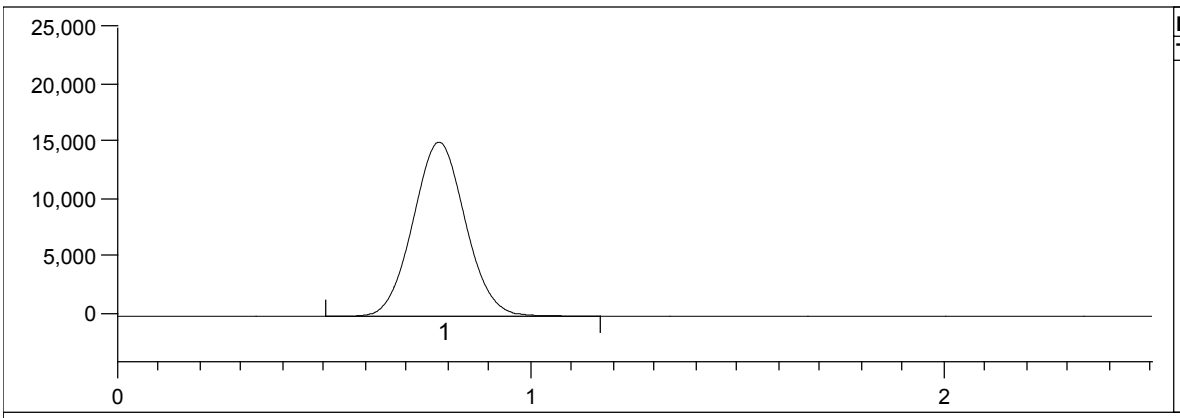


Date: 7/4/12
Time: 5:34 PM

Peak	rt	Area
1	0.77	5,290,197

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
68	Y	S	1224038-03		1	5,290,197	539	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 5:40 PM

Peak	rt	Area
1	0.77	1,354,118

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
69	X	S	1224038-04		1	1,354,118	135	0.00		< HS	accept

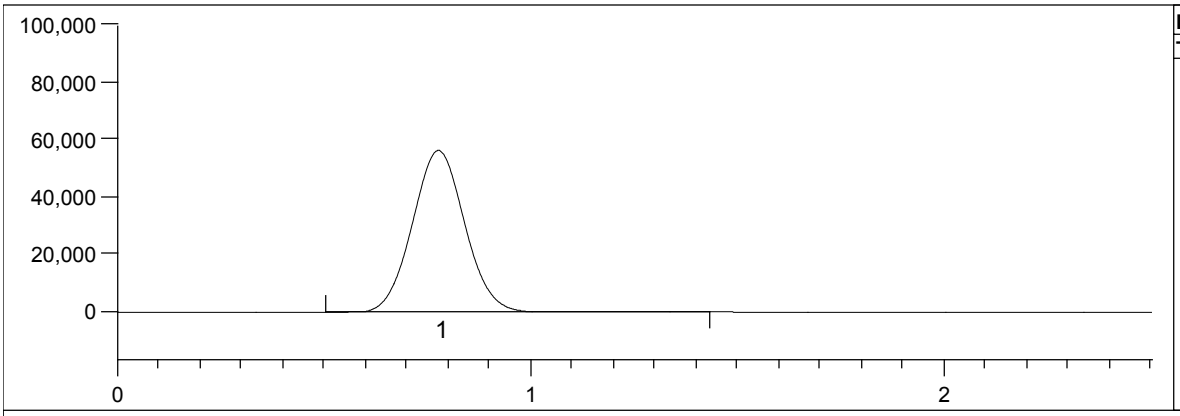
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

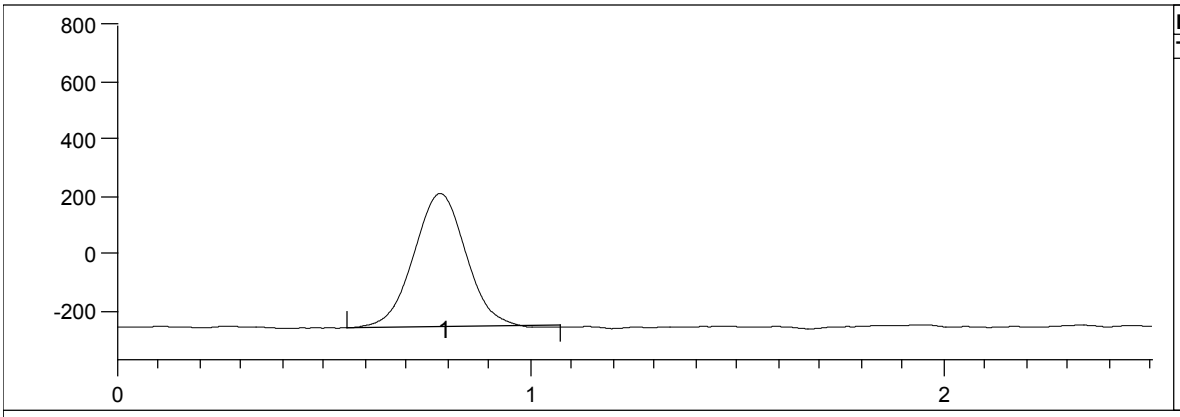


Date: 7/4/12
Time: 5:46 PM

Peak	rt	Area
1	0.77	5,033,594

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
70	Y	CCV	SEQ-CCV		1	5,033,594	513		103	77-123	accept

Notes

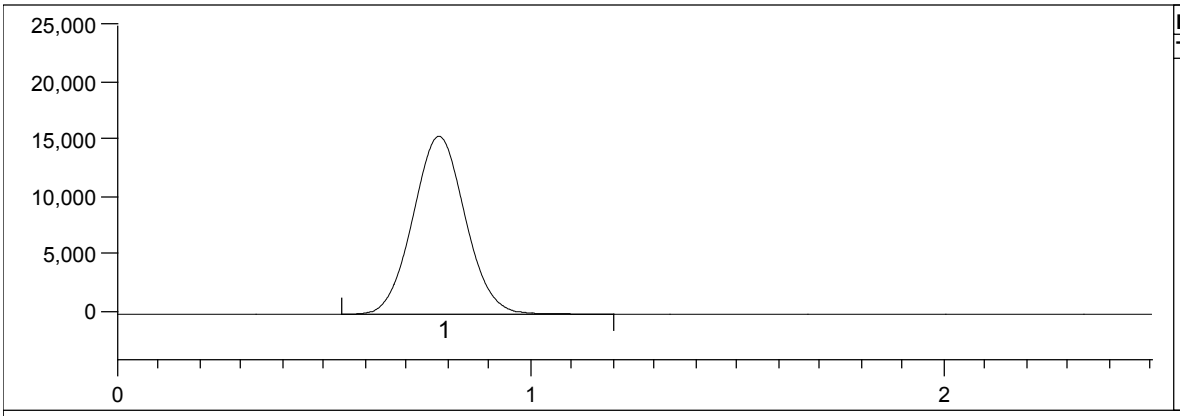


Date: 7/4/12
Time: 5:52 PM

Peak	rt	Area
1	0.78	42,211

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
71	X	CCB	SEQ-CCB		1	42,211	4.34		4.34	< 50	accept

Notes



Date: 7/4/12
Time: 5:58 PM

Peak	rt	Area
1	0.77	1,382,307

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
72	Y	S	B121095-DUP1		1	1,382,307	138	0.00		< HS	accept

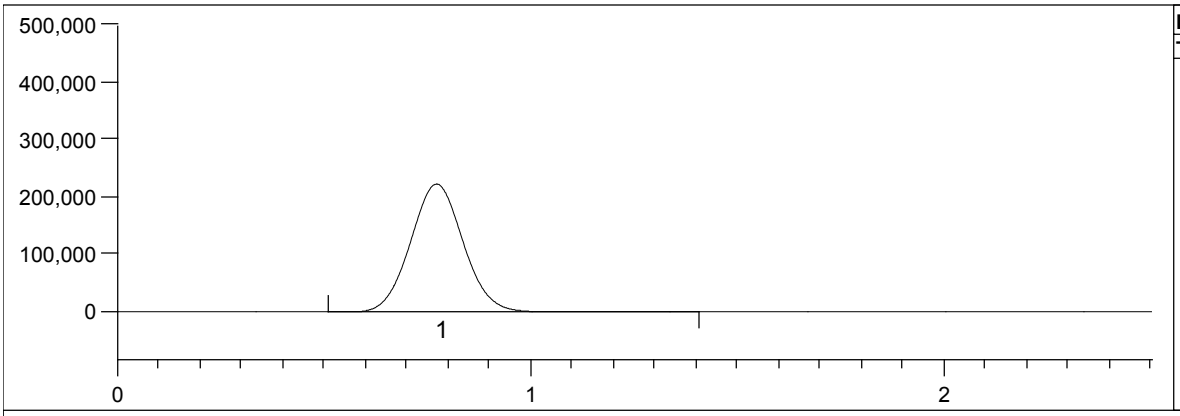
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

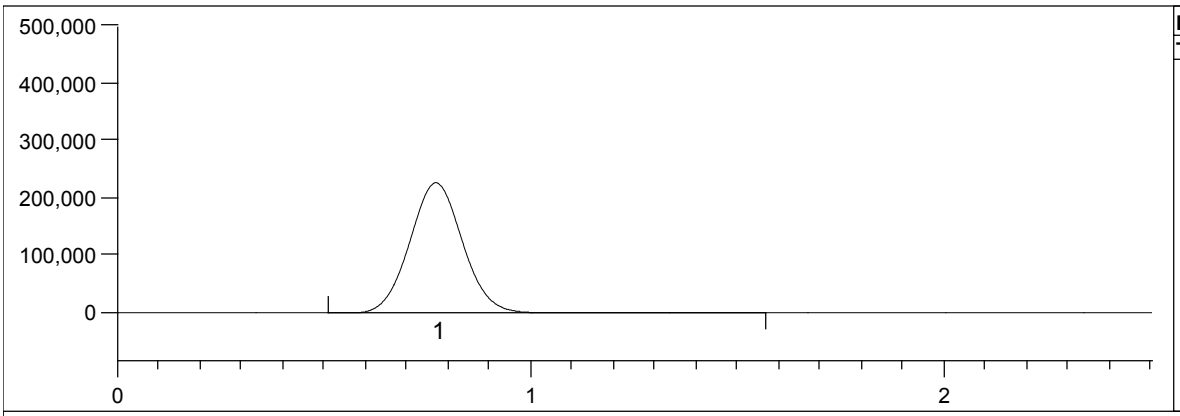


Date: 7/4/12
Time: 6:04 PM

Peak	rt	Area
1	0.77	19,933,725

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
73	X	S	B121095-MS1		1	19,933,725	2,040	0.00		< HS	accept

Notes

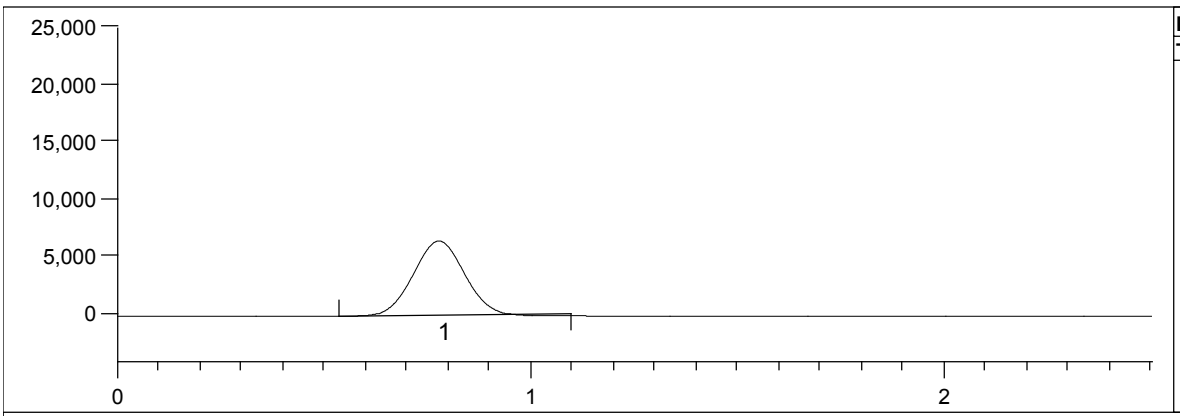


Date: 7/4/12
Time: 6:10 PM

Peak	rt	Area
1	0.77	20,321,237

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
74	Y	S	B121095-MSD1		1	20,321,237	2,080	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 6:16 PM

Peak	rt	Area
1	0.77	587,948

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
75	X	S	1225015-05		1	587,948	55.9	0.00		< HS	accept

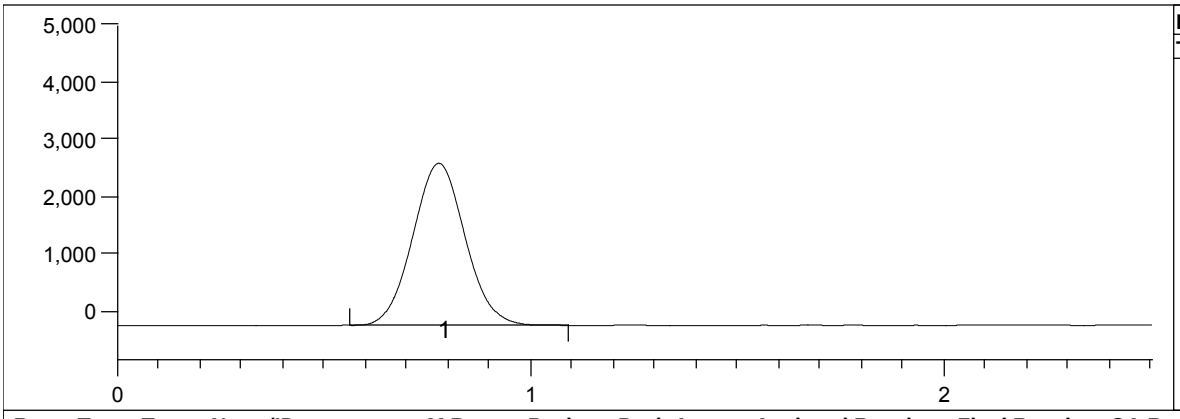
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

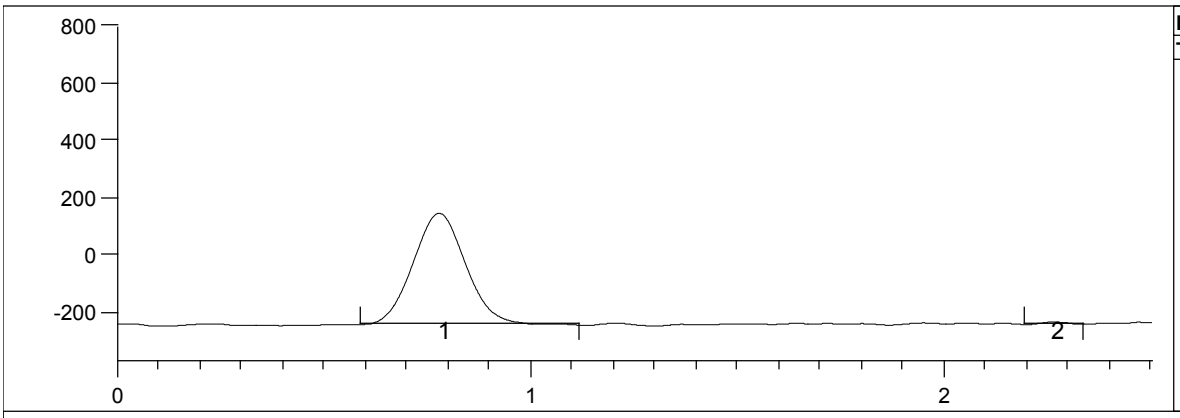


Date: 7/4/12
Time: 6:22 PM

Peak	rt	Area
1	0.77	252,065

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
76	Y	S	1225015-06		1	252,065	21.4	0.00		< HS	accept

Notes

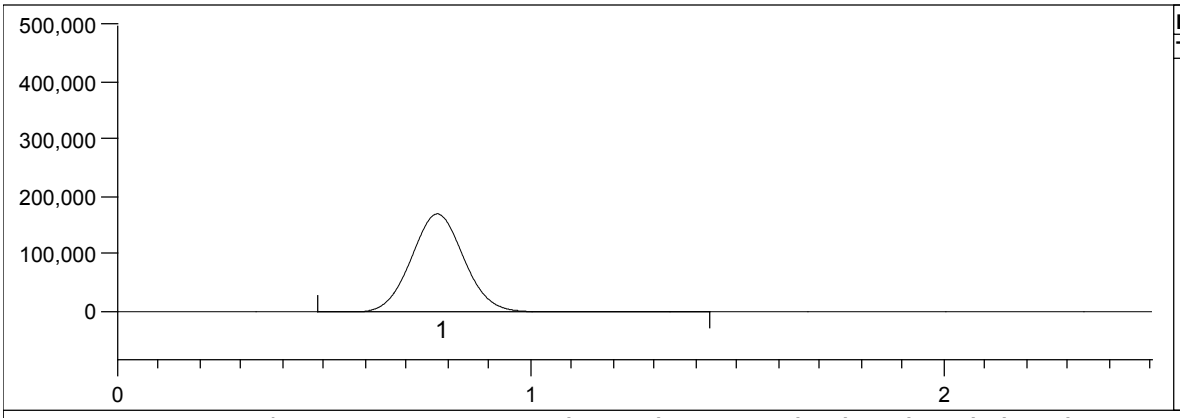


Date: 7/4/12
Time: 6:28 PM

Peak	rt	Area
1	0.77	35,186
2	2.26	419

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
77	X	S	1225015-07		1	35,186	-0.889	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 6:34 PM

Peak	rt	Area
1	0.77	15,288,750

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
78	Y	S	1225015-09		1	15,288,750	1,570	0.00		< HS	accept

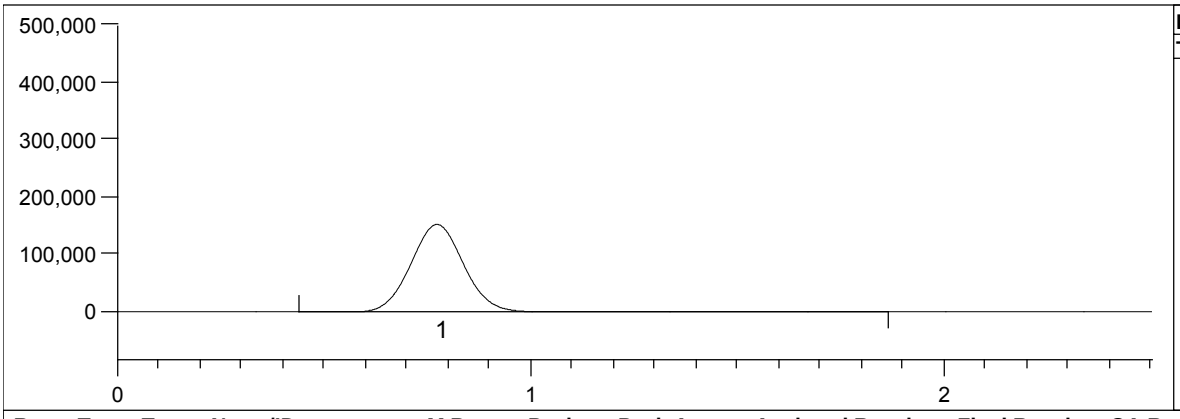
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

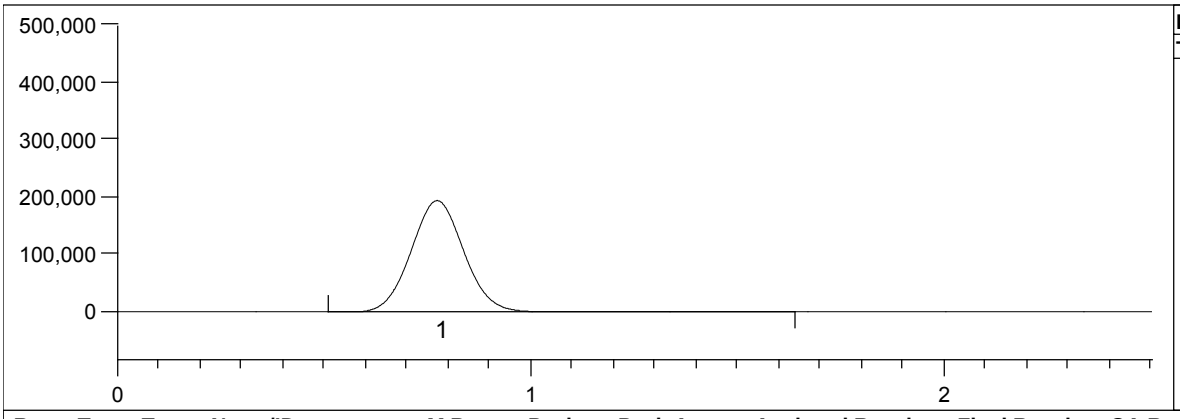


Date: 7/4/12
Time: 6:40 PM

Peak	rt	Area
1	0.77	13,687,364

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
79	X	S	1225015-10		1	13,687,364	1,400	0.00		< HS	accept

Notes

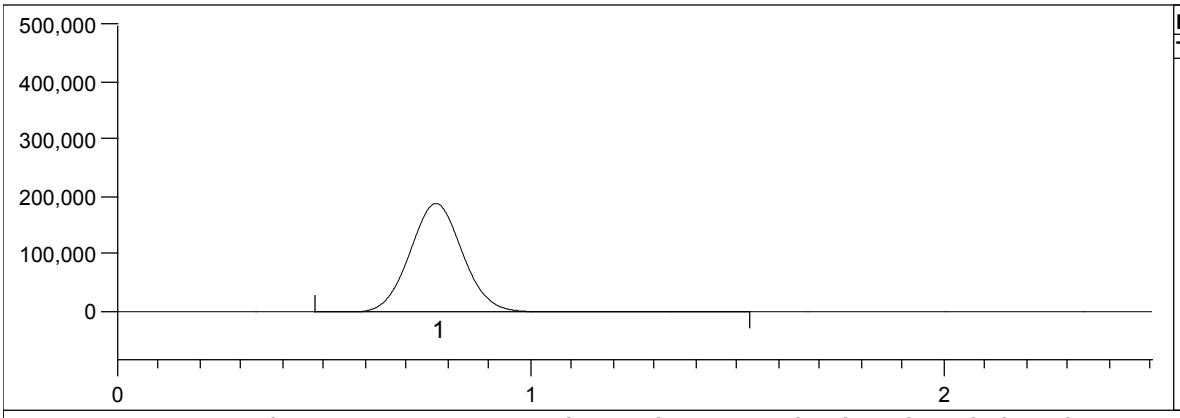


Date: 7/4/12
Time: 6:46 PM

Peak	rt	Area
1	0.77	17,386,619

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
80	Y	S	1225015-11		1	17,386,619	1,780	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 6:52 PM

Peak	rt	Area
1	0.77	16,902,171

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
81	X	S	B121095-DUP2		1	16,902,171	1,730	0.00		< HS	accept

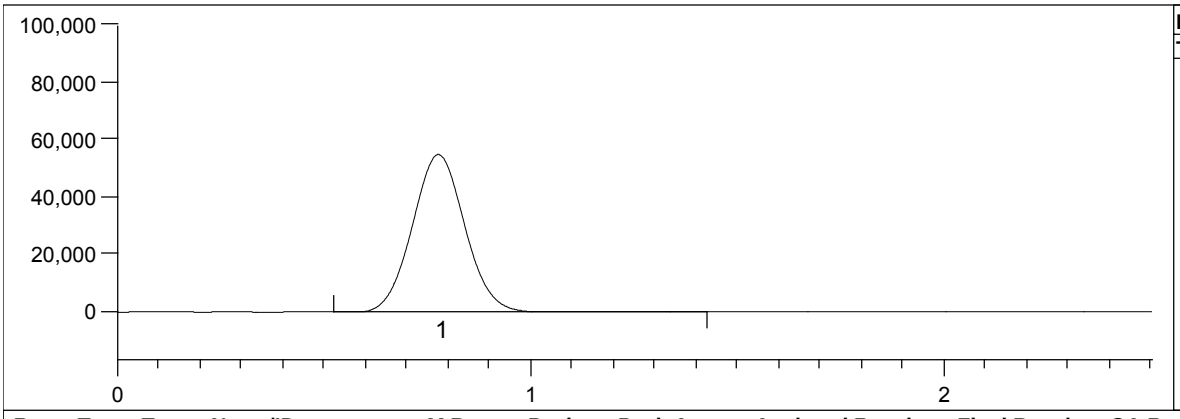
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

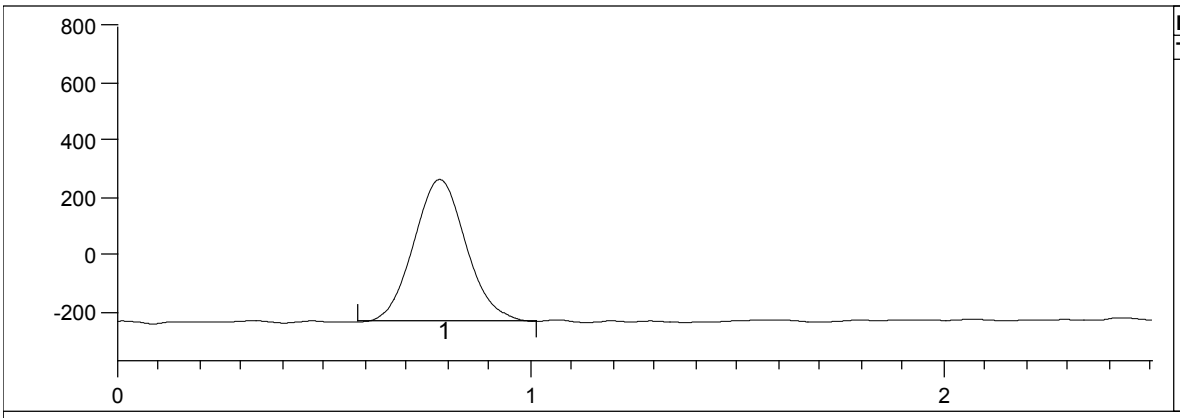
Date Analyzed: 7/4/12
Analyst Name: TE



Date: 7/4/12
Time: 6:58 PM

Peak	rt	Area
1	0.77	4,918,840

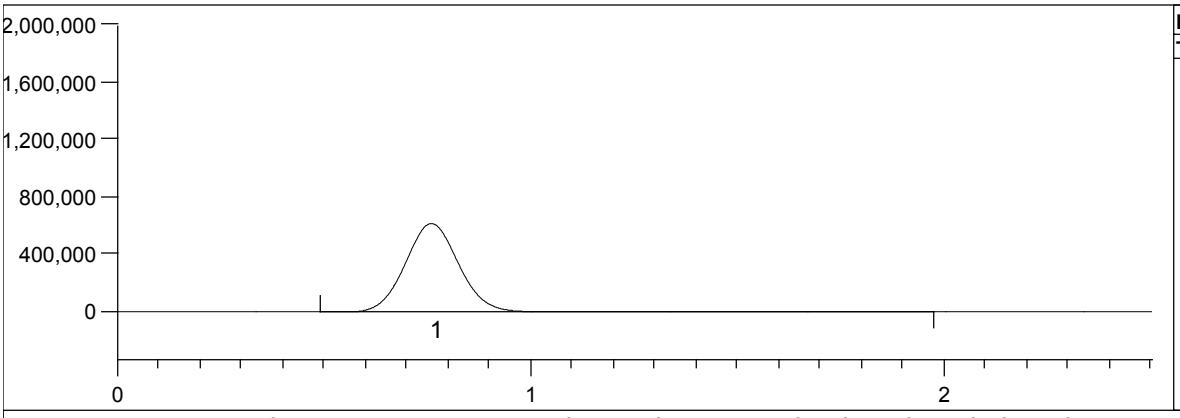
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
82	Y	CCV	SEQ-CCV		1	4,918,840	501		100.	77-123	accept
Notes											



Date: 7/4/12
Time: 7:04 PM

Peak	rt	Area
1	0.78	44,348

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
83	X	CCB	SEQ-CCB		1	44,348	4.56		4.56	< 50	accept
Notes											



Date: 7/4/12
Time: 7:10 PM

Peak	rt	Area
1	0.76	55,690,473

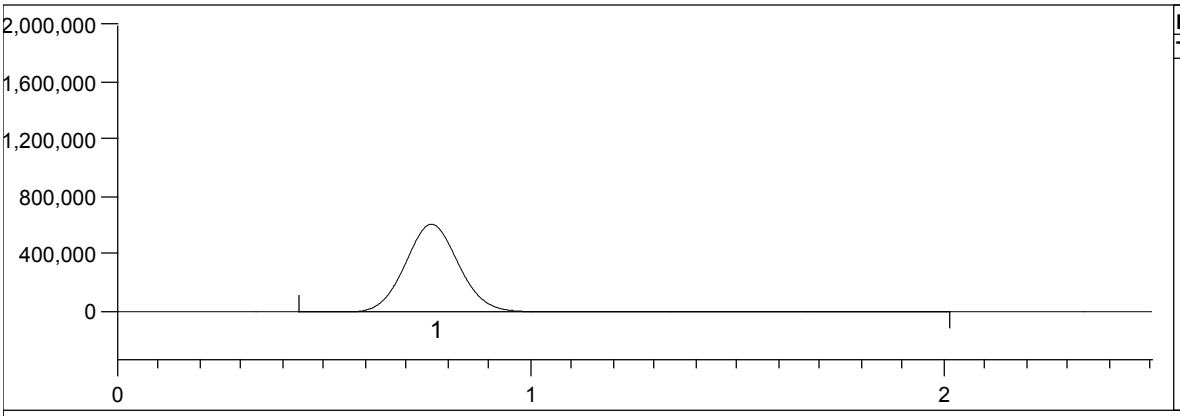
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
84	Y	S	B121095-MS2		1	55,690,473	5,720	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

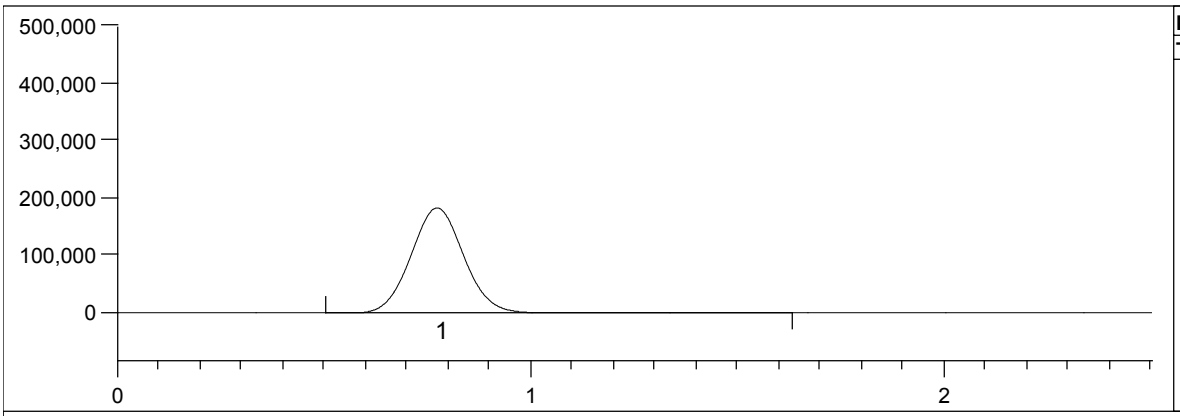


Date: 7/4/12
Time: 7:16 PM

Peak	rt	Area
1	0.76	55,343,657

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
85	X	S	B121095-MSD2		1	55,343,657	5,680	0.00		< HS	accept

Notes

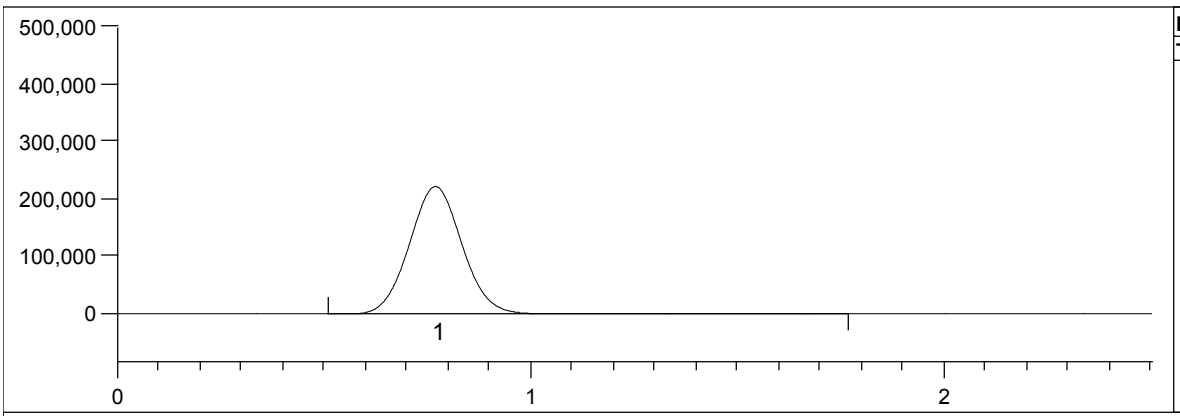


Date: 7/4/12
Time: 7:22 PM

Peak	rt	Area
1	0.77	16,390,187

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
86	Y	S	1225015-12		1	16,390,187	1,680	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 7:28 PM

Peak	rt	Area
1	0.76	19,875,006

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
87	X	S	1225015-13		1	19,875,006	2,040	0.00		< HS	accept

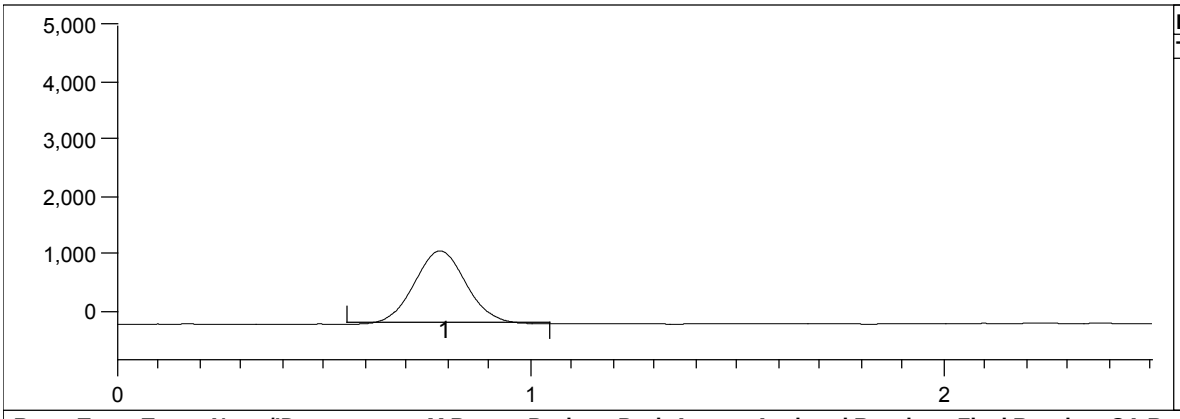
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

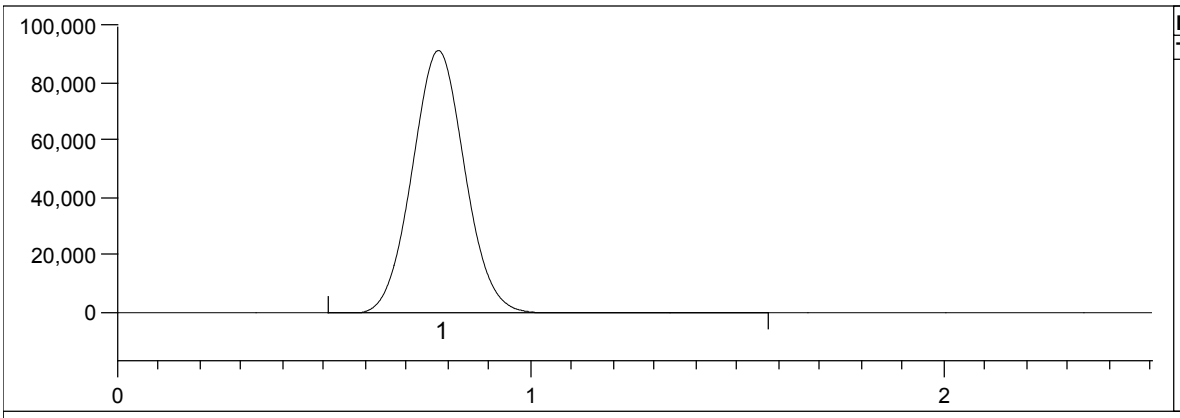


Date: 7/4/12
Time: 7:34 PM

Peak	rt	Area
1	0.78	115,228

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
88	Y	S	1225015-14		1	115,228	7.34	0.00		< HS	accept

Notes

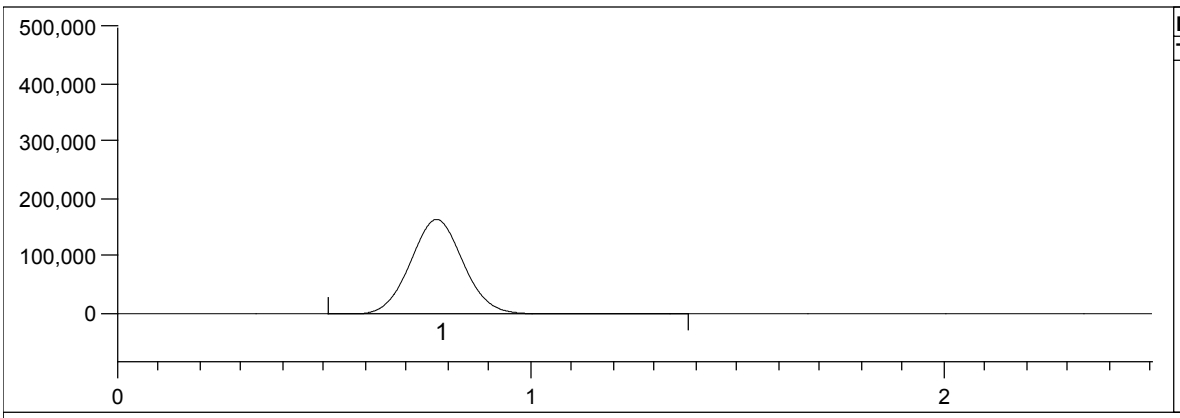


Date: 7/4/12
Time: 7:40 PM

Peak	rt	Area
1	0.77	8,208,912

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
89	X	S	1225011-01		1	8,208,912	839	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 7:46 PM

Peak	rt	Area
1	0.77	14,752,881

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
90	Y	S	1225011-02		1	14,752,881	1,510	0.00		< HS	accept

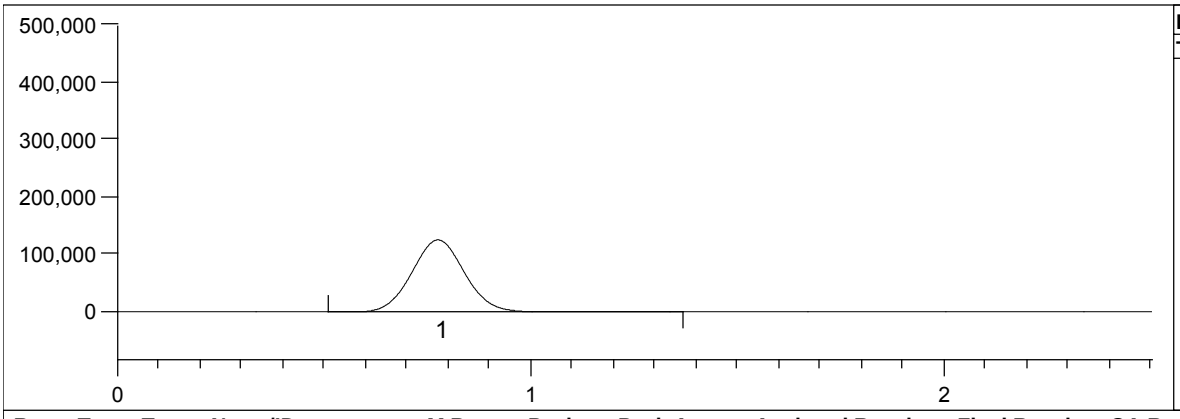
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

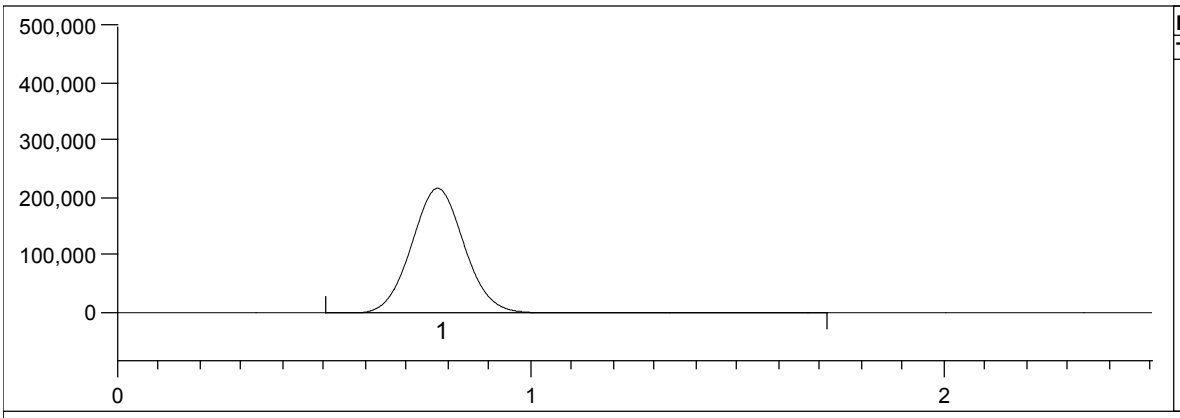


Date: 7/4/12
Time: 7:52 PM

Peak	rt	Area
1	0.77	11,244,041

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
91	X	S	1225011-03		1	11,244,041	1,150	0.00		< HS	accept

Notes

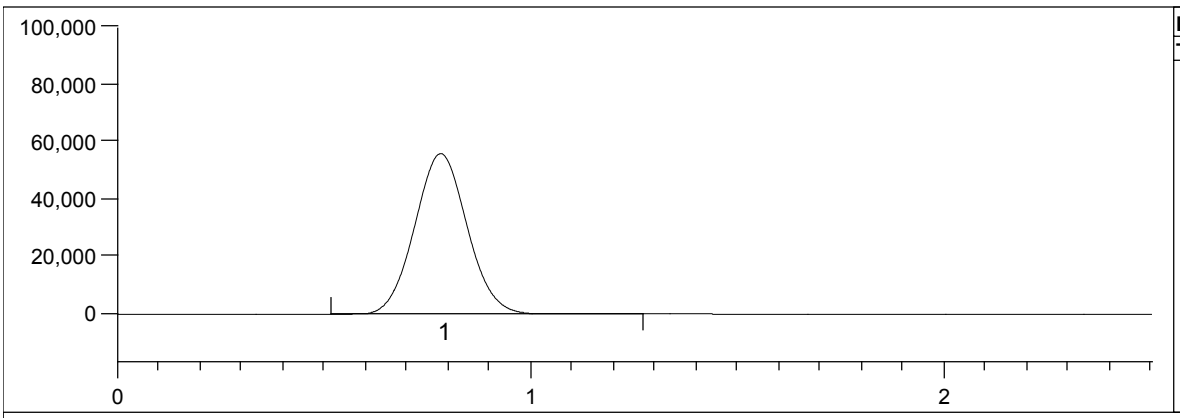


Date: 7/4/12
Time: 7:58 PM

Peak	rt	Area
1	0.77	19,440,454

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
92	Y	S	1225011-04		1	19,440,454	1,990	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 8:04 PM

Peak	rt	Area
1	0.78	5,009,954

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
93	X	CCV	SEQ-CCV		1	5,009,954	510.		102	77-123	accept

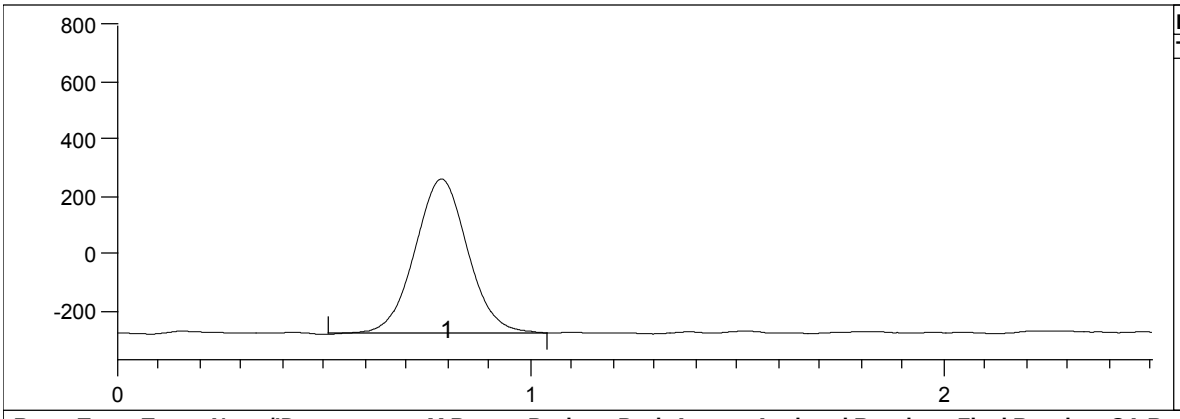
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

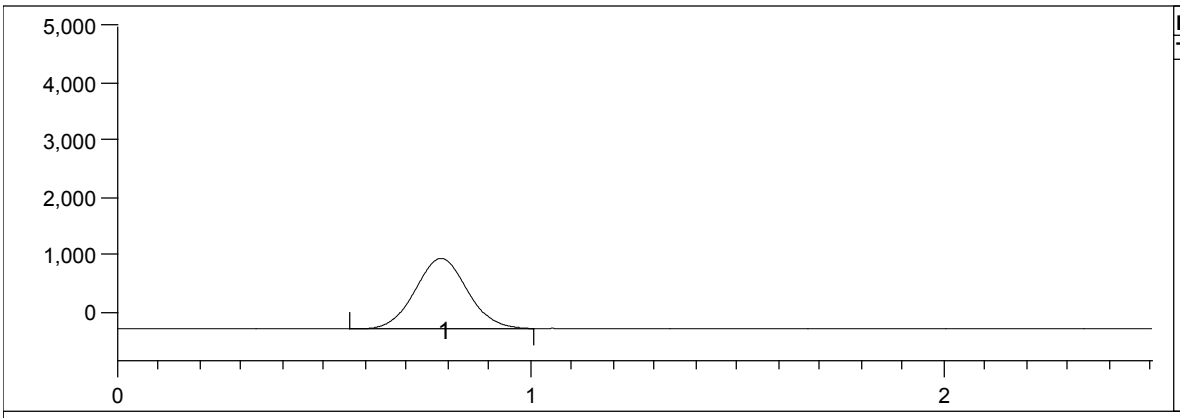


Date: 7/4/12
Time: 8:10 PM

Peak	rt	Area
1	0.78	48,827

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
94	Y	CCB	SEQ-CCB		1	48,827	5.02		5.02	< 50	accept

Notes

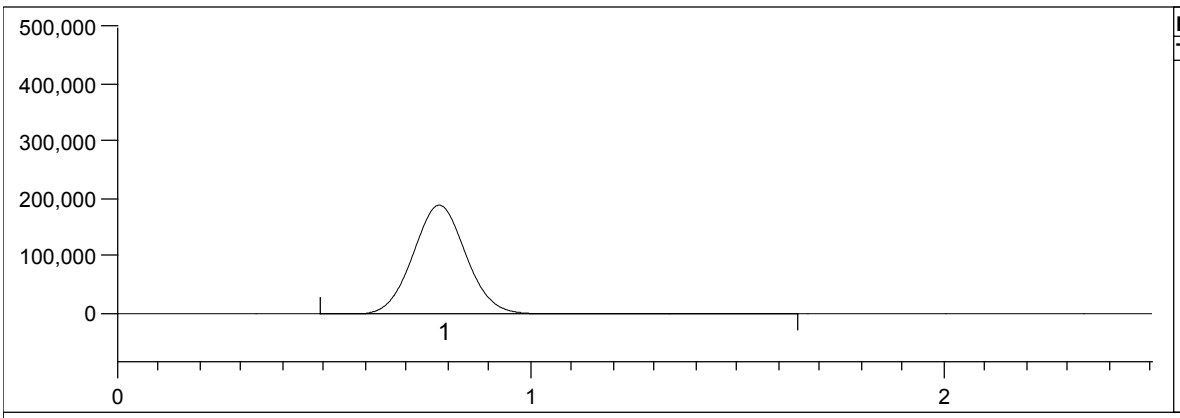


Date: 7/4/12
Time: 8:16 PM

Peak	rt	Area
1	0.78	109,908

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
95	X	S	1225011-05		1	109,908	6.79	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 8:22 PM

Peak	rt	Area
1	0.77	17,046,808

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
96	Y	S	1225011-06		1	17,046,808	1,750	0.00		< HS	accept

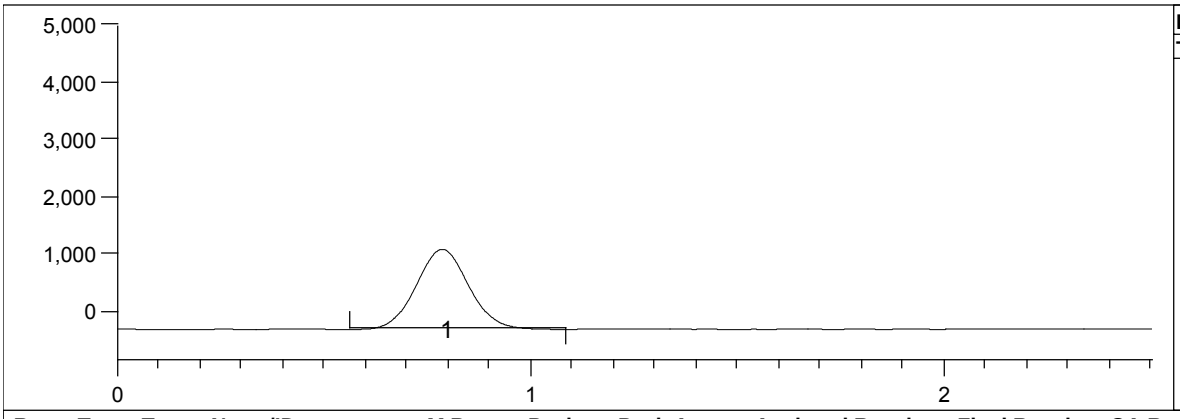
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

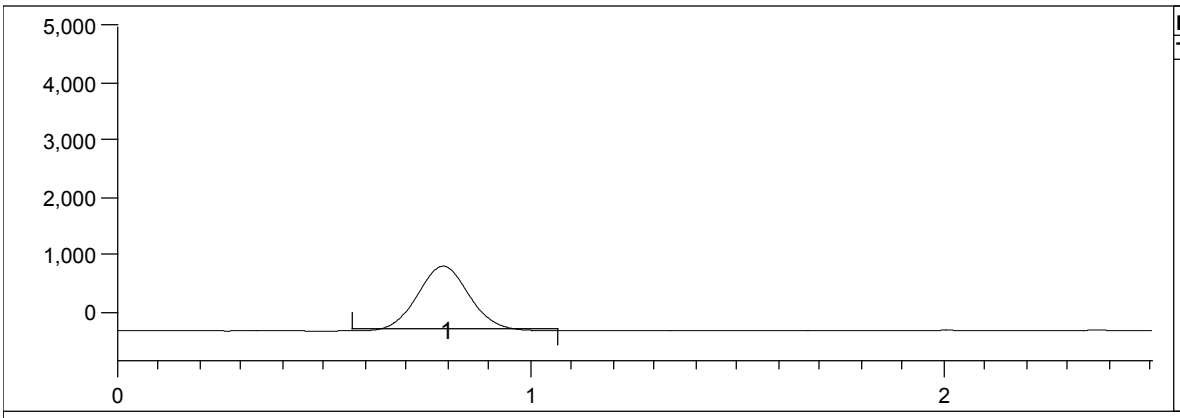


Date: 7/4/12
Time: 8:28 PM

Peak	rt	Area
1	0.78	126,413

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
97	X	S	1225011-07		1	126,413	8.48	0.00		< HS	accept

Notes

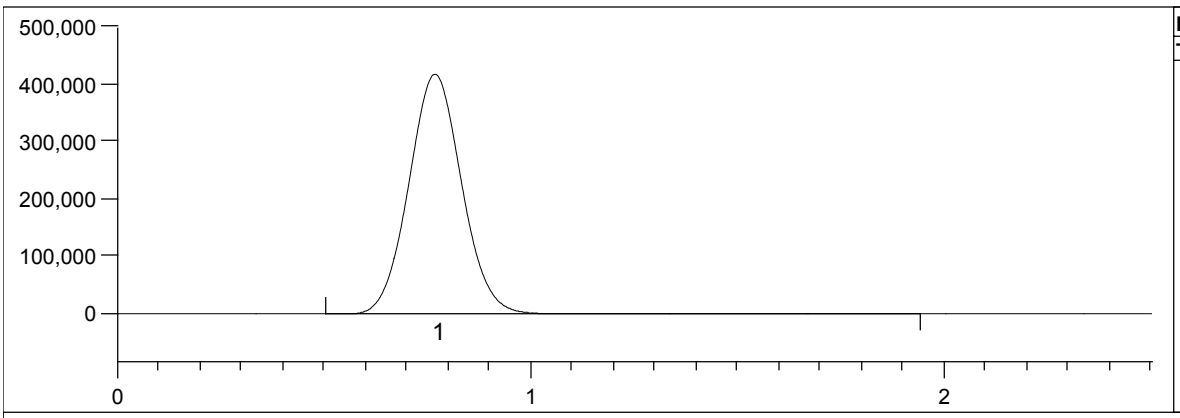


Date: 7/4/12
Time: 8:34 PM

Peak	rt	Area
1	0.78	101,465

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
98	Y	S	B121095-DUP3		1	101,465	5.92	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 8:40 PM

Peak	rt	Area
1	0.76	37,408,911

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
99	X	S	B121095-MS3		1	37,408,911	3,840	0.00		< HS	accept

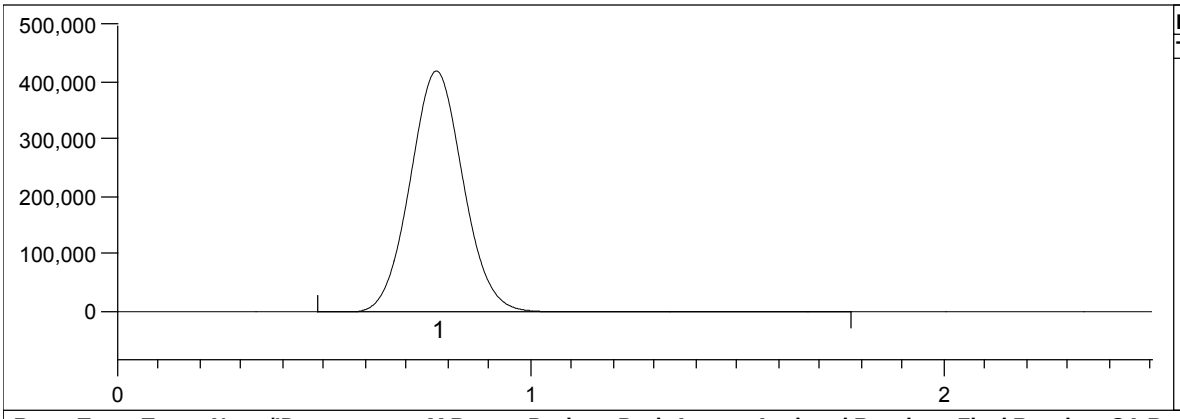
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

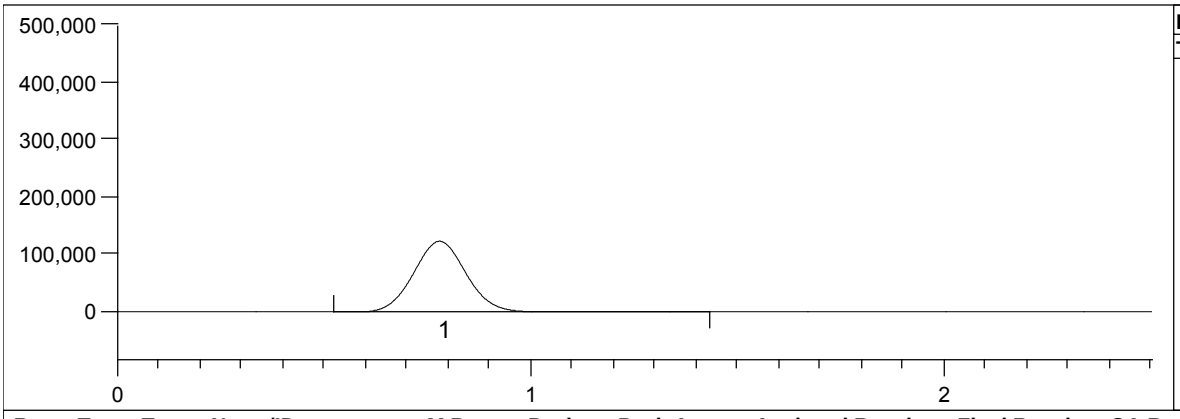
Date Analyzed: 7/4/12
Analyst Name: TE



Date: 7/4/12
Time: 8:46 PM

Peak	rt	Area
1	0.77	37,757,939

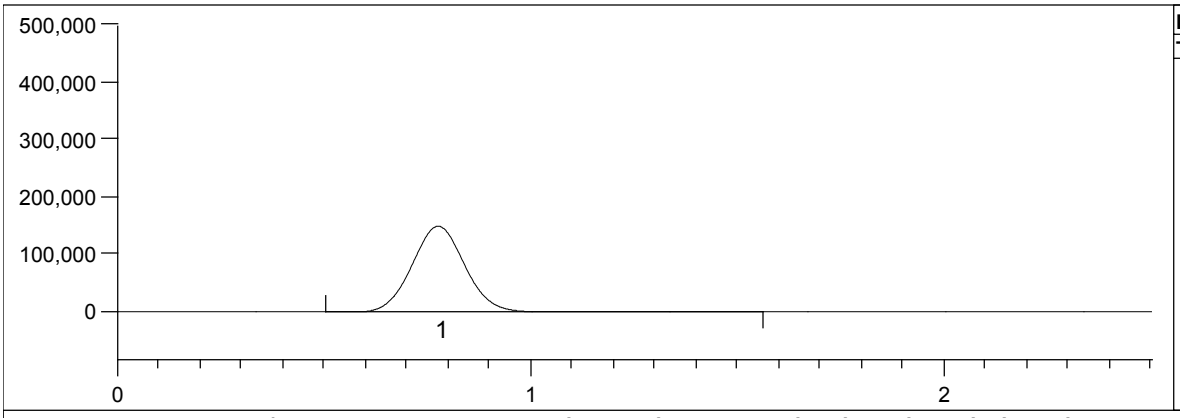
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
100	Y	S	B121095-MSD3		1	37,757,939	3,880	0.00		< HS	accept
Notes											



Date: 7/4/12
Time: 8:52 PM

Peak	rt	Area
1	0.78	11,028,373

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
101	X	S	1225011-08		1	11,028,373	1,130	0.00		< HS	accept
Notes											



Date: 7/4/12
Time: 8:58 PM

Peak	rt	Area
1	0.77	13,410,270

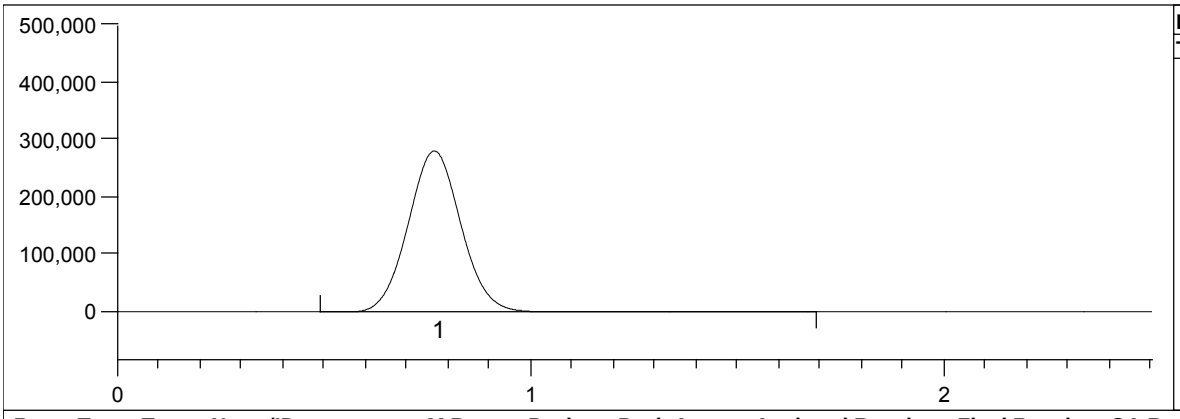
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
102	Y	S	1225011-09		1	13,410,270	1,370	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

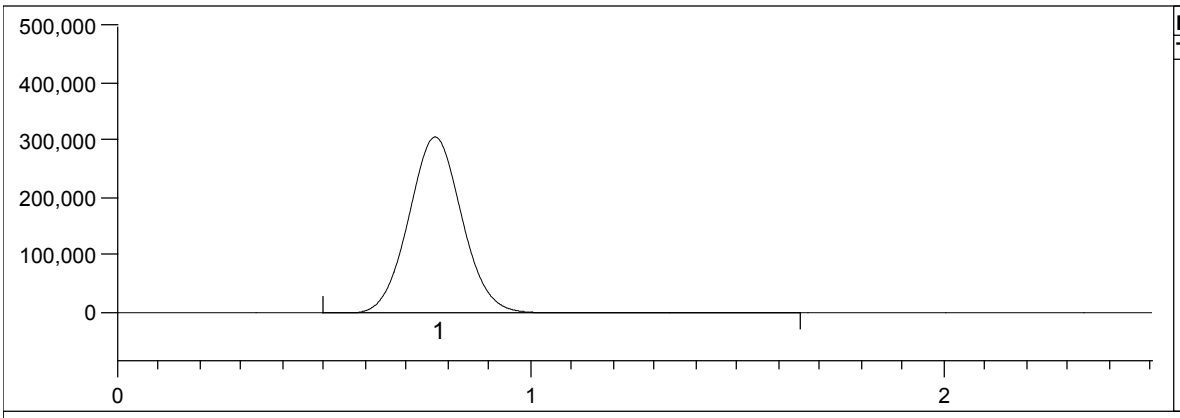
Date Analyzed: 7/4/12
Analyst Name: TE



Date: 7/4/12
Time: 9:04 PM

Peak	rt	Area
1	0.76	25,110,122

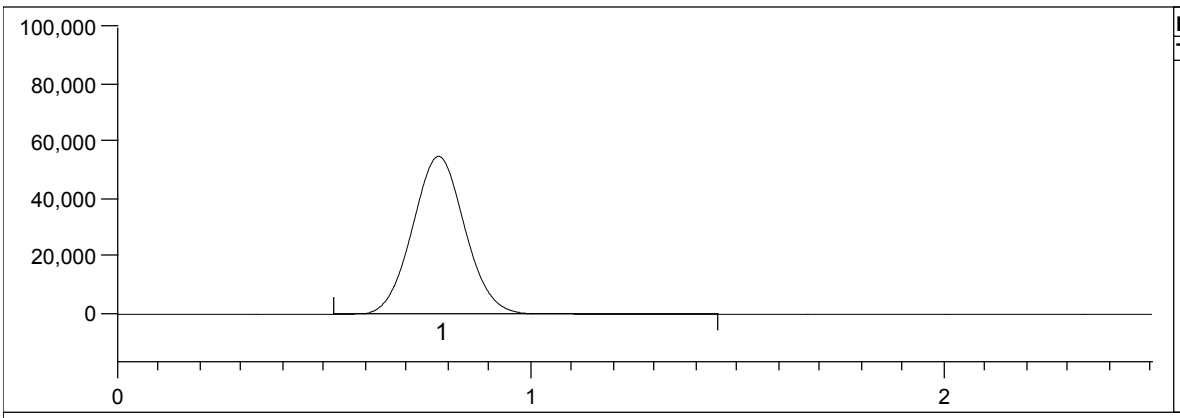
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
103	X	S	1225011-10		1	25,110,122	2,580	0.00		< HS	accept
Notes											



Date: 7/4/12
Time: 9:10 PM

Peak	rt	Area
1	0.76	27,607,230

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
104	Y	S	1225011-11		1	27,607,230	2,830	0.00		< HS	accept
Notes											



Date: 7/4/12
Time: 9:16 PM

Peak	rt	Area
1	0.77	4,937,515

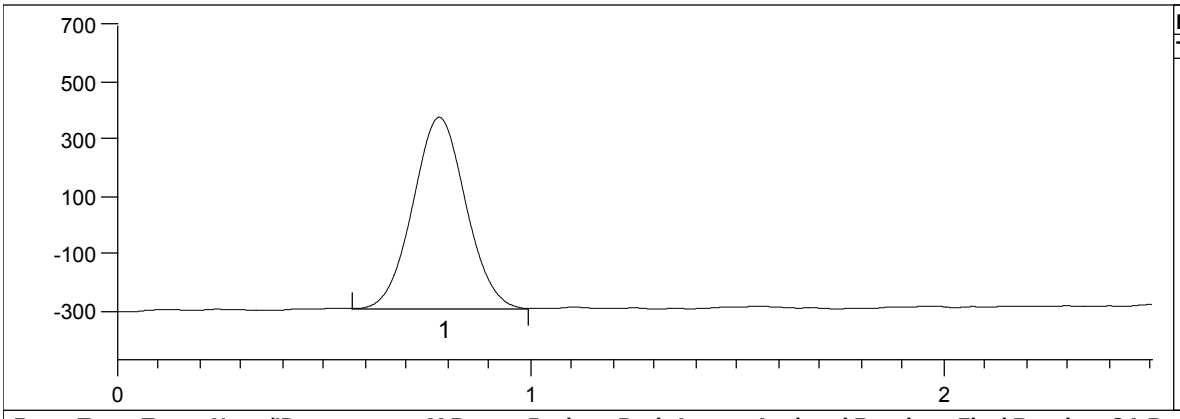
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
105	X	CCV	SEQ-CCV		1	4,937,515	503		101	77-123	accept
Notes											

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

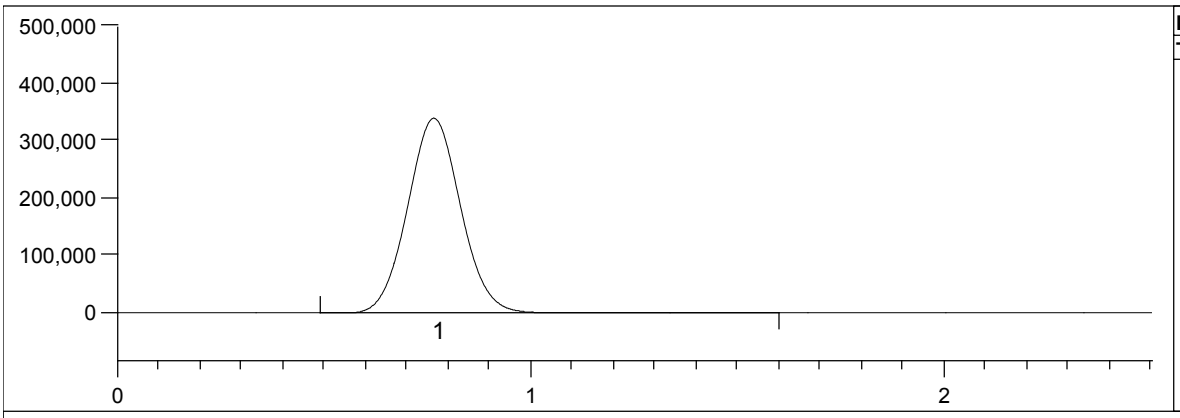


Date: 7/4/12
Time: 9:22 PM

Peak	rt	Area
1	0.77	59,536

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
106	Y	CCB	SEQ-CCB		1	59,536	6.12		6.12	< 50	accept

Notes

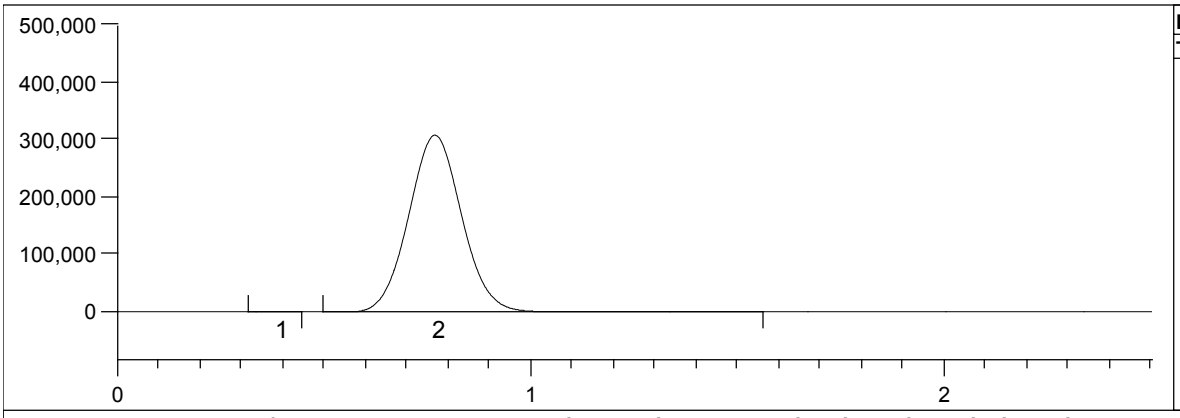


Date: 7/4/12
Time: 9:28 PM

Peak	rt	Area
1	0.76	30,528,584

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
107	X	S	1225011-12		1	30,528,584	3,130	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 9:34 PM

Peak	rt	Area
1	0.38	460
2	0.76	27,682,117

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
108	Y	S	1225011-13		2	27,682,117	2,840	0.00		< HS	accept

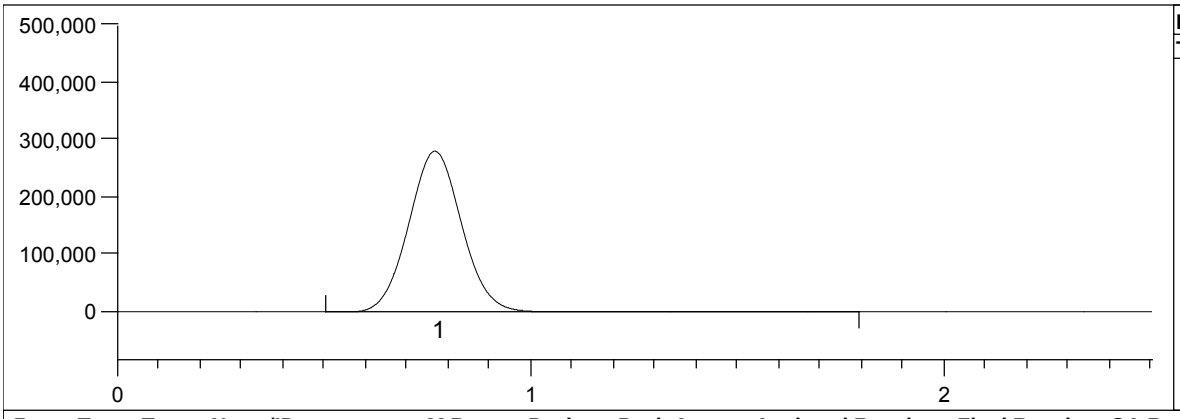
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

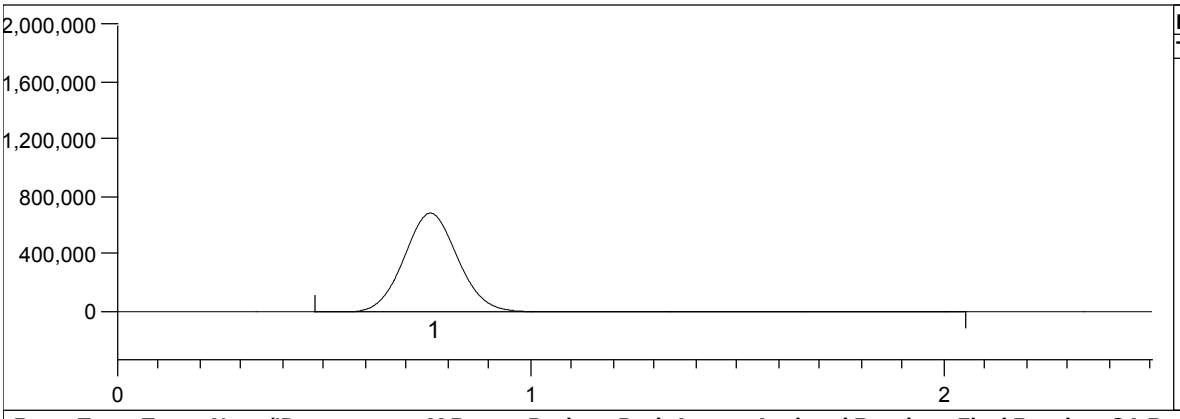
Date Analyzed: 7/4/12
Analyst Name: TE



Date: 7/4/12
Time: 9:40 PM

Peak	rt	Area
1	0.76	25,213,190

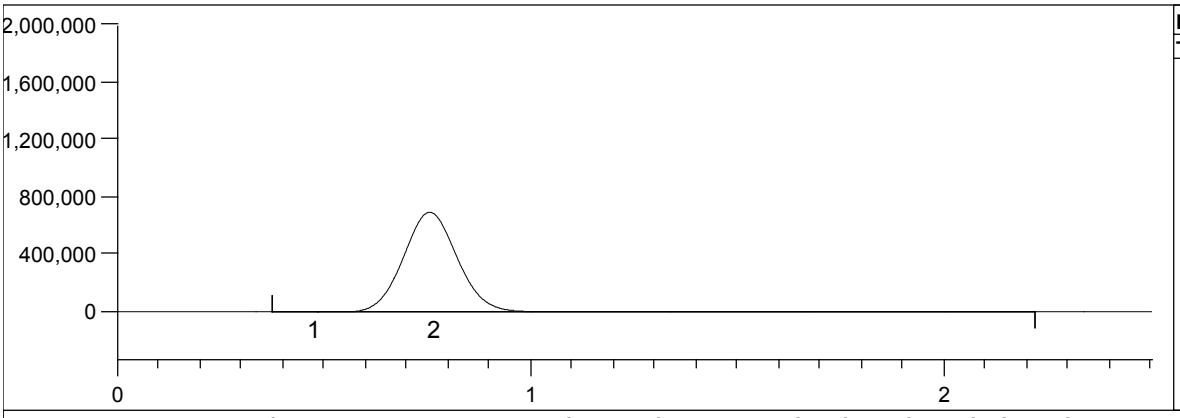
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
109	X	S	B121095-DUP4		1	25,213,190	2,590	0.00		< HS	accept
Notes											



Date: 7/4/12
Time: 9:46 PM

Peak	rt	Area
1	0.75	62,817,204

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
110	Y	S	B121095-MS4		1	62,817,204	6,450	0.00		< HS	accept
Notes											



Date: 7/4/12
Time: 9:52 PM

Peak	rt	Area
1	0.46	298
2	0.75	63,462,621

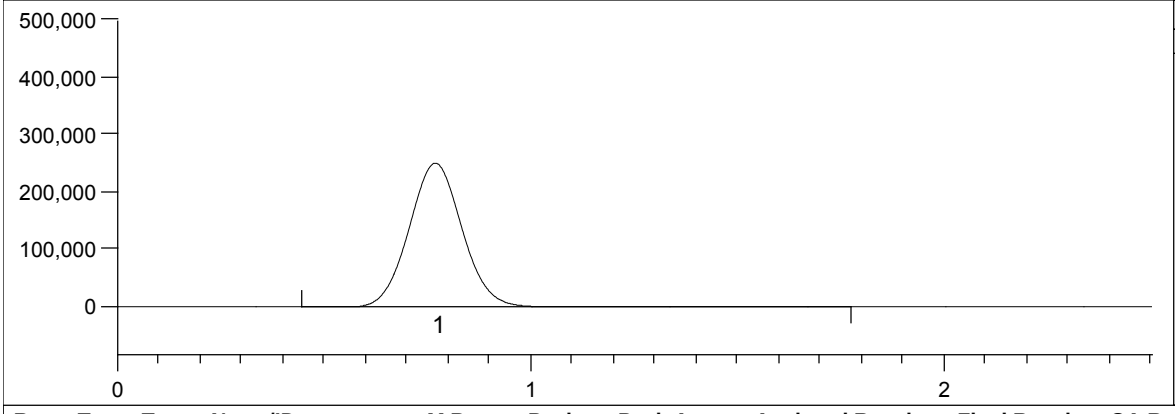
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
111	X	S	B121095-MSD4		2	63,462,621	6,520	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

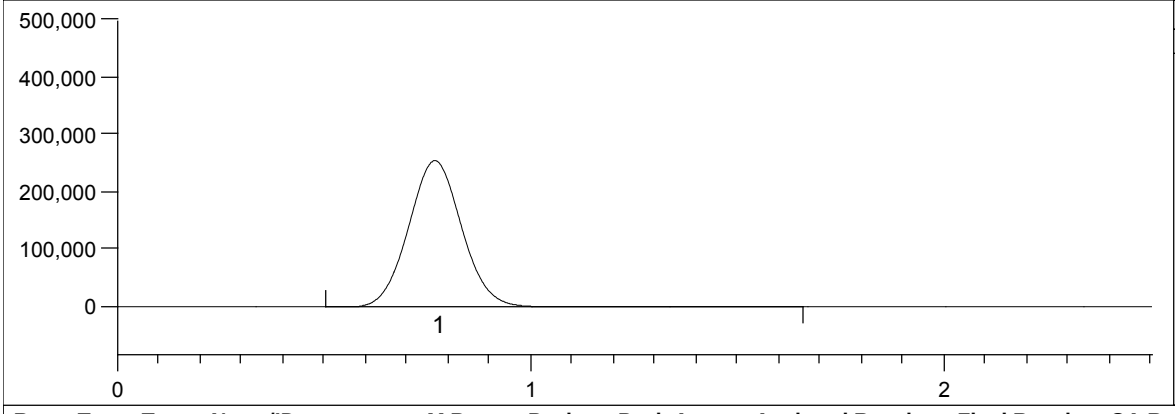
Date Analyzed: 7/4/12
Analyst Name: TE



Date: 7/4/12
Time: 9:58 PM

Peak	rt	Area
1	0.76	22,524,497

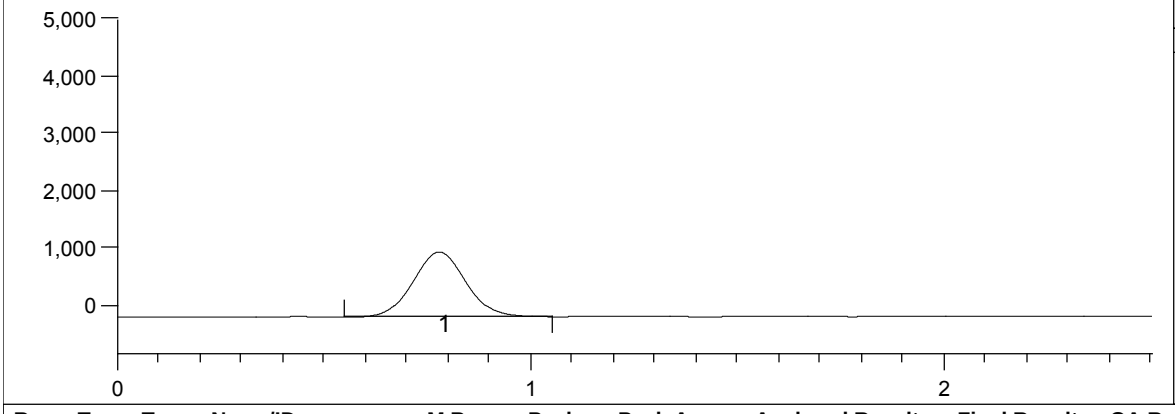
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
112	Y	S	1225011-14		1	22,524,497	2,310	0.00		< HS	accept
Notes											



Date: 7/4/12
Time: 10:04 PM

Peak	rt	Area
1	0.76	22,965,837

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
113	X	S	1225011-15		1	22,965,837	2,360	0.00		< HS	accept
Notes											



Date: 7/4/12
Time: 10:10 PM

Peak	rt	Area
1	0.77	102,859

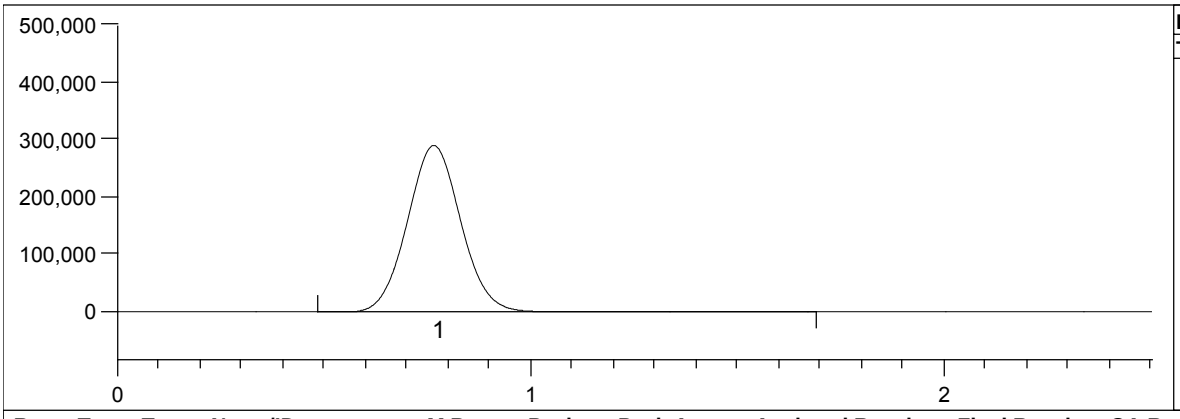
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
114	Y	S	1225011-16		1	102,859	6.06	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

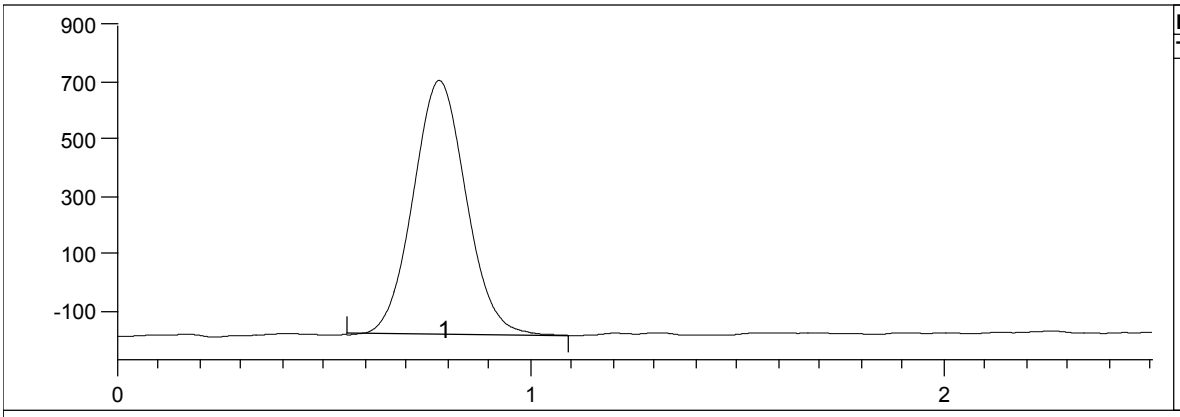


Date: 7/4/12
Time: 10:16 PM

Peak	rt	Area
1	0.76	26,235,787

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
115	X	S	1225011-17		1	26,235,787	2,690	0.00		< HS	accept

Notes

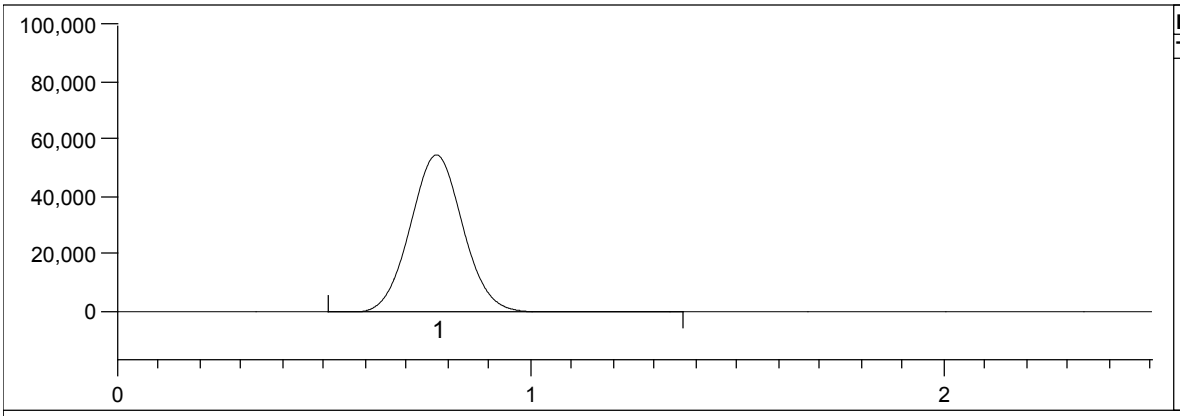


Date: 7/4/12
Time: 10:22 PM

Peak	rt	Area
1	0.77	80,257

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
116	Y	S	1225011-18		1	80,257	3.74	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 10:28 PM

Peak	rt	Area
1	0.77	4,908,815

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
117	X	CCV	SEQ-CCV		1	4,908,815	500.		100.	77-123	accept

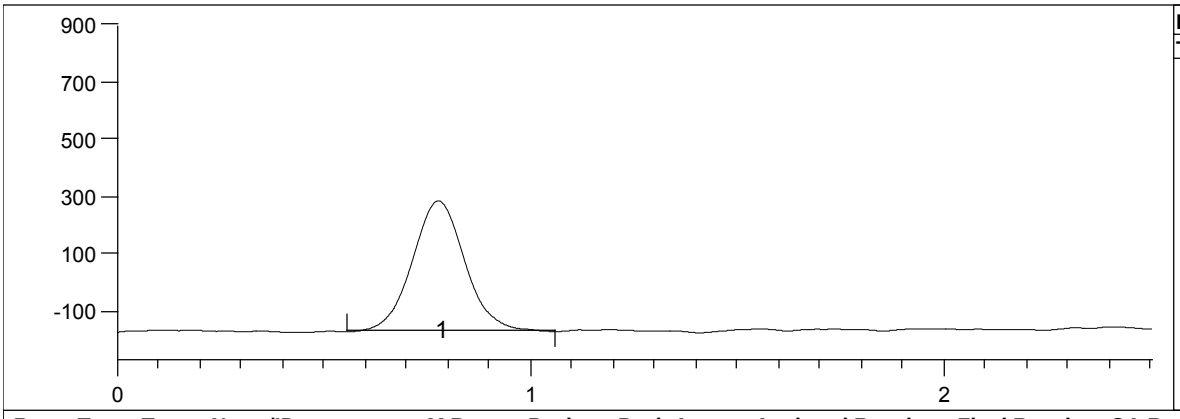
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

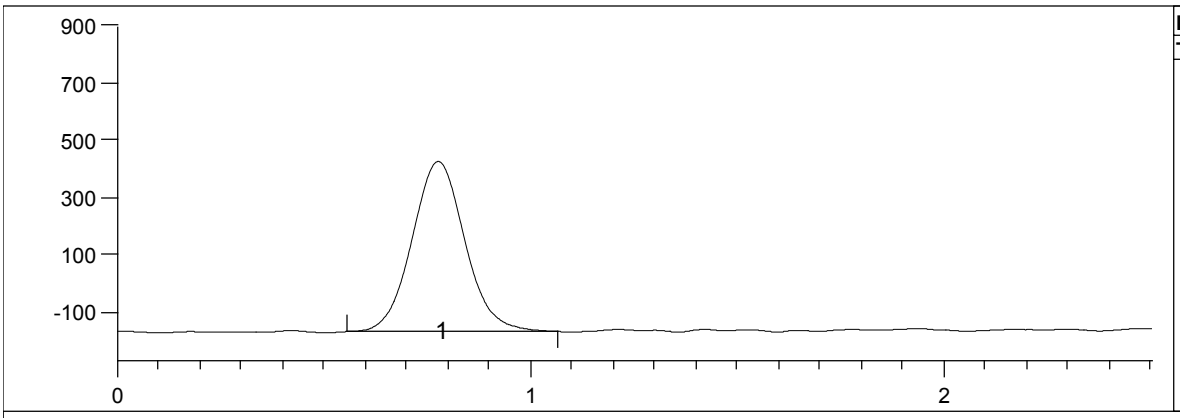


Date: 7/4/12
Time: 10:34 PM

Peak	rt	Area
1	0.77	41,385

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
118	Y	CCB	SEQ-CCB		1	41,385	4.25		4.25	< 50	accept

Notes

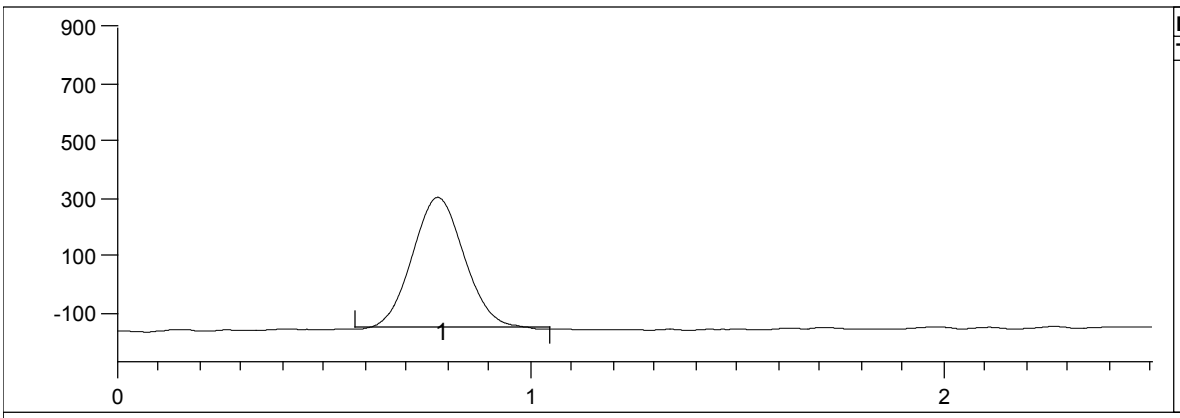


Date: 7/4/12
Time: 10:40 PM

Peak	rt	Area
1	0.77	53,148

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
119	X	S	HCL BLANK		1	53,148	0.956	0.00		< HS	accept

Notes



Date: 7/4/12
Time: 10:46 PM

Peak	rt	Area
1	0.77	41,316

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
120	Y	S	SEQ-ICB		1	41,316	-0.260	0.00		< HS	accept

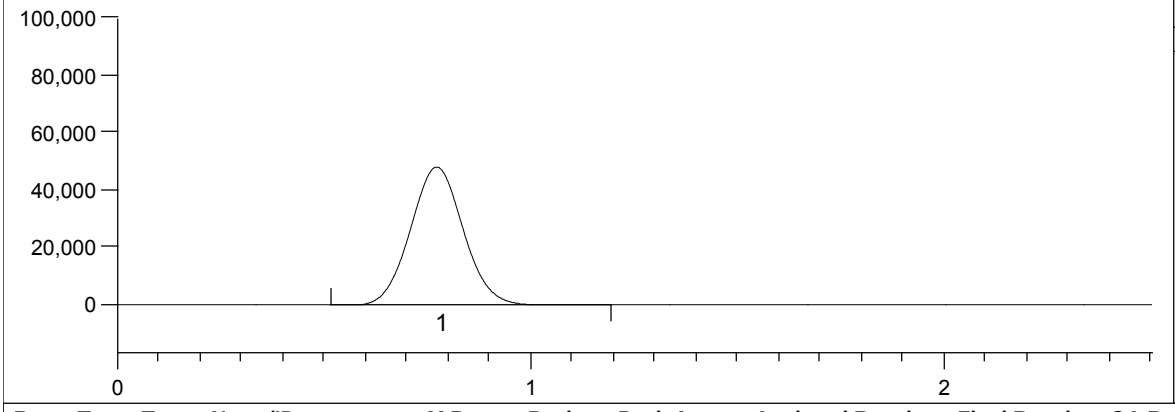
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

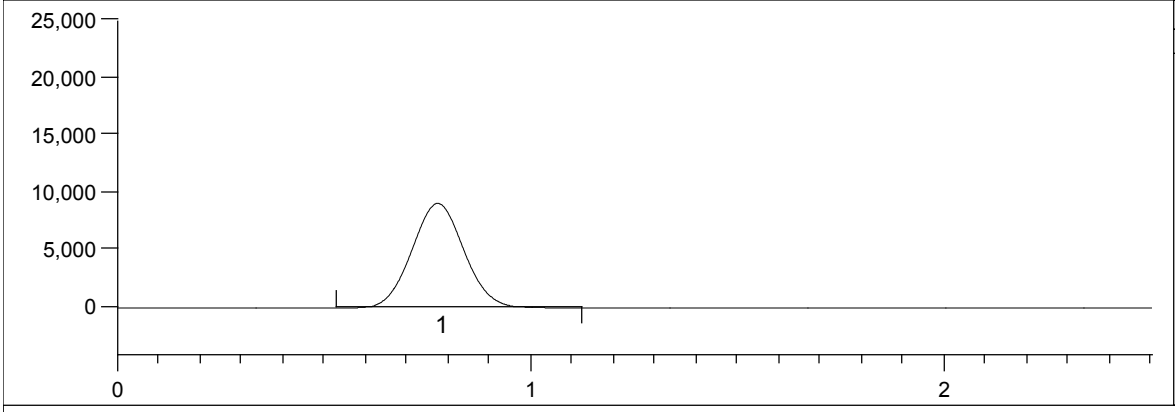
Date Analyzed: 7/4/12
Analyst Name: TE



Date: 7/4/12
Time: 10:52 PM

Peak	rt	Area
1	0.77	4,326,386

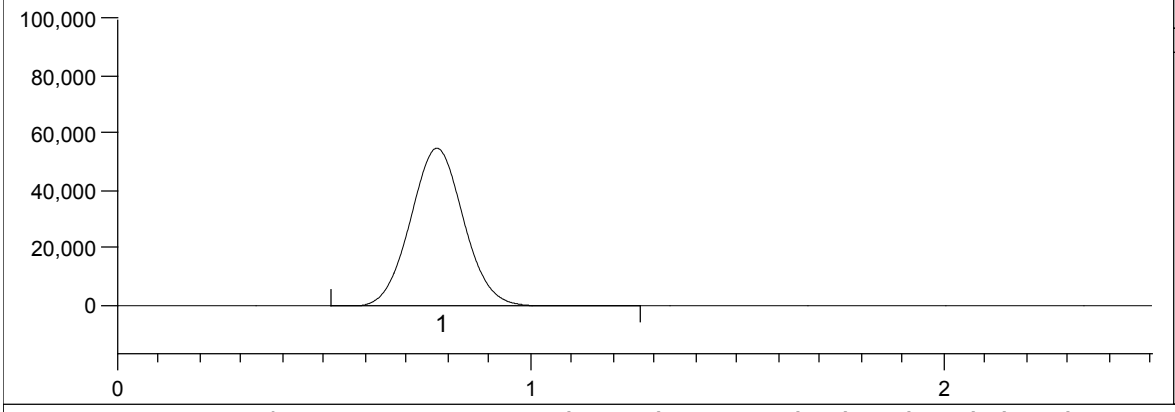
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
121	X	S	B120988-SRM3		1	4,326,386	440.	0.00		< HS	accept
Notes											



Date: 7/4/12
Time: 10:58 PM

Peak	rt	Area
1	0.77	818,263

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
122	Y	S	1222016-14RE1		1	818,263	79.6	0.00		< HS	accept
Notes											



Date: 7/4/12
Time: 11:04 PM

Peak	rt	Area
1	0.77	4,972,891

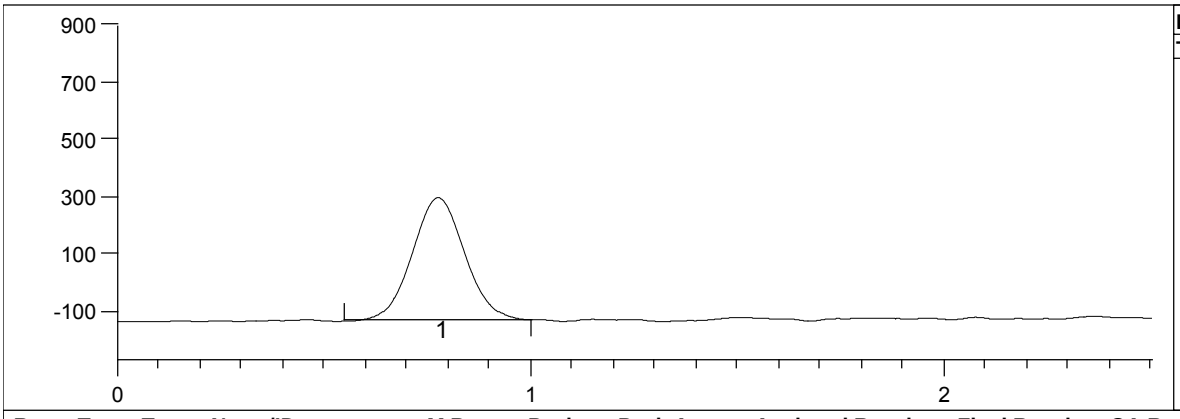
Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
123	X	CCV	SEQ-CCV		1	4,972,891	507		101	77-123	accept
Notes											

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

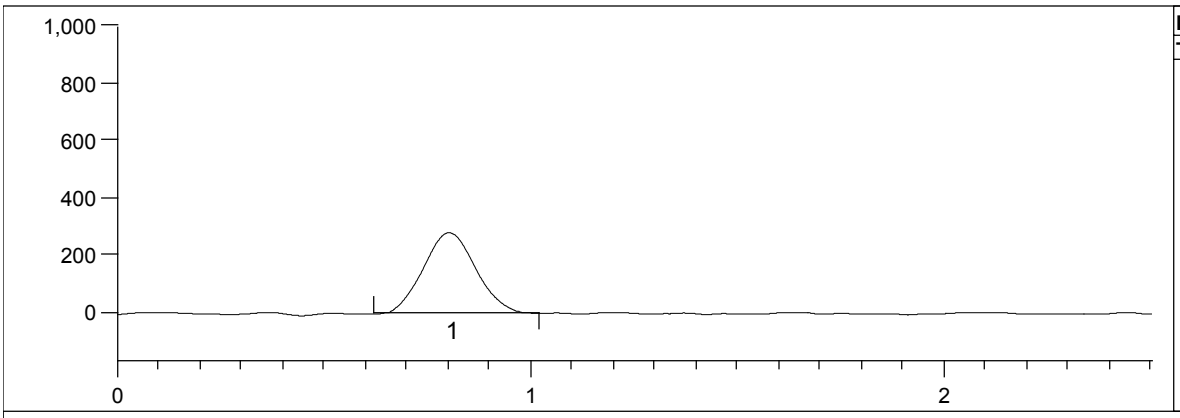


Date: 7/4/12
Time: 11:10 PM

Peak	rt	Area
1	0.77	38,706

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
124	Y	CCB	SEQ-CCB		1	38,706	3.98		3.98	< 50	accept

Notes

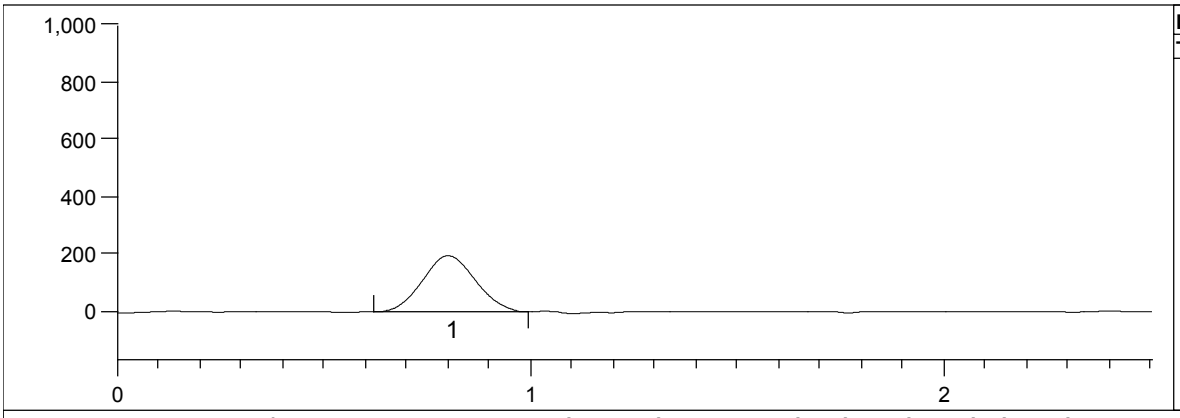


Date: 7/5/12
Time: 7:35 AM

Peak	rt	Area
1	0.80	25,871

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
125	X	RINS	RINSE		1	25,871	2.66	0.00	0.00	< 0.5	accept

Notes



Date: 7/5/12
Time: 7:41 AM

Peak	rt	Area
1	0.80	17,612

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
126	Y	RINS	RINSE		1	17,612	1.81	0.00	0.00	< 0.5	accept

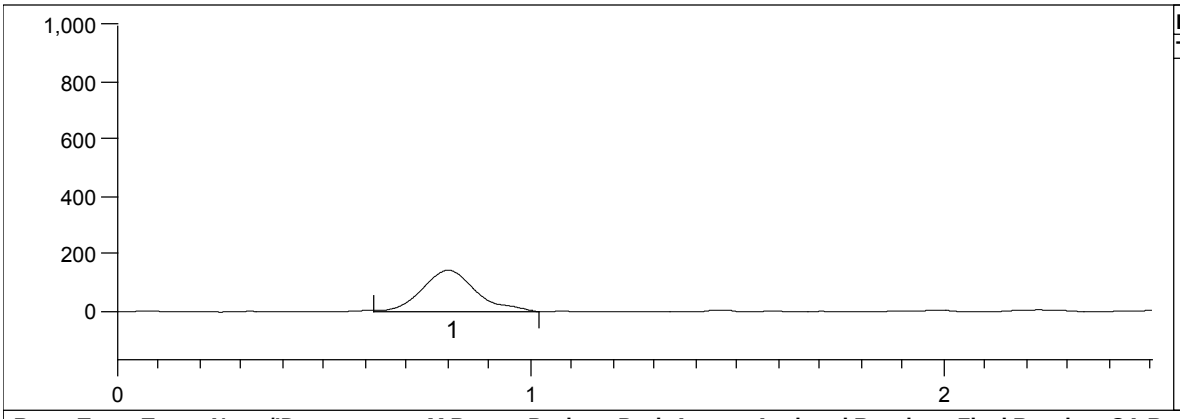
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

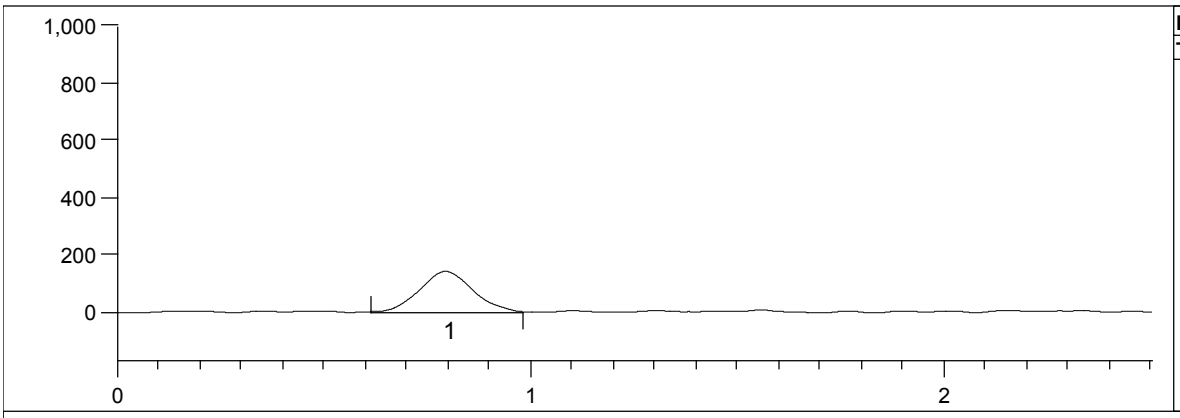


Date: 7/5/12
Time: 7:47 AM

Peak	rt	Area
1	0.80	12,761

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
127	X	RINS	RINSE		1	12,761	1.31	0.00	0.00	< 0.5	accept

Notes

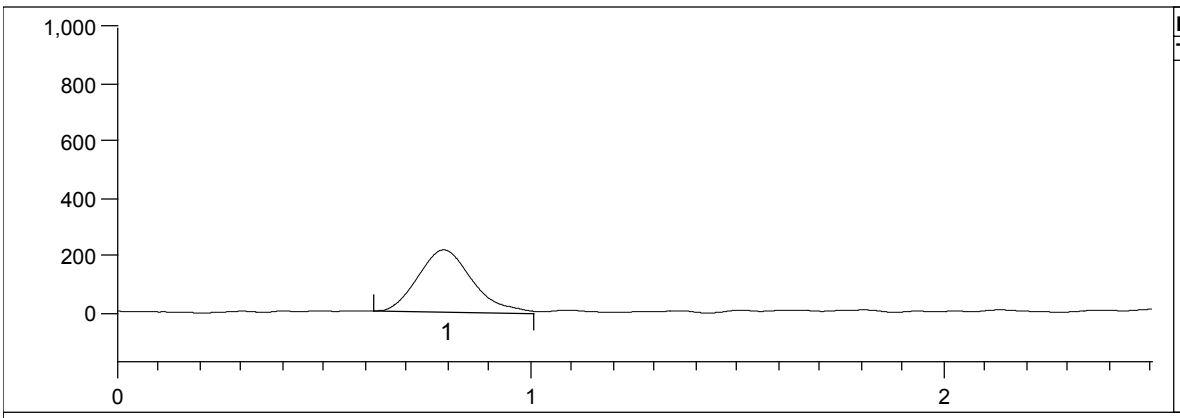


Date: 7/5/12
Time: 7:53 AM

Peak	rt	Area
1	0.79	12,477

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
128	Y	RINS	RINSE		1	12,477	1.28	0.00	0.00	< 0.5	accept

Notes



Date: 7/5/12
Time: 7:59 AM

Peak	rt	Area
1	0.78	19,125

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
129	X	RINS	RINSE		1	19,125	1.97	0.00	0.00	< 0.5	accept

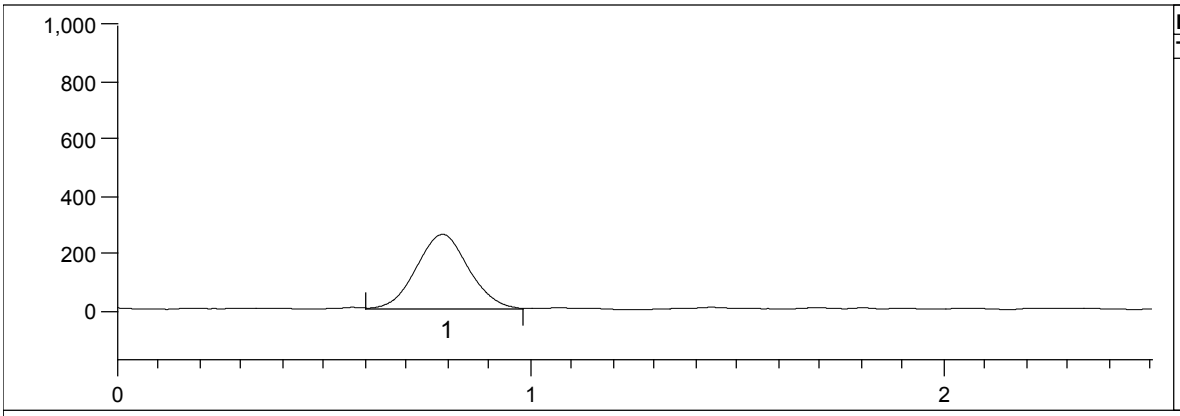
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

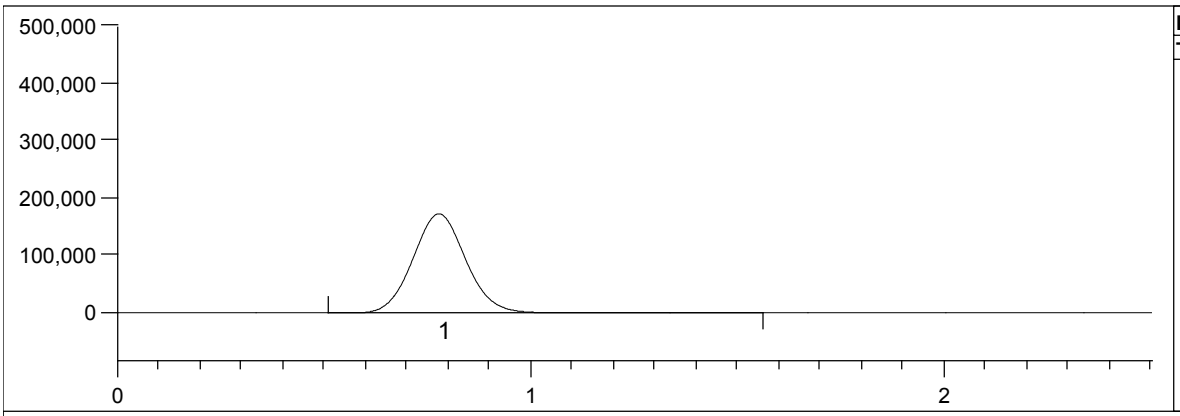


Date: 7/5/12
Time: 8:05 AM

Peak	rt	Area
1	0.78	22,428

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
130	Y	RINS	RINSE		1	22,428	2.30	0.00	0.00	< 0.5	accept

Notes

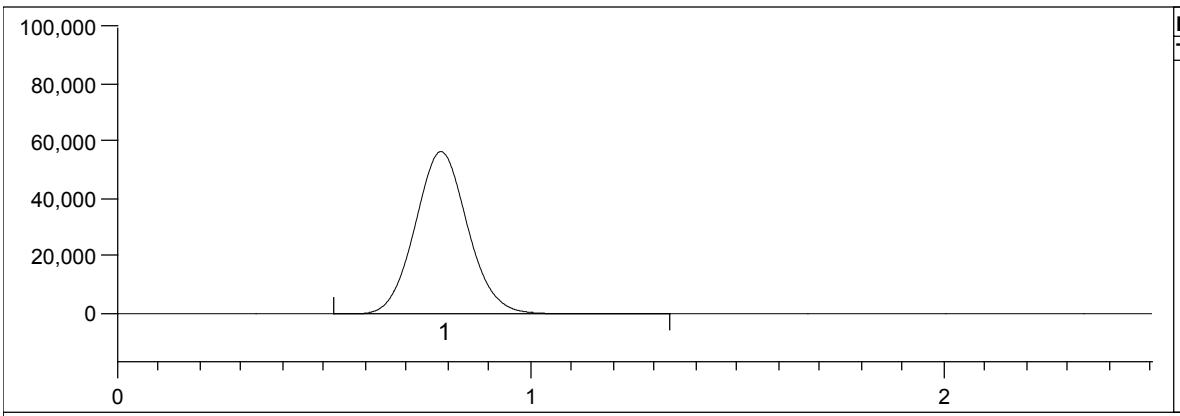


Date: 7/5/12
Time: 8:11 AM

Peak	rt	Area
1	0.77	15,433,713

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
131	X	ICV	SEQ-ICV		1	15,433,713	1,580		101	80-120	accept

Notes



Date: 7/5/12
Time: 8:17 AM

Peak	rt	Area
1	0.78	5,028,678

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
132	Y	CCV	SEQ-CCV		1	5,028,678	512		102	77-123	accept

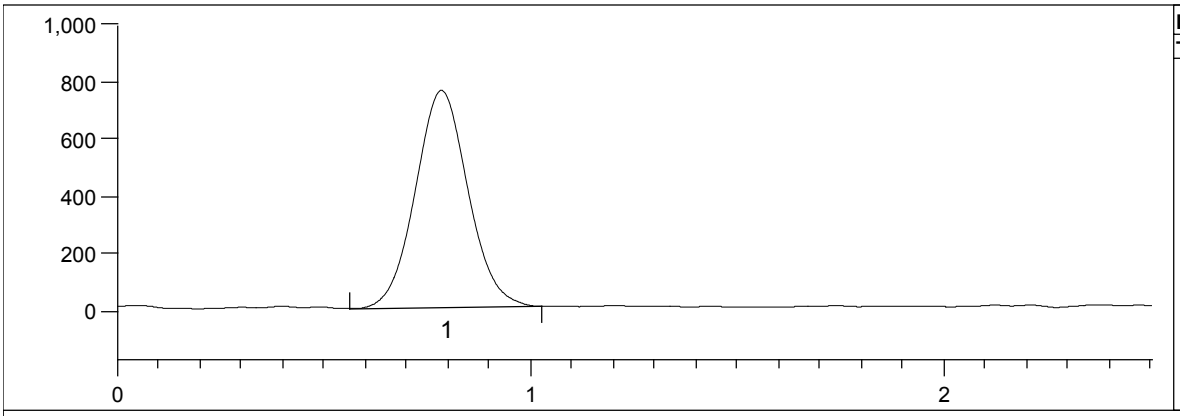
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

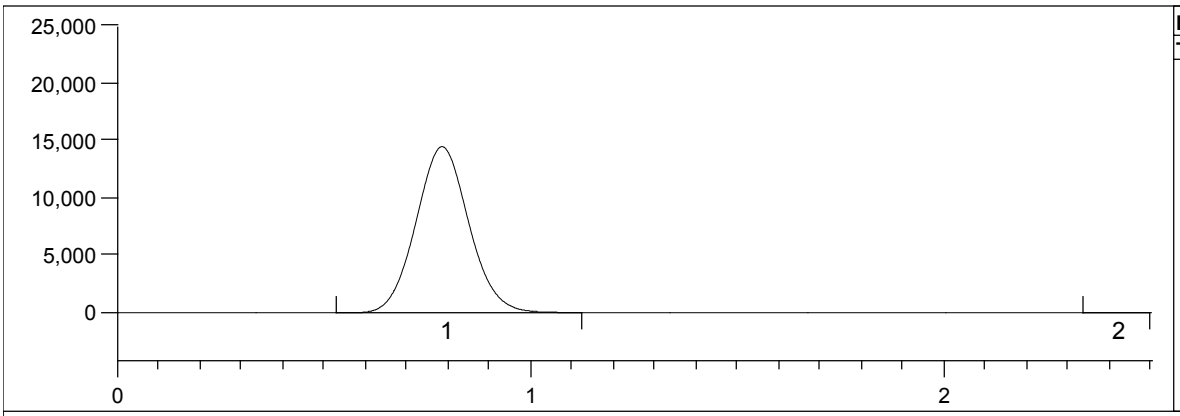


Date: 7/5/12
Time: 8:23 AM

Peak	rt	Area
1	0.78	67,559

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
133	X	CCB	SEQ-CCB		1	67,559	6.94		6.94	< 50	accept

Notes

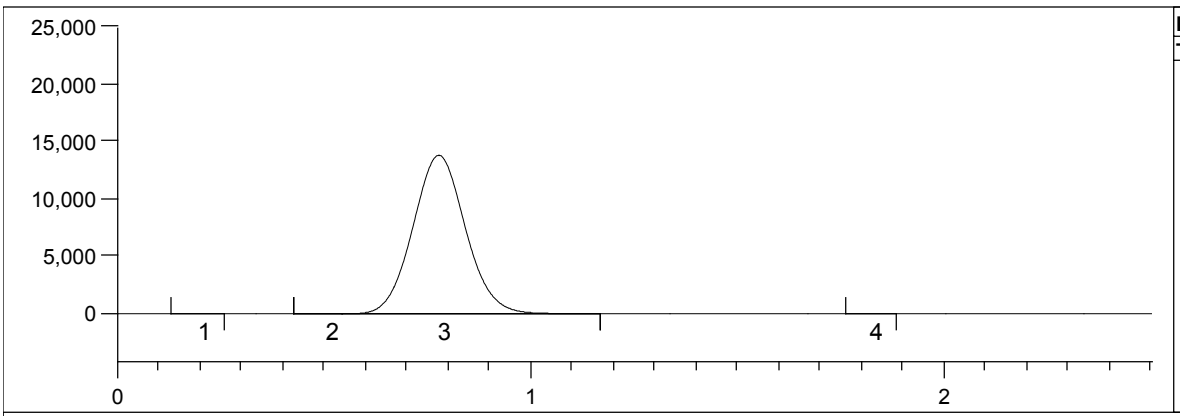


Date: 7/5/12
Time: 8:29 AM

Peak	rt	Area
1	0.78	1,293,120
2	2.40	474

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
134	Y	S	1225011-07RE1		1	1,293,120	128	0.00		< HS	accept

Notes



Date: 7/5/12
Time: 8:35 AM

Peak	rt	Area
1	0.20	396
2	0.50	543
3	0.77	1,226,434
4	1.82	324

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
135	X	S	B121095-DUP5		3	1,226,434	122	0.00		< HS	accept

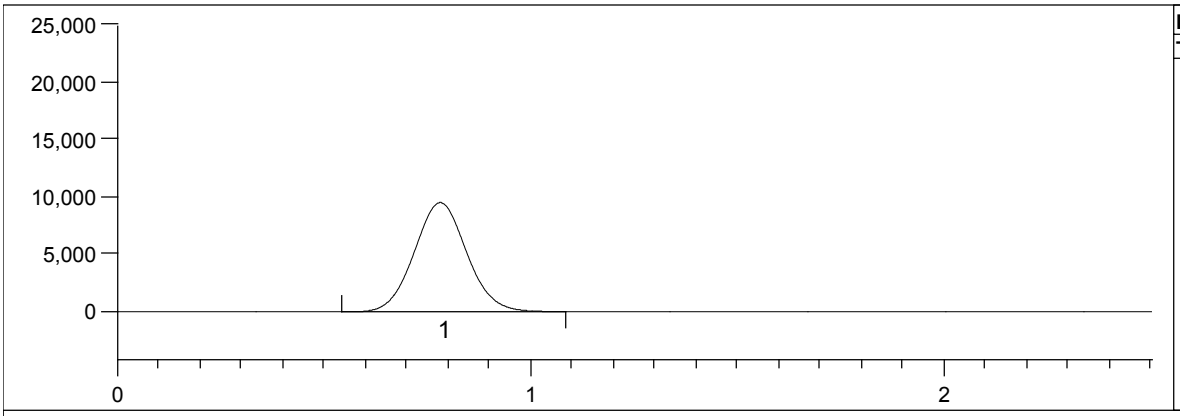
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

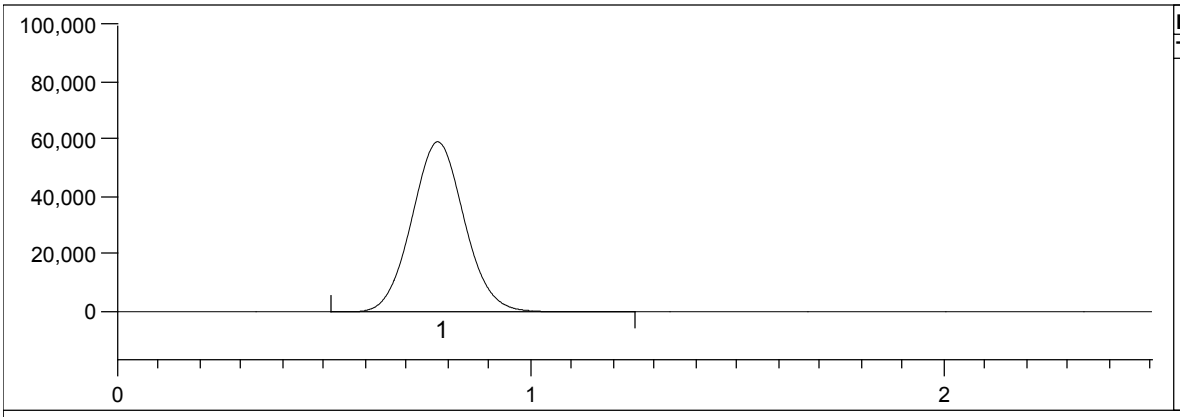


Date: 7/5/12
Time: 8:41 AM

Peak	rt	Area
1	0.78	843,114

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
136	Y	S	1225011-16RE1		1	843,114	82.1	0.00		< HS	accept

Notes

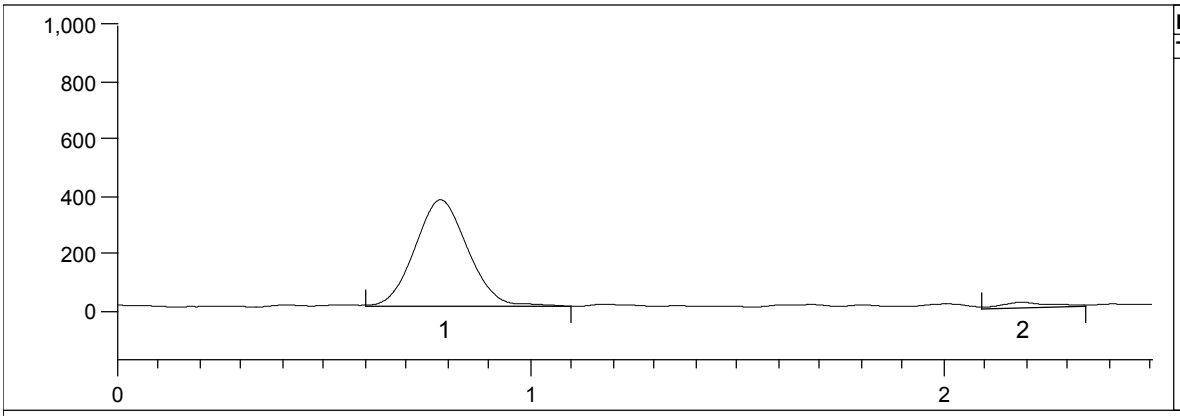


Date: 7/5/12
Time: 8:47 AM

Peak	rt	Area
1	0.77	5,264,036

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
137	X	CCV	SEQ-CCV		1	5,264,036	536		107	77-123	accept

Notes



Date: 7/5/12
Time: 8:53 AM

Peak	rt	Area
1	0.78	32,631
2	2.18	1,018

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
138	Y	CCB	SEQ-CCB		1	32,631	3.35		3.35	< 50	accept

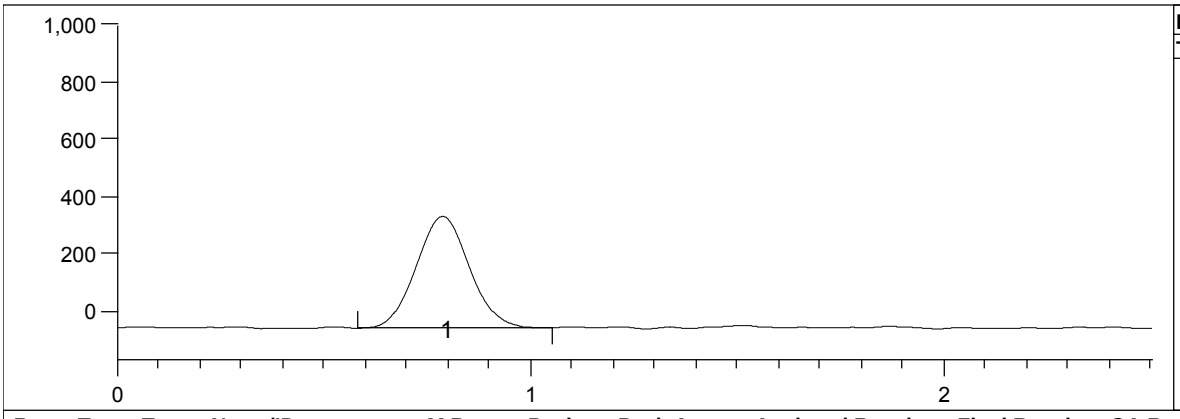
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

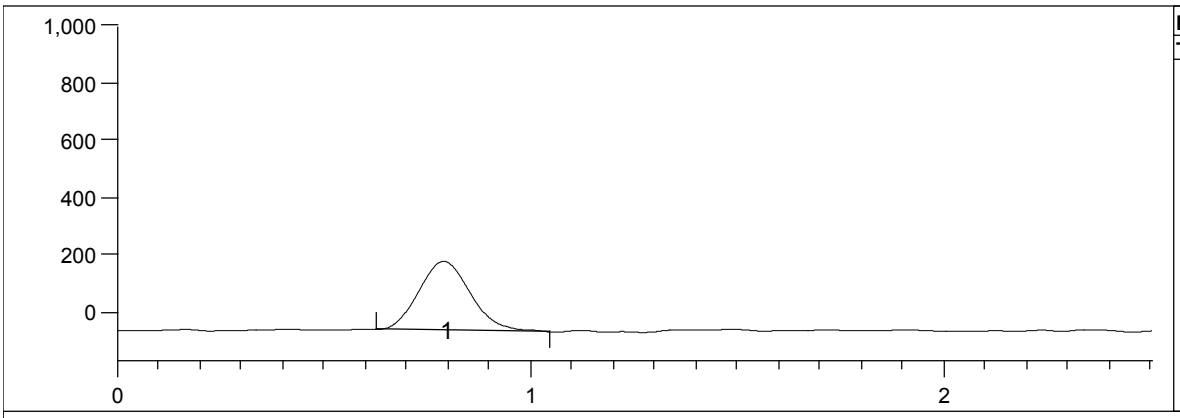


Date: 7/5/12
Time: 10:46 AM

Peak	rt	Area
1	0.78	35,341

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
139	X	RINS	RINSE		1	35,341	3.63	0.00	0.00	< 0.5	accept

Notes

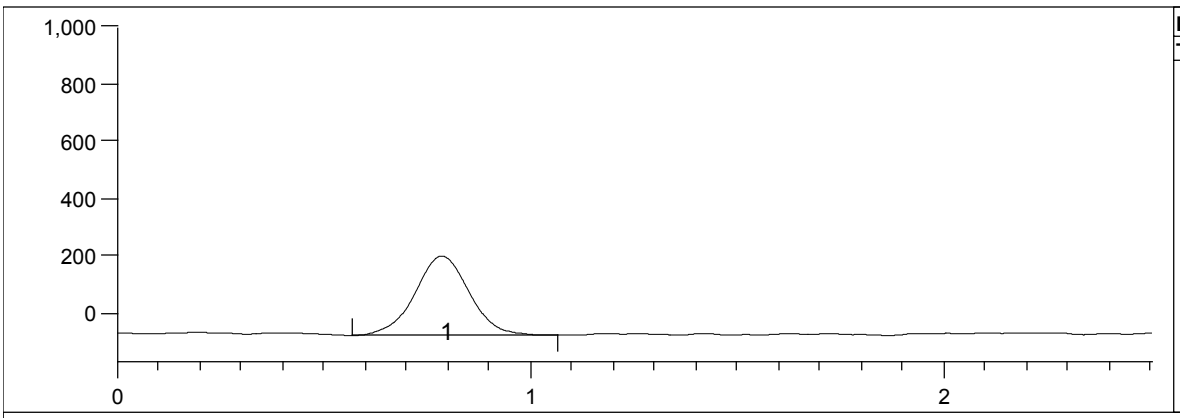


Date: 7/5/12
Time: 10:52 AM

Peak	rt	Area
1	0.78	21,213

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
140	Y	RINS	RINSE		1	21,213	2.18	0.00	0.00	< 0.5	accept

Notes



Date: 7/5/12
Time: 10:58 AM

Peak	rt	Area
1	0.78	25,934

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
141	X	RINS	RINSE		1	25,934	2.66	0.00	0.00	< 0.5	accept

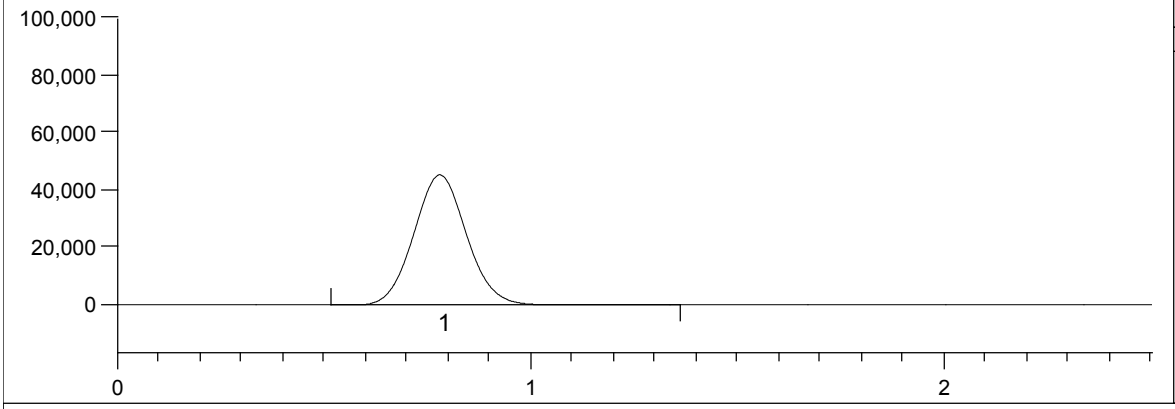
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

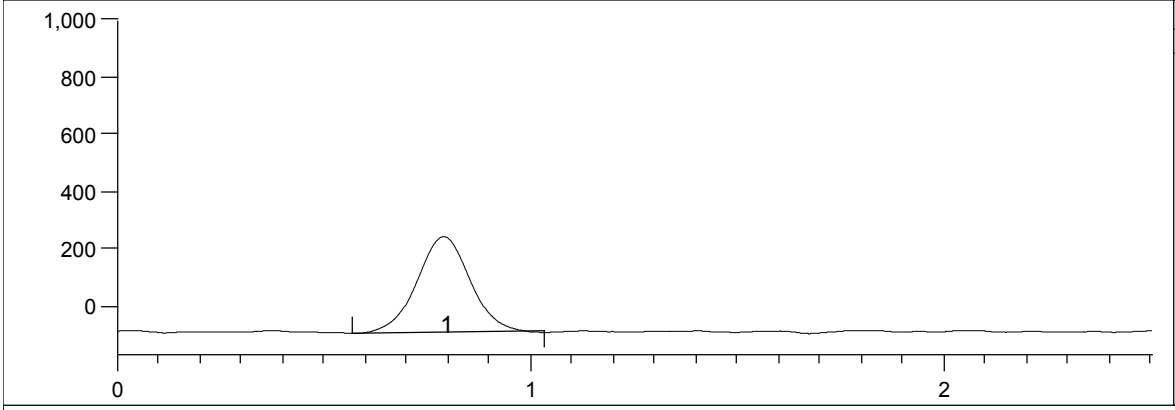


Date: 7/5/12
Time: 11:04 AM

Peak	rt	Area
1	0.78	4,059,581

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
142	Y	CCV	SEQ-CCV		1	4,059,581	413		82.5	77-123	accept

Notes

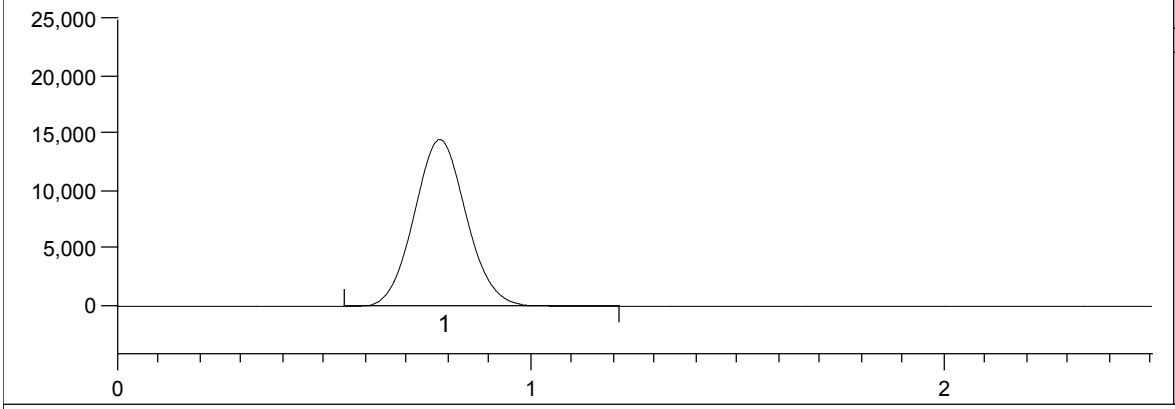


Date: 7/5/12
Time: 11:10 AM

Peak	rt	Area
1	0.78	30,993

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
143	X	CCB	SEQ-CCB		1	30,993	3.18		3.18	< 50	accept

Notes



Date: 7/5/12
Time: 11:16 AM

Peak	rt	Area
1	0.78	1,296,575

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
144	Y	S	1224038-14RE1		1	1,296,575	129	0.00		< HS	accept

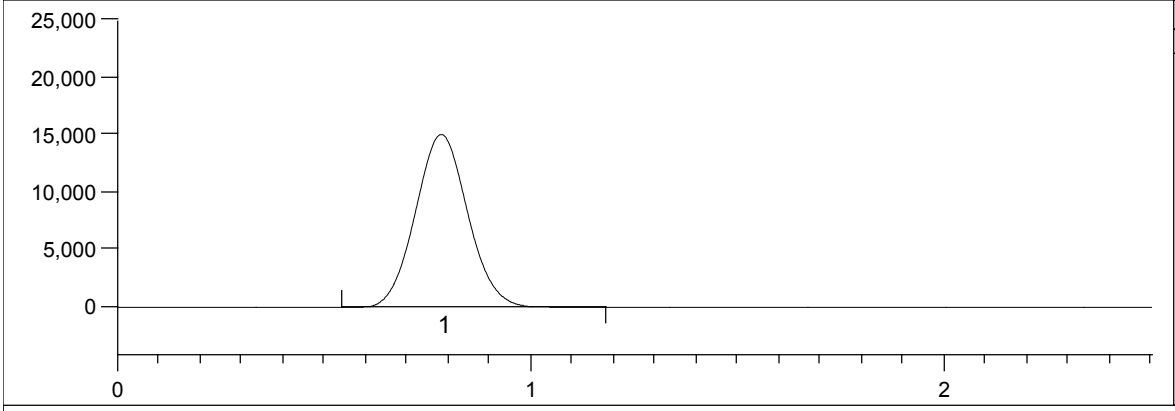
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

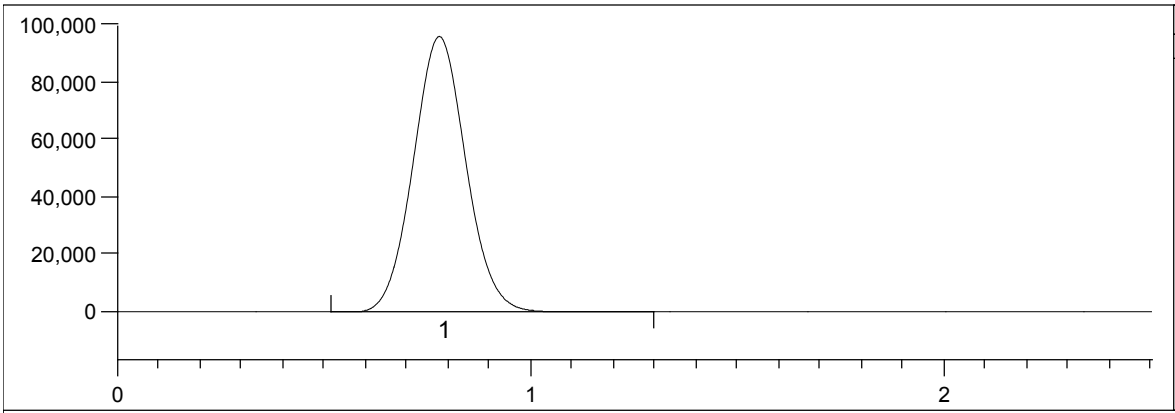


Date: 7/5/12
Time: 11:22 AM

Peak	rt	Area
1	0.78	1,351,091

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
145	X	S	1225011-05RE1		1	1,351,091	134	0.00		< HS	accept

Notes

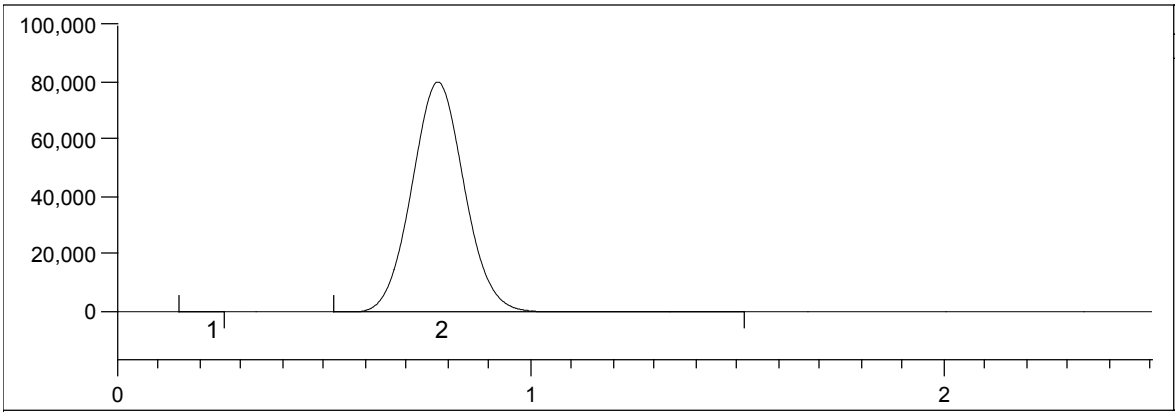


Date: 7/5/12
Time: 11:28 AM

Peak	rt	Area
1	0.78	8,566,080

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
146	Y	S	1225015-05RE1		1	8,566,080	876	0.00		< HS	accept

Notes



Date: 7/5/12
Time: 11:34 AM

Peak	rt	Area
1	0.22	238
2	0.77	7,151,380

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
147	X	S	B121104-DUP2		2	7,151,380	730.	0.00		< HS	accept

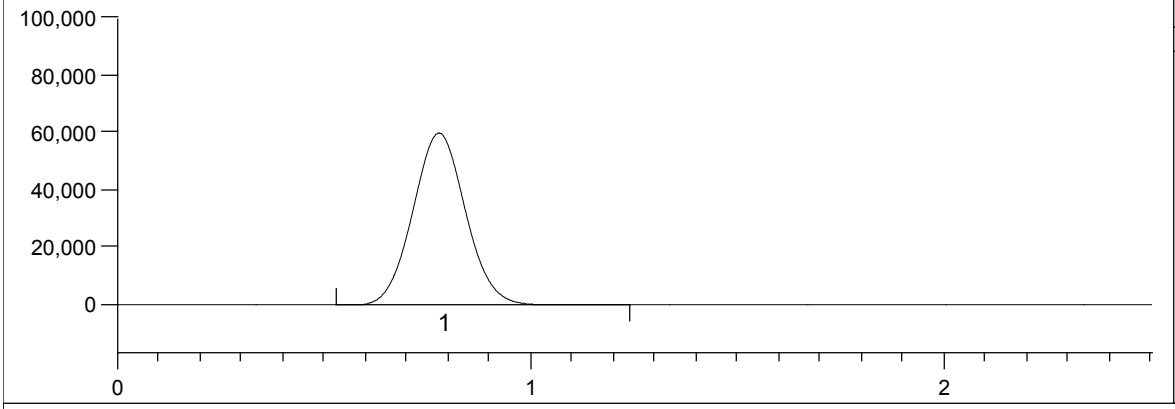
Notes

Peak Report

Batch Number: B121104, 121095
Method Number: CVAFS BR-0002

Project Number(s): 1200502
Instrument ID: THG-06

Date Analyzed: 7/4/12
Analyst Name: TE

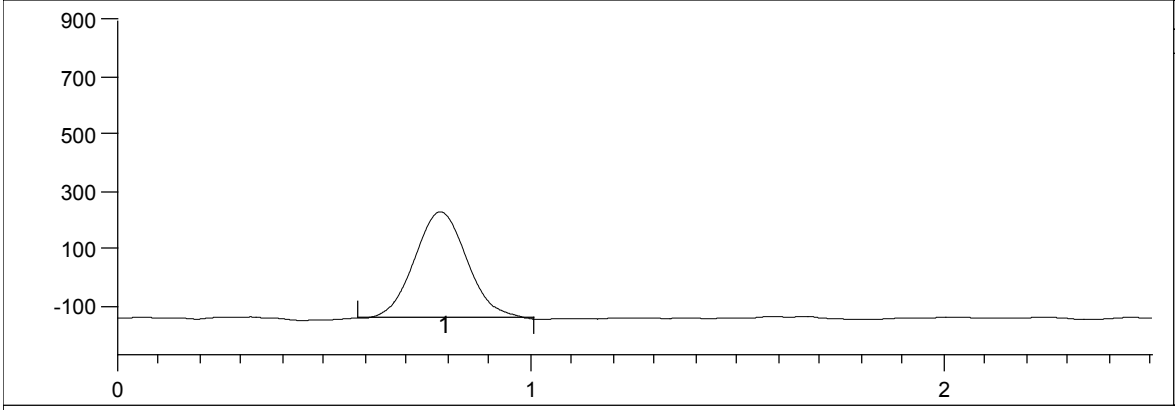


Date: 7/5/12
Time: 11:40 AM

Peak	rt	Area
1	0.77	5,366,943

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
148	Y	CCV	SEQ-CCV		1	5,366,943	547		109	77-123	accept

Notes



Date: 7/5/12
Time: 11:46 AM

Peak	rt	Area
1	0.78	33,860

Run	Trap	Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
149	X	CCB	SEQ-CCB		1	33,860	3.48		3.48	< 50	accept

Notes

Batch:	B121105		Analyte:	%TS	Date:	7/5/12		MDL:	0.14	
Analyst:	IRJ		Matrix:	Biota				MRL:	0.48	
NOTE:	*To simplify and ensure correct upload of data to the LIMS, always order your samples in this*									
	spreadsheet from lowest WO/sample ID # to highest WO/sample ID #, BLKs, and finally DUPs.									
			Gross	Gross	Net	Net				
		Tare	Wet	Dry	Wet	Dry	Dry			
Work Order	Dish	Wt.	Wt.	Wt.	Wt.	Wt.	Wt.			Comments
#	ID	(g)	(g)	(g)	(g)	(g)	%			
1225015-03	1	1.029	3.206	1.235	2.177	0.206	9.46			
1225015-04	2	1.046	2.169	1.181	1.123	0.135	12.02			
1225015-05	3	1.039	3.290	1.335	2.251	0.296	13.15			
1225015-06	4	1.010	3.967	1.464	2.957	0.454	15.35			
1225015-07	5	1.032	3.104	1.285	2.072	0.253	12.21			
1225015-08	6	1.009	2.704	1.228	1.695	0.219	12.92			
1225015-09	7	1.040	3.048	1.318	2.008	0.278	13.84			
1225015-10	8	1.036	3.140	1.269	2.104	0.233	11.07			
1225015-15	15	1.052	3.466	1.330	2.414	0.278	11.52			
B121105-BLK1	BLK1	1.015		1.015		0.000	0.00		0.00	= MB StDev
B121105-BLK2	BLK2	1.061		1.061		0.000	0.00		0.00	= MB StDev
B121105-DUP1	DUP1	1.017	3.096	1.288	2.079	0.271	13.04		0.9%	= RPD
									2.09	Rep Wt.

Dry Weight (% Solids) Bench Sheet (BR-1501 Rev 005)

Batch #: B121105 Analyst: BJT / AMP Date: 7/2/12

Sample ID#	Dish # (if diff. from Sample ID)	Tare Wt. (g)	Gross Wet Wt. (g)	Initial Gross Dry Wt. (g)	Verification Gross Dry Wt. #1* (g)	Verification Gross Dry Wt. #2 (g)
1225015-03	1	1.029	3.1206	1.285		
-04	2	1.046	2.169	1.181		
-05	3	1.039	3290	1.335		
-06	4	1.010	~~3.096~~ 3.967	1.464		
-07	5	1.032	3.104	1.285		
-08	6	1.009	2.704	1.228		
-09	7	1.040	3.048	1.318		
-10	8	1.036	3.140	1.269		
-15	15	1.052	3.466	1.330		
B121105 BLK1		~~1.061~~ 1.015		1.015		
BLK2		1.061		1.061		
1225015-05 DUP1		1.017	3.096	1.288		

7/06/12 KDM

* Verification dry weight (net) must be within 4% of or < 0.5 mg less than the previous dry weight measurement; whichever is stricter.

Balance ID: BL-06 Oven ID: OV-02 Thermometer ID: oven / PL-12 (out)

1) Time / Date / Temp** in: 1615/7-2-12 / 104° oven read, no thermom Time / Date / Temp** out: 12:54 / 7-6-12 / 113° (113°)
2) Time / Date / Temp** in: _____ Time / Date / Temp** out: _____
3) Time / Date / Temp** in: _____ Time / Date / Temp** out: _____ (if necessary)

Reweigh Analyst: IRJ Verification Analyst: _____ (if necessary)

**** Both the measured and the corrected temperatures must be recorded. Record the measured temperature first and then the corrected temperature.**

Sample Characteristics Log (Biota)

BRL Report 1225015

(BR-0106 Rev 003)

Prep Technician: AAP **Date:** 7·2·12

Batch(es): B121105

Sample ID	Matrix/Submatrix	Physical Characteristics
1225015-03	Brine Shrimp	orangy brown, strong ocean/fish smell, liquidy, small particles
-04		orange, watery, small orange/brown/gray particles
-05		brown, soupy large mucus globs w/ shrimp? in it
-06		
-07		not as much mucus
-08		not as much mucus "
-09		"
-10		
-15		

7/06/12 KDM

Additional Notes:

ANALYSIS SEQUENCE

1200545

Brooks Rand Labs

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200545-IBL1	1200545	QC	1		-			
1200545-IBL2	1200545	QC	2		-			
1200545-IBL3	1200545	QC	3		-			
1200545-CAL1	1200545	QC	4	1225060	-			
1200545-CAL2	1200545	QC	5	1225061	-			
1200545-CAL3	1200545	QC	6	1225062	-			
1200545-CAL4	1200545	QC	7	1225063	-			
1200545-CAL5	1200545	QC	8	1225064	-			
1200545-CAL6	1200545	QC	9	1225065	-			
1200545-CAL7	1200545	QC	10	1225066	-			
1200545-CCB1	1200545	QC	11		-			
1200545-ICV1	1200545	QC	12	1229025	-			
1200545-CCB2	1200545	QC	13		-			
1200545-CCV1	1200545	QC	14	1225067	-			
1200545-CCB3	1200545	QC	15		-			
1200545-CCB4	1200545	QC	16		-			
1200545-CCB5	1200545	QC	17		-			
B121166-BLK1	B121166	QC	18		-			
B121166-BLK2	B121166	QC	19		-			
B121166-BLK3	B121166	QC	20		-			
B121166-BLK4	B121166	QC	21		-			
B121166-BS1	B121166	QC	22		-			
B121166-BS2	B121166	QC	23		-			
1226024-29	B121166	MeHg-W-Dist-TR	24			DUP002	7/23/2012	
1226024-30	B121166	MeHg-W-Dist-Diss	25			DUP002	7/23/2012	
1226024-01	B121166	MeHg-W-Dist-TR	26			DUP002	7/23/2012	

ANALYSIS SEQUENCE

1200545

Brooks Rand Labs

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1226024-02	B121166	MeHg-W-Dist-Diss	27			DUP002	7/23/2012	
1200545-CCV2	1200545	QC	28	1225067	-			
1200545-CCB6	1200545	QC	29		-			
1226024-03	B121166	MeHg-W-Dist-TR	30			DUP002	7/23/2012	
1226024-04	B121166	MeHg-W-Dist-Diss	31			DUP002	7/23/2012	
1226024-05	B121166	MeHg-W-Dist-TR	32			DUP002	7/23/2012	
1226024-06	B121166	MeHg-W-Dist-Diss	33			DUP002	7/23/2012	
1226024-07	B121166	MeHg-W-Dist-TR	34			DUP002	7/23/2012	
1226024-08	B121166	MeHg-W-Dist-Diss	35			DUP002	7/23/2012	
1226024-09	B121166	MeHg-W-Dist-TR	36			DUP002	7/23/2012	
1226024-10	B121166	MeHg-W-Dist-TR	37			DUP002	1/1/1980	BatchQC
1226024-10	B121166	MeHg-W-Dist-Diss	38			DUP002	7/23/2012	
B121166-MS1	B121166	QC	39		1226024-10			
B121166-MSD1	B121166	QC	40		1226024-10			
1200545-CCV3	1200545	QC	41	1225067	-			
1200545-CCB7	1200545	QC	42		-			
1226024-11	B121166	MeHg-W-Dist-TR	43			DUP002	7/23/2012	
1226024-12	B121166	MeHg-W-Dist-Diss	44			DUP002	7/23/2012	
1226024-13	B121166	MeHg-W-Dist-TR	45			DUP002	7/23/2012	
1226024-14	B121166	MeHg-W-Dist-Diss	46			DUP002	7/23/2012	
1226024-15	B121166	MeHg-W-Dist-TR	47			DUP002	7/23/2012	
1226024-16	B121166	MeHg-W-Dist-Diss	48			DUP002	7/23/2012	
1226024-17	B121166	MeHg-W-Dist-TR	49			DUP002	7/23/2012	
1226024-18	B121166	MeHg-W-Dist-Diss	50			DUP002	7/23/2012	
1226024-19	B121166	MeHg-W-Dist-TR	51			DUP002	7/23/2012	
1226024-19	B121166	MeHg-W-Dist-Diss	52			DUP002	1/1/1980	BatchQC

ANALYSIS SEQUENCE

1200545

Brooks Rand Labs

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B121166-MS2	B121166	QC	53		1226024-19			
1200545-CCV4	1200545	QC	54	1225067	-			
1200545-CCB8	1200545	QC	55		-			
B121166-MSD2	B121166	QC	56		1226024-19			
1226024-20	B121166	MeHg-W-Dist-Diss	57			DUP002	7/23/2012	
1226024-21	B121166	MeHg-W-Dist-TR	58			DUP002	7/23/2012	
1226024-22	B121166	MeHg-W-Dist-Diss	59			DUP002	7/23/2012	
1226024-23	B121166	MeHg-W-Dist-TR	60			DUP002	7/23/2012	
1226024-24	B121166	MeHg-W-Dist-Diss	61			DUP002	7/23/2012	
1226024-25	B121166	MeHg-W-Dist-TR	62			DUP002	7/23/2012	
1226024-26	B121166	MeHg-W-Dist-Diss	63			DUP002	7/23/2012	
1226024-27	B121166	MeHg-W-Dist-TR	64			DUP002	7/23/2012	
1226024-28	B121166	MeHg-W-Dist-Diss	65			DUP002	7/23/2012	
1200545-CCV5	1200545	QC	66	1225067	-			
1200545-CCB9	1200545	QC	67		-			
1227027-01	B121166	MeHg-W-Dist-TR	68			MAX-CA1202	7/18/2012	
1227027-01	B121166	MeHg-W-Dist-Diss	69			MAX-CA1202	1/1/1980	BatchQC
B121166-MS3	B121166	QC	70		1227027-01			
B121166-MSD3	B121166	QC	71		1227027-01			
1227027-03	B121166	MeHg-W-Dist-TR	72			MAX-CA1202	7/18/2012	
1227028-01	B121166	MeHg-W-Dist-TR	73			MAX-CA1202	7/18/2012	QA: Qualify H
1227028-01	B121166	MeHg-W-Dist-Diss	74			MAX-CA1202	1/1/1980	BatchQC
B121166-MS4	B121166	QC	75		1227028-01			
B121166-MSD4	B121166	QC	76		1227028-01			
1200545-CCV6	1200545	QC	77	1225067	-			
1200545-CCBA	1200545	QC	78		-			

ANALYSIS SEQUENCE

1200545

Brooks Rand Labs

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B121107-BLK1	B121107	QC	79		-			
B121107-BLK2	B121107	QC	80		-			
B121107-BLK3	B121107	QC	81		-			
B121107-BLK4	B121107	QC	82		-			
B121107-BS1	B121107	QC	83		-			
B121107-BS2	B121107	QC	84		-			
1225015-13	B121107	MeHg-W-Dist-TR	85			UDE-SL1201	8/2/2012	
1226028-73	B121107	MeHg-W-Dist-TR	86			TTI-ST1001	7/24/2012	
1227012-07	B121107	MeHg-W-Dist-NoMB-TR	87			AAL-MN1101	8/3/2012	
1225015-01	B121107	MeHg-W-Dist-TR	88			UDE-SL1201	8/2/2012	
1200545-CCV7	1200545	QC	89	1225067	-			
1200545-CCBB	1200545	QC	90		-			
B121107-MS1	B121107	QC	91		1225015-02			
B121107-MSD1	B121107	QC	92		1225015-02			
1225015-02	B121107	MeHg-W-Dist-TR	93			UDE-SL1201	8/2/2012	
1225015-02	B121107	MeHg-W-Dist-Diss	94			UDE-SL1201	1/1/1980	BatchQC
1225015-02	B121107	MeHg-W-Dist-NoMB-TR	95			UDE-SL1201	1/1/1980	BatchQC
1225015-11	B121107	MeHg-W-Dist-TR	96			UDE-SL1201	8/2/2012	
1225015-12	B121107	MeHg-W-Dist-TR	97			UDE-SL1201	8/2/2012	
1225015-14	B121107	MeHg-W-Dist-TR	98			UDE-SL1201	8/2/2012	
1225015-16	B121107	MeHg-W-Dist-TR	99			UDE-SL1201	8/2/2012	
1225015-17	B121107	MeHg-W-Dist-TR	100			UDE-SL1201	8/2/2012	
1225015-18	B121107	MeHg-W-Dist-TR	101			UDE-SL1201	8/2/2012	
1225015-19	B121107	MeHg-W-Dist-TR	102			UDE-SL1201	8/2/2012	
1200545-CCV8	1200545	QC	103	1225067	-			
1200545-CCBC	1200545	QC	104		-			

ANALYSIS SEQUENCE

1200545

Brooks Rand Labs

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1225015-20	B121107	MeHg-W-Dist-TR	105			UDE-SL1201	8/2/2012	
1225015-21	B121107	MeHg-W-Dist-TR	106			UDE-SL1201	8/2/2012	
1225015-22	B121107	MeHg-W-Dist-TR	107			UDE-SL1201	8/2/2012	
1225015-23	B121107	MeHg-W-Dist-TR	108			UDE-SL1201	8/2/2012	
1225015-24	B121107	MeHg-W-Dist-TR	109			UDE-SL1201	8/2/2012	
1225015-25	B121107	MeHg-W-Dist-TR	110			UDE-SL1201	8/2/2012	
1225015-26	B121107	MeHg-W-Dist-TR	111			UDE-SL1201	8/2/2012	
1225015-27	B121107	MeHg-W-Dist-TR	112			UDE-SL1201	8/2/2012	
1226028-18	B121107	MeHg-W-Dist-Diss	113			TTI-ST1001	7/24/2012	
1226028-29	B121107	MeHg-W-Dist-Diss	114			TTI-ST1001	7/24/2012	
1200545-CCV9	1200545	QC	115	1225067	-			
1200545-CCBD	1200545	QC	116		-			
1226028-40	B121107	MeHg-W-Dist-Diss	117			TTI-ST1001	7/24/2012	
1226028-51	B121107	MeHg-W-Dist-Diss	118			TTI-ST1001	7/24/2012	
1226028-62	B121107	MeHg-W-Dist-Diss	119			TTI-ST1001	7/24/2012	
1226028-67	B121107	MeHg-W-Dist-TR	120			TTI-ST1001	7/24/2012	
1226028-67	B121107	MeHg-W-Dist-Diss	121			TTI-ST1001	1/1/1980	BatchQC
1226028-67	B121107	MeHg-W-Dist-NoMB-TR	122			TTI-ST1001	1/1/1980	BatchQC
B121107-MS2	B121107	QC	123		1226028-67			
B121107-MSD2	B121107	QC	124		1226028-67			
1226028-70	B121107	MeHg-W-Dist-TR	125			TTI-ST1001	7/24/2012	
1226029-01	B121107	MeHg-W-Dist-TR	126			ADQ-PH1201	7/24/2012	
1226029-03	B121107	MeHg-W-Dist-TR	127			ADQ-PH1201	7/24/2012	
1226029-03	B121107	MeHg-W-Dist-Diss	128			ADQ-PH1201	1/1/1980	BatchQC
1226029-03	B121107	MeHg-W-Dist-NoMB-TR	129			ADQ-PH1201	1/1/1980	BatchQC
B121107-MS3	B121107	QC	130		1226029-03			

ANALYSIS SEQUENCE

1200545

Brooks Rand Labs

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200545-CCVA	1200545	QC	131	1225067	-			
1200545-CCBE	1200545	QC	132		-			
B121107-MSD3	B121107	QC	133		1226029-03			
1226029-06	B121107	MeHg-W-Dist-TR	134			ADQ-PH1201	7/24/2012	
1226029-08	B121107	MeHg-W-Dist-TR	135			ADQ-PH1201	7/24/2012	
1226029-11	B121107	MeHg-W-Dist-TR	136			ADQ-PH1201	7/24/2012	
1200545-CCVB	1200545	QC	137	1225067	-			
1200545-CCBF	1200545	QC	138		-			
B121162-BLK1	B121162	QC	139		-			
B121162-BLK2	B121162	QC	140		-			
B121162-BLK3	B121162	QC	141		-			
B121162-BLK4	B121162	QC	142		-			
B121162-SRM1	B121162	QC	143		-			
1226018-85	B121162	MeHg-B-KOH/Me	144			TTI-ST1001	7/23/2012	
1226028-78	B121162	MeHg-B-KOH/Me	145			TTI-ST1001	7/24/2012	
1226028-79	B121162	MeHg-B-KOH/Me	146			TTI-ST1001	7/24/2012	
B121162-DUP1	B121162	QC	147		1226028-79			
B121162-MS1	B121162	QC	148		1226028-79			
1200545-CCVC	1200545	QC	149	1225067	-			
1200545-CCBG	1200545	QC	150		-			
B121162-MSD1	B121162	QC	151		1226028-79			
1226028-80	B121162	MeHg-B-KOH/Me	152			TTI-ST1001	7/24/2012	
1200545-CCVD	1200545	QC	153	1225067	-			
1200545-CCBH	1200545	QC	154		-			
1200545-CCVE	1200545	QC	155	1225067	-			
1200545-CCBI	1200545	QC	156		-			

SOP(s) / Rev#(s): BR-011 / Rev 013d

MeHg-Autoanalyzer Analysis Sheet

Sequence: 1200545 Batch: B121166, 1107, 1162 Analyst: BJT

Instrument ID # MMHG-09 Standards: 1 ng/mL: 1225056 0.01 ng/mL: 1225059

Date: 7/18/12 Buffer: 1227054 NaBEt4: 1227048

ICV: 1228090

	Run/ Vial Position	Sample ID	Analyzed volume	Dilution Factor	Comments
	1	EB-1	---		**NaBEt4 ID and time out:** 06 @ 1305
	2	EB-2	---		
	3	EB-3	---		
	4	IBL1	---		
	5	IBL2	---		
	6	IBL3	---		
	7	0.5 pg	0.050		0.01 ng/mL
	8	1 pg	0.100		0.01 ng/mL
	9	2 pg	0.200		0.01 ng/mL
	10	10 pg	1.00		0.01 ng/mL
	11	50 pg	0.050		1.0 ng/mL
	12	250 pg	0.250		1.0 ng/mL
	13	1000 pg	1.00		1.0 ng/mL
	14	CCB	---		
	15	ICV	0.100		1.0 ng/mL MeHgOH
	16	CCB	---		
	17	CCV	0.025		1.0 ng/mL
	18	CCB	---		
	19	CCB	---		
	20	CCB	---		
	21	B121166 BLK1	29.61		
	22	↓ BLK2	30.55		
	23	BLK3	29.03		
	24	↓ BLK4	29.66		

Comments:

Balance ID / Pipette ID used for sample vol (if applicable): B-01

MeHg-Autoanalyzer Analysis Sheet

Sequence: 120545 Analyst: BJT Date: 7/18/12

	Run/ Vial Position	Sample ID	Analyzed volume	Dilution Factor	Comments **$NaBEt_4$ ID and time out**
	25	B121166 BS1	30.66		
	26	↓ BS2	30.42		
	27	1226024-29	30.56		
	28	↓ -30	30.76		
	29	1226024-01	30.91		
	30	↓ -02	30.98		
	31	CCV	0.025		1ng/mL
	32	CCB			
	33	1226024-03	30.27		
	34	-04	30.33		
	35	-05	29.68		
	36	-06	30.40		
	37	-07	30.68		
	38	-08	30.28		
	39	-09	30.10		
	40	↓ -10	29.38		
	41	B121166 MS1	29.83		
	42	↓ MSD1	30.55		
	43	CCV	0.025		1ng/mL
	44	CCB			
	45	1226024-11	30.22		
	46	-12	30.61		
	47	-13	30.91		
	48	↓ -14	29.95		

Comments:

MeHg-Autoanalyzer Analysis Sheet

Sequence: 1200545 Analyst: BJT Date: 7/18/12

	Run/ Vial Position	Sample ID	Analyzed volume	Dilution Factor	Comments **$NaBEt_4$ ID and time out**
	49	1226024-15	30.90		
	50	-16	30.74		
	51	-17	30.23		
	52	-18	30.28		
	53	-19	29.81		
	54	B121166 MS2	29.75		
	55	CCV	0.025		1ng/mL
	56	CCB			
	57	B121166 MSD2	29.30		
	58	1226024-20	30.60		
	59	-21	30.81		
	60	-22	30.27		
	61	-23	29.98		
	62	-24	30.16		
	63	-25	29.75		
	64	-26	30.86		
	65	-27	29.76		
	66	-28	30.95		
	67	CCV	0.025		1ng/mL
	68	CCB			
	69	7-18-12 BJT B 1227027-01	30.02		
	70	B121166-MS3	29.39		
	71	MSD3	29.56		
	72	1227027-03	29.30		

Comments:

MeHg-Autoanalyzer Analysis Sheet

Sequence: 1200545 Analyst: BJT Date: 7/18/12

	Run/ Vial Position	Sample ID	Analyzed volume	Dilution Factor	Comments **$NaBEt_4$ ID and time out**
	73	1227028-01	30.49		
	74	B121106 MS4	29.55		
	75	↓ MSD4	30.03		
	76	CCV	0.05		1ng/mL
	77	CCB			
	78	B121107-BLK1	29.52		
	79	BLK2	29.69		
	80	BLK3	29.92		
	81	BLK4	30.96		
	82	BS1	30.77		
	83	↓ BS2	30.31		
	84	1225015-13	29.77		
	85	1226028-73	30.96		
	86	1227012-07	29.53		
	87	1225015-01	30.19		2x buffer
	88	CCV	0.05		1ng/mL
	89	CCB			
	90	B121107-MS1	30.72		
	91	↓ MSD1	30.28		
	92	1225015-02	30.28		
	93	-11	30.84		
	94	-12	29.31		2x buffer
	95	-14	30.22		
	96	↓ -110	29.67		2x buffer

Comments:

MeHg-Autoanalyzer Analysis Sheet

Sequence: 1200545 Analyst: BST Date: 7/18/12

	Run/ Vial Position	Sample ID	Analyzed volume	Dilution Factor	Comments **$NaBEt_4$ ID and time out**
	97	1225015-17	30.21		2x buffer
	98	-18	29.38		
	99	-19	30.13		2x buffer
	100	CCV 7.18.12 BST -20	0.025		1ng/mL
	101	CCB			
	102	1225015-20	29.64		2x buffer
	103	-21	30.86		↓
	104	-22	30.64		
	105	-23	30.88		
	106	-24	30.24		2x buffer
	107	-25	30.41		↓
	108	-26	29.72		
	109	-27	30.76		2x buffer
	110	1226028-18	30.43		
	111	↓ -29	29.45		
	112	CCV	0.025		1ng/mL
	113	CCB			
	114	1226028-40	30.44		
	115	-51	30.63		
	116	-62	30.38		
	117	-67	30.92		
	118	B121107 MS2	29.39		
	119	↓ MSD2	30.79		
	120	1226028-70	30.12		

Comments:

MeHg-Autoanalyzer Analysis Sheet

Sequence: 1200545 ~~1225~~ 7.18.12 KBJT Analyst: BJ Date: 7/18/12

	Run/ Vial Position	Sample ID	Analyzed volume	Dilution Factor	Comments **$NaBEt_4$ ID and time out**
	121	1226029-01	30.18		
	122	↓ -03	30.60		
	123	B121107-MS3	30.50		
	124	CCV	0.025		1ng/mL
	125	CCB			
	126	B121107 MSD3	30.40		
	127	1226029-06	30.09		
	128	↓ -08	30.31		
	129	↓ -11	30.17		
	130	CCV	0.025		1ng/mL
	131	CCB			
	132	B121102 BLK1	0.030		
	133	↓ BLK2	↓		
	134	BLK3			
	135	BLK4			
	136	↓ SRM1			
	137	1226018-85			
	138	1226028-78			
	139	↓ -79			
	140	B121102 DUP1			
	M1	↓ MS1	↓		
	142	CCV	0.025		1ng/mL
	143	CCB			
	144	B121102-MSD1	0.030		

Comments:

MeHg-Autoanalyzer Analysis Sheet

Sequence: 1200545 Analyst: BJT Date: 7/18/12

	Run/ Vial Position	Sample ID	Analyzed volume	Dilution Factor	Comments **$NaBEt_4$ ID and time out**
	145	1226028-80	0.030		
	146	~~Kidney~~ CCV	0.025		1ng/mL
	147	~~CCB~~ CCB			
	148	Kidney	0.030		RCD
	149	liver	↓		↓
	150	CCV	0.025		1ng/mL
	151	CCB			

7/20/12 KDM

Comments:

Brooks Rand Labs

MMHg Water Prep Benchsheet

Prepped By: AAP
Prep Date: 7·16·12

SOP/Rev #: BR-0011 / 0130
Batch: B121166

Sample ID	Sample Mass (g)	Slot #	Time On	Time Off	pH
1226024-01	50.368	1	1102	1314	3
1226024-02	50.366	2		1317	4
1226024-03	49.641	3		1314	3.5
1226024-04	49.867	4		1335	4
1226024-05	50.906	5		1408	〃
1226024-06	50.104	6		1314	3.5
1226024-07	50.414	7		1317	4
1226024-08	49.554	8		1314	〃
1226024-09	50.857	9		〃	3.5
*1226024-10	50.095	10	〃	1422	4
S 1226024-11	49.980	11	1124		
1226024-12	49.875	12			
S 1226024-13	49.422	13			
1226024-14	49.841	14		1357	
1226024-15	50.978	15		1408	〃
1226024-16	50.059	16		1335	3.5
1226024-17	50.291	17		1335	4
1226024-18	49.689	18			〃
*1226024-19	49.729	19		〃	3.5
1226024-20	49.789	20	〃	1339	4
1226024-21	49.620	21	1146	1408	
1226024-22	49.683	22		1506	
1226024-23	50.433	23		1357	
1226024-24	50.640	24		1402	
1226024-25	49.507	25	↓	1408	↓

Sample ID	Sample Mass (g)	Slot #	Time On	Time Off	pH
1226024-26	49.685	26	1146	1408	3.5
1226024-27	50.694	27		1357	
1226024-28	50.357	28		1441	↓
1226024-29 EB	50.933	29		1357	4
1226024-30 EB	50.340	30	↓	1402	3.5
*1227027-01	49.652	31	1242	1559	4
1227027-03	50.369	32		1441	↓
*1227028-01	49.480	33		1506	3
B121166-BLK1	50.771	34		1519	3.5
B121166-BLK2	50.747	35		1530	4
B121166-BLK3	49.823	36		1537	
B121166-BLK4	50.944	37		1448	
B121166-BS1	49.764	38		1519	
B121166-BS2	49.580	39		1633	
B121166-MS1	49.371	40	7.16.12 AAP	1456	
B121166-MS2	49.590	41	1251	1548	↓
B121166-MS3	49.901	42		1456	3.5
B121166-MS4	49.236	43		1506	
B121166-MSD1	49.631	44		1448	↓
B121166-MSD2	49.440	45		1548	4
B121166-MSD3	50.044	46		1537	↓
B121166-MSD4	49.952	47	↓	1448	3

7/20/12 KDM

Batch QC ID	Source	Spike vol (uL)	Spike conc (ng/mL)	Spike ID	Spike Witness	Reagent	ID
BS 1/2	N/A	50	1	1225056	7/16/12 KJT	0.5 mL H2SO4	1225014
MS/D 1	1226024-10	60				0.2 mL KCL/ L-cysteine	1226004
MS/D 2	1 -19	1				HCl	1227038
MS/D 3	1227027-01	20				Hot Block Temp	138°C
MS/D 4	1227028-01	1				Final Dilution Vol	58mL
	7.16.12 AAP					Balance ID	BL-07

Comments:
* = QC
S = sediment in sample

Brooks Rand Labs

MMHg Water Prep Benchsheet

Prepped By: BJT
Prep Date: 7/17/12

SOP/Rev #: BR-0011 / 013d
Batch: B121107

Sample ID	Sample Mass (g)	Slot #	Time On	Time Off	pH
1225015-01	49.201	11	0920	1140	2.5
1225015-02	50.830	12		1225	3
1225015-11	49.760	13		1155	1
1225015-12	49.476	14		1240	2.5
1225015-13 FB	49.284	15		1225	4.5
1225015-14	50.858	16		1240	3.5
1225015-16	50.493	17		1225	2.5
1225015-17	50.105	18		1155	1
1225015-18	50.523	19		1125	3
1225015-19	50.521	20		1350	2.5
1225015-20	49.219	21	0940	1350	1
1225015-21	50.139	22		1400	2
1225015-22	50.591	23		1240	3
1225015-23	50.482	24		1350	1
1225015-24	49.428	25		1315	2.5
1225015-25	49.9066	26		1350	1
1225015-26	50.912	27		1315	3
1225015-27	50.221	28		1350	2
1226028-18	49.597	1	0900	1120	3.5
1226028-29	49.220	2			1
1226028-40	49.231	3		1155	4
1226028-51	49.214	4		1120	3.5
1226028-62	49.426	5			1
1226028-67	49.217	6		1155	
1226028-70	50.288	7		1120	3

Sample ID	Sample Mass (g)	Slot #	Time On	Time Off	pH
1226028-73 FB	49.805	8	0900	1130	3.5
1226029-01	50.414	9		1240	4
1226029-03	49.468	10		1130	3.5
1226029-06	49.700	29	0940	1225	4
1226029-08	49.635	30		1315	1
1226029-11	49.145	41	1005	1225	3
~~1226034-11~~ 7.17.12 BJT					
1227012-07 FB	49.875	42	1005	1225	4
B121107-BLK1	49.967	43			3.5
B121107-BLK2	49.940	44			1
B121107-BLK3	49.544	45		1250	4
B121107-BLK4	50.051	31	1030	1315	1
B121107-BS1	49.831	32		1350	3.5
B121107-BS2	49.180	33			
B121107-MS1	50.008	34		1400	
B121107-MS2	49.628	36		1225	
B121107-MS3	49.594	38		1315	
B121107-MSD1	49.206	35			3
B121107-MSD2	50.104	37			3.5
B121107-MSD3	50.299	39			1

7/20/12 KDM

Batch QC ID	Source	Spike vol (uL)	Spike conc (ng/mL)	Spike ID	Spike Witness
MS/D 1	5015-02	20	1ng/mL	122556	AAP 7.11.12
2	1226028-67	↓	↓	↓	↓
3	1226029-03	175	↓	↓	↓
BS 1/2	N/A	50	1ng/mL	↓	↓
			7/20/12 KDM		

Reagent	ID
0.5 mL H2SO4	1225014
0.2 mL KCL/ L-cysteine	1226004
HCl	1227038
Hot Block Temp	138°
Final Dilution Vol	58ML
Balance ID	B107

Comments:

* yellow color.

(A) H_2SO_4 preserved with not add 9M H_2SO_4

obrown, stinky

Brooks Rand Labs

MMHg Biota Prep Benchsheet

SOP/Rev #: BR-0011 Rev013d

Prepped By: AAD Batch: B121162

Preparation Start Date/Time*: 7·10·12/1253

* Time is when the first reagents are added.

Preparation End Date/Time**: 7·11·12/1455

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

Sample ID	Sample Mass (g)
1226018-85	0.0998
1226028-78	0.1019
1226028-79	0.1008
1226028-80	0.1023
B121162-BLK1	—
B121162-BLK2	—
B121162-BLK3	—
B121162-BLK4	—
B121162-DUP1	0.1014
B121162-MS1	0.1017
B121162-MSD1	0.1008
B121162-SRM1 (7.10.12 AAD)	~~0.0508~~
Pfizer kidney-1	0.1040
Pfizer liver-1	0.1026

7/20/12 KDM

Sample ID	Sample Mass (g)

7/20/12 KDM

Sample ID	Sample Mass (g)

7/20/12 KDM

Batch QC ID	Sample Source	Spike vol (uL)	Spike conc (ng/mL)	Spike/CRM ID	Spike Wit-ness
Dup/MS/MSD1	1226028-79	~~75~~ 30 (7.10.12 AAD)	1,000 50	1228040	7/10/12 BT
Dup/MS/MSD2					
Dup/MS/MSD3					
Dup/MS/MSD4					
SRM1	NIST-1946	—	—	1145005	—

7.10.12 AAD no CrossOut 7.18.12 BT

Target Temp/Time: 65 C/4 hours

Oven ID: OV-06 (7.10.12 AAD)

Oven Temp (measured / corrected): 65°C/~~65°C~~ 67°C

time on: 1259

time off: (7.10.12 AAD) 1659 oven timer

Balance ID: BL-08

Thermometer ID: BR-02

Final Dilution Volume: 2.5mL

Reagent	ID
1 mL KOH/Me	1224016
Methanol	1143003

Comments:

50ng/mL Spike: 1mL total = 50uL 1,000ng/mL + 0.95mL DIW
↳ LIMS ID 12250114

Sample Characteristics Log (Biota)

(BR-0106 Rev 003)

Prep Technician: AAP Date: 7.10.12

Batch(es): B121161, B121162

Sample ID	Matrix/Submatrix	Physical Characteristics
1226018-85	Biota/Periphyton	black mushy stuff w/ white fiberous pieces, heterogeneous, ea
1226028-78		green, white & gray, spongy, heterogeneous, chunky large pieces
-79		
-80		

7/20/12 KDM

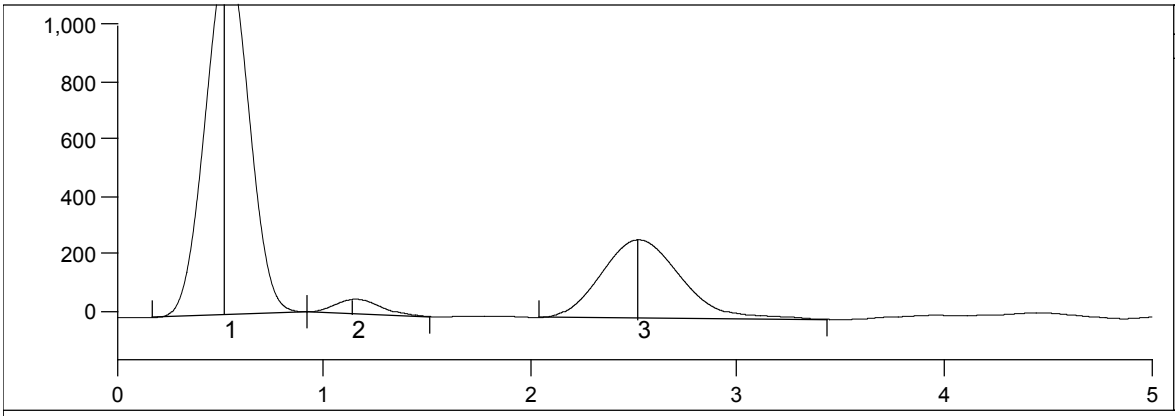
Additional Notes:

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

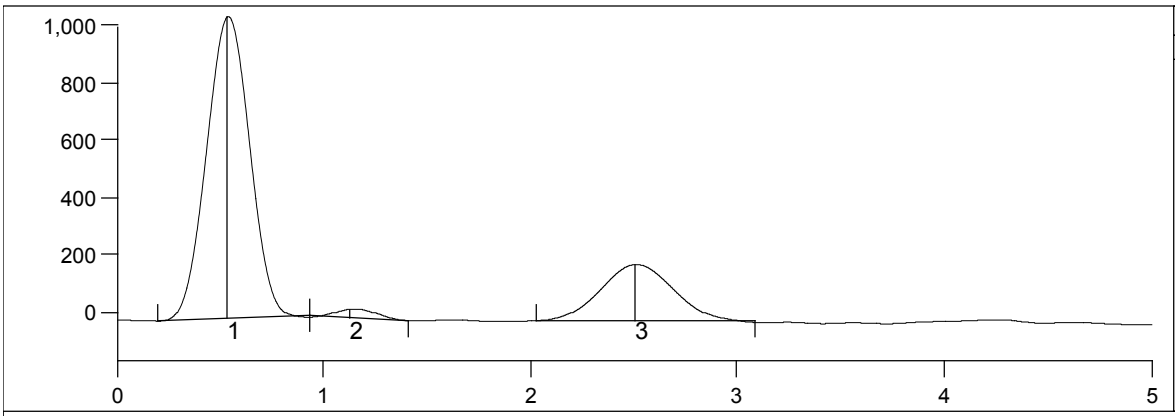


Date: 7/18/12
Time: 2:16 PM

Peak	rt	Height
1	0.53	1,252
2	1.14	52
3	2.51	277

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
1	A	Rins	Rinse		2	52	0.205	0.00	0.00	< 0.05	accept

Notes

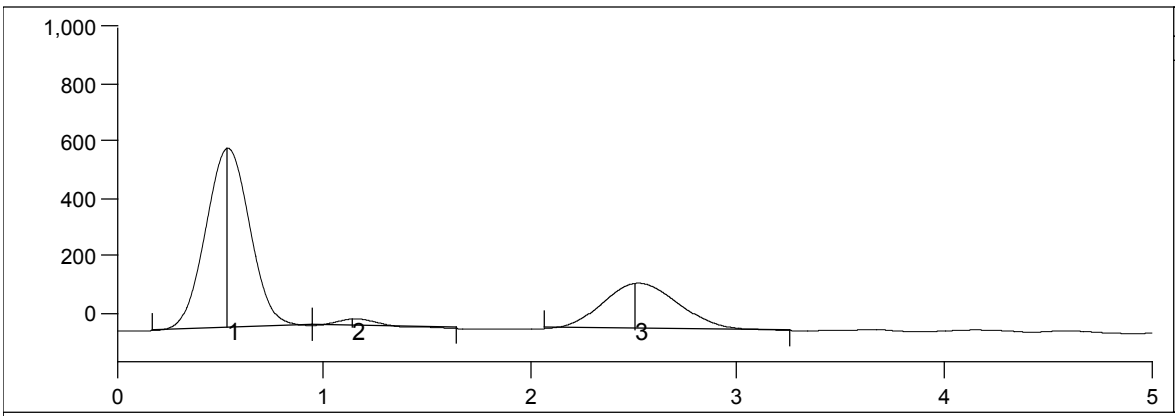


Date: 7/18/12
Time: 2:22 PM

Peak	rt	Height
1	0.53	1,064
2	1.13	36
3	2.50	202

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
2	B	Rins	Rinse		2	36	0.142	0.00	0.00	< 0.05	accept

Notes



Date: 7/18/12
Time: 2:29 PM

Peak	rt	Height
1	0.53	634
2	1.14	26
3	2.51	163

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
3	C	Rins	Rinse		2	26	0.103	0.00	0.00	< 0.05	accept

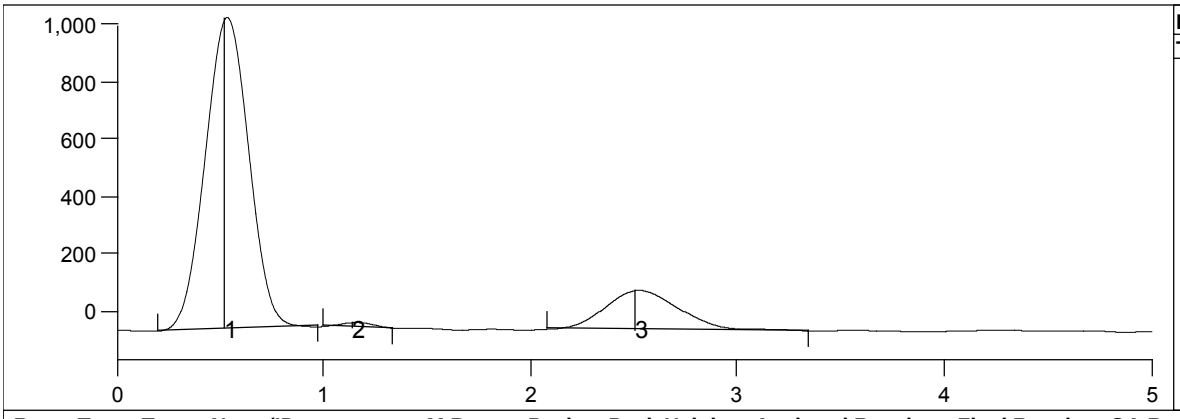
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

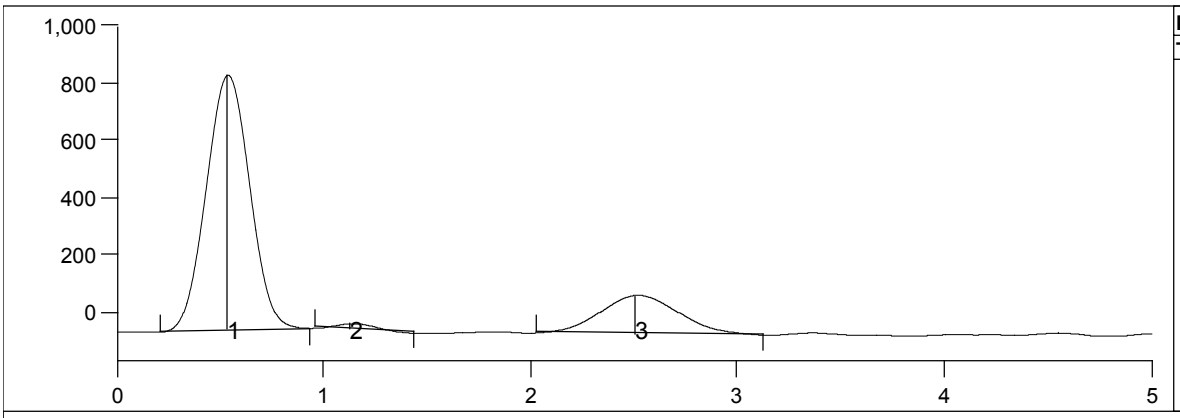


Date: 7/18/12
Time: 2:36 PM

Peak	rt	Height
1	0.53	1,095
2	1.15	17
3	2.51	140

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
4	A	CB	SEQ-IBL		2	17	0.0671		0.0671	< 1.4	accept

Notes

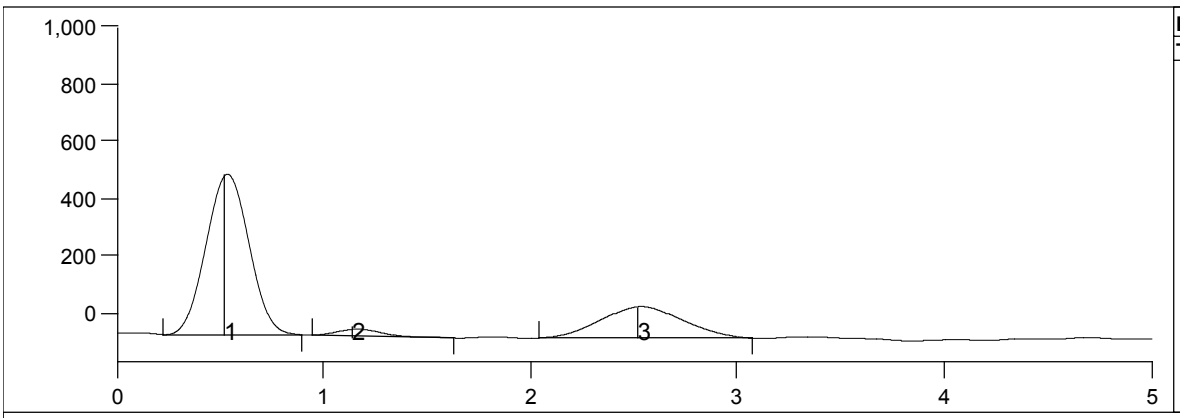


Date: 7/18/12
Time: 2:42 PM

Peak	rt	Height
1	0.53	897
2	1.13	22
3	2.51	137

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
5	B	CB	SEQ-IBL		2	22	0.0868		0.0868	< 1.4	accept

Notes



Date: 7/18/12
Time: 2:49 PM

Peak	rt	Height
1	0.53	565
2	1.14	23
3	2.52	112

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
6	C	CB	SEQ-IBL		2	23	0.0907		0.0907	< 1.4	accept

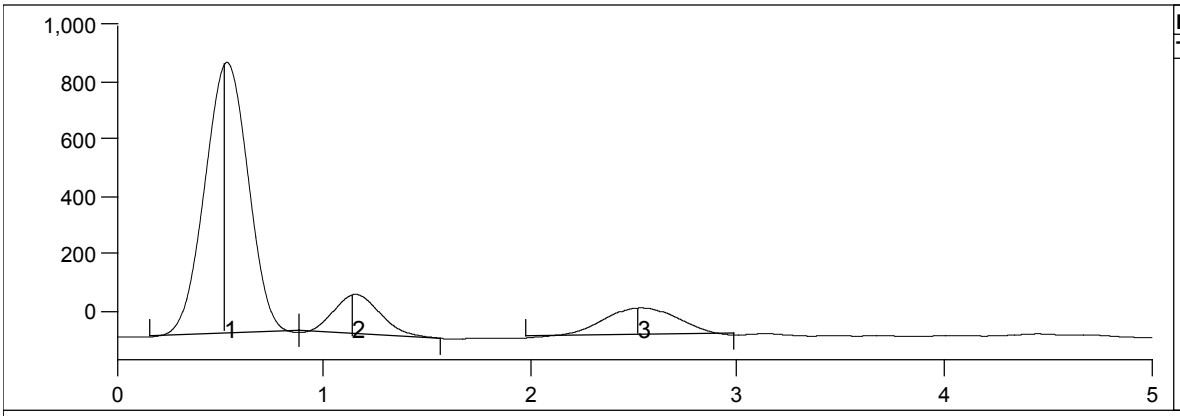
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

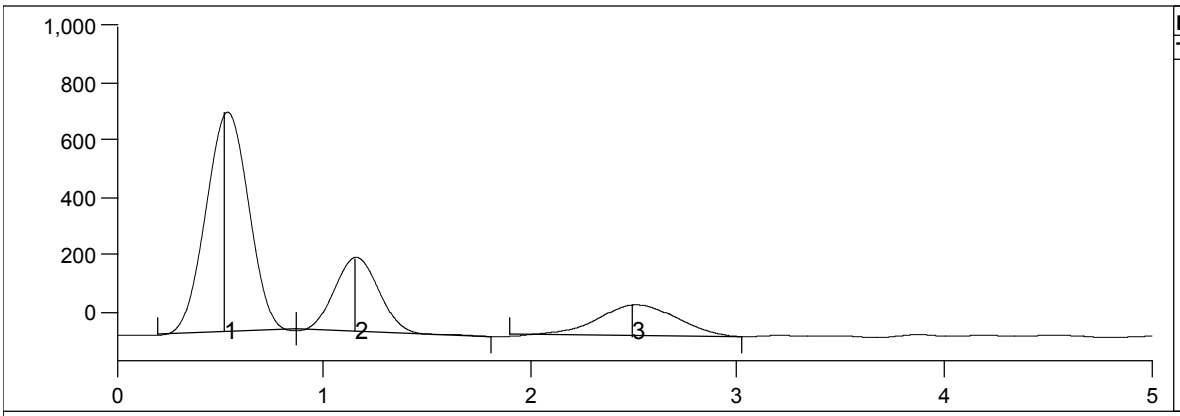


Date: 7/18/12
Time: 2:56 PM

Peak	rt	Height
1	0.52	957
2	1.14	143
3	2.52	103

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
7	A	STD	SEQ-CAL1		2	143	0.483		96.5	65-135	accept

Notes

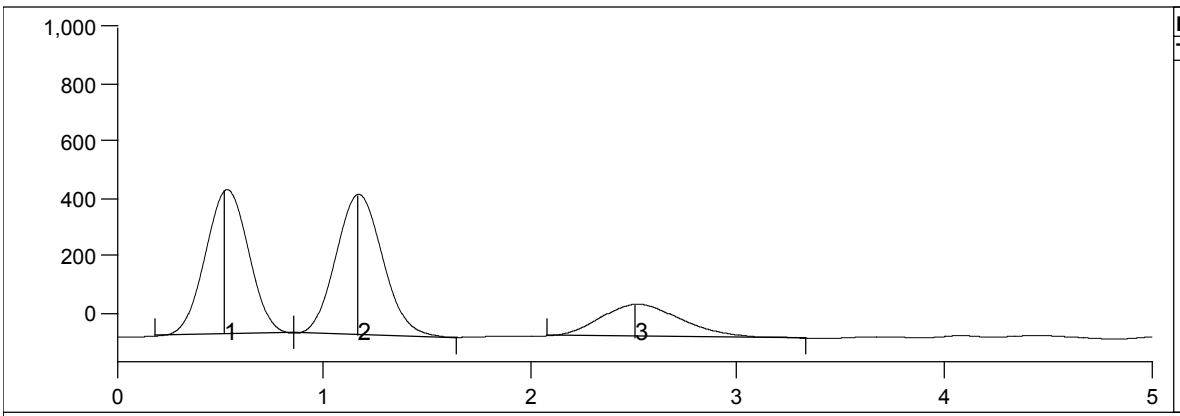


Date: 7/18/12
Time: 3:02 PM

Peak	rt	Height
1	0.53	777
2	1.15	266
3	2.50	114

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
8	B	STD	SEQ-CAL2		2	266	0.968		96.8	65-135	accept

Notes



Date: 7/18/12
Time: 3:09 PM

Peak	rt	Height
1	0.53	511
2	1.16	495
3	2.50	116

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
9	C	STD	SEQ-CAL3		2	495	1.87		93.6	65-135	accept

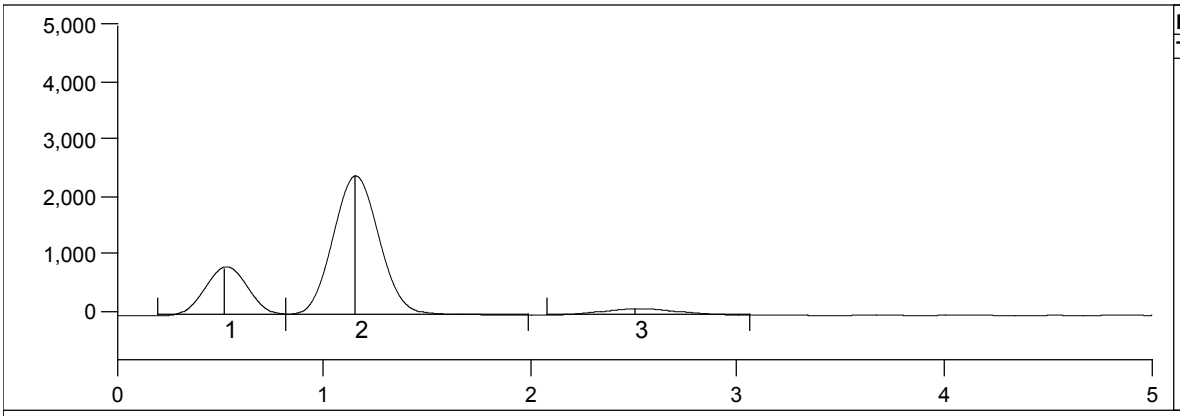
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

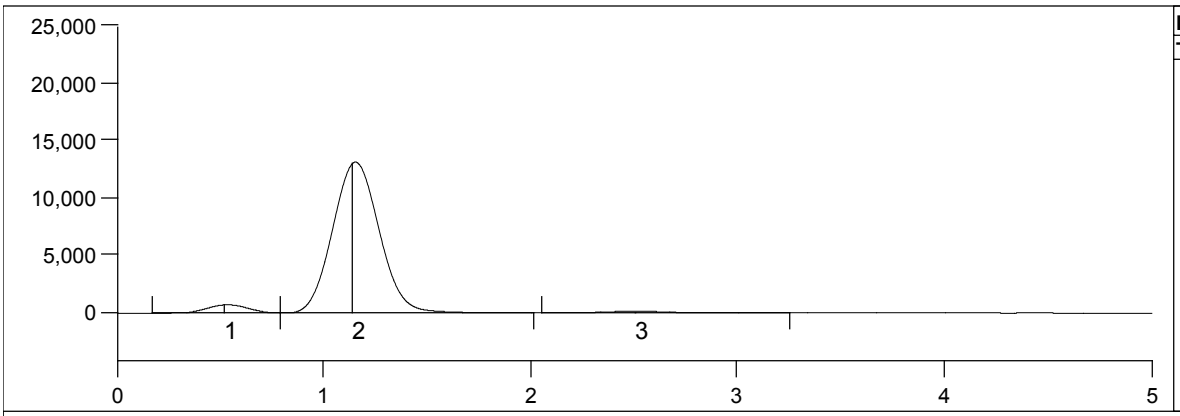


Date: 7/18/12
Time: 3:16 PM

Peak	rt	Height
1	0.52	857
2	1.15	2,437
3	2.51	121

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
10	A	STD	SEQ-CAL4		2	2,437	9.53		95.3	65-135	accept

Notes

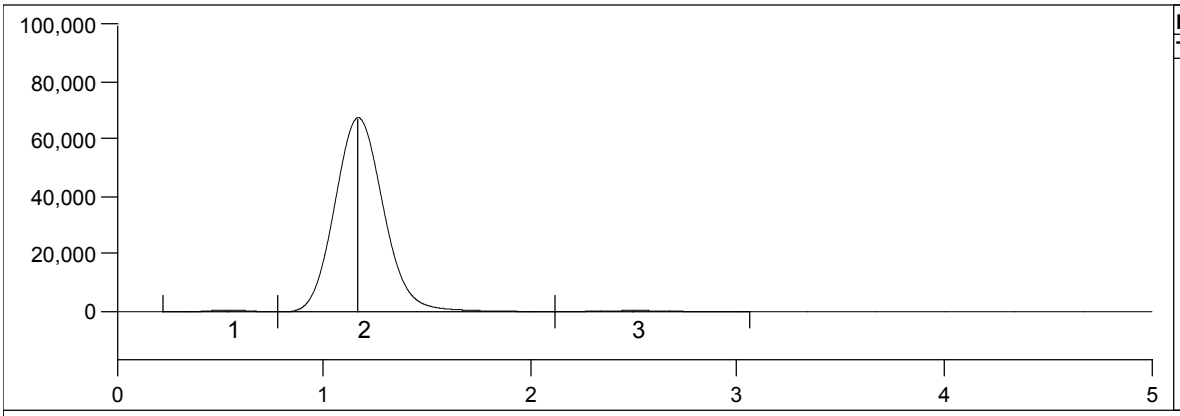


Date: 7/18/12
Time: 3:22 PM

Peak	rt	Height
1	0.53	763
2	1.15	13,242
3	2.50	178

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
11	B	STD	SEQ-CAL5		2	13,242	52.2		104	65-135	accept

Notes



Date: 7/18/12
Time: 3:29 PM

Peak	rt	Height
1	0.53	690
2	1.16	68,053
3	2.50	402

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
12	C	STD	SEQ-CAL6		2	68,053	268		107	65-135	accept

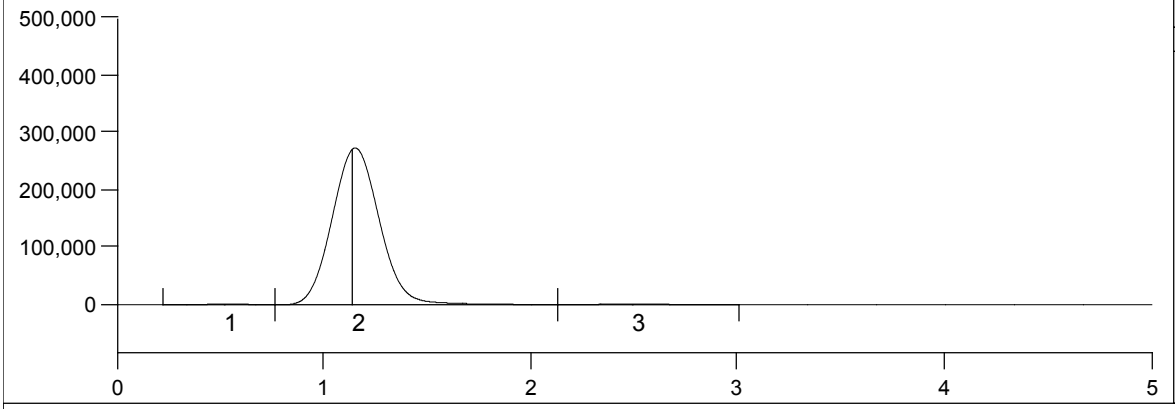
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

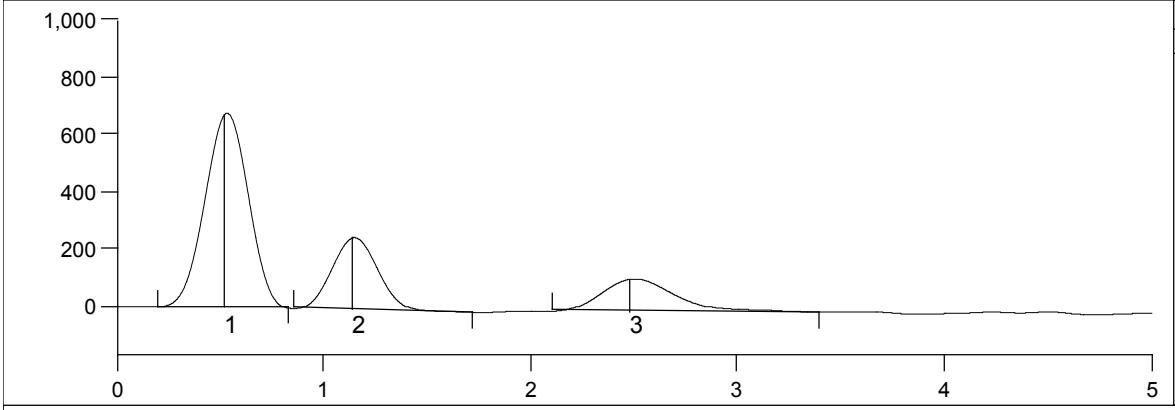


Date: 7/18/12
Time: 3:36 PM

Peak	rt	Height
1	0.53	1,902
2	1.14	274,839
3	2.50	1,059

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
13	A	STD	SEQ-CAL7		2	274,839	1,080		108	65-135	accept

Notes

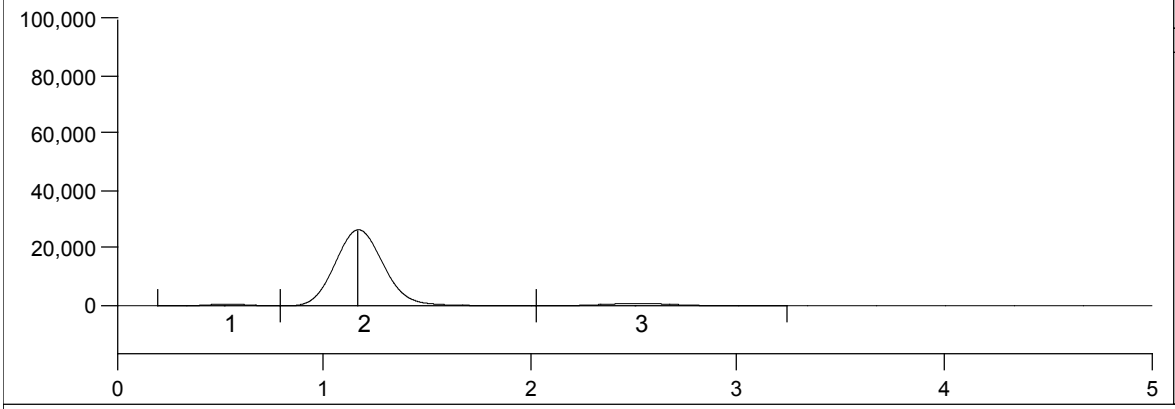


Date: 7/18/12
Time: 3:42 PM

Peak	rt	Height
1	0.53	683
2	1.14	255
3	2.49	115

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
14	B	CCB	SEQ-CCB		2	255	1.01		1.01	< 1.4	accept

Notes



Date: 7/18/12
Time: 3:49 PM

Peak	rt	Height
1	0.53	643
2	1.16	26,680
3	2.51	812

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
15	C	ICV	SEQ-ICV		2	26,680	105		105	80-120	accept

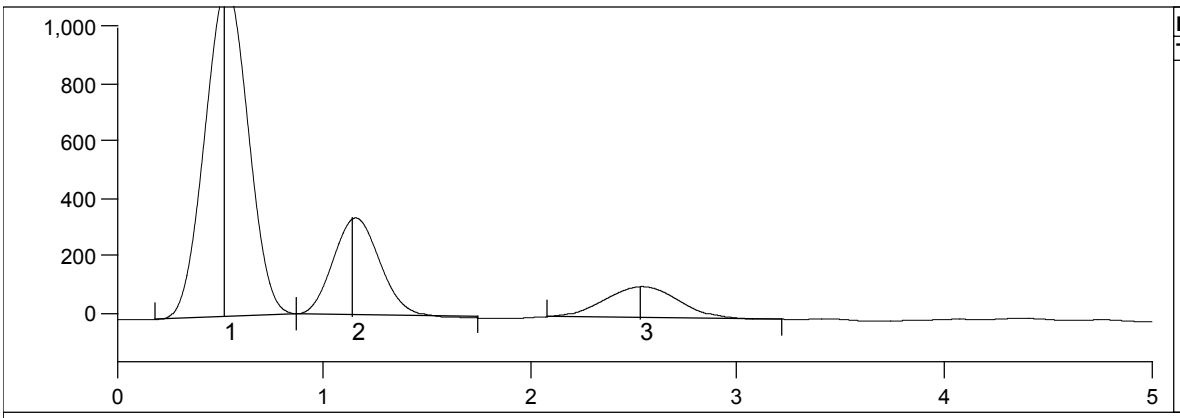
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

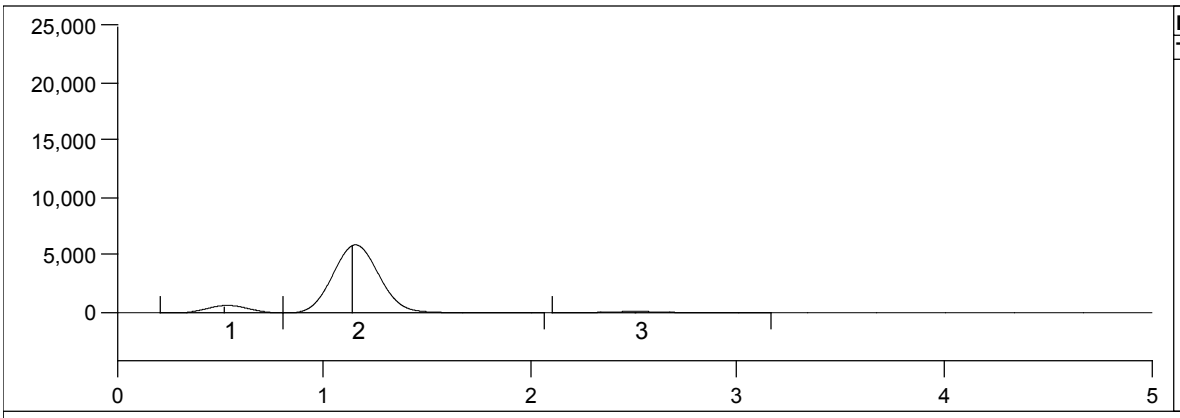


Date: 7/18/12
Time: 3:56 PM

Peak	rt	Height
1	0.52	1,155
2	1.15	341
3	2.53	111

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
16	A	CCB	SEQ-CCB		2	341	1.35		1.35	< 1.4	accept

Notes

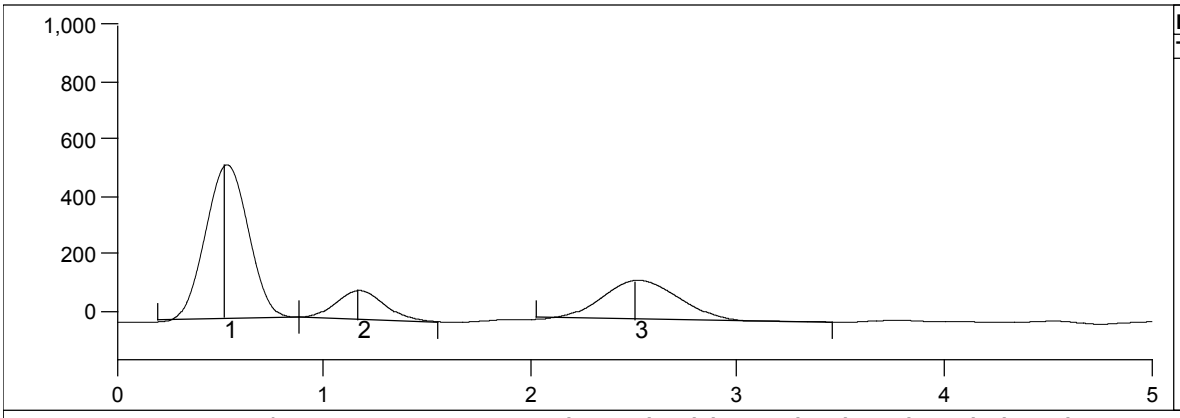


Date: 7/18/12
Time: 4:02 PM

Peak	rt	Height
1	0.53	675
2	1.15	5,970
3	2.50	139

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
17	B	CCV	SEQ-CCV		2	5,970	23.5		93.9	67-133	accept

Notes



Date: 7/18/12
Time: 4:09 PM

Peak	rt	Height
1	0.53	545
2	1.16	102
3	2.51	142

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
18	C	CCB	SEQ-CCB		2	102	0.402		0.402	< 1.4	accept

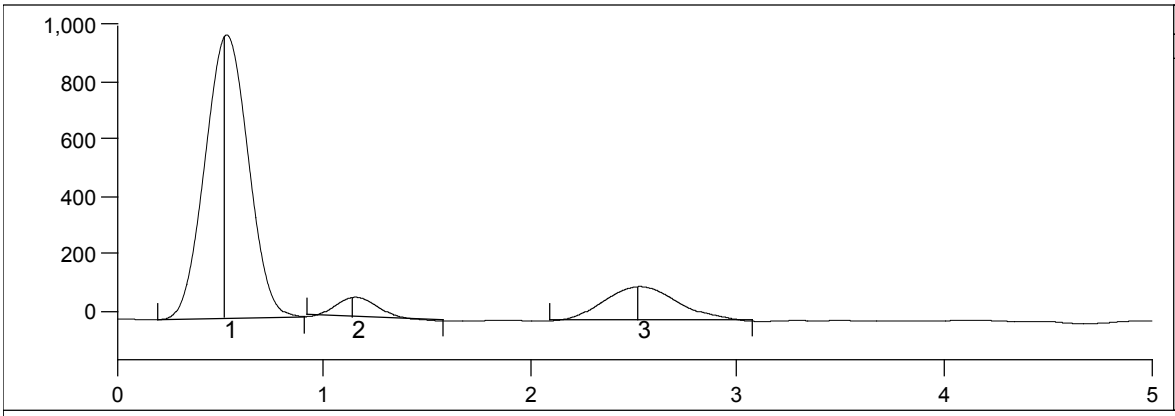
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

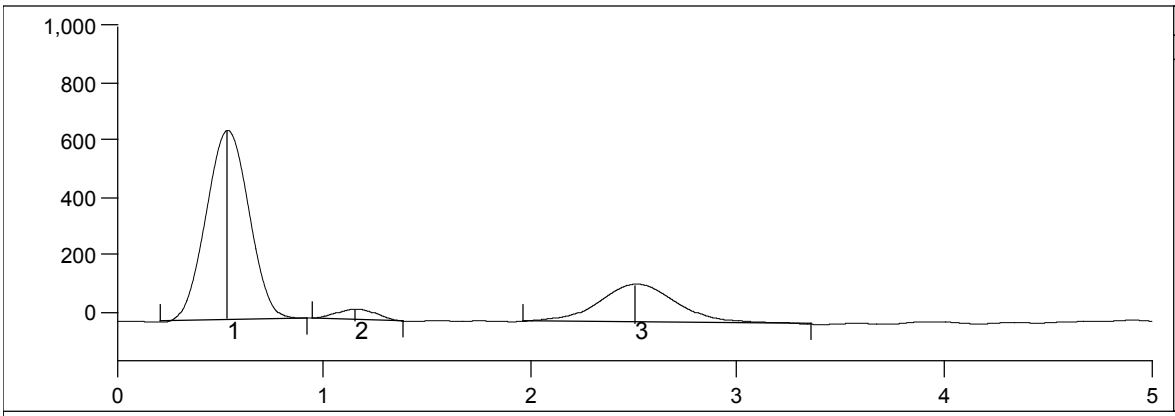


Date: 7/18/12
Time: 4:16 PM

Peak	rt	Height
1	0.52	996
2	1.15	75
3	2.52	123

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
19	A	CCB	SEQ-CCB		2	75	0.296		0.296	< 1.4	accept

Notes

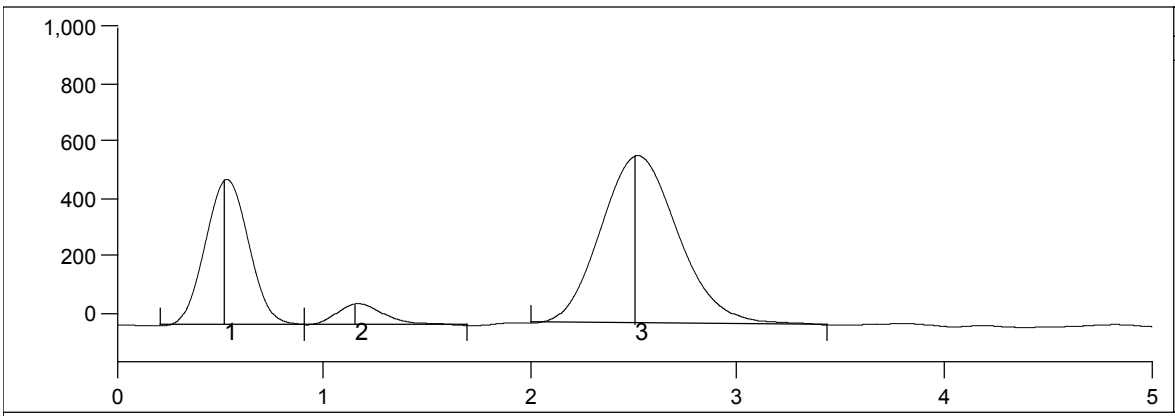


Date: 7/18/12
Time: 4:22 PM

Peak	rt	Height
1	0.53	669
2	1.15	39
3	2.50	137

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
20	B	CCB	SEQ-CCB		2	39	0.154		0.154	< 1.4	accept

Notes



Date: 7/18/12
Time: 4:29 PM

Peak	rt	Height
1	0.52	514
2	1.16	77
3	2.51	591

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
21	C	S	B121166-BLK1		2	77	0.222	0.00		< HS	accept

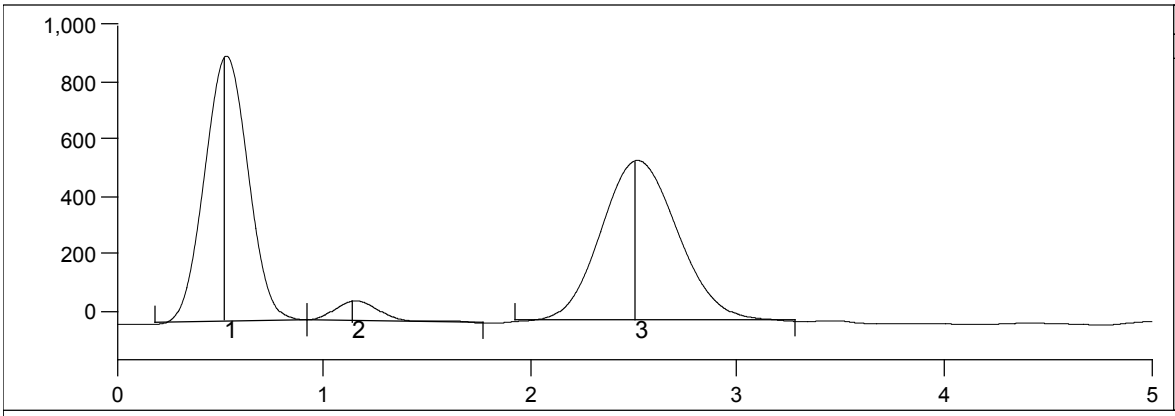
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

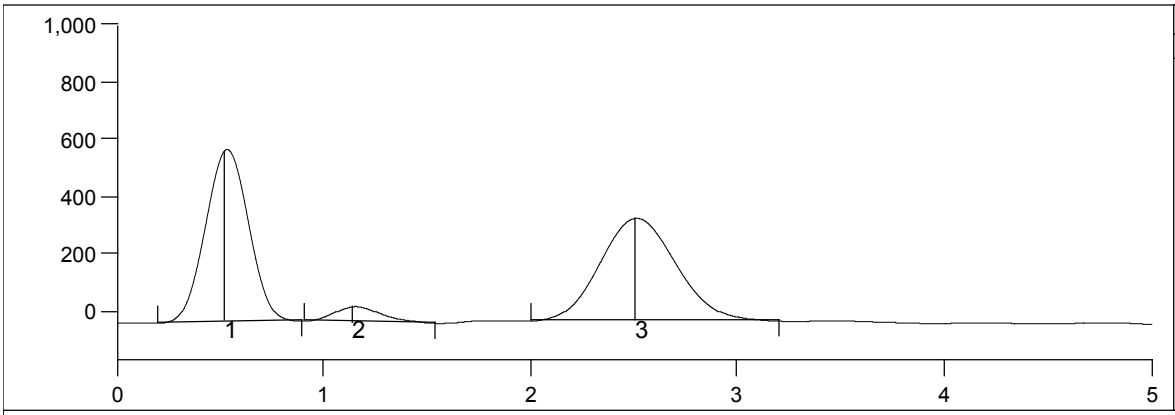


Date: 7/18/12
Time: 4:36 PM

Peak	rt	Height
1	0.52	936
2	1.14	72
3	2.51	567

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
22	A	S	B121166-BLK2		2	72	0.202	0.00		< HS	accept

Notes

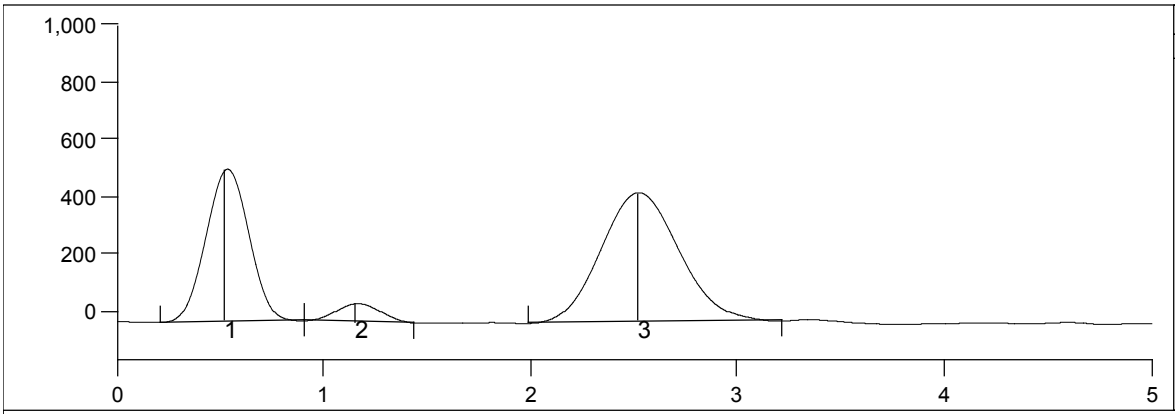


Date: 7/18/12
Time: 4:42 PM

Peak	rt	Height
1	0.53	608
2	1.15	56
3	2.50	363

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
23	B	S	B121166-BLK3		2	56	0.139	0.00		< HS	accept

Notes



Date: 7/18/12
Time: 4:49 PM

Peak	rt	Height
1	0.53	537
2	1.16	67
3	2.52	458

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
24	C	S	B121166-BLK4		2	67	0.183	0.00		< HS	accept

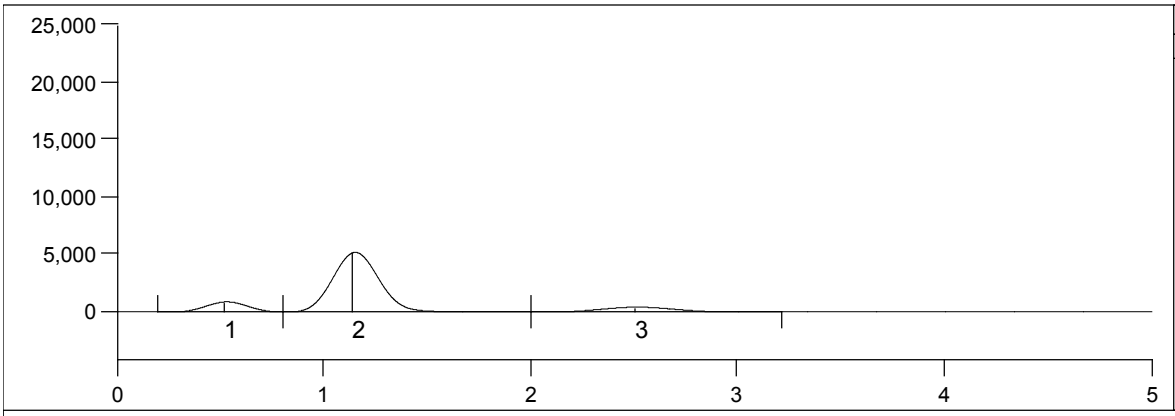
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

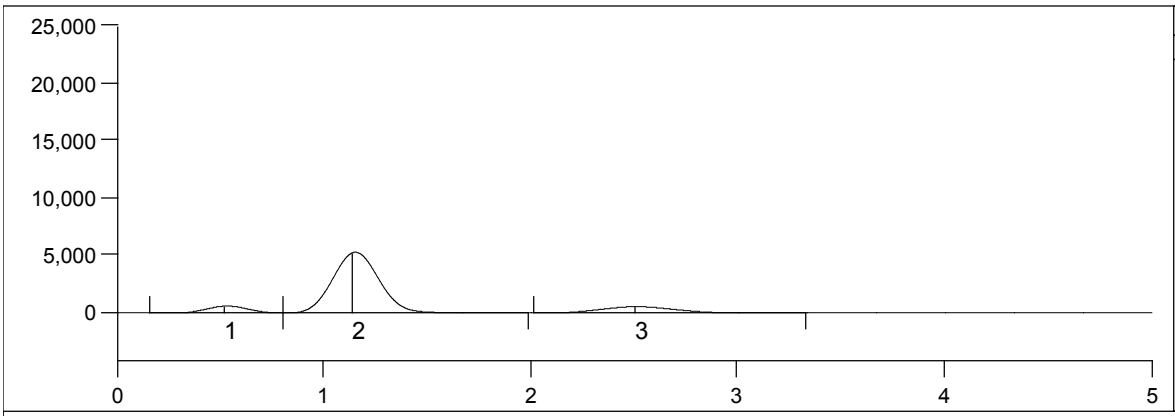


Date: 7/18/12
Time: 4:56 PM

Peak	rt	Height
1	0.52	910
2	1.14	5,231
3	2.51	445

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
25	A	S	B121166-BS1		2	5,231	20.6	0.00		< HS	accept

Notes

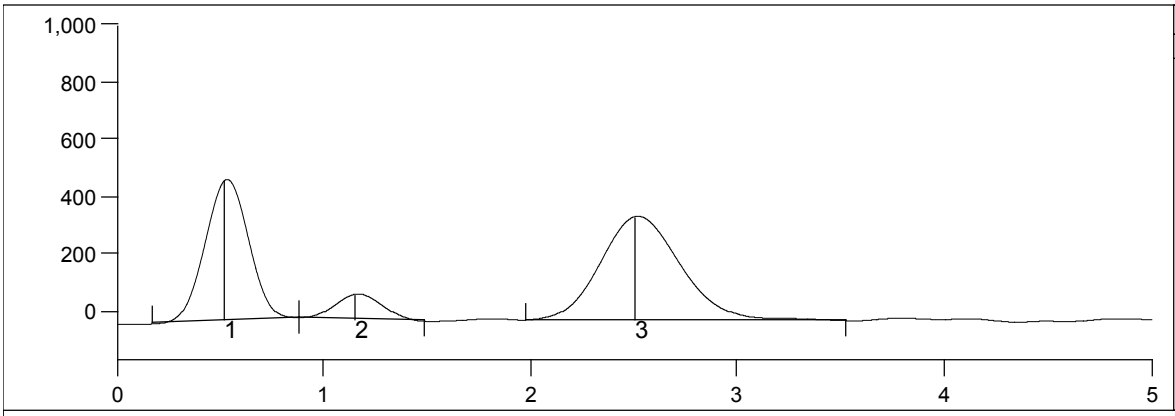


Date: 7/18/12
Time: 5:02 PM

Peak	rt	Height
1	0.53	625
2	1.15	5,332
3	2.50	561

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
26	B	S	B121166-BS2		2	5,332	21.0	0.00		< HS	accept

Notes



Date: 7/18/12
Time: 5:09 PM

Peak	rt	Height
1	0.53	498
2	1.16	91
3	2.51	367

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
27	C	S	1226024-29		2	91	0.277	0.00		< HS	accept

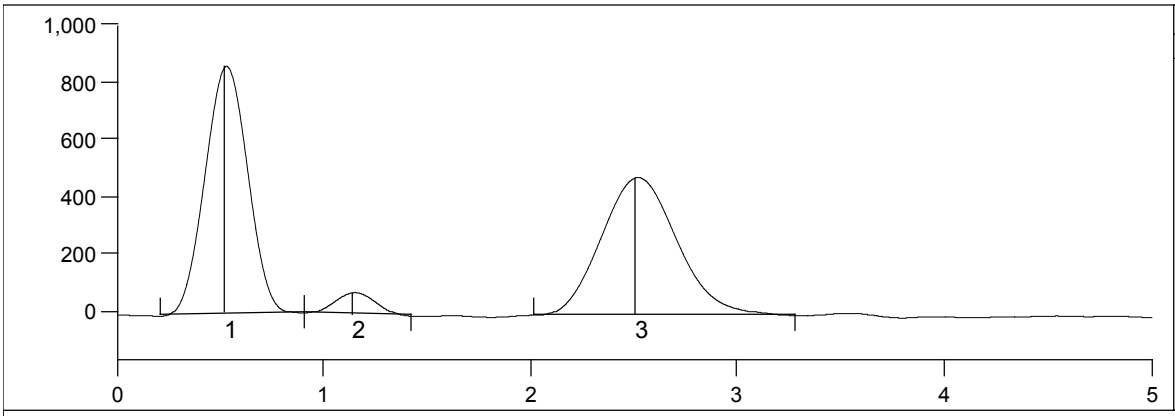
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

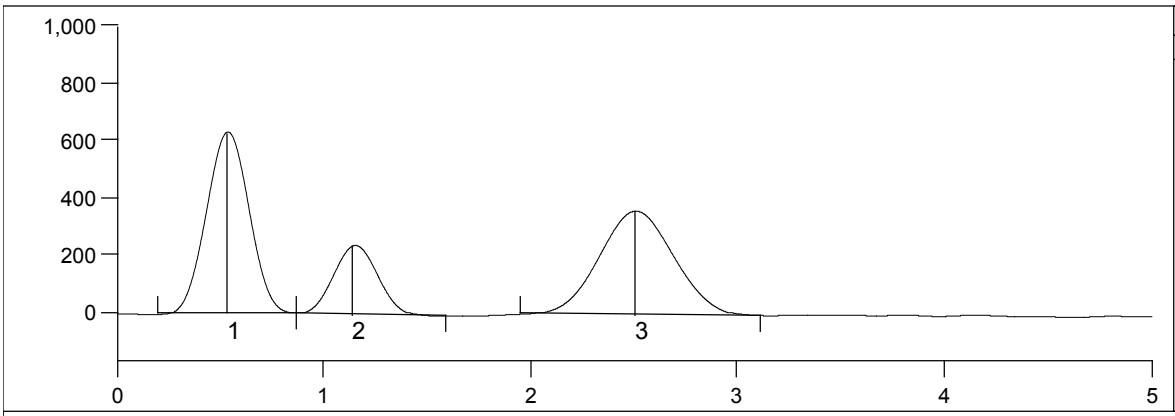


Date: 7/18/12
Time: 5:16 PM

Peak	rt	Height
1	0.52	872
2	1.14	78
3	2.51	485

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
28	A	S	1226024-30		2	78	0.226	0.00		< HS	accept

Notes

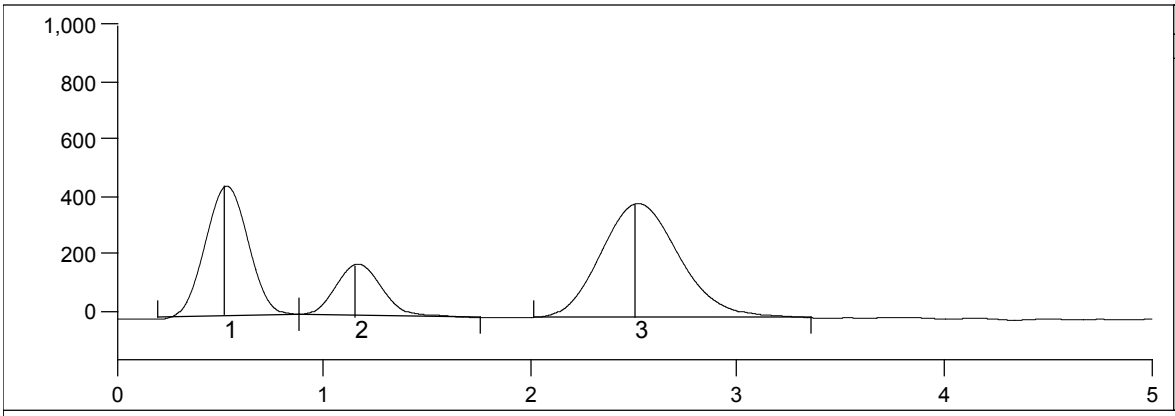


Date: 7/18/12
Time: 5:22 PM

Peak	rt	Height
1	0.53	640
2	1.15	242
3	2.50	366

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
29	B	S	1226024-01		2	242	0.873	0.00		< HS	accept

Notes



Date: 7/18/12
Time: 5:29 PM

Peak	rt	Height
1	0.52	461
2	1.16	182
3	2.51	402

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
30	C	S	1226024-02		2	182	0.636	0.00		< HS	accept

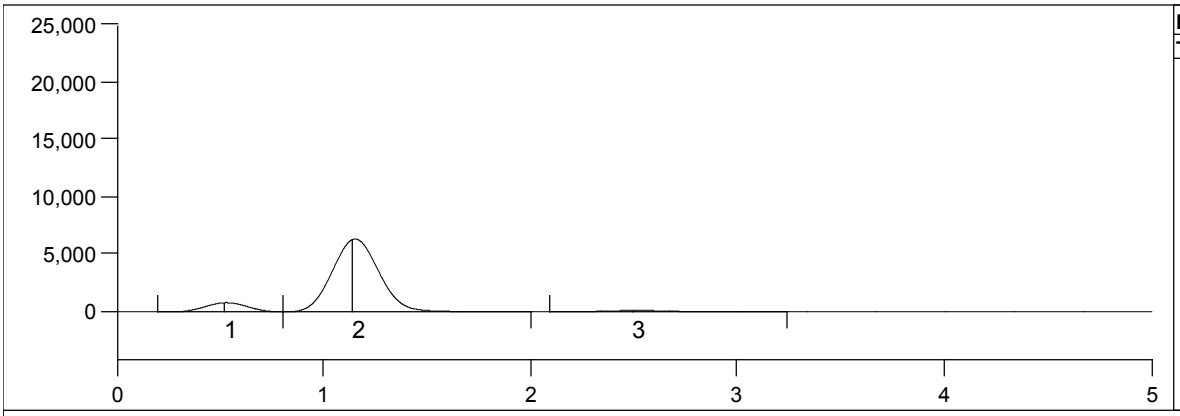
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

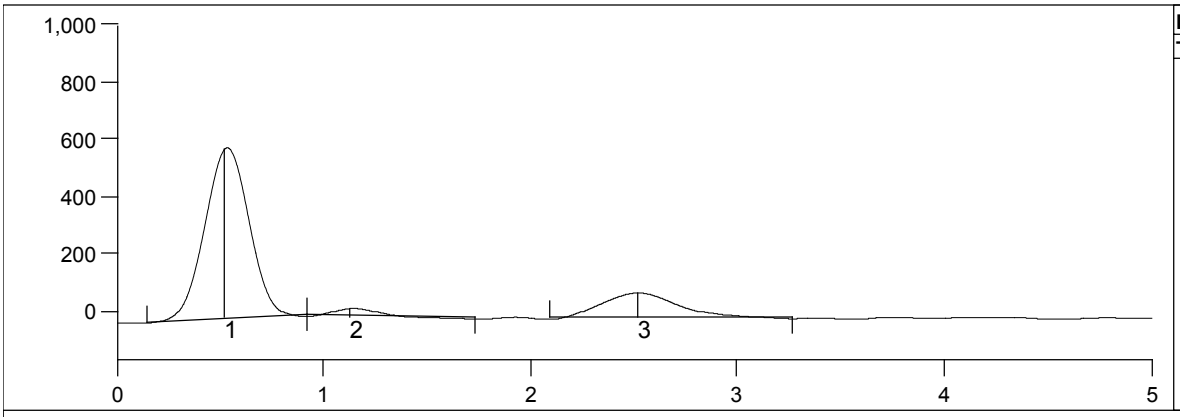


Date: 7/18/12
Time: 5:36 PM

Peak	rt	Height
1	0.52	825
2	1.14	6,389
3	2.50	139

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
31	A	CCV	SEQ-CCV		2	6,389	25.1		100.	67-133	accept

Notes

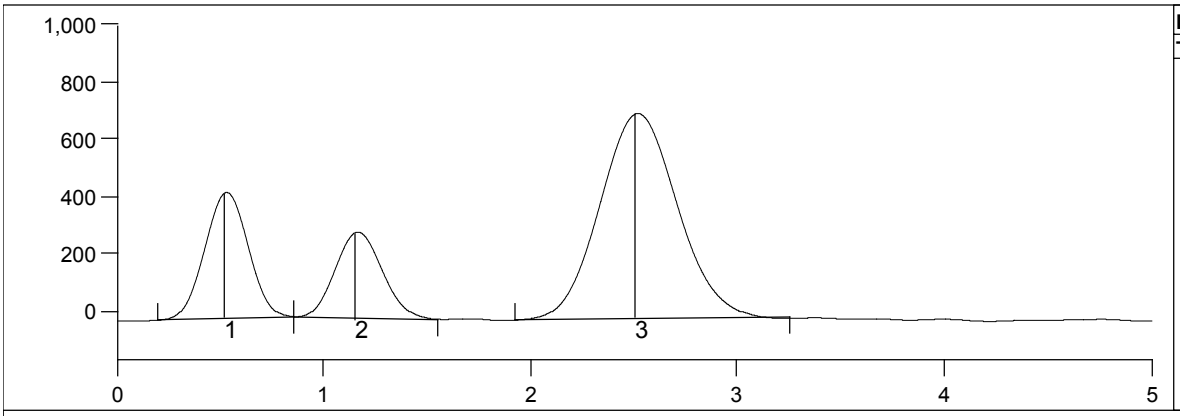


Date: 7/18/12
Time: 5:42 PM

Peak	rt	Height
1	0.53	605
2	1.13	32
3	2.51	95

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
32	B	CCB	SEQ-CCB		2	32	0.126		0.126	< 1.4	accept

Notes



Date: 7/18/12
Time: 5:49 PM

Peak	rt	Height
1	0.52	445
2	1.16	303
3	2.51	724

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
33	C	S	1226024-03		2	303	1.11	0.00		< HS	accept

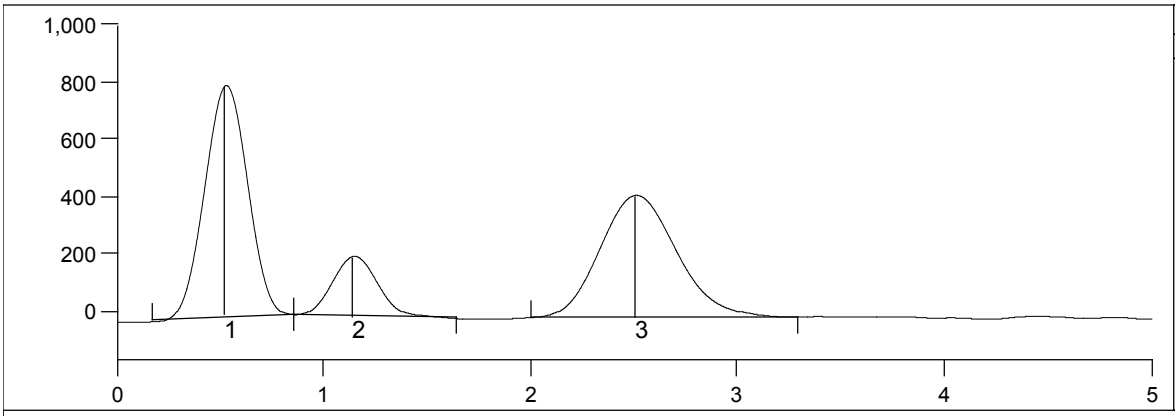
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

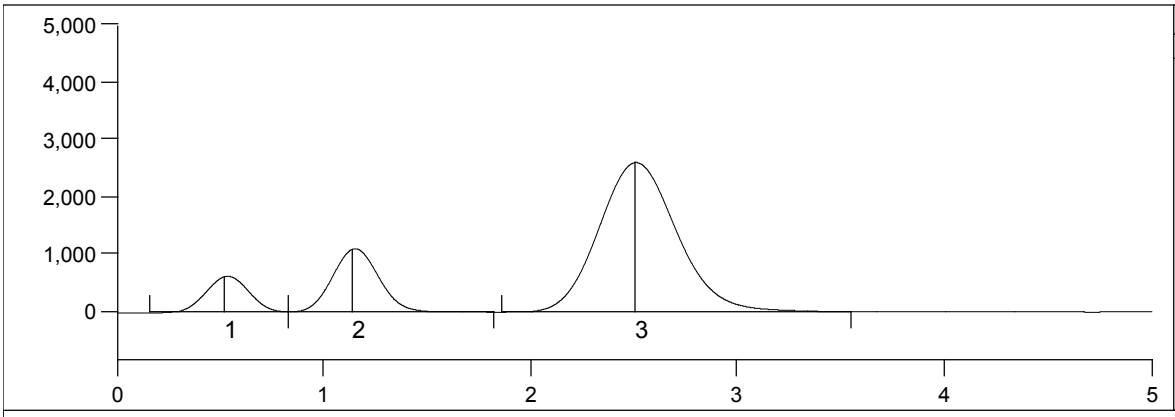


Date: 7/18/12
Time: 5:56 PM

Peak	rt	Height
1	0.52	819
2	1.14	212
3	2.50	431

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
34	A	S	1226024-04		2	212	0.755	0.00		< HS	accept

Notes

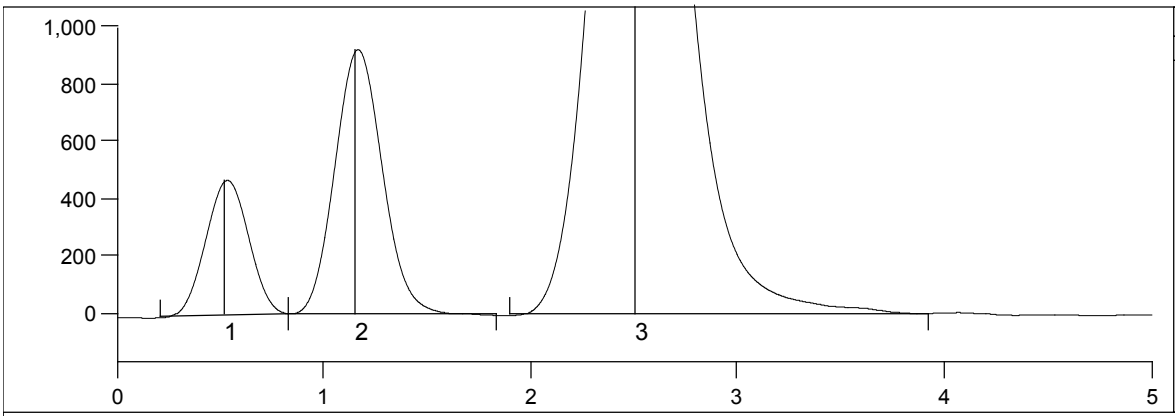


Date: 7/18/12
Time: 6:02 PM

Peak	rt	Height
1	0.53	636
2	1.14	1,110
3	2.50	2,625

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
35	B	S	1226024-05		2	1,110	4.30	0.00		< HS	accept

Notes



Date: 7/18/12
Time: 6:09 PM

Peak	rt	Height
1	0.53	476
2	1.16	928
3	2.51	3,343

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
36	C	S	1226024-06		2	928	3.58	0.00		< HS	accept

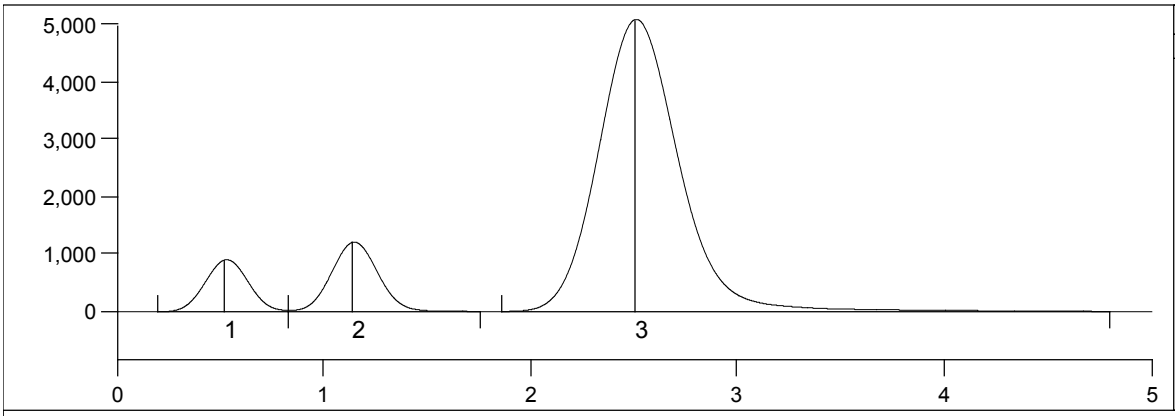
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

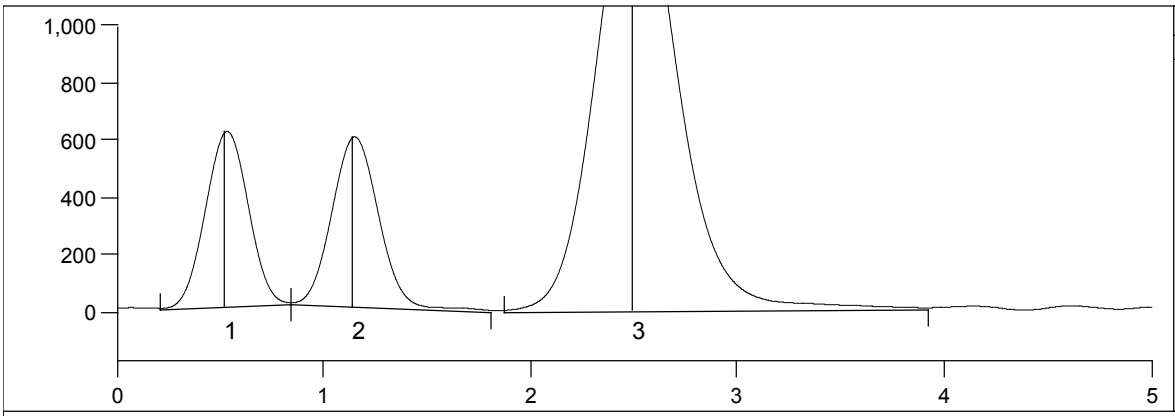


Date: 7/18/12
Time: 6:16 PM

Peak	rt	Height
1	0.52	900
2	1.14	1,203
3	2.50	5,118

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
37	A	S	1226024-07		2	1,203	4.66	0.00		< HS	accept

Notes

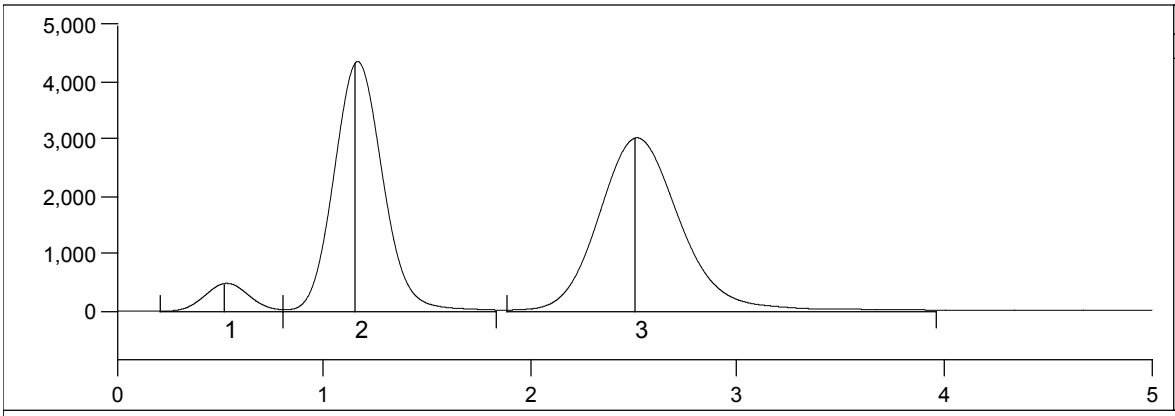


Date: 7/18/12
Time: 6:22 PM

Peak	rt	Height
1	0.53	610
2	1.14	589
3	2.50	1,600

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
38	B	S	1226024-08		2	589	2.24	0.00		< HS	accept

Notes



Date: 7/18/12
Time: 6:29 PM

Peak	rt	Height
1	0.52	476
2	1.16	4,353
3	2.51	3,018

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
39	C	S	1226024-09		2	4,353	17.1	0.00		< HS	accept

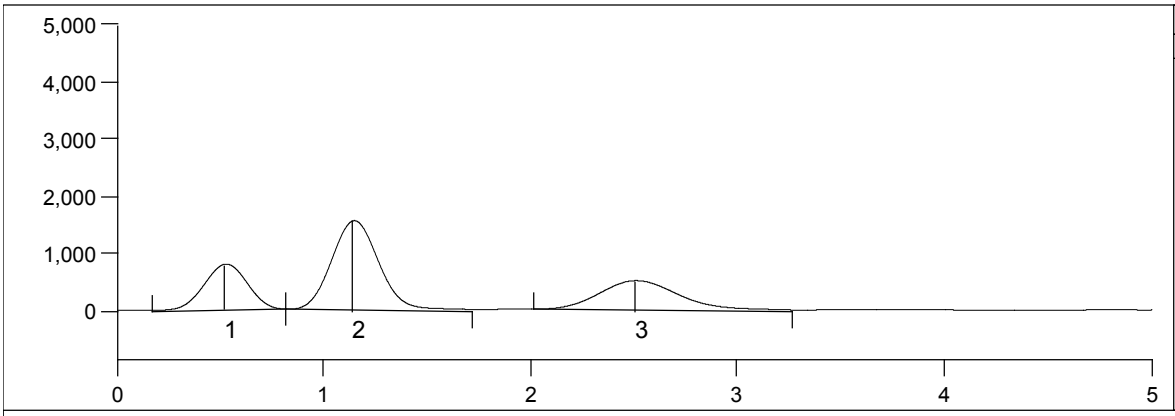
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

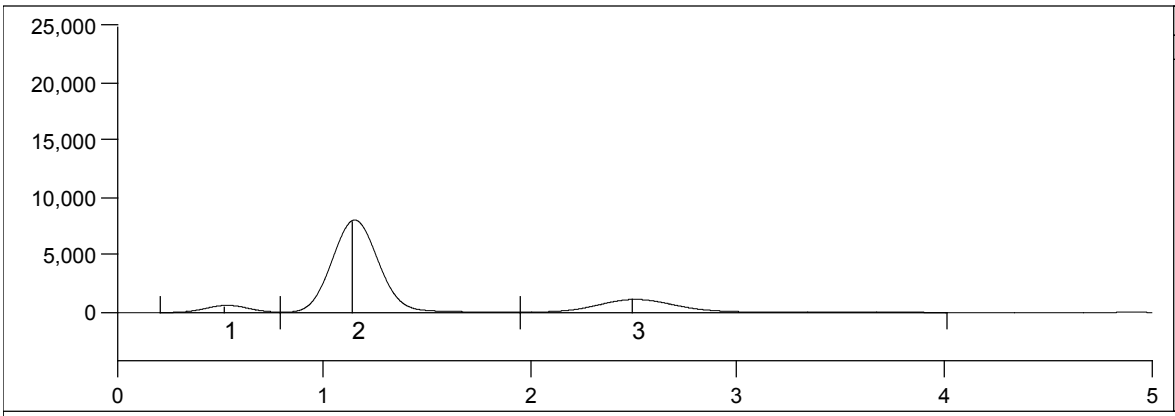


Date: 7/18/12
Time: 6:36 PM

Peak	rt	Height
1	0.52	799
2	1.14	1,554
3	2.50	506

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
40	A	S	1226024-10		2	1,554	6.05	0.00		< HS	accept

Notes

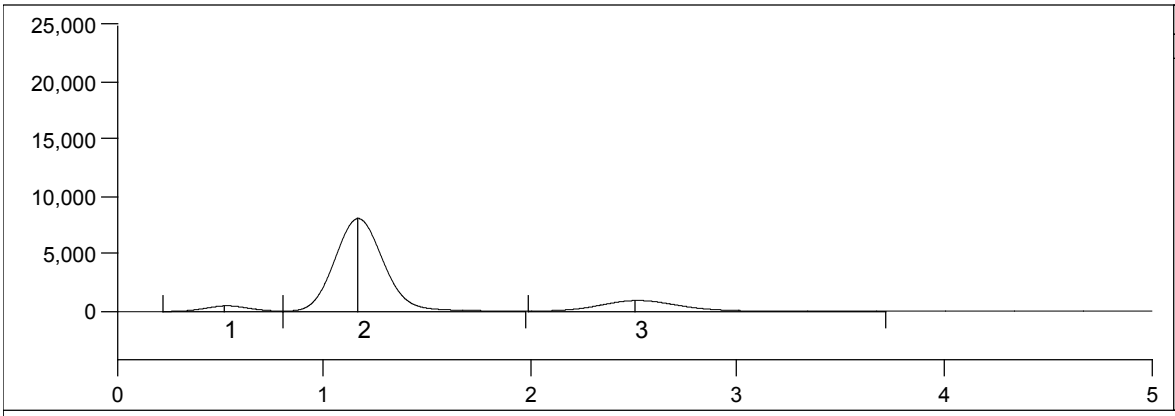


Date: 7/18/12
Time: 6:42 PM

Peak	rt	Height
1	0.53	605
2	1.14	8,071
3	2.50	1,112

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
41	B	S	B121166-MS1		2	8,071	31.8	0.00		< HS	accept

Notes



Date: 7/18/12
Time: 6:49 PM

Peak	rt	Height
1	0.52	464
2	1.16	8,105
3	2.51	923

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
42	C	S	B121166-MSD1		2	8,105	31.9	0.00		< HS	accept

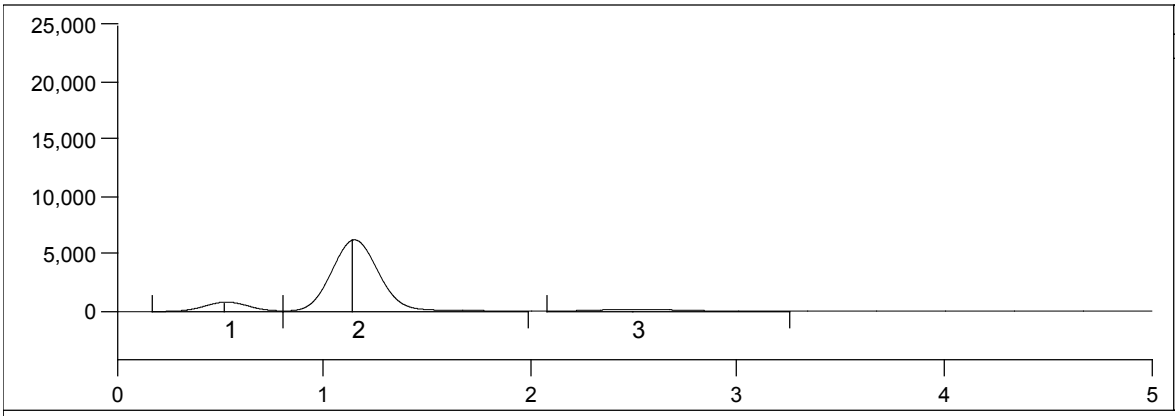
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

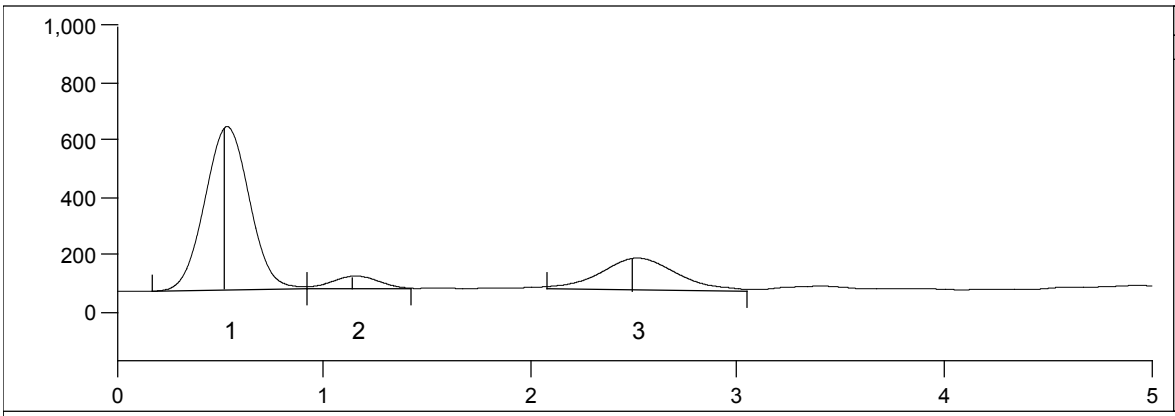


Date: 7/18/12
Time: 6:56 PM

Peak	rt	Height
1	0.52	788
2	1.14	6,221
3	2.50	136

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
43	A	CCV	SEQ-CCV		2	6,221	24.5		97.8	67-133	accept

Notes

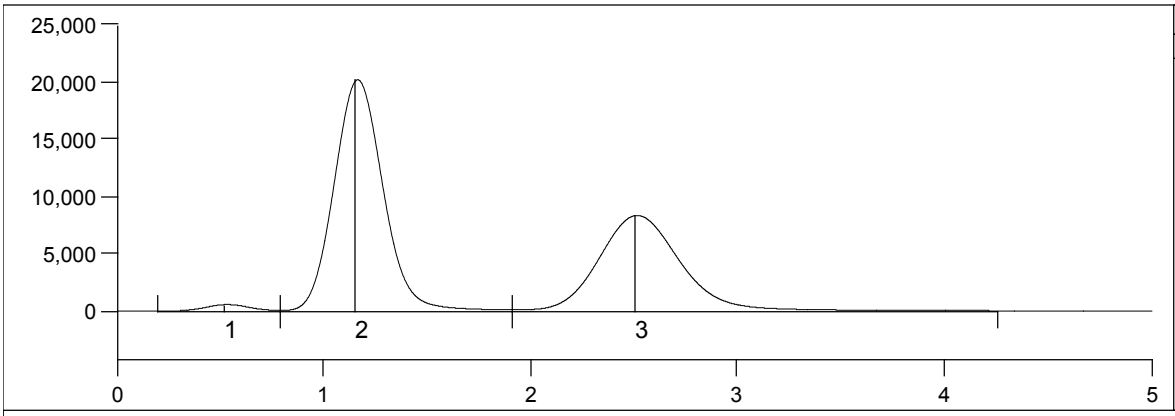


Date: 7/18/12
Time: 7:02 PM

Peak	rt	Height
1	0.53	570
2	1.14	40
3	2.50	103

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
44	B	CCB	SEQ-CCB		2	40	0.158		0.158	< 1.4	accept

Notes



Date: 7/18/12
Time: 7:09 PM

Peak	rt	Height
1	0.53	538
2	1.16	20,195
3	2.51	8,289

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
45	C	S	1226024-11		2	20,195	79.6	0.00		< HS	accept

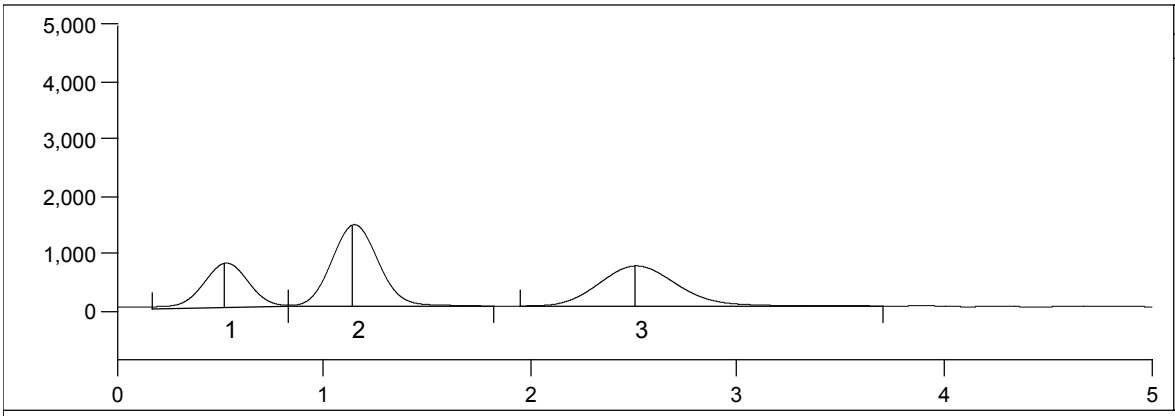
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

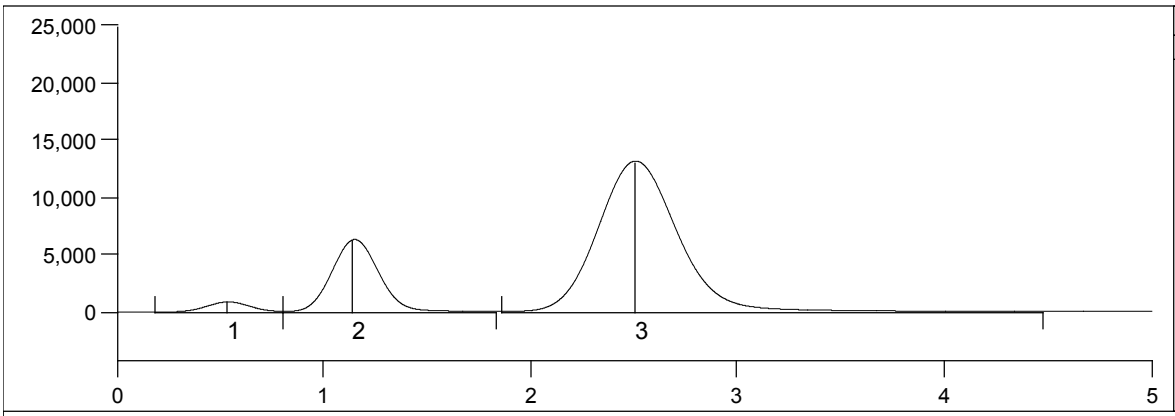


Date: 7/18/12
Time: 7:16 PM

Peak	rt	Height
1	0.52	753
2	1.14	1,419
3	2.50	704

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
46	A	S	1226024-12		2	1,419	5.52	0.00		< HS	accept

Notes

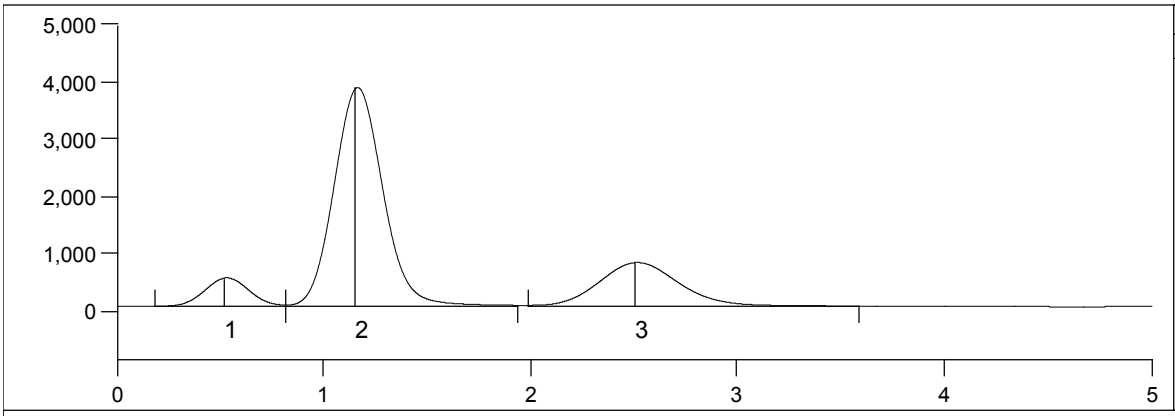


Date: 7/18/12
Time: 7:22 PM

Peak	rt	Height
1	0.53	850
2	1.14	6,304
3	2.50	13,180

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
47	B	S	1226024-13		2	6,304	24.8	0.00		< HS	accept

Notes



Date: 7/18/12
Time: 7:29 PM

Peak	rt	Height
1	0.52	485
2	1.16	3,813
3	2.51	756

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
48	C	S	1226024-14		2	3,813	15.0	0.00		< HS	accept

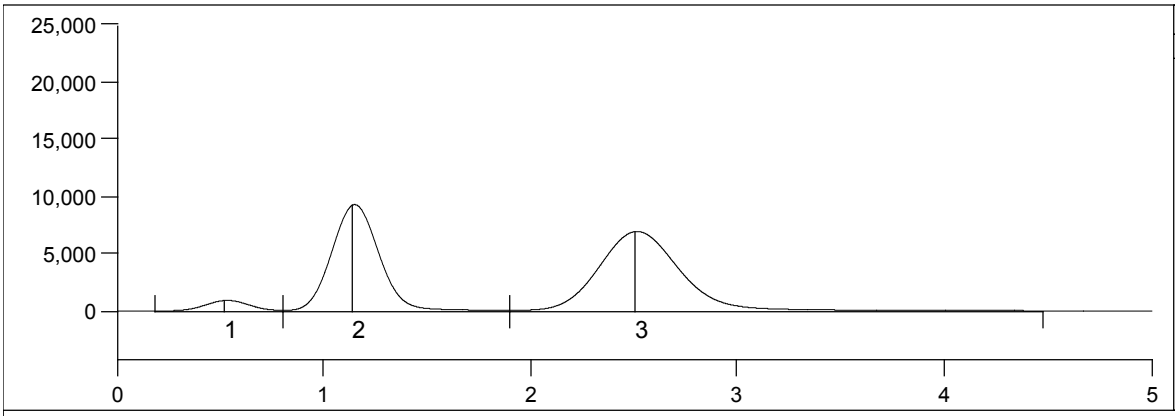
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

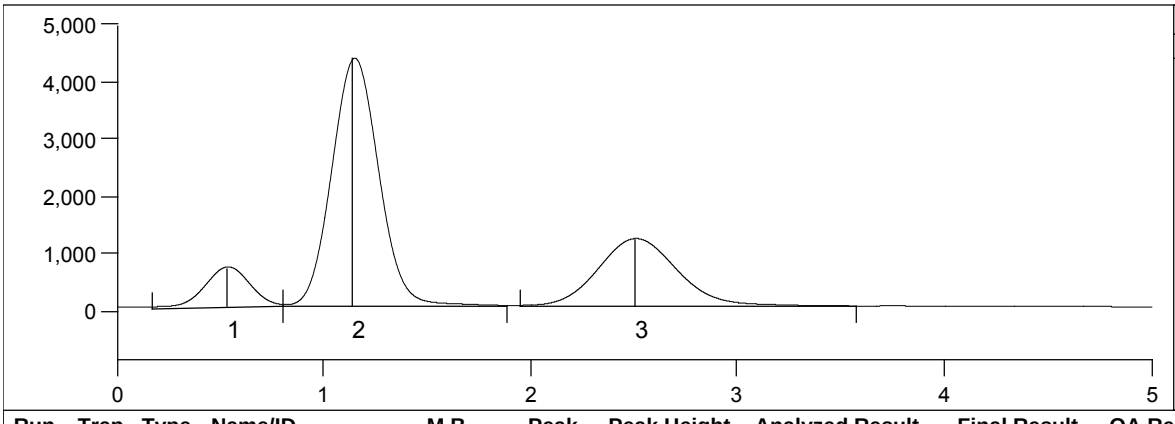


Date: 7/18/12
Time: 7:36 PM

Peak	rt	Height
1	0.53	896
2	1.14	9,268
3	2.51	6,921

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
49	A	S	1226024-15		2	9,268	36.5	0.00		< HS	accept

Notes

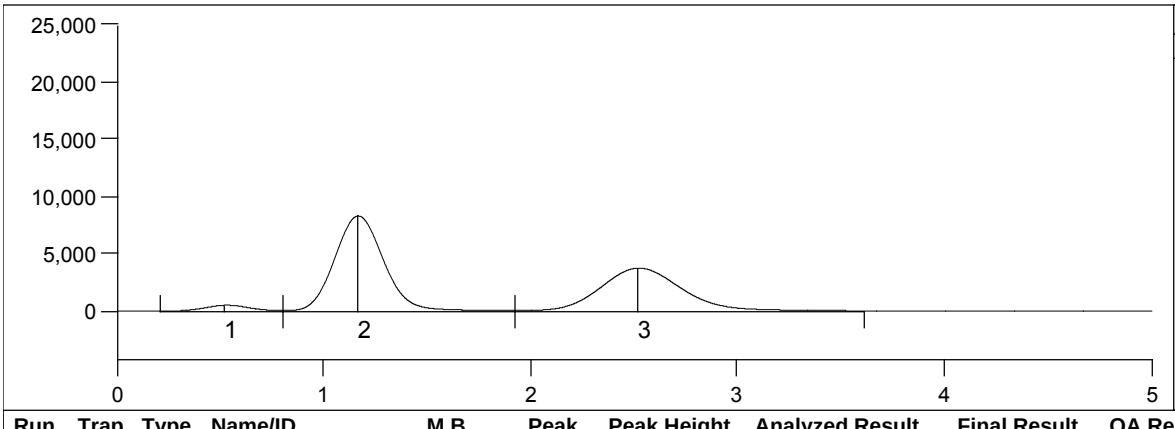


Date: 7/18/12
Time: 7:42 PM

Peak	rt	Height
1	0.53	678
2	1.14	4,323
3	2.50	1,176

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
50	B	S	1226024-16		2	4,323	17.0	0.00		< HS	accept

Notes



Date: 7/18/12
Time: 7:49 PM

Peak	rt	Height
1	0.52	489
2	1.16	8,297
3	2.52	3,727

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
51	C	S	1226024-17		2	8,297	32.6	0.00		< HS	accept

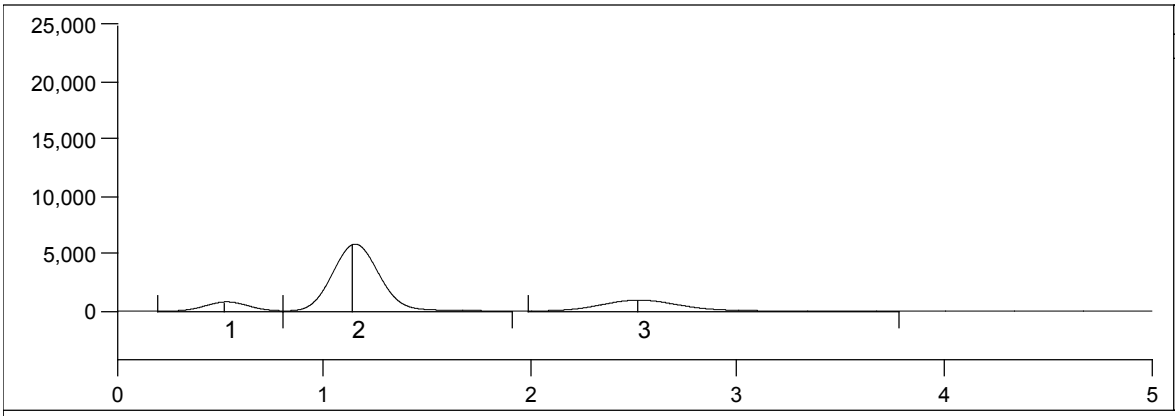
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

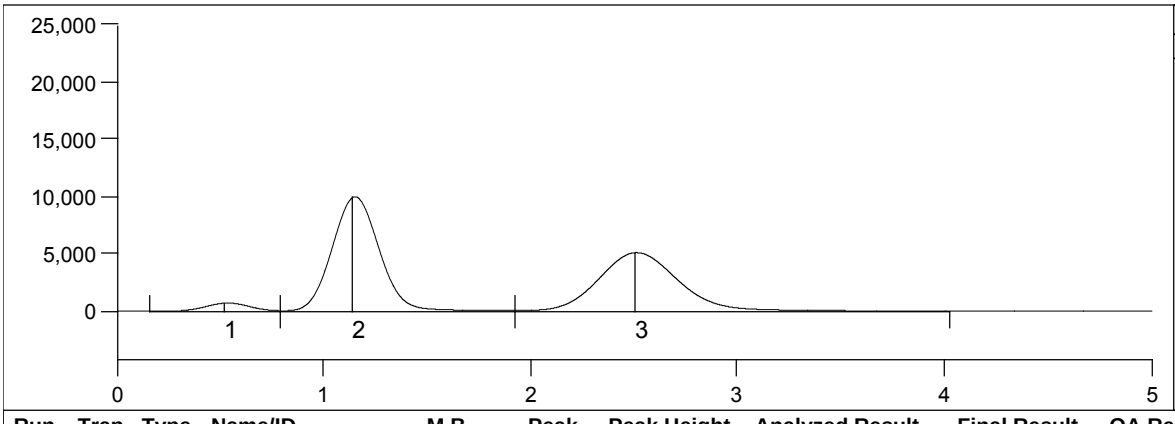


Date: 7/18/12
Time: 7:56 PM

Peak	rt	Height
1	0.52	789
2	1.14	5,844
3	2.52	947

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
52	A	S	1226024-18		2	5,844	23.0	0.00		< HS	accept

Notes

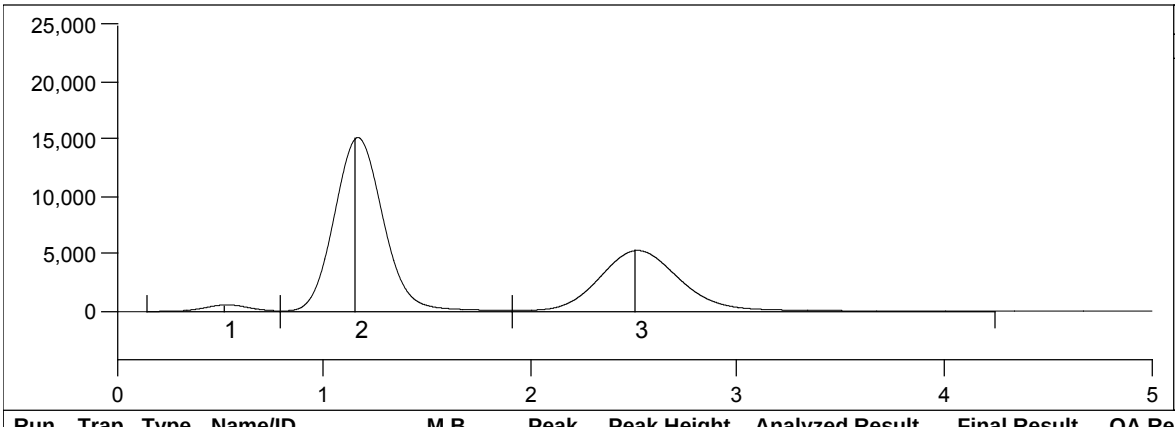


Date: 7/18/12
Time: 8:02 PM

Peak	rt	Height
1	0.53	700
2	1.14	9,982
3	2.50	5,087

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
53	B	S	1226024-19		2	9,982	39.3	0.00		< HS	accept

Notes



Date: 7/18/12
Time: 8:09 PM

Peak	rt	Height
1	0.52	540
2	1.16	15,170
3	2.51	5,270

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
54	C	S	B121166-MS2		2	15,170	59.8	0.00		< HS	accept

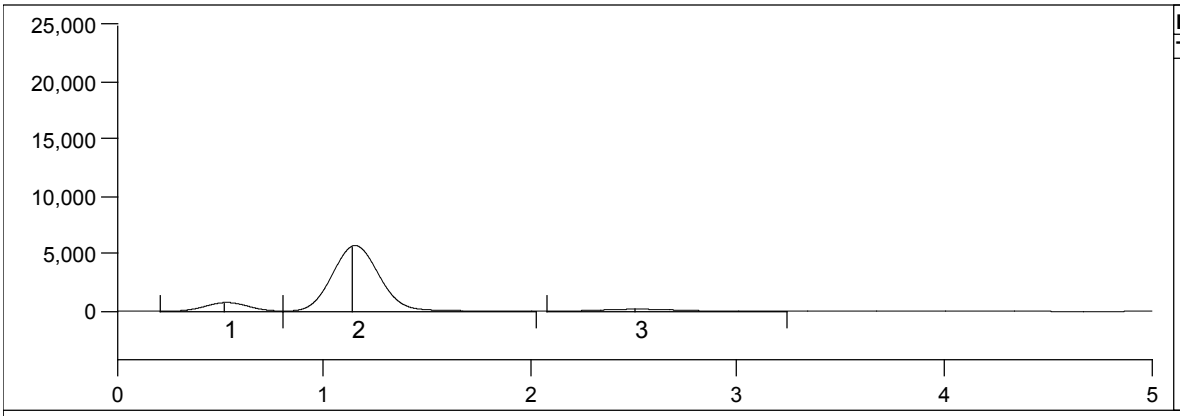
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

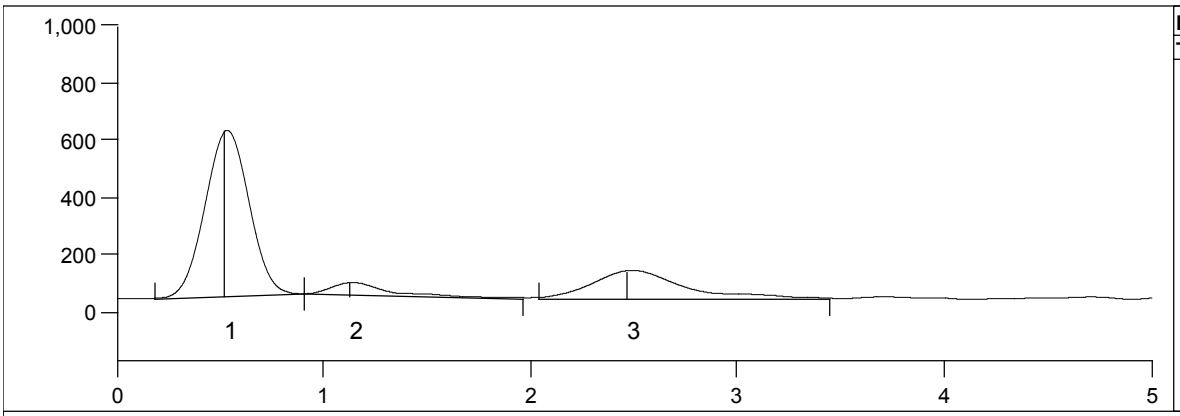
Date Analyzed: 7/18/12
Analyst Name: BJT



Date: 7/18/12
Time: 8:16 PM

Peak	rt	Height
1	0.52	749
2	1.14	5,735
3	2.50	163

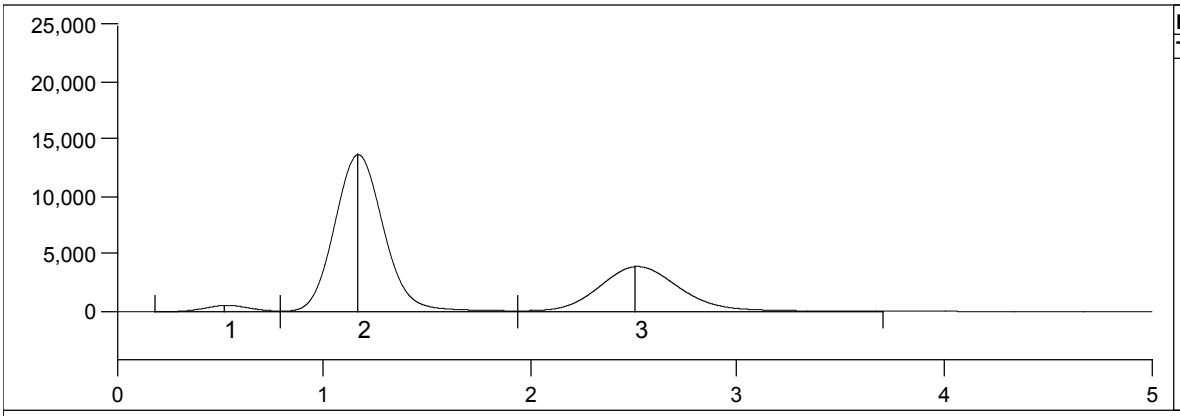
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
55	A	CCV	SEQ-CCV		2	5,735	22.5		90.2	67-133	accept
Notes											



Date: 7/18/12
Time: 8:22 PM

Peak	rt	Height
1	0.53	581
2	1.13	43
3	2.47	95

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
56	B	CCB	SEQ-CCB		2	43	0.170		0.170	< 1.4	accept
Notes											



Date: 7/18/12
Time: 8:29 PM

Peak	rt	Height
1	0.53	514
2	1.16	13,698
3	2.51	3,885

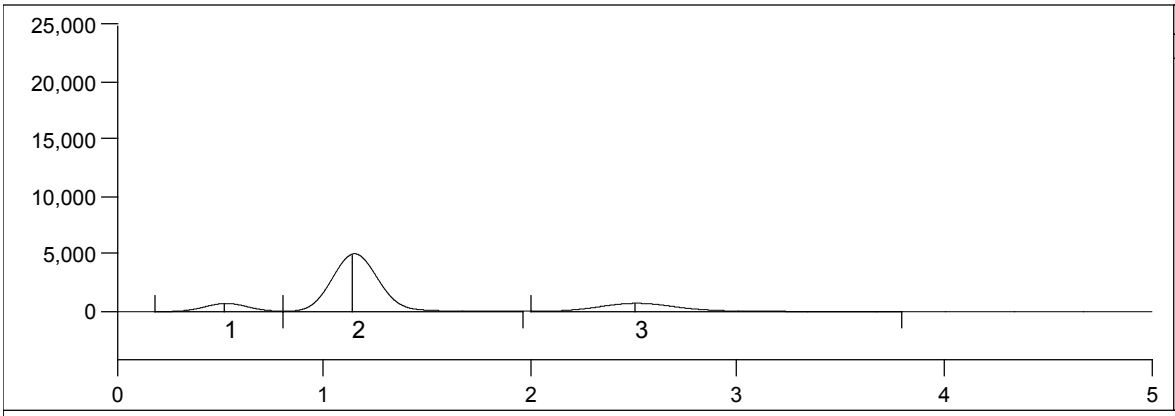
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
57	C	S	B121166-MSD2		2	13,698	54.0	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

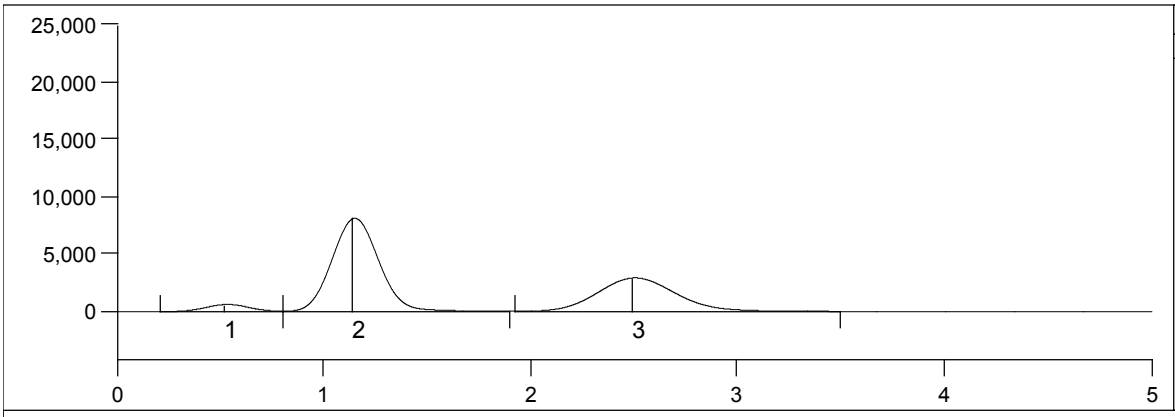


Date: 7/18/12
Time: 8:36 PM

Peak	rt	Height
1	0.52	689
2	1.14	5,027
3	2.50	712

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
58	A	S	1226024-20		2	5,027	19.7	0.00		< HS	accept

Notes

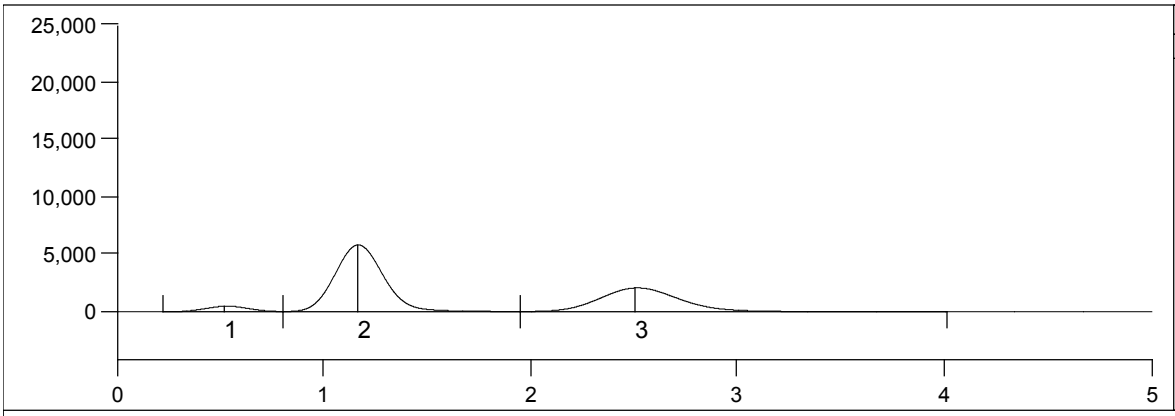


Date: 7/18/12
Time: 8:42 PM

Peak	rt	Height
1	0.53	606
2	1.14	8,143
3	2.50	2,923

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
59	B	S	1226024-21		2	8,143	32.0	0.00		< HS	accept

Notes



Date: 7/18/12
Time: 8:49 PM

Peak	rt	Height
1	0.52	472
2	1.16	5,829
3	2.51	2,071

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
60	C	S	1226024-22		2	5,829	22.9	0.00		< HS	accept

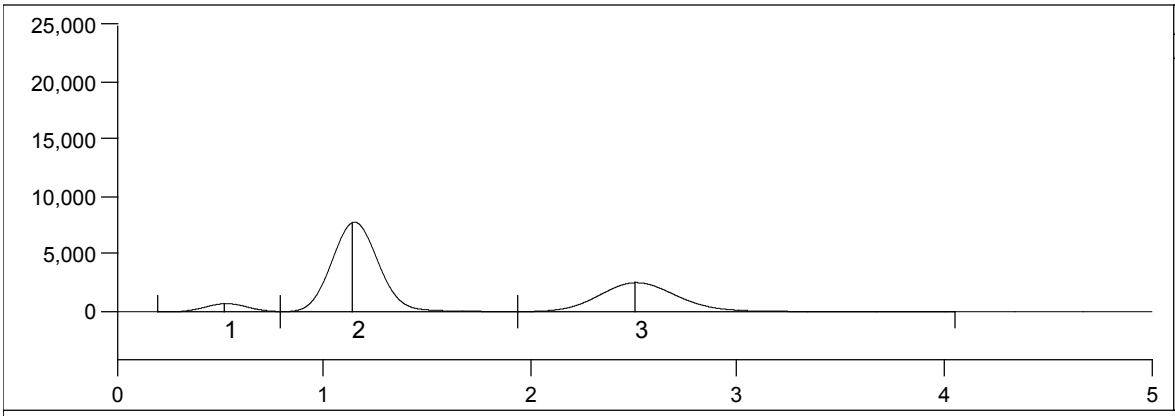
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

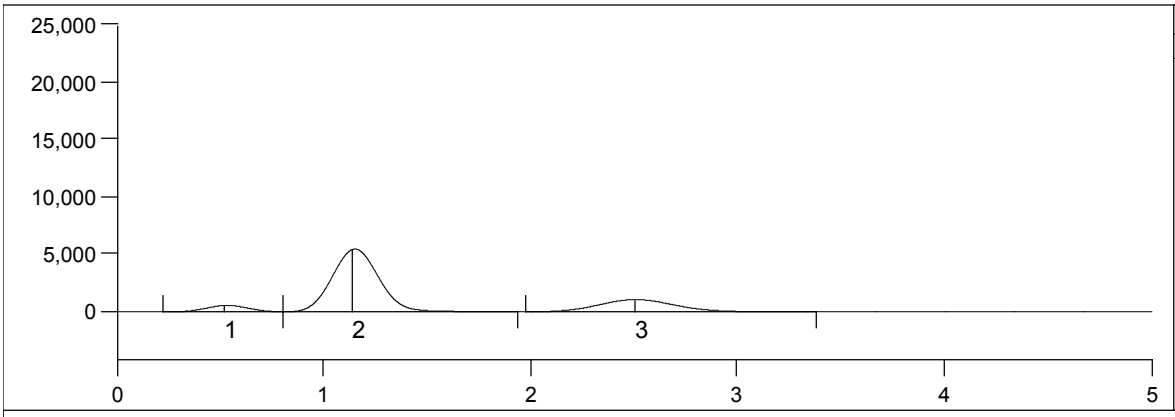


Date: 7/18/12
Time: 8:56 PM

Peak	rt	Height
1	0.52	709
2	1.14	7,831
3	2.50	2,537

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
61	A	S	1226024-23		2	7,831	30.8	0.00		< HS	accept

Notes

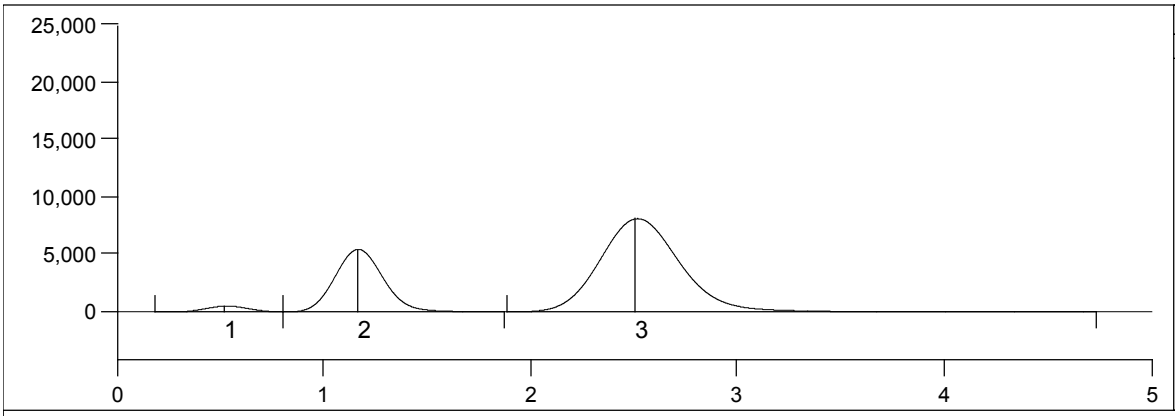


Date: 7/18/12
Time: 9:02 PM

Peak	rt	Height
1	0.53	558
2	1.14	5,487
3	2.50	1,071

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
62	B	S	1226024-24		2	5,487	21.6	0.00		< HS	accept

Notes



Date: 7/18/12
Time: 9:09 PM

Peak	rt	Height
1	0.52	523
2	1.16	5,475
3	2.51	8,168

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
63	C	S	1226024-25		2	5,475	21.5	0.00		< HS	accept

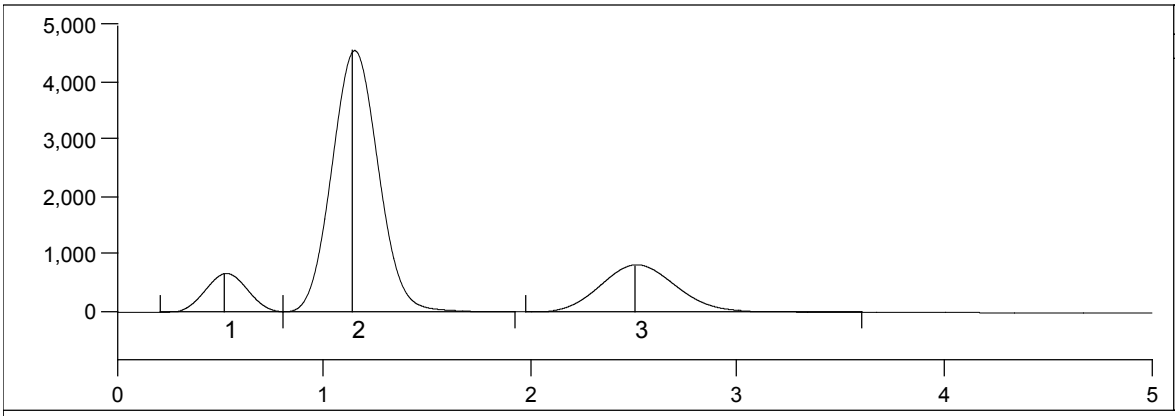
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

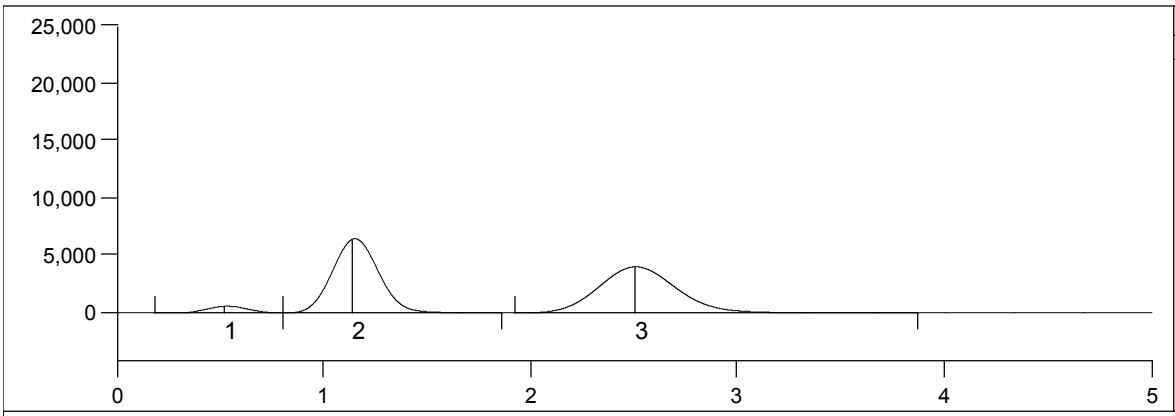


Date: 7/18/12
Time: 9:16 PM

Peak	rt	Height
1	0.52	680
2	1.14	4,581
3	2.50	839

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
64	A	S	1226024-26		2	4,581	18.0	0.00		< HS	accept

Notes

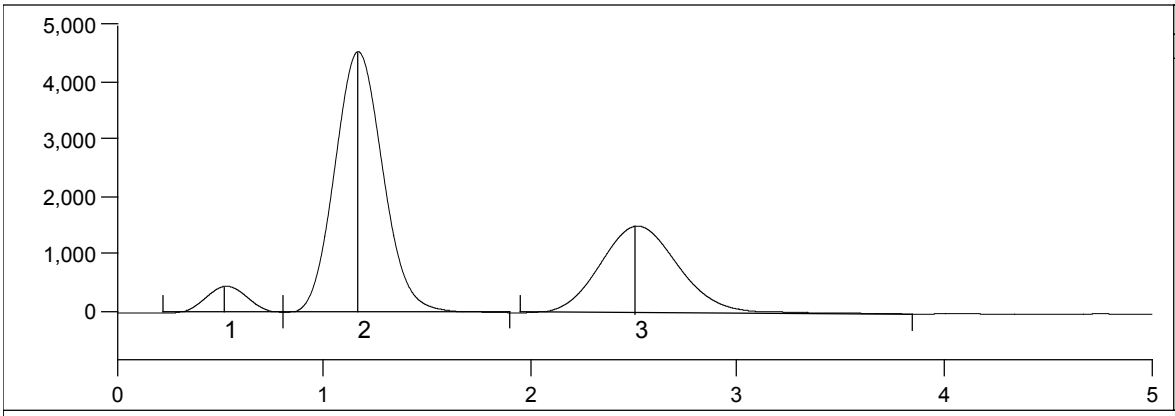


Date: 7/18/12
Time: 9:22 PM

Peak	rt	Height
1	0.53	607
2	1.14	6,505
3	2.50	4,053

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
65	B	S	1226024-27		2	6,505	25.6	0.00		< HS	accept

Notes



Date: 7/18/12
Time: 9:29 PM

Peak	rt	Height
1	0.52	476
2	1.16	4,582
3	2.51	1,538

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
66	C	S	1226024-28		2	4,582	18.0	0.00		< HS	accept

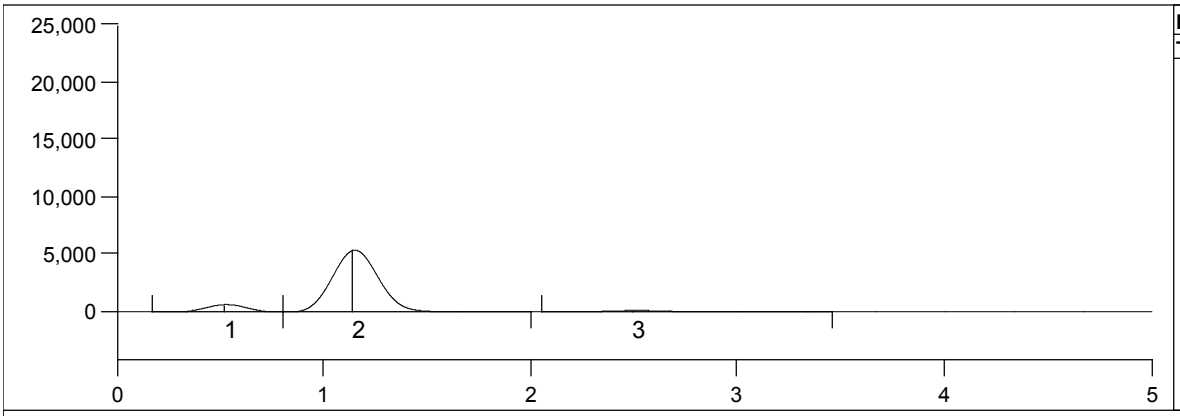
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

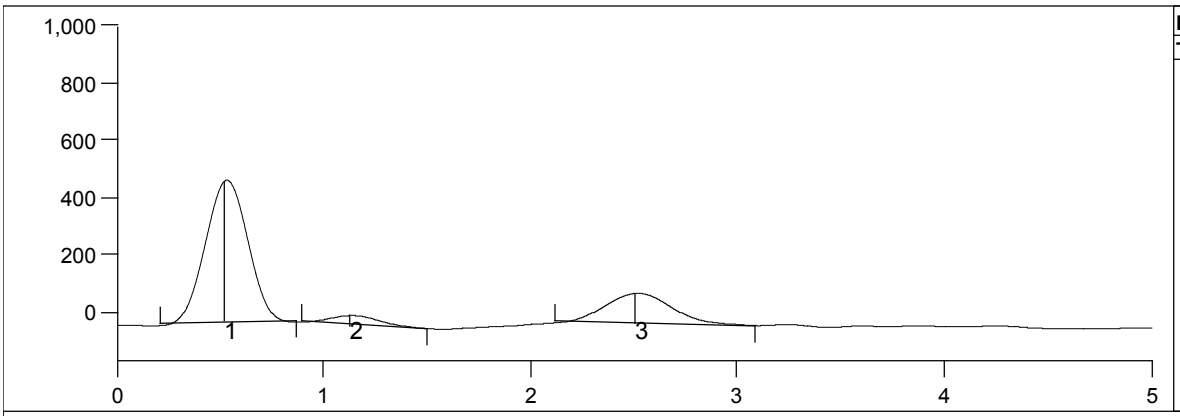
Date Analyzed: 7/18/12
Analyst Name: BJT



Date:	7/18/12
Time:	9:36 PM

Peak	rt	Height
1	0.52	683
2	1.14	5,440
3	2.50	162

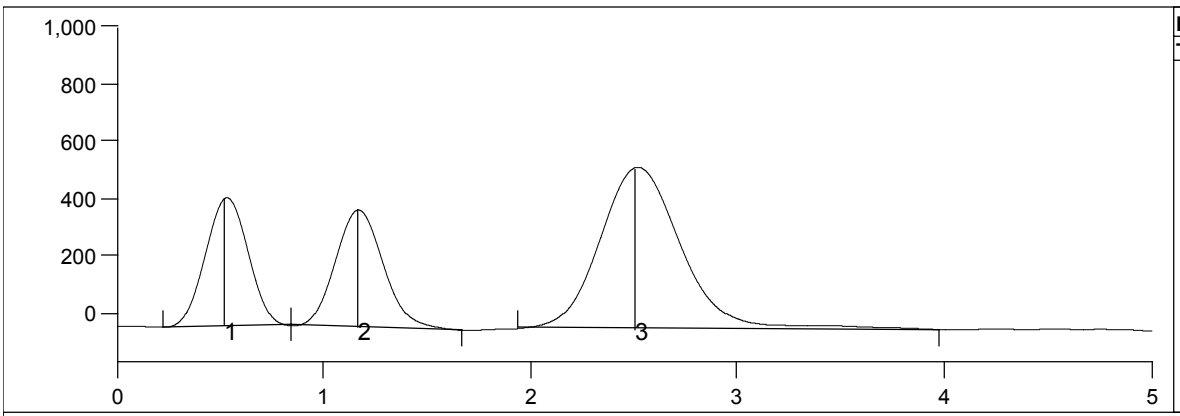
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
67	A	CCV	SEQ-CCV		2	5,440	21.4		85.5	67-133	accept
Notes											



Date:	7/18/12
Time:	9:42 PM

Peak	rt	Height
1	0.52	506
2	1.12	31
3	2.51	110

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
68	B	CCB	SEQ-CCB		2	31	0.122		0.122	< 1.4	accept
Notes											



Date:	7/18/12
Time:	9:49 PM

Peak	rt	Height
1	0.52	454
2	1.16	415
3	2.51	568

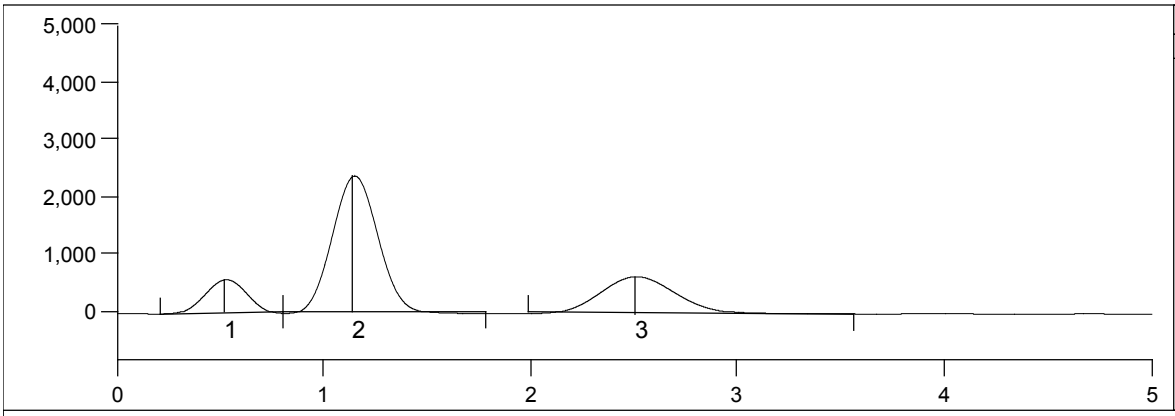
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
69	C	S	1227027-01		2	415	1.56	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

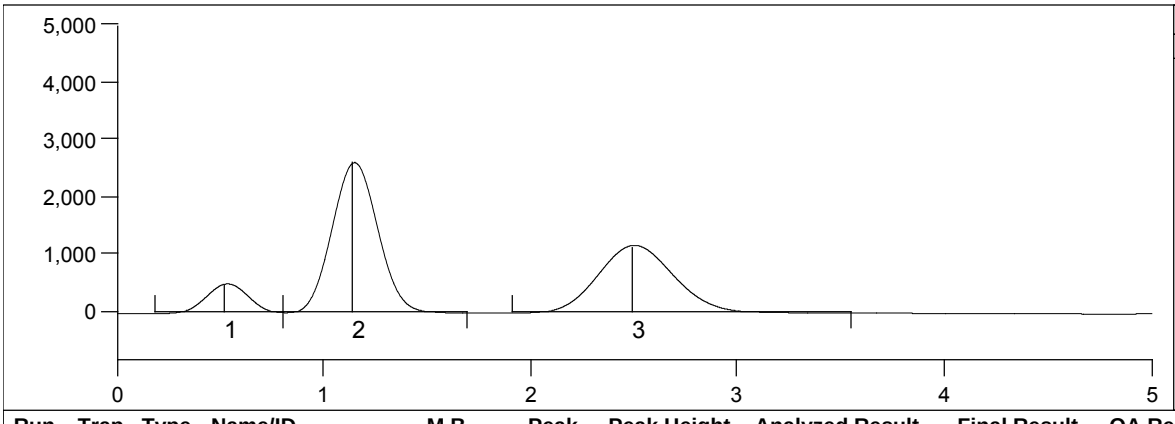


Date: 7/18/12
Time: 9:56 PM

Peak	rt	Height
1	0.52	609
2	1.14	2,424
3	2.50	661

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
70	A	S	B121166-MS3		2	2,424	9.48	0.00		< HS	accept

Notes

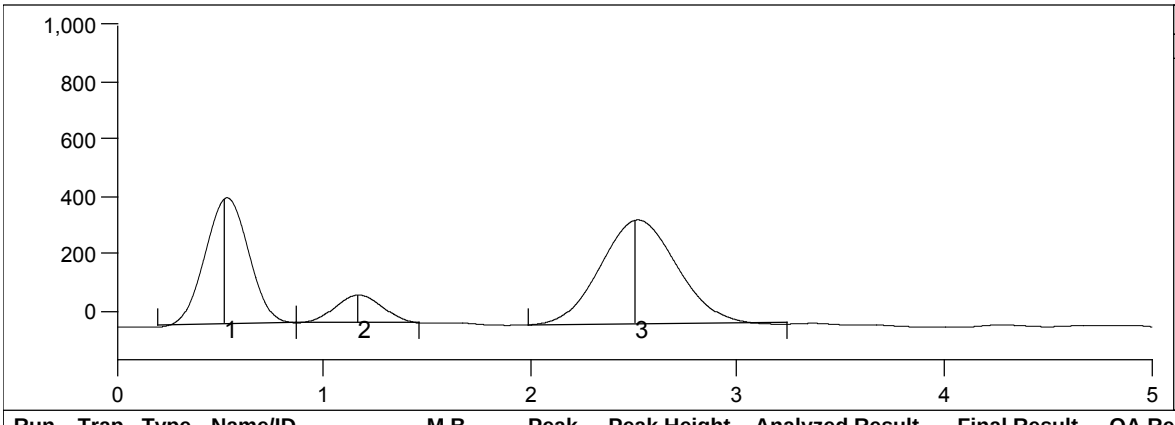


Date: 7/18/12
Time: 10:02 PM

Peak	rt	Height
1	0.53	525
2	1.14	2,645
3	2.50	1,199

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
71	B	S	B121166-MSD3		2	2,645	10.4	0.00		< HS	accept

Notes



Date: 7/18/12
Time: 10:09 PM

Peak	rt	Height
1	0.52	448
2	1.16	100
3	2.51	370

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
72	C	S	1227027-03		2	100	0.313	0.00		< HS	accept

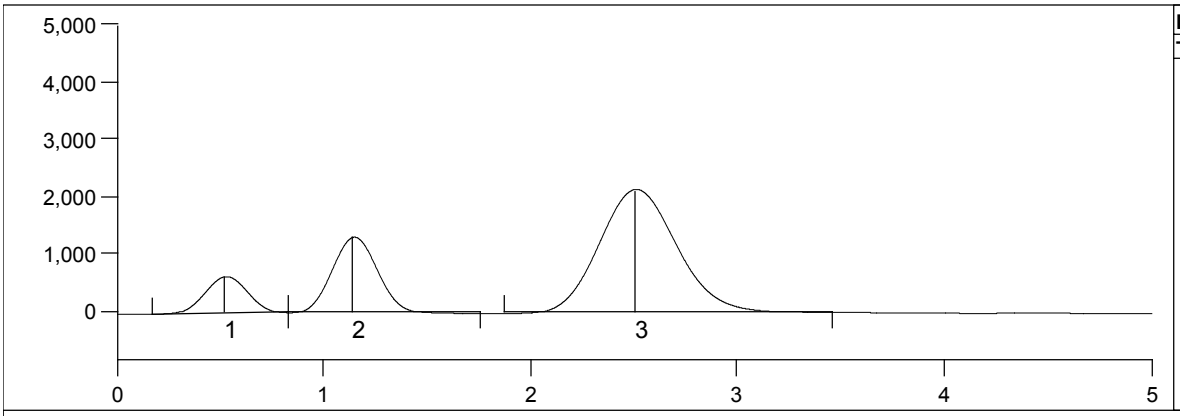
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

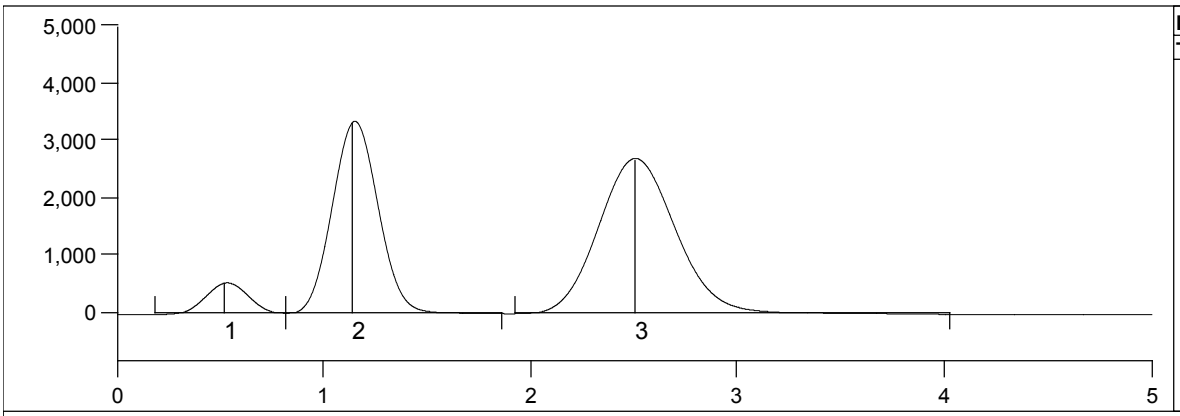


Date: 7/18/12
Time: 10:16 PM

Peak	rt	Height
1	0.52	656
2	1.14	1,341
3	2.50	2,183

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
73	A	S	1227028-01		2	1,341	5.21	0.00		< HS	accept

Notes

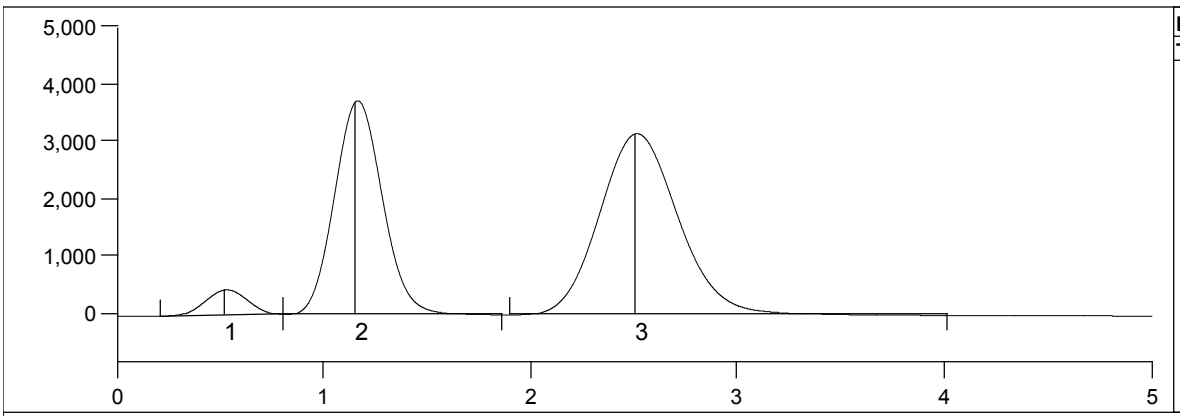


Date: 7/18/12
Time: 10:22 PM

Peak	rt	Height
1	0.53	552
2	1.14	3,376
3	2.50	2,734

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
74	B	S	B121166-MS4		2	3,376	13.2	0.00		< HS	accept

Notes



Date: 7/18/12
Time: 10:29 PM

Peak	rt	Height
1	0.52	457
2	1.16	3,758
3	2.51	3,191

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
75	C	S	B121166-MSD4		2	3,758	14.7	0.00		< HS	accept

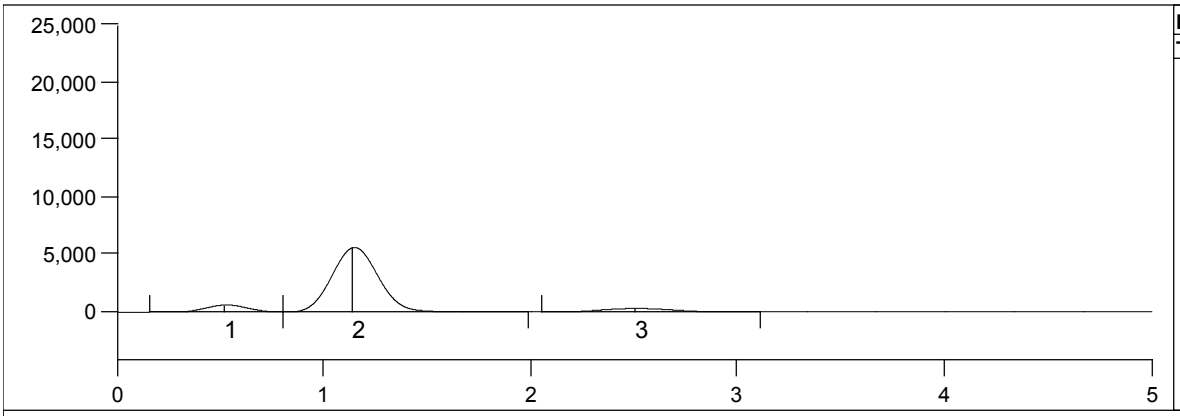
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

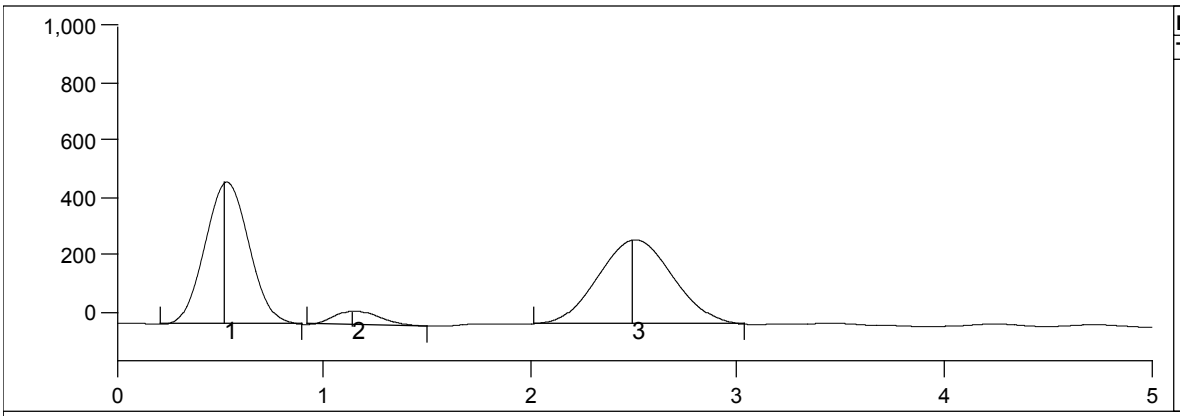


Date: 7/18/12
Time: 10:36 PM

Peak	rt	Height
1	0.52	643
2	1.14	5,670
3	2.50	334

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
76	A	CCV	SEQ-CCV		2	5,670	22.3		89.1	67-133	accept

Notes

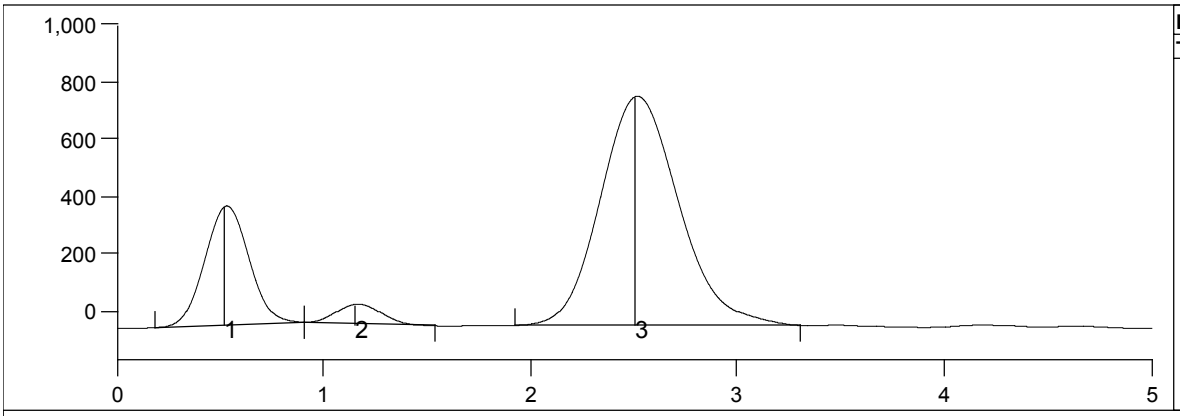


Date: 7/18/12
Time: 10:42 PM

Peak	rt	Height
1	0.52	500
2	1.14	52
3	2.50	297

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
77	B	CCB	SEQ-CCB		2	52	0.205		0.205	< 1.4	accept

Notes



Date: 7/18/12
Time: 10:49 PM

Peak	rt	Height
1	0.52	421
2	1.15	70
3	2.51	806

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
78	C	S	B121107-BLK1		2	70	0.195	0.00		< HS	accept

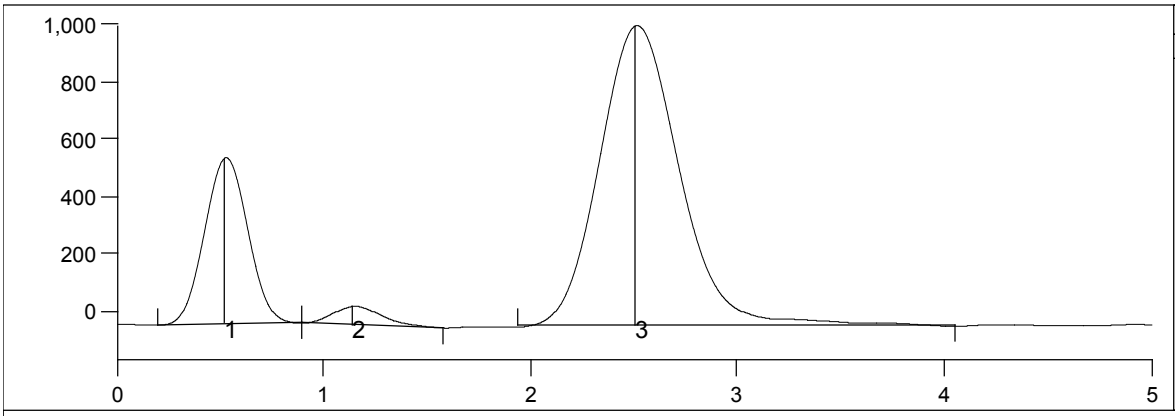
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

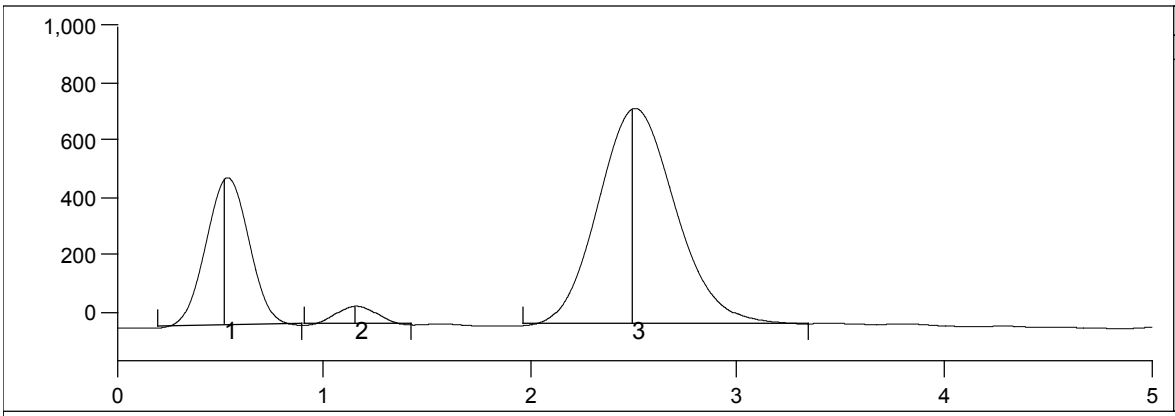


Date: 7/18/12
Time: 10:56 PM

Peak	rt	Height
1	0.52	587
2	1.14	68
3	2.51	1,059

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
79	A	S	B121107-BLK2		2	68	0.187	0.00		< HS	accept

Notes

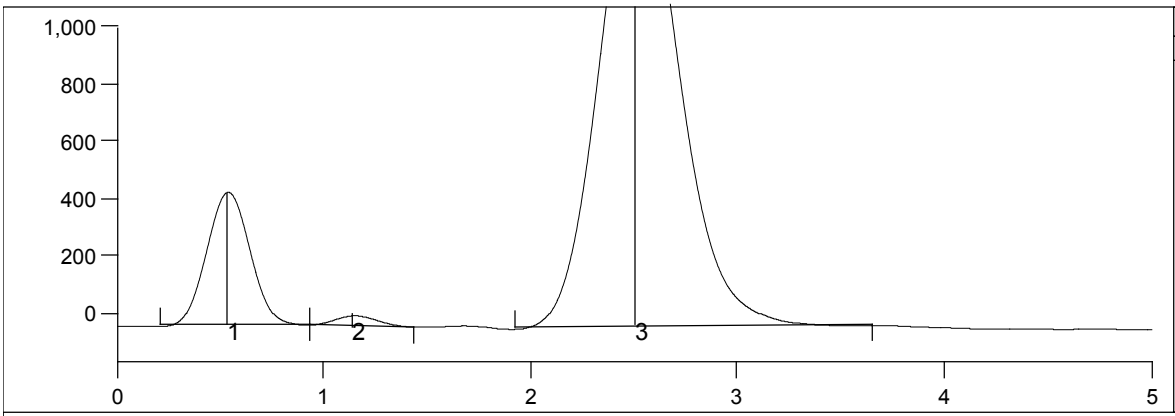


Date: 7/18/12
Time: 11:02 PM

Peak	rt	Height
1	0.53	525
2	1.15	69
3	2.50	761

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
80	B	S	B121107-BLK3		2	69	0.191	0.00		< HS	accept

Notes



Date: 7/18/12
Time: 11:09 PM

Peak	rt	Height
1	0.53	470
2	1.14	35
3	2.51	1,693

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
81	C	S	B121107-BLK4		2	35	0.0565	0.00		< HS	accept

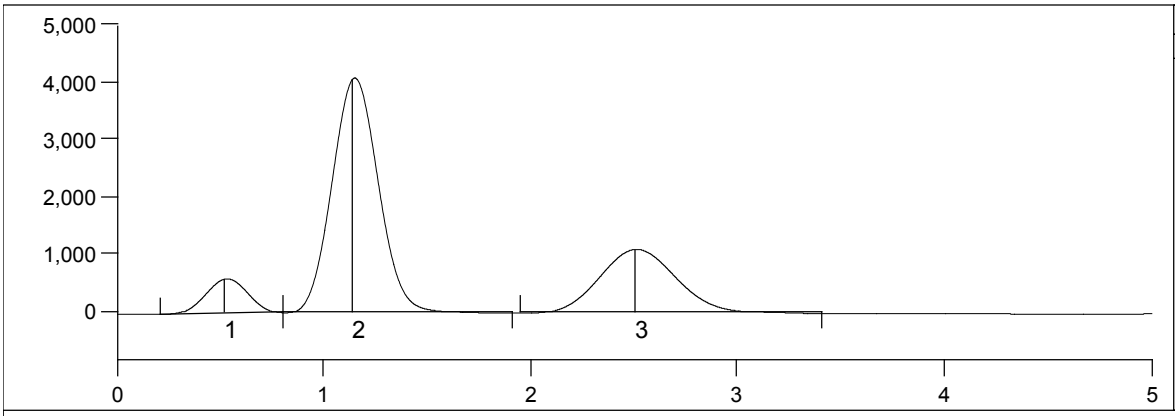
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

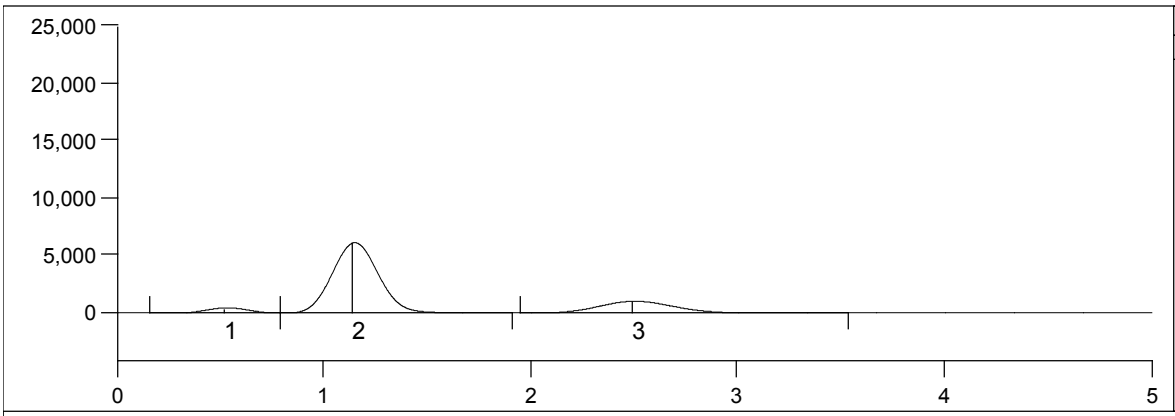


Date: 7/18/12
Time: 11:16 PM

Peak	rt	Height
1	0.53	620
2	1.14	4,129
3	2.50	1,135

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
82	A	S	B121107-BS1		2	4,129	16.2	0.00		< HS	accept

Notes

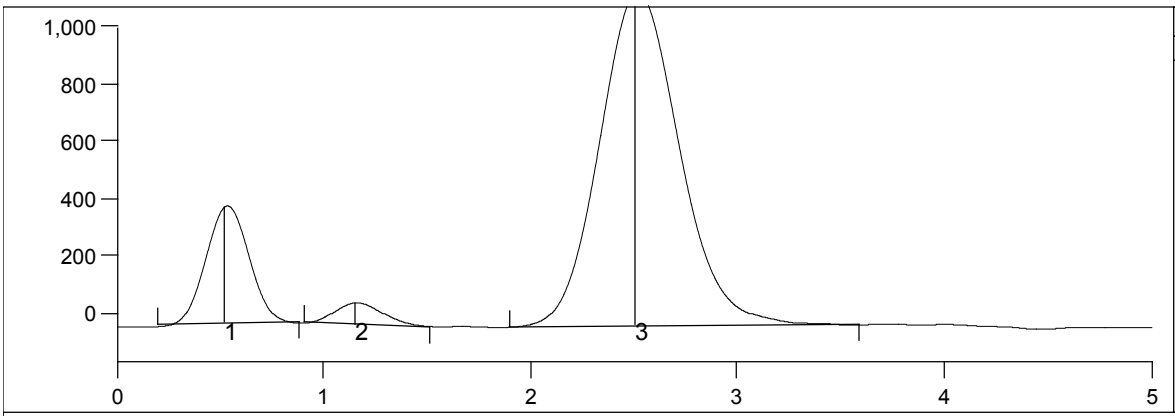


Date: 7/18/12
Time: 11:22 PM

Peak	rt	Height
1	0.53	489
2	1.14	6,174
3	2.50	1,050

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
83	B	S	B121107-BS2		2	6,174	24.3	0.00		< HS	accept

Notes



Date: 7/18/12
Time: 11:29 PM

Peak	rt	Height
1	0.53	420
2	1.15	78
3	2.51	1,177

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
84	C	S	1225015-13		2	78	0.226	0.00		< HS	accept

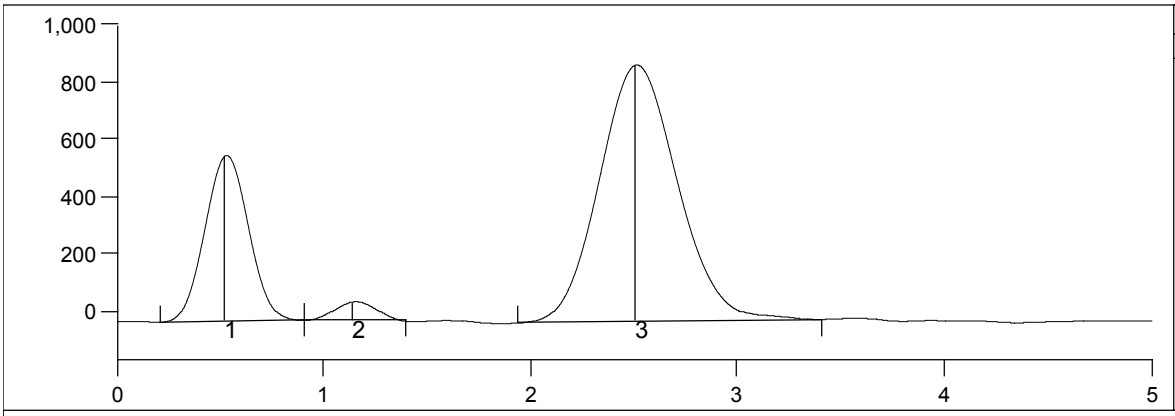
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

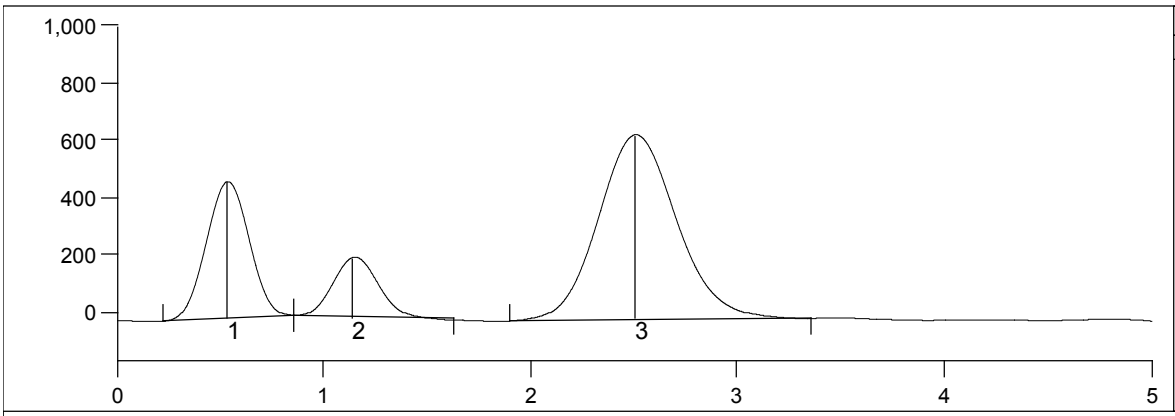


Date: 7/18/12
Time: 11:36 PM

Peak	rt	Height
1	0.52	584
2	1.15	70
3	2.51	903

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
85	A	S	1226028-73		2	70	0.195	0.00		< HS	accept

Notes

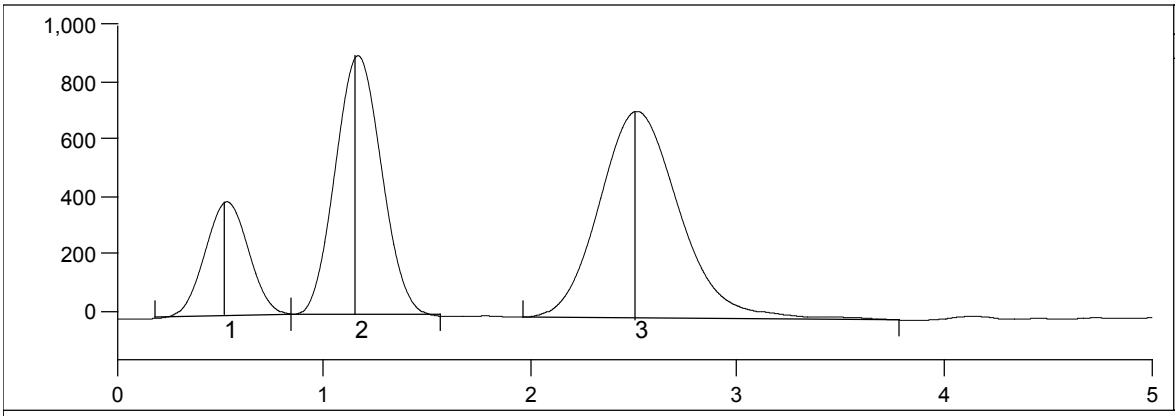


Date: 7/18/12
Time: 11:42 PM

Peak	rt	Height
1	0.53	482
2	1.14	213
3	2.50	652

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
86	B	S	1227012-07		2	213	0.759	0.00		< HS	accept

Notes



Date: 7/18/12
Time: 11:49 PM

Peak	rt	Height
1	0.52	404
2	1.16	913
3	2.51	727

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
87	C	S	1225015-01		2	913	3.52	0.00		< HS	accept

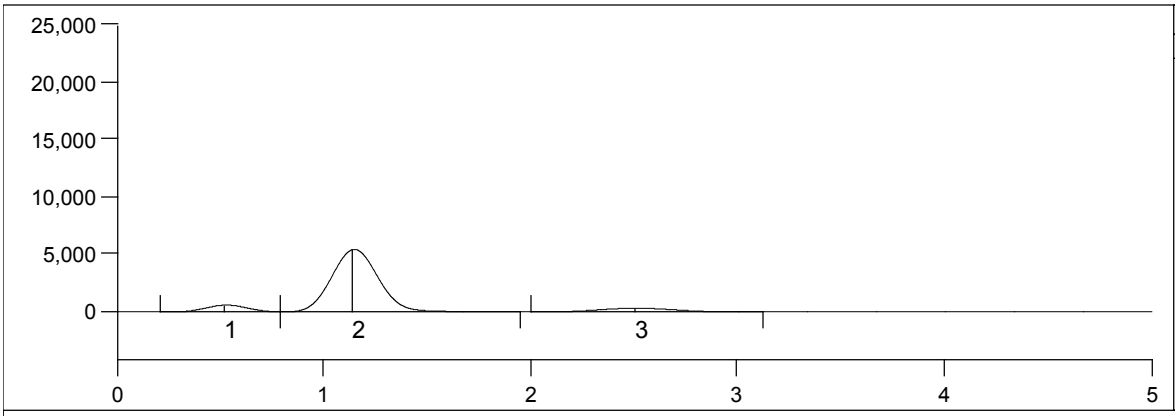
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

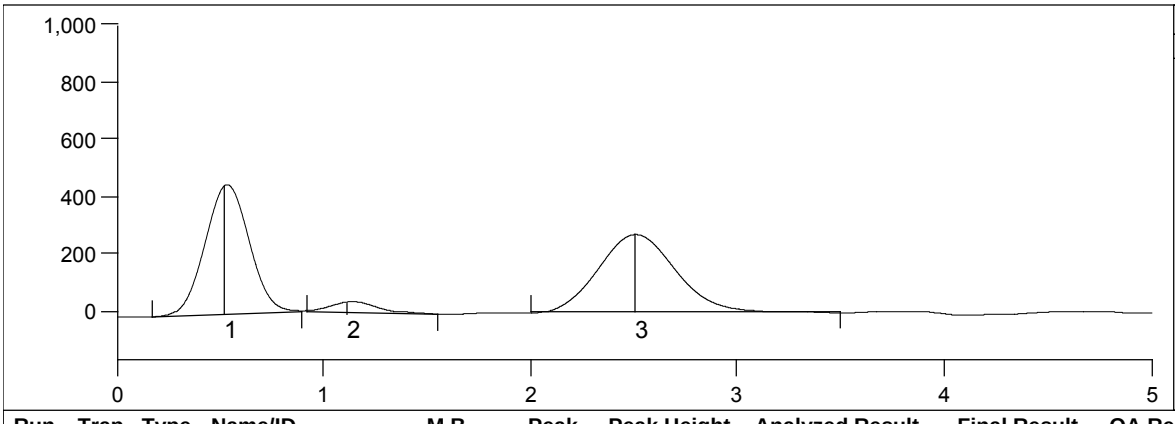
Date Analyzed: 7/18/12
Analyst Name: BJT



Date: 7/18/12
Time: 11:56 PM

Peak	rt	Height
1	0.52	603
2	1.14	5,477
3	2.50	330

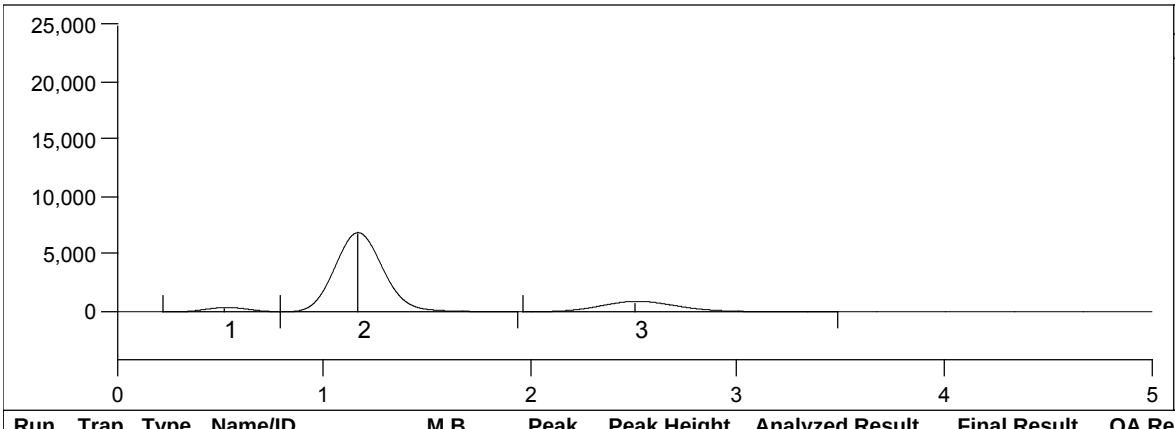
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
88	A	CCV	SEQ-CCV		2	5,477	21.5		86.1	67-133	accept
Notes											



Date: 7/19/12
Time: 12:02 AM

Peak	rt	Height
1	0.53	454
2	1.12	36
3	2.50	278

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
89	B	CCB	SEQ-CCB		2	36	0.142		0.142	< 1.4	accept
Notes											



Date: 7/19/12
Time: 12:09 AM

Peak	rt	Height
1	0.52	387
2	1.16	6,927
3	2.51	911

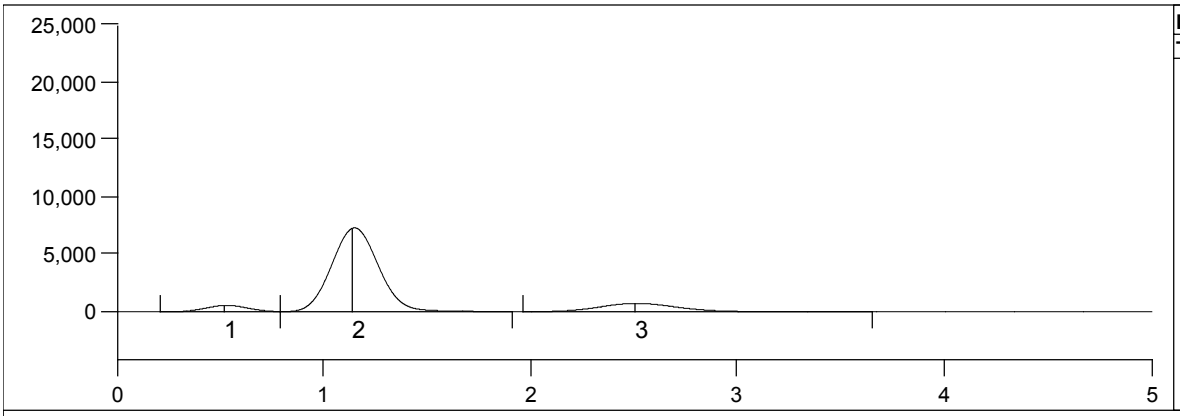
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
90	C	S	B121107-MS1		2	6,927	27.2	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

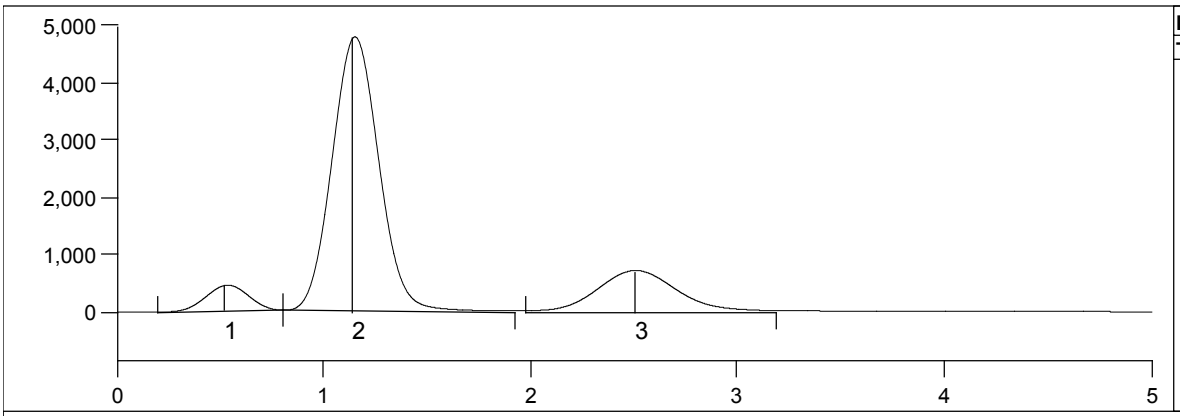


Date: 7/19/12
Time: 12:16 AM

Peak	rt	Height
1	0.52	549
2	1.14	7,338
3	2.50	730

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
91	A	S	B121107-MSD1		2	7,338	28.9	0.00		< HS	accept

Notes

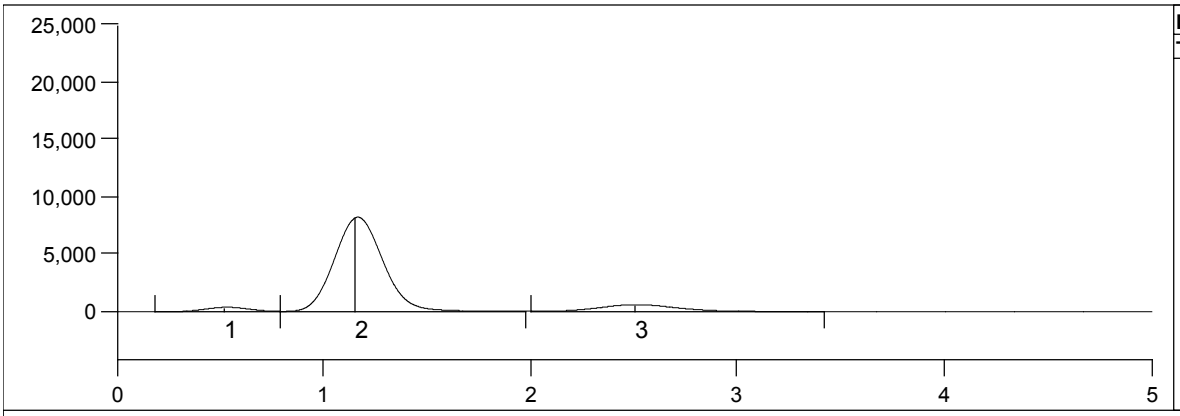


Date: 7/19/12
Time: 12:22 AM

Peak	rt	Height
1	0.53	454
2	1.14	4,793
3	2.50	705

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
92	B	S	1225015-02		2	4,793	18.8	0.00		< HS	accept

Notes



Date: 7/19/12
Time: 12:29 AM

Peak	rt	Height
1	0.52	382
2	1.16	8,253
3	2.50	588

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
93	C	S	1225015-11		2	8,253	32.5	0.00		< HS	accept

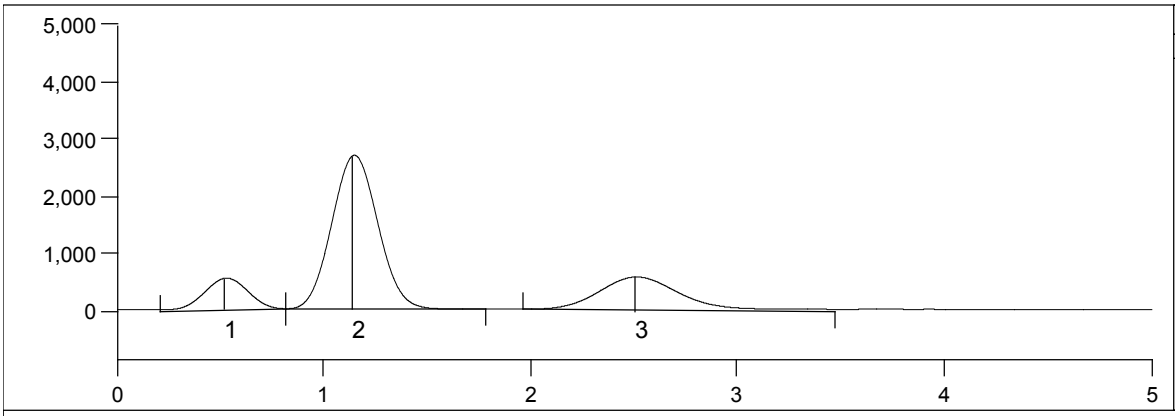
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

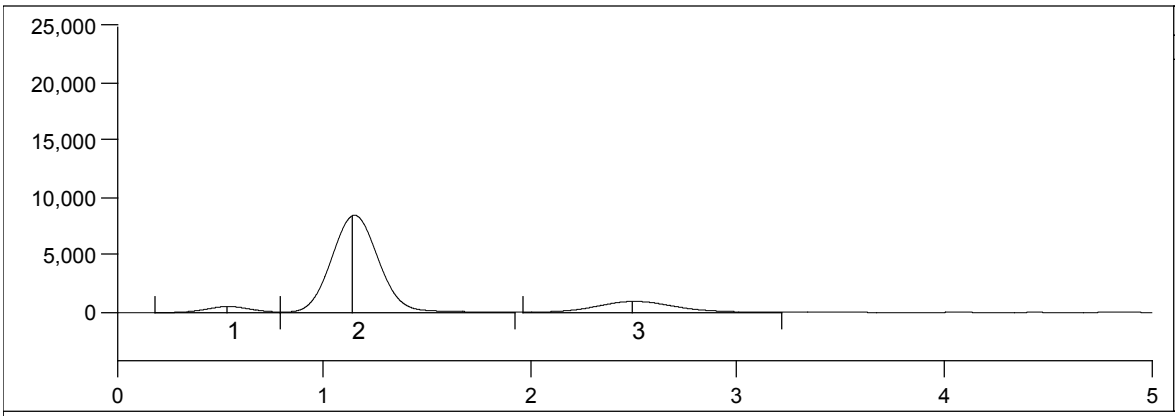


Date: 7/19/12
Time: 12:36 AM

Peak	rt	Height
1	0.52	546
2	1.14	2,694
3	2.50	567

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
94	A	S	1225015-12		2	2,694	10.5	0.00		< HS	accept

Notes

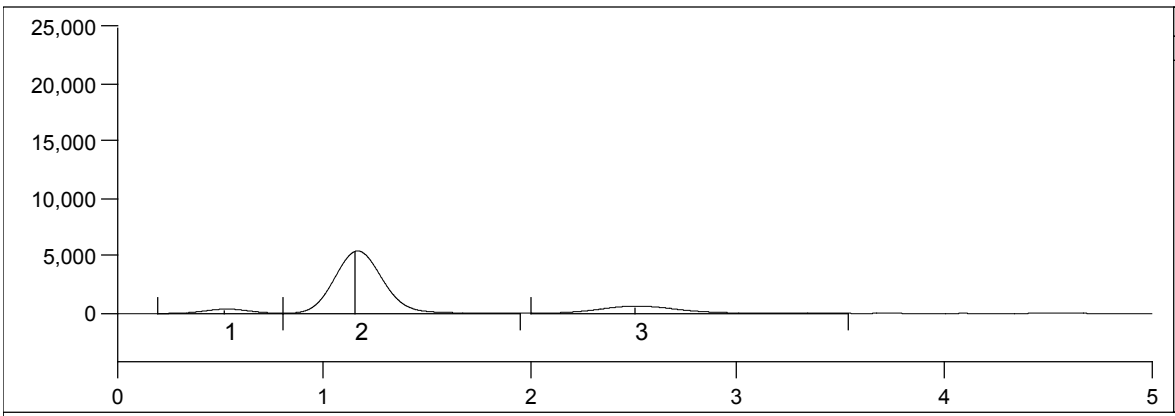


Date: 7/19/12
Time: 12:42 AM

Peak	rt	Height
1	0.53	493
2	1.14	8,483
3	2.50	938

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
95	B	S	1225015-14		2	8,483	33.4	0.00		< HS	accept

Notes



Date: 7/19/12
Time: 12:49 AM

Peak	rt	Height
1	0.52	368
2	1.16	5,442
3	2.50	622

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
96	C	S	1225015-16		2	5,442	21.4	0.00		< HS	accept

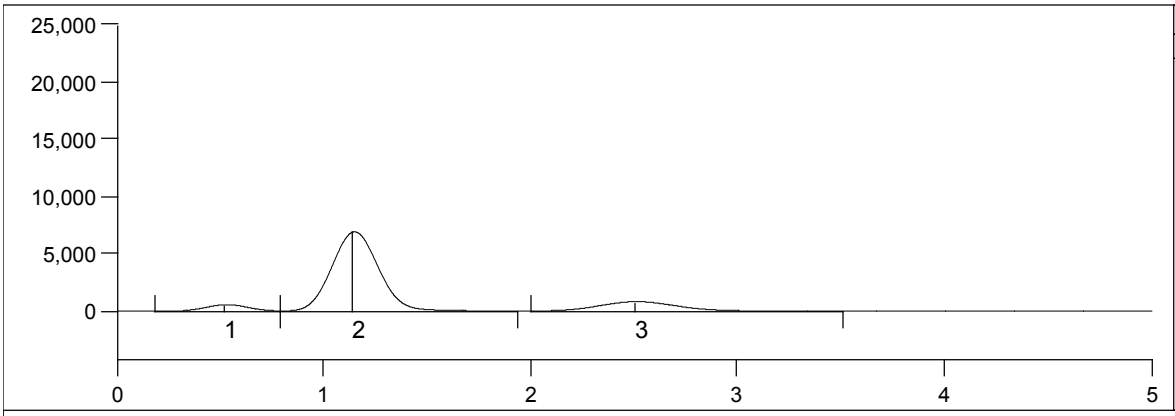
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

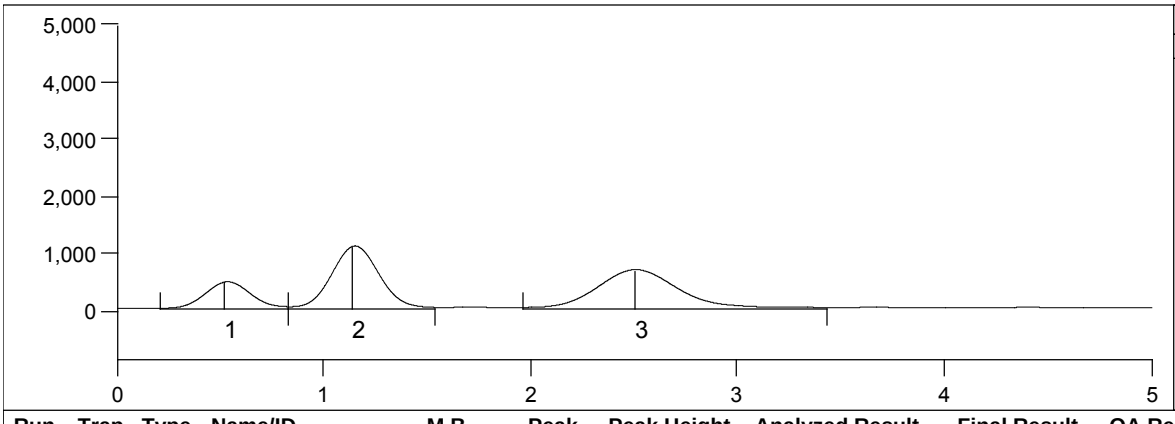


Date: 7/19/12
Time: 12:56 AM

Peak	rt	Height
1	0.52	556
2	1.14	6,929
3	2.50	812

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
97	A	S	1225015-17		2	6,929	27.3	0.00		< HS	accept

Notes

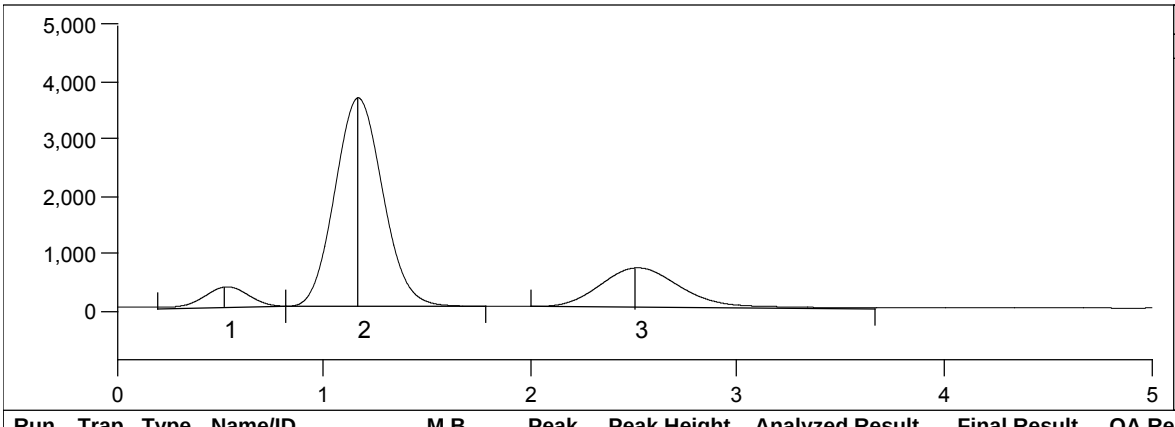


Date: 7/19/12
Time: 1:02 AM

Peak	rt	Height
1	0.53	449
2	1.14	1,069
3	2.50	662

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
98	B	S	1225015-18		2	1,069	4.14	0.00		< HS	accept

Notes



Date: 7/19/12
Time: 1:09 AM

Peak	rt	Height
1	0.53	351
2	1.16	3,653
3	2.51	686

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
99	C	S	1225015-19		2	3,653	14.3	0.00		< HS	accept

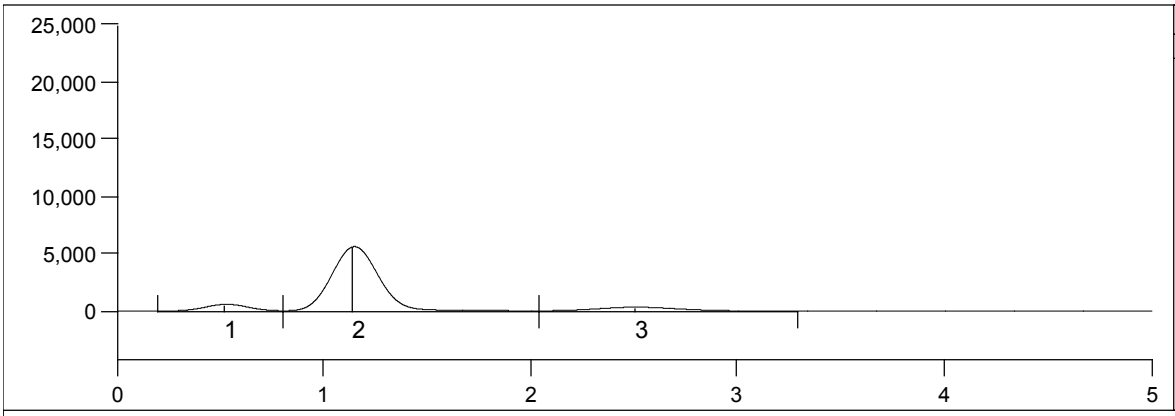
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

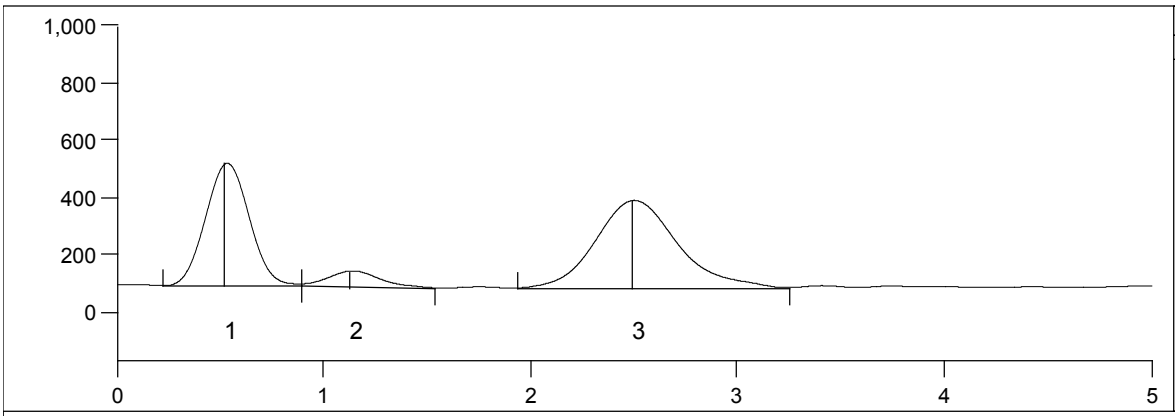
Date Analyzed: 7/18/12
Analyst Name: BJT



Date: 7/19/12
Time: 1:16 AM

Peak	rt	Height
1	0.52	571
2	1.14	5,622
3	2.50	323

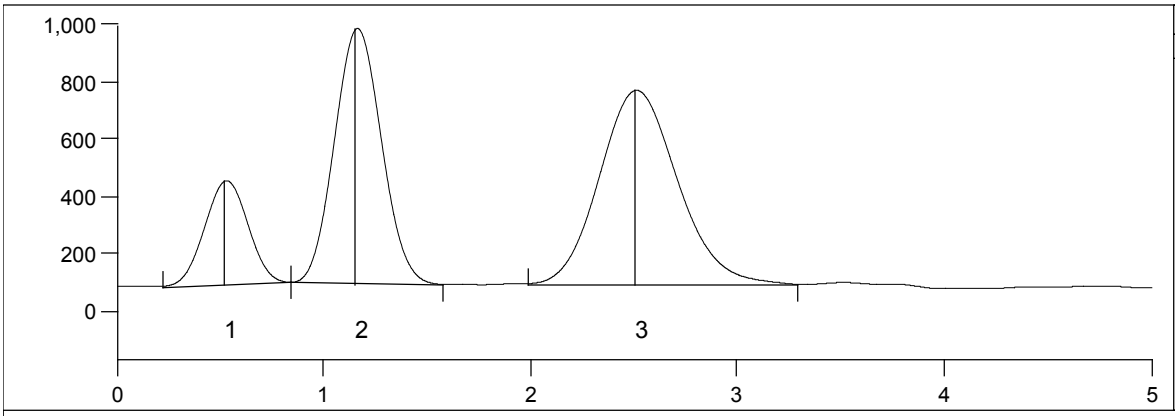
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
100	A	CCV	SEQ-CCV		2	5,622	22.1		88.4	67-133	accept
Notes											



Date: 7/19/12
Time: 1:22 AM

Peak	rt	Height
1	0.53	427
2	1.12	50
3	2.49	307

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
101	B	CCB	SEQ-CCB		2	50	0.197		0.197	< 1.4	accept
Notes											



Date: 7/19/12
Time: 1:29 AM

Peak	rt	Height
1	0.52	363
2	1.16	892
3	2.50	678

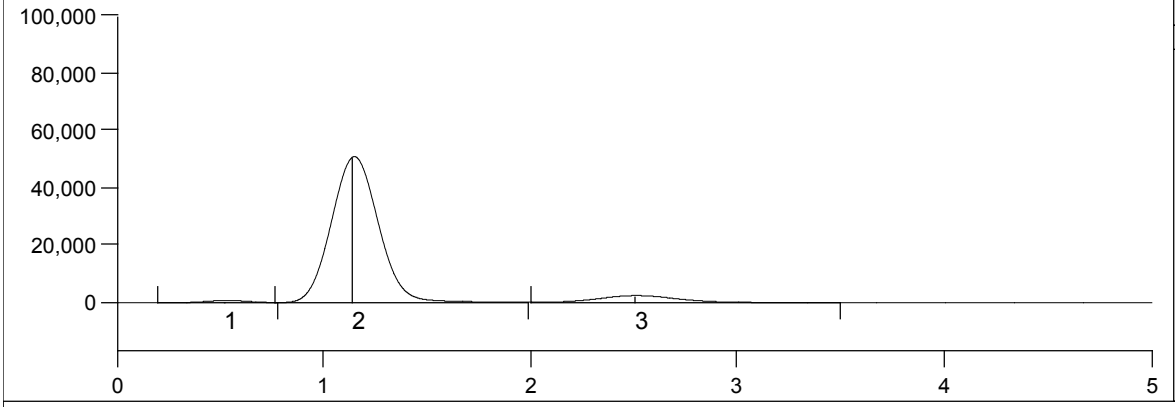
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
102	C	S	1225015-20		2	892	3.44	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

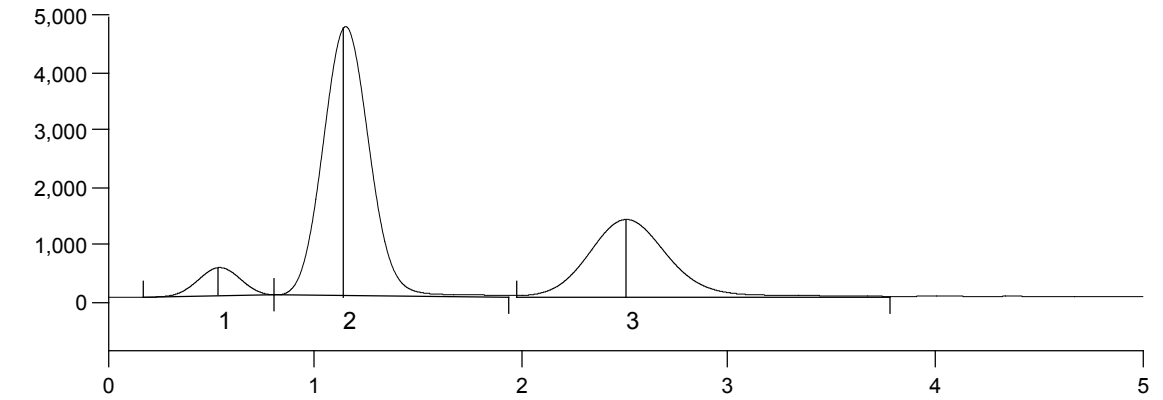


Date: 7/19/12
Time: 1:36 AM

Peak	rt	Height
1	0.53	717
2	1.14	51,108
3	2.50	2,352

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
103	A	S	1225015-21		2	51,108	202	0.00		< HS	accept

Notes

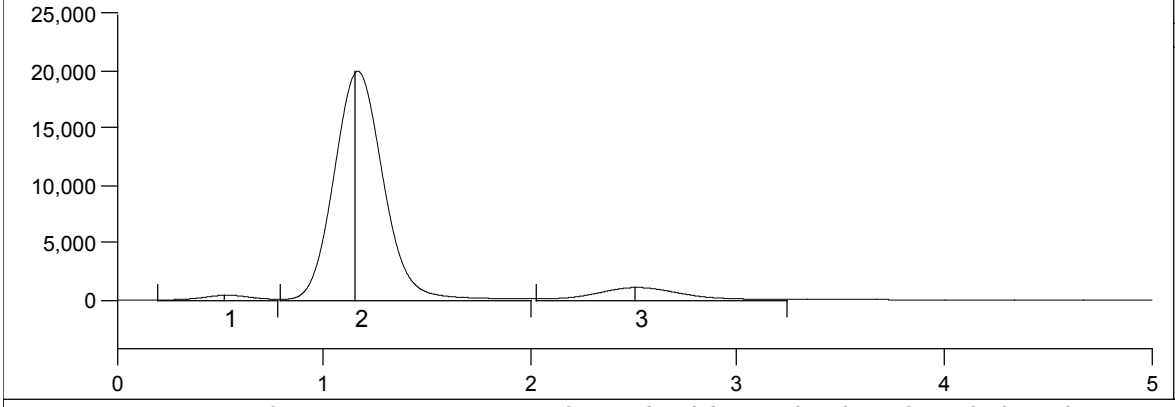


Date: 7/19/12
Time: 1:42 AM

Peak	rt	Height
1	0.53	497
2	1.14	4,705
3	2.50	1,337

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
104	B	S	1225015-22		2	4,705	18.5	0.00		< HS	accept

Notes



Date: 7/19/12
Time: 1:49 AM

Peak	rt	Height
1	0.53	381
2	1.16	19,973
3	2.51	1,016

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
105	C	S	1225015-23		2	19,973	78.7	0.00		< HS	accept

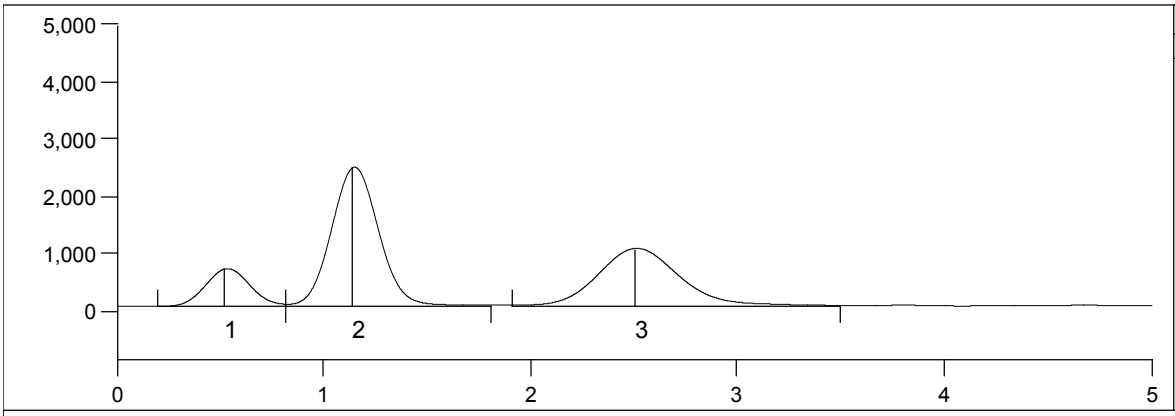
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

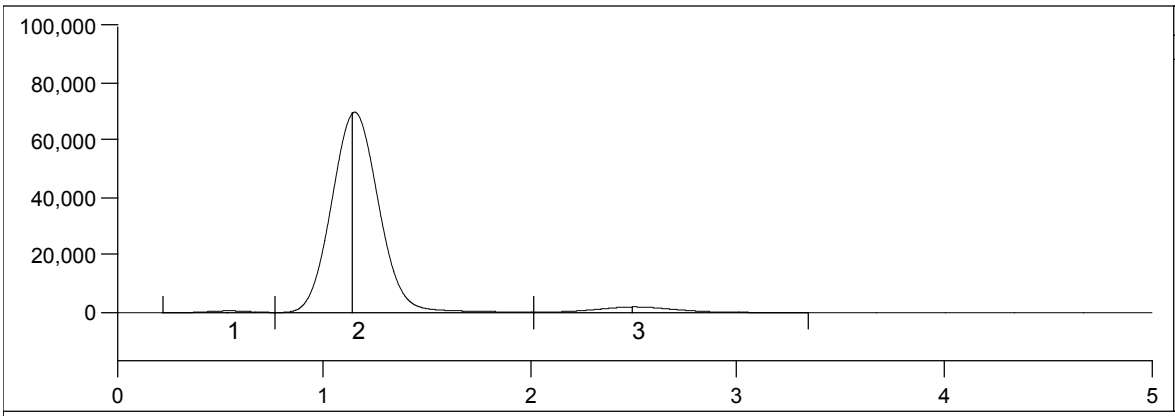


Date: 7/19/12
Time: 1:56 AM

Peak	rt	Height
1	0.53	641
2	1.14	2,407
3	2.50	999

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
106	A	S	1225015-24		2	2,407	9.41	0.00		< HS	accept

Notes

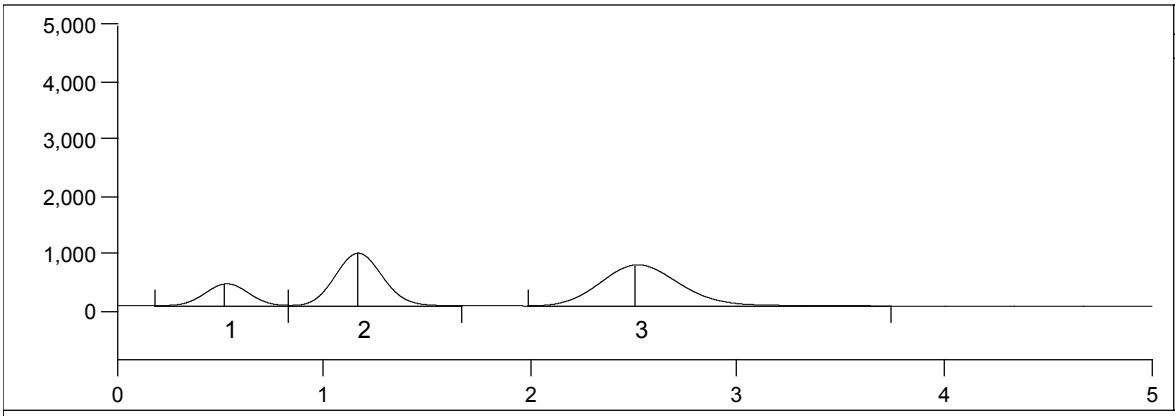


Date: 7/19/12
Time: 2:02 AM

Peak	rt	Height
1	0.54	566
2	1.14	70,129
3	2.50	1,816

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
107	B	S	1225015-25		2	70,129	277	0.00		< HS	accept

Notes



Date: 7/19/12
Time: 2:09 AM

Peak	rt	Height
1	0.52	381
2	1.16	917
3	2.51	722

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
108	C	S	1225015-26		2	917	3.54	0.00		< HS	accept

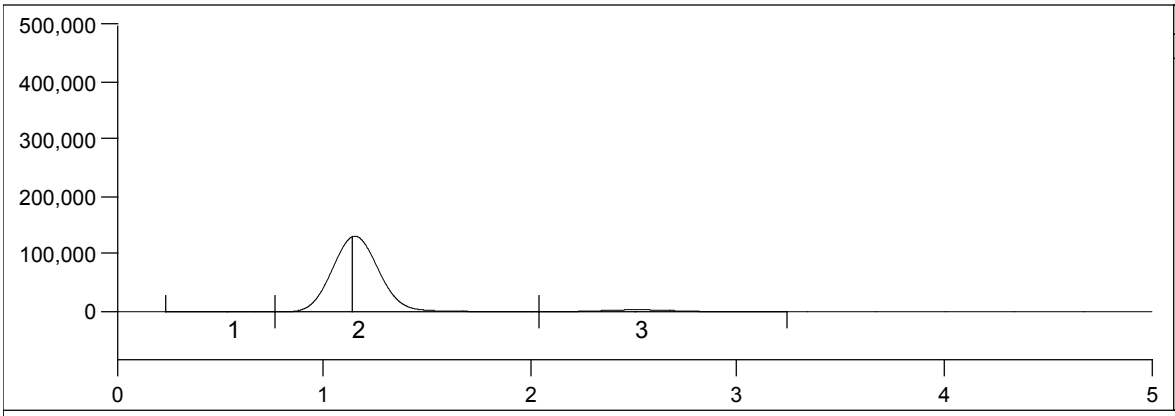
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

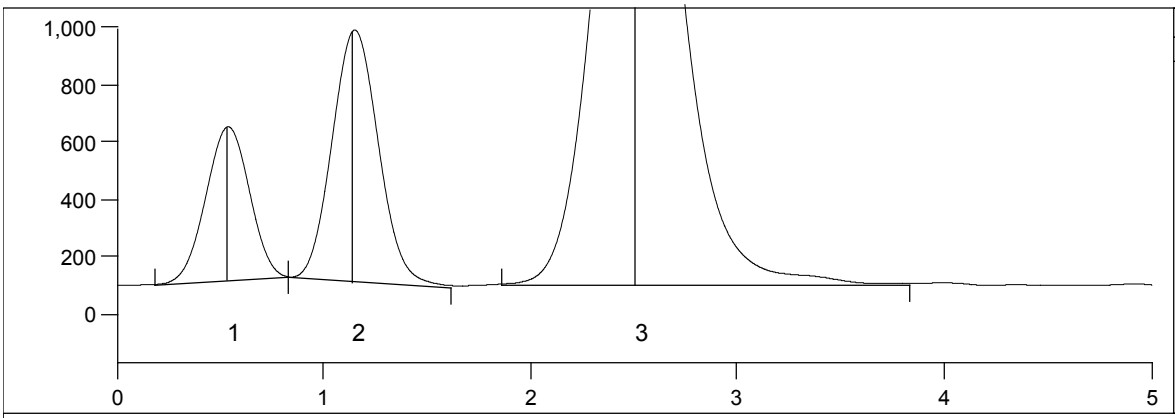


Peak	rt	Height
1	0.53	862
2	1.14	132,468
3	2.51	3,272

Date: 7/19/12
Time: 2:16 AM

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
109	A	S	1225015-27		2	132,468	522	0.00		< HS	accept

Notes

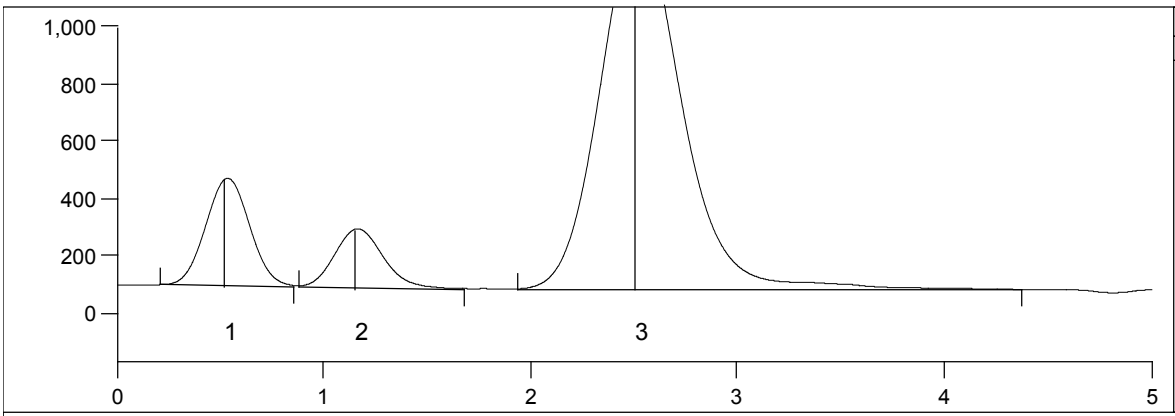


Peak	rt	Height
1	0.53	540
2	1.14	878
3	2.50	2,358

Date: 7/19/12
Time: 2:22 AM

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
110	B	S	1226028-18		2	878	3.38	0.00		< HS	accept

Notes



Peak	rt	Height
1	0.53	374
2	1.16	203
3	2.51	1,282

Date: 7/19/12
Time: 2:29 AM

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
111	C	S	1226028-29		2	203	0.719	0.00		< HS	accept

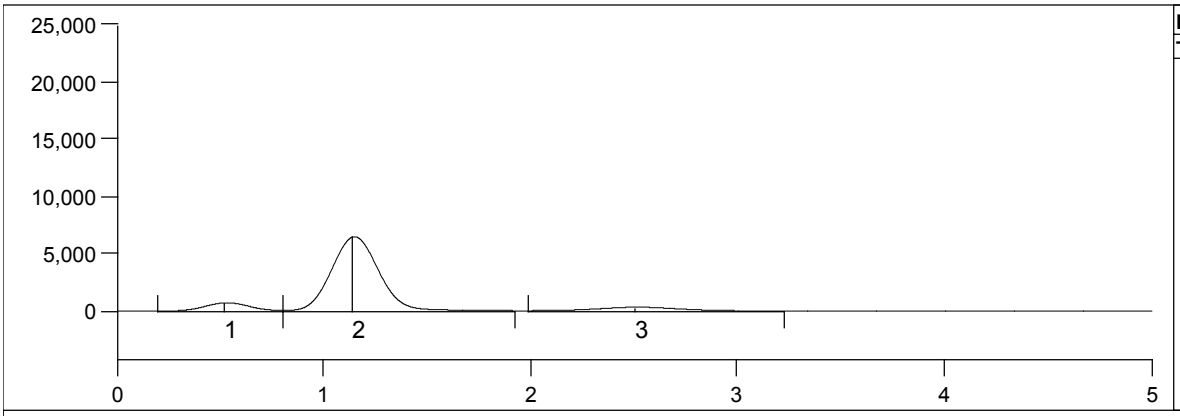
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

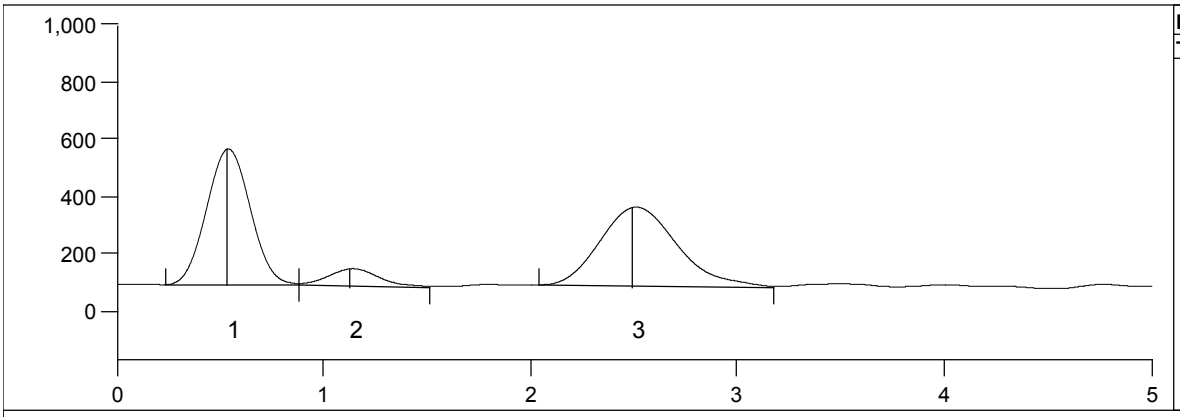
Date Analyzed: 7/18/12
Analyst Name: BJT



Date: 7/19/12
Time: 2:36 AM

Peak	rt	Height
1	0.53	702
2	1.14	6,467
3	2.51	318

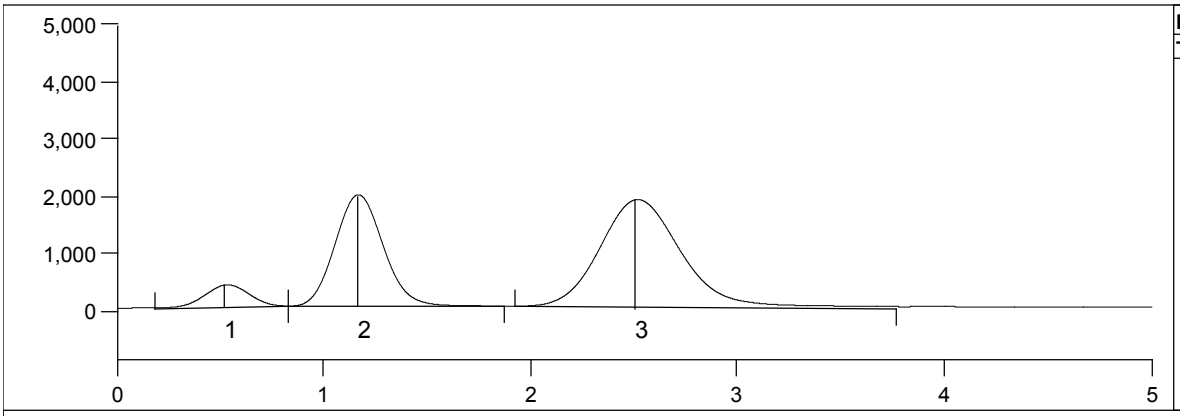
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
112	A	CCV	SEQ-CCV		2	6,467	25.4		102	67-133	accept
Notes											



Date: 7/19/12
Time: 2:42 AM

Peak	rt	Height
1	0.53	475
2	1.13	56
3	2.50	274

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
113	B	CCB	SEQ-CCB		2	56	0.221		0.221	< 1.4	accept
Notes											



Date: 7/19/12
Time: 2:49 AM

Peak	rt	Height
1	0.53	387
2	1.16	1,953
3	2.51	1,873

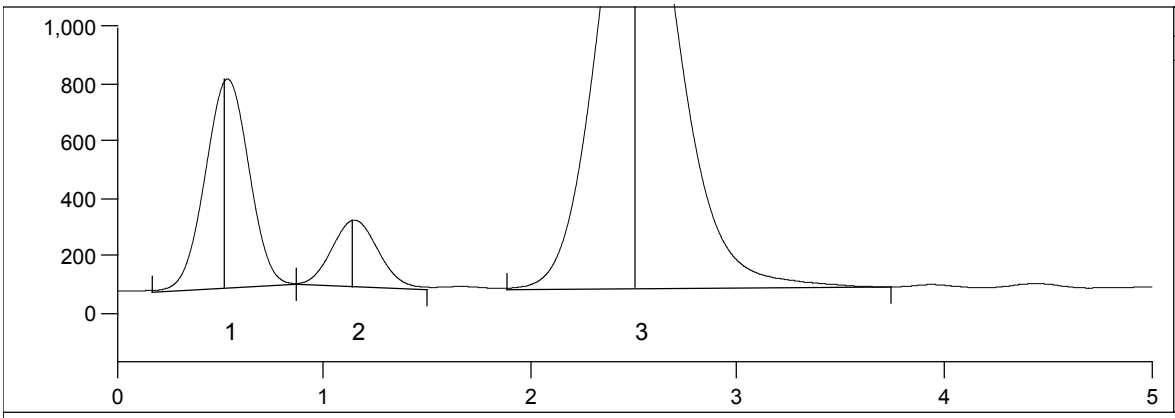
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
114	C	S	1226028-40		2	1,953	7.62	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

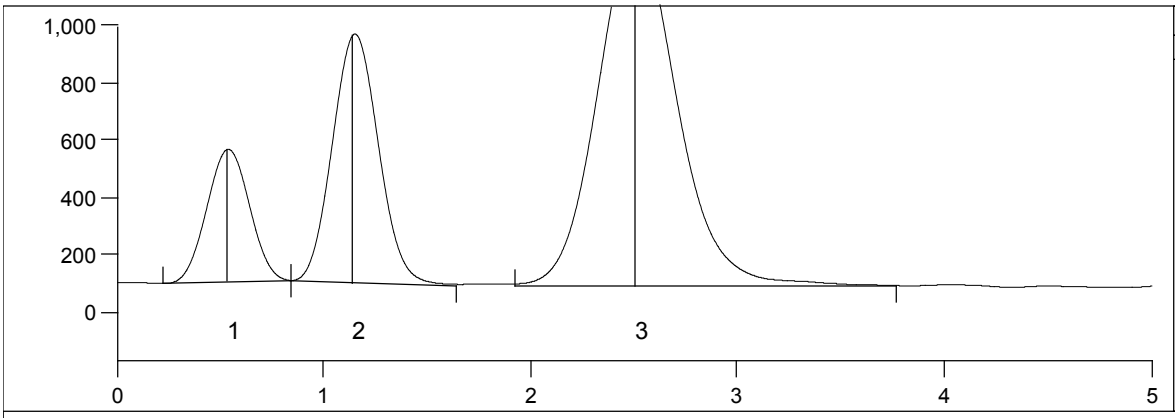


Date: 7/19/12
Time: 2:56 AM

Peak	rt	Height
1	0.53	729
2	1.14	228
3	2.50	1,689

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
115	A	S	1226028-51		2	228	0.818	0.00		< HS	accept

Notes

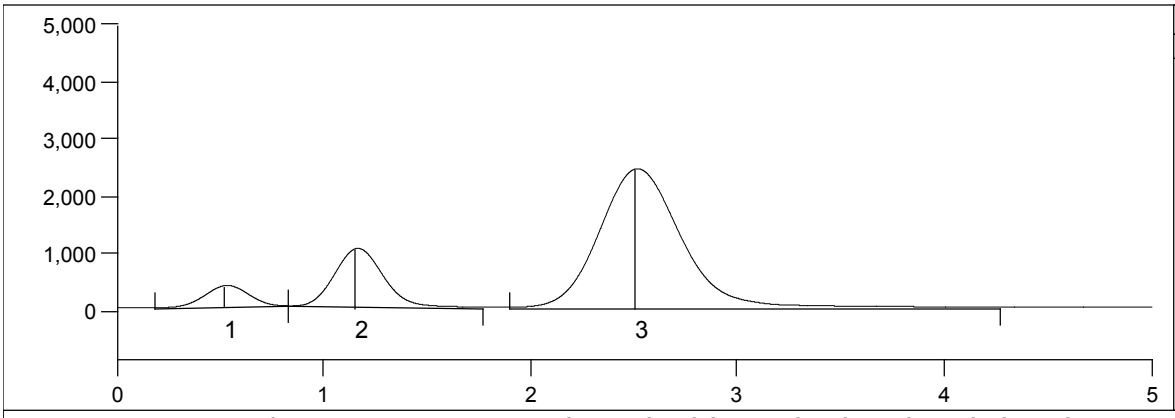


Date: 7/19/12
Time: 3:02 AM

Peak	rt	Height
1	0.53	466
2	1.14	869
3	2.50	1,238

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
116	B	S	1226028-62		2	869	3.35	0.00		< HS	accept

Notes



Date: 7/19/12
Time: 3:09 AM

Peak	rt	Height
1	0.53	374
2	1.16	1,016
3	2.51	2,425

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
117	C	S	1226028-67		2	1,016	3.93	0.00		< HS	accept

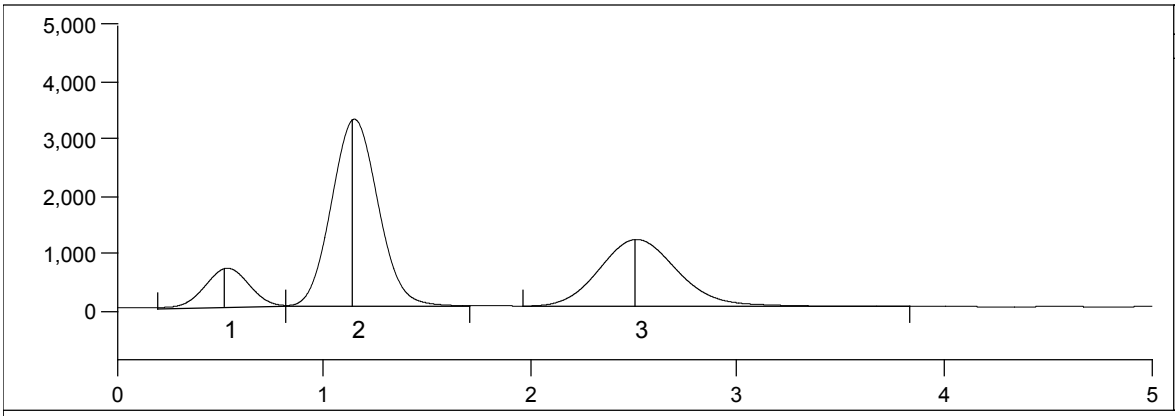
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

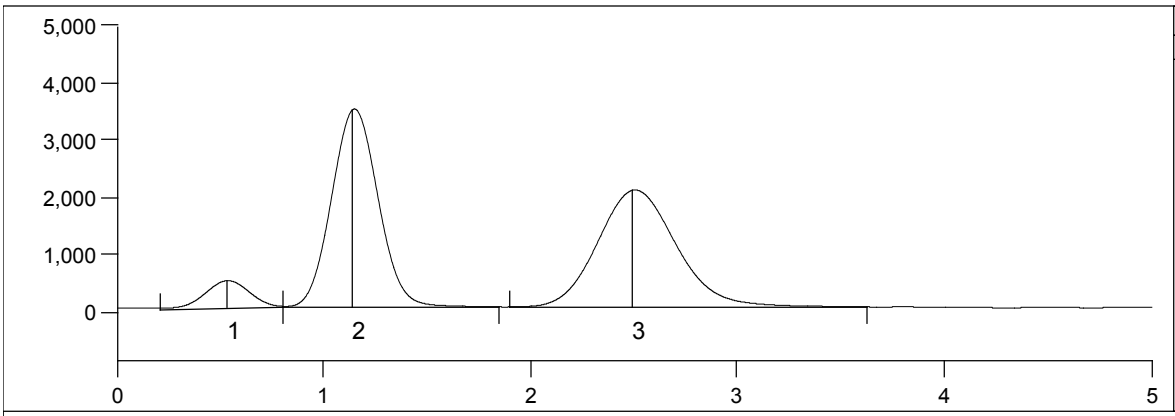


Date: 7/19/12
Time: 3:16 AM

Peak	rt	Height
1	0.53	670
2	1.14	3,268
3	2.50	1,171

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
118	A	S	B121107-MS2		2	3,268	12.8	0.00		< HS	accept

Notes

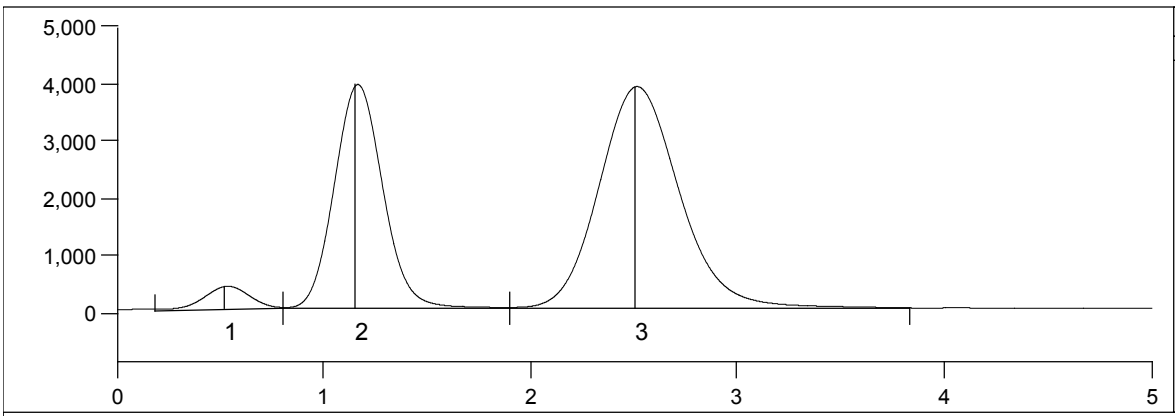


Date: 7/19/12
Time: 3:22 AM

Peak	rt	Height
1	0.53	466
2	1.14	3,463
3	2.50	2,049

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
119	B	S	B121107-MSD2		2	3,463	13.6	0.00		< HS	accept

Notes



Date: 7/19/12
Time: 3:29 AM

Peak	rt	Height
1	0.53	387
2	1.16	3,909
3	2.51	3,873

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
120	C	S	1226028-70		2	3,909	15.3	0.00		< HS	accept

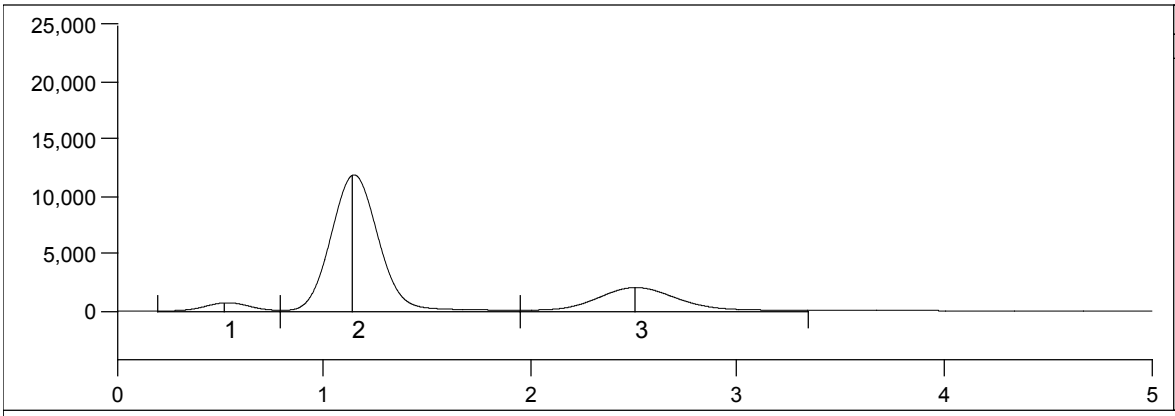
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

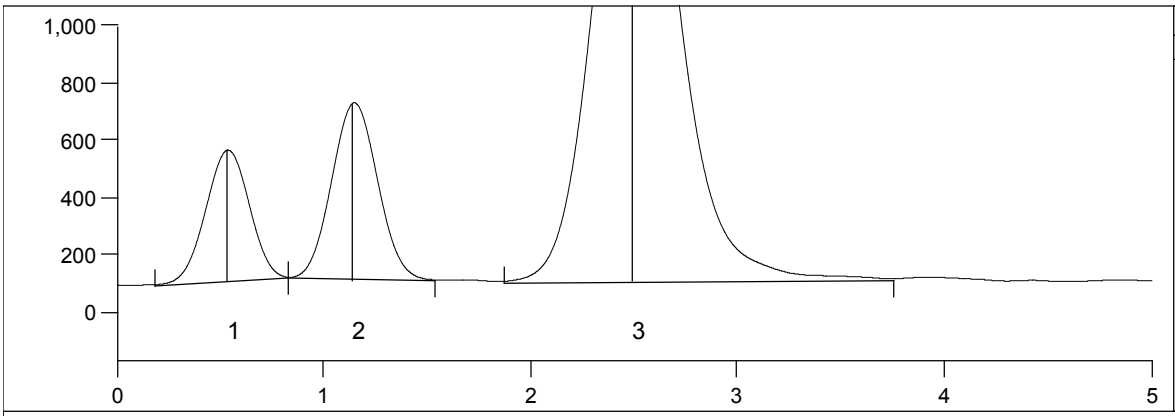


Date: 7/19/12
Time: 3:36 AM

Peak	rt	Height
1	0.53	695
2	1.14	11,880
3	2.50	1,995

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
121	A	S	1226029-01		2	11,880	46.8	0.00		< HS	accept

Notes

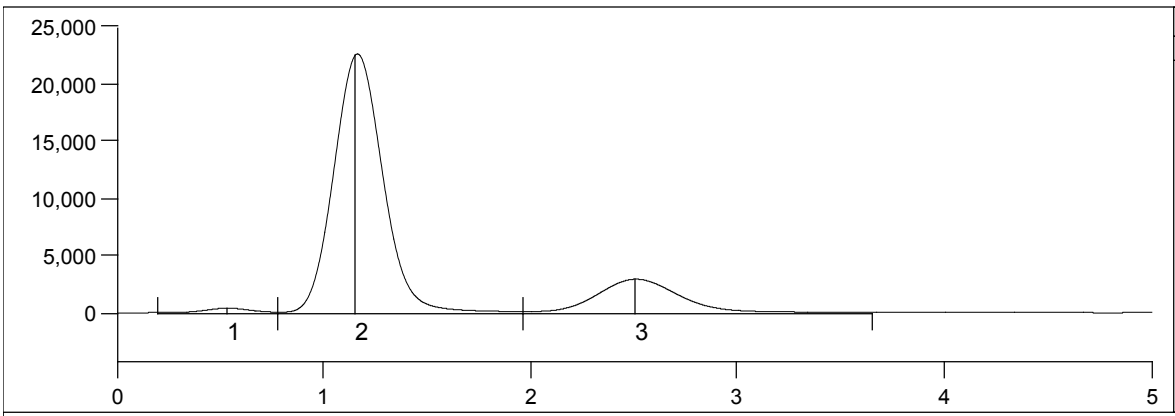


Date: 7/19/12
Time: 3:42 AM

Peak	rt	Height
1	0.53	458
2	1.14	615
3	2.50	2,014

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
122	B	S	1226029-03		2	615	2.34	0.00		< HS	accept

Notes



Date: 7/19/12
Time: 3:49 AM

Peak	rt	Height
1	0.53	370
2	1.16	22,620
3	2.50	2,862

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
123	C	S	B121107-MS3		2	22,620	89.1	0.00		< HS	accept

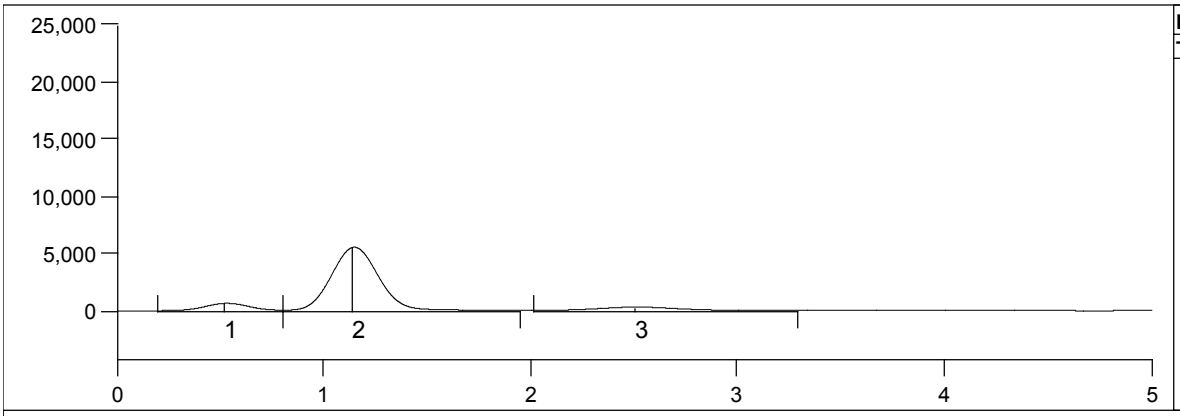
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

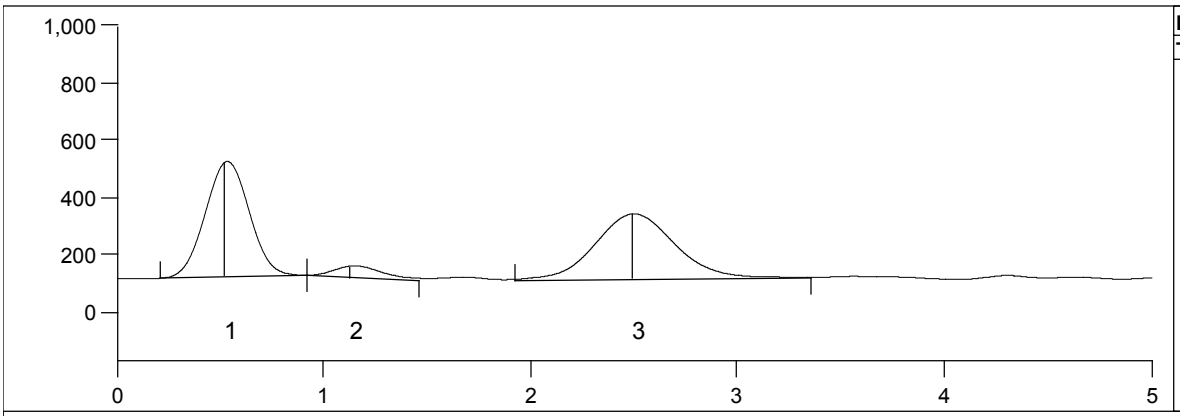
Date Analyzed: 7/18/12
Analyst Name: BJT



Date: 7/19/12
Time: 3:56 AM

Peak	rt	Height
1	0.53	627
2	1.14	5,528
3	2.51	303

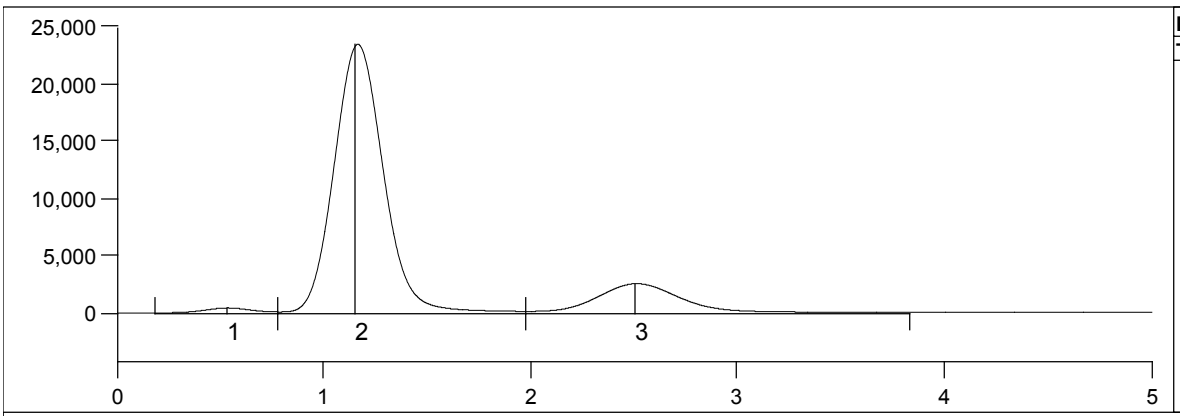
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
124	A	CCV	SEQ-CCV		2	5,528	21.7		86.9	67-133	accept
Notes											



Date: 7/19/12
Time: 4:02 AM

Peak	rt	Height
1	0.53	405
2	1.13	37
3	2.49	227

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
125	B	CCB	SEQ-CCB		2	37	0.146		0.146	< 1.4	accept
Notes											



Date: 7/19/12
Time: 4:09 AM

Peak	rt	Height
1	0.53	382
2	1.16	23,445
3	2.50	2,450

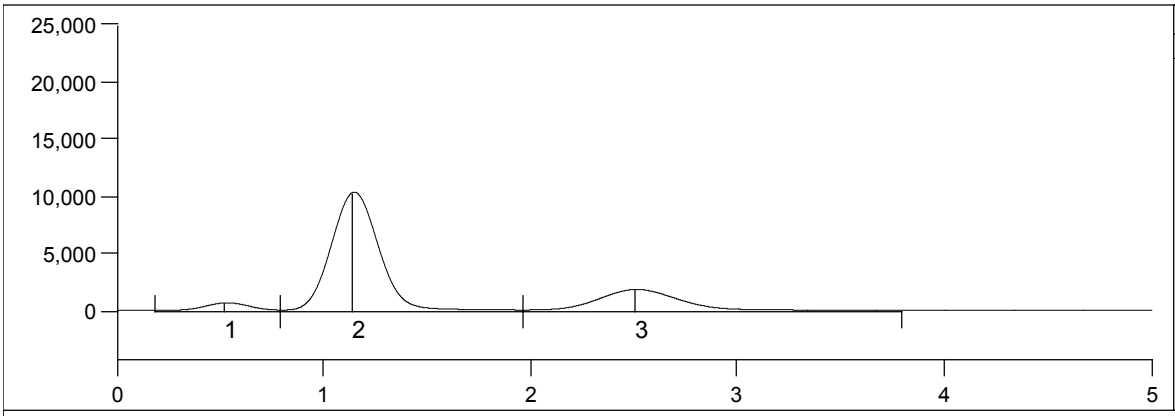
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
126	C	S	B121107-MSD3		2	23,445	92.4	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

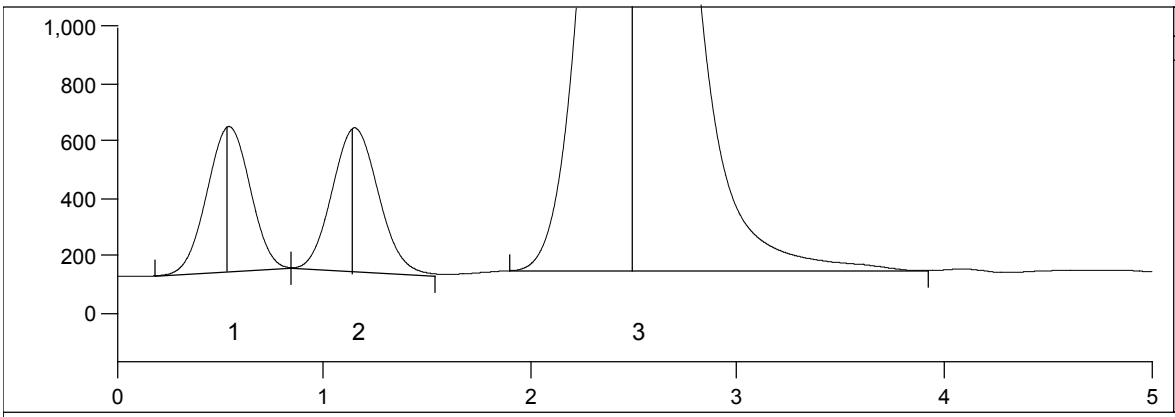


Date: 7/19/12
Time: 4:16 AM

Peak	rt	Height
1	0.53	657
2	1.14	10,340
3	2.50	1,806

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
127	A	S	1226029-06		2	10,340	40.7	0.00		< HS	accept

Notes

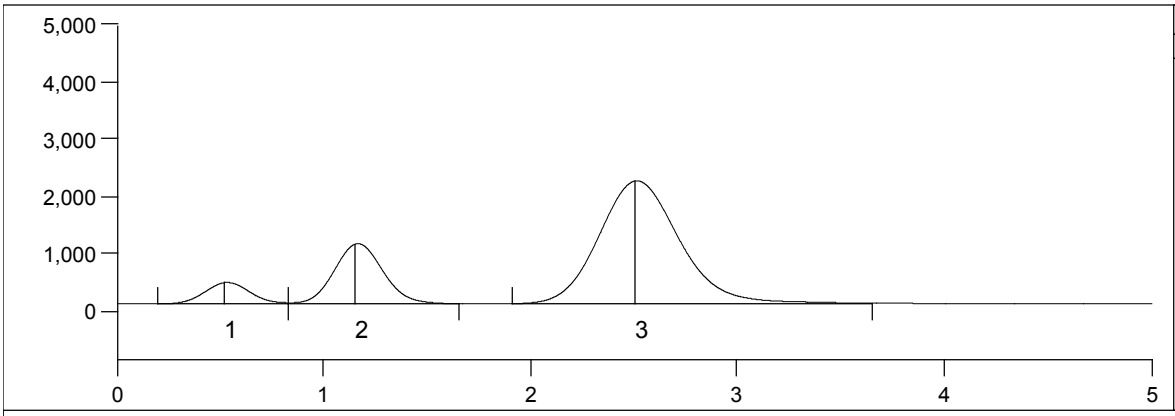


Date: 7/19/12
Time: 4:22 AM

Peak	rt	Height
1	0.54	509
2	1.14	499
3	2.50	4,110

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
128	B	S	1226029-08		2	499	1.89	0.00		< HS	accept

Notes



Date: 7/19/12
Time: 4:29 AM

Peak	rt	Height
1	0.53	365
2	1.16	1,043
3	2.51	2,148

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
129	C	S	1226029-11		2	1,043	4.03	0.00		< HS	accept

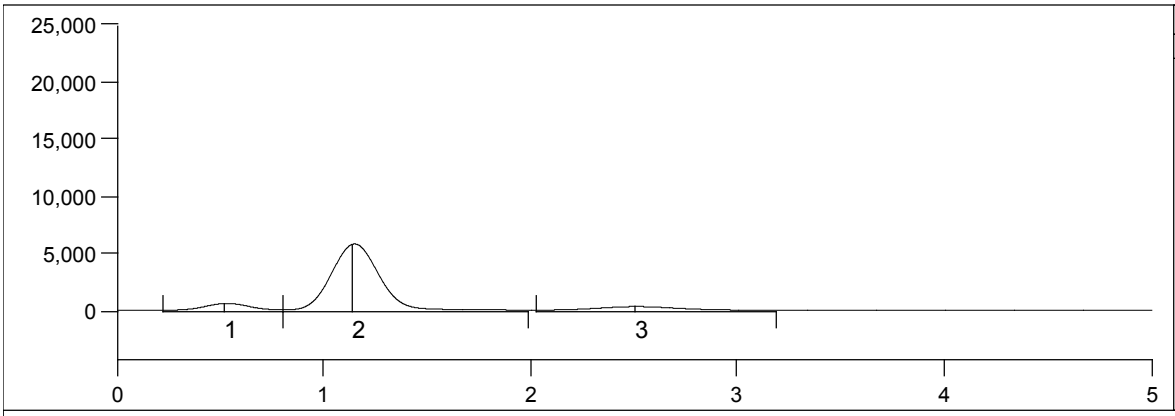
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

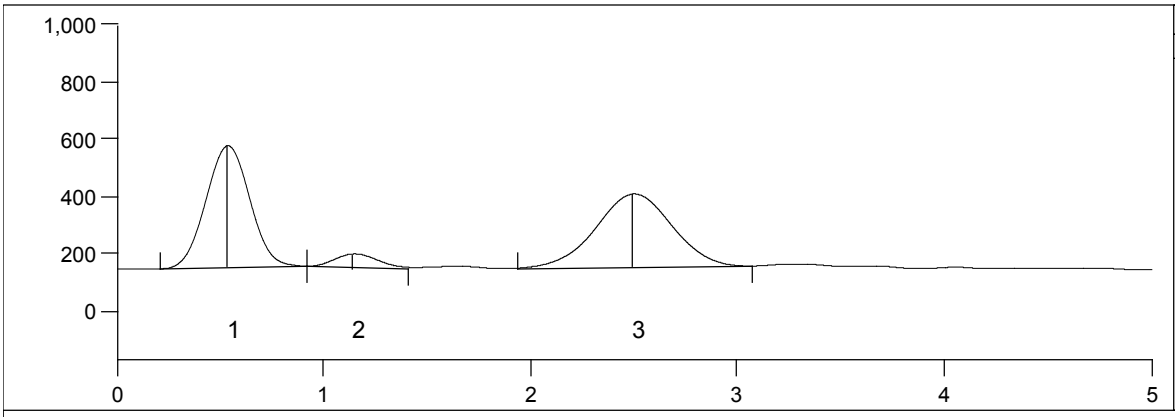


Date: 7/19/12
Time: 4:36 AM

Peak	rt	Height
1	0.52	579
2	1.14	5,783
3	2.50	311

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
130	A	CCV	SEQ-CCV		2	5,783	22.7		90.9	67-133	accept

Notes

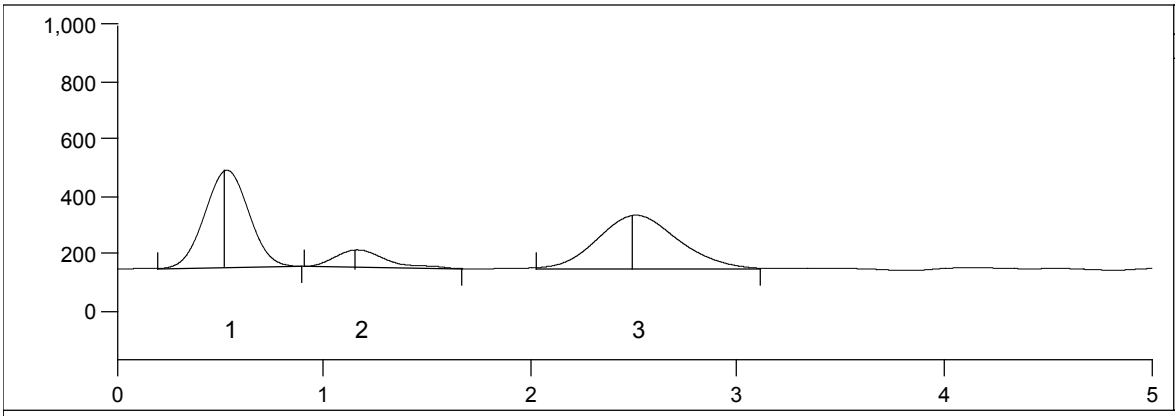


Date: 7/19/12
Time: 4:42 AM

Peak	rt	Height
1	0.53	428
2	1.14	45
3	2.49	257

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
131	B	CCB	SEQ-CCB		2	45	0.178		0.178	< 1.4	accept

Notes



Date: 7/19/12
Time: 4:49 AM

Peak	rt	Height
1	0.52	342
2	1.16	60
3	2.50	184

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
132	C	S	B121162-BLK1		2	60	0.155	0.00		< HS	accept

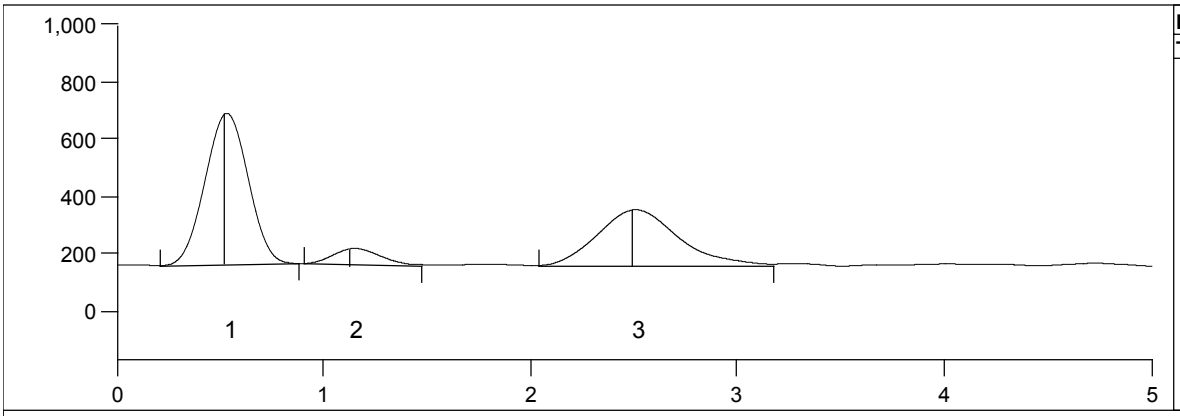
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

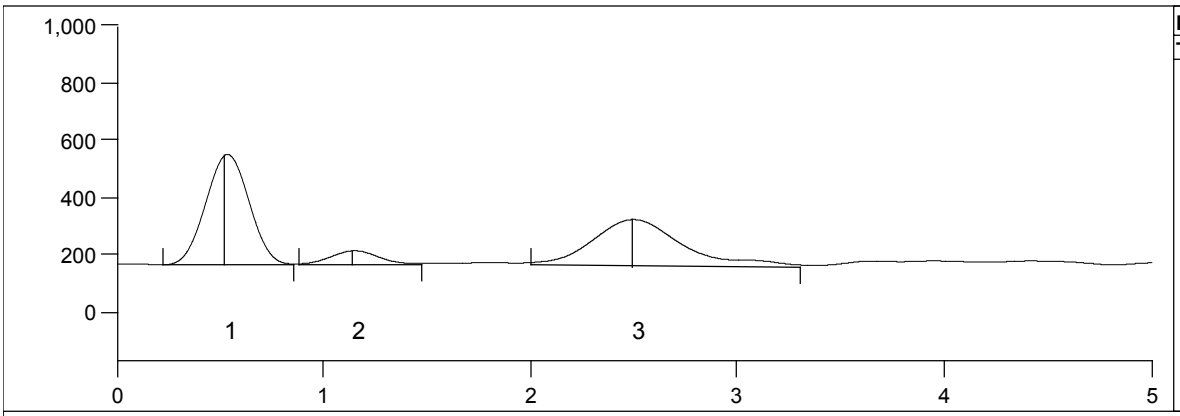
Date Analyzed: 7/18/12
Analyst Name: BJT



Date: 7/19/12
Time: 4:56 AM

Peak	rt	Height
1	0.52	531
2	1.13	54
3	2.50	193

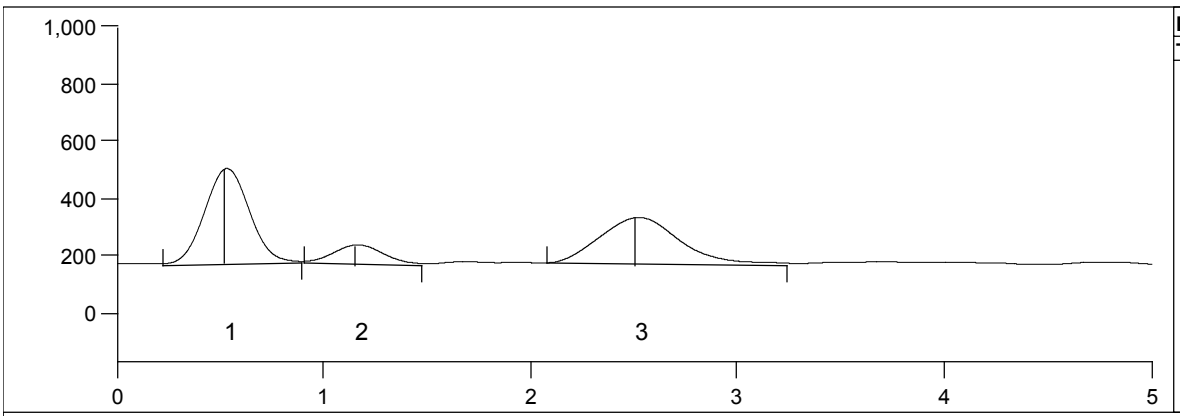
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
133	A	S	B121162-BLK2		2	54	0.131	0.00		< HS	accept
Notes											



Date: 7/19/12
Time: 5:02 AM

Peak	rt	Height
1	0.53	386
2	1.14	46
3	2.49	154

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
134	B	S	B121162-BLK3		2	46	0.0999	0.00		< HS	accept
Notes											



Date: 7/19/12
Time: 5:09 AM

Peak	rt	Height
1	0.52	331
2	1.15	60
3	2.51	159

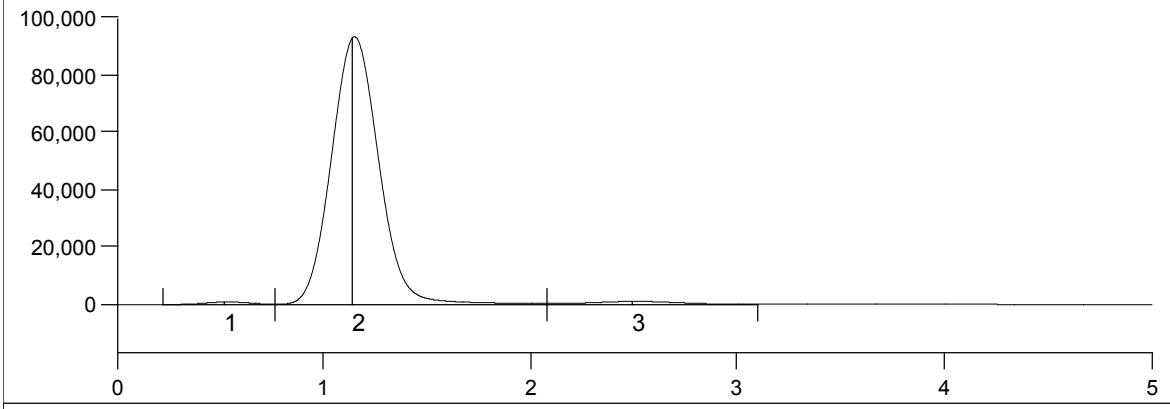
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
135	C	S	B121162-BLK4		2	60	0.155	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

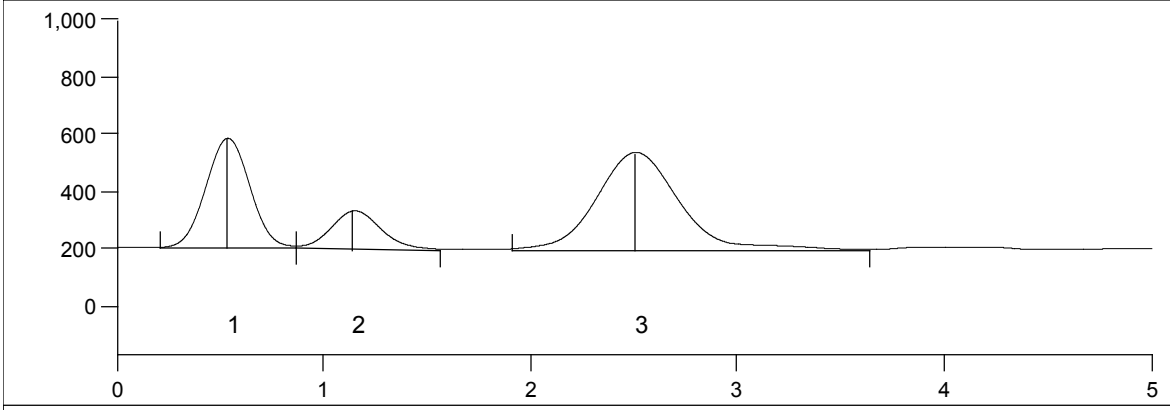
Date Analyzed: 7/18/12
Analyst Name: BJT



Date: 7/19/12
Time: 5:16 AM

Peak	rt	Height
1	0.53	802
2	1.14	93,696
3	2.50	859

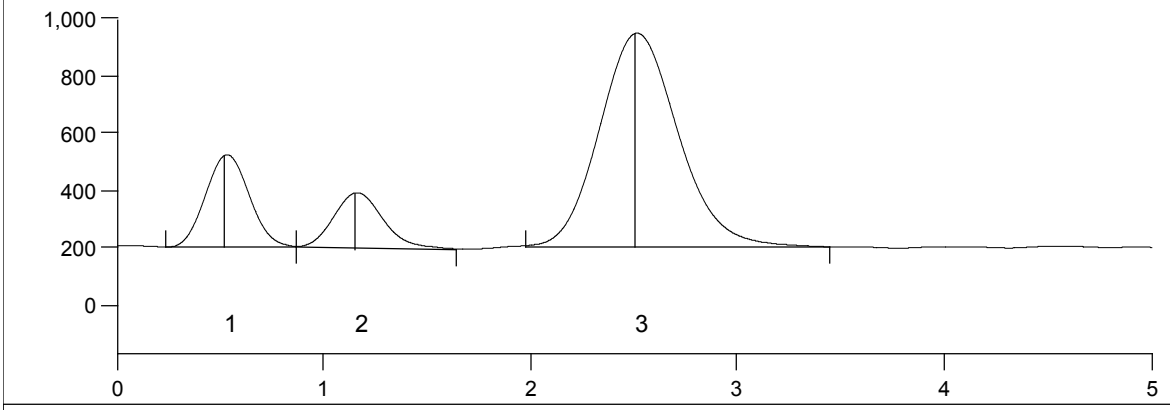
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
136	A	S	B121162-SRM1		2	93,696	370.	0.00		< HS	accept
Notes											



Date: 7/19/12
Time: 5:22 AM

Peak	rt	Height
1	0.53	381
2	1.14	128
3	2.50	339

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
137	B	S	1226018-85		2	128	0.423	0.00		< HS	accept
Notes											



Date: 7/19/12
Time: 5:29 AM

Peak	rt	Height
1	0.53	323
2	1.15	191
3	2.51	747

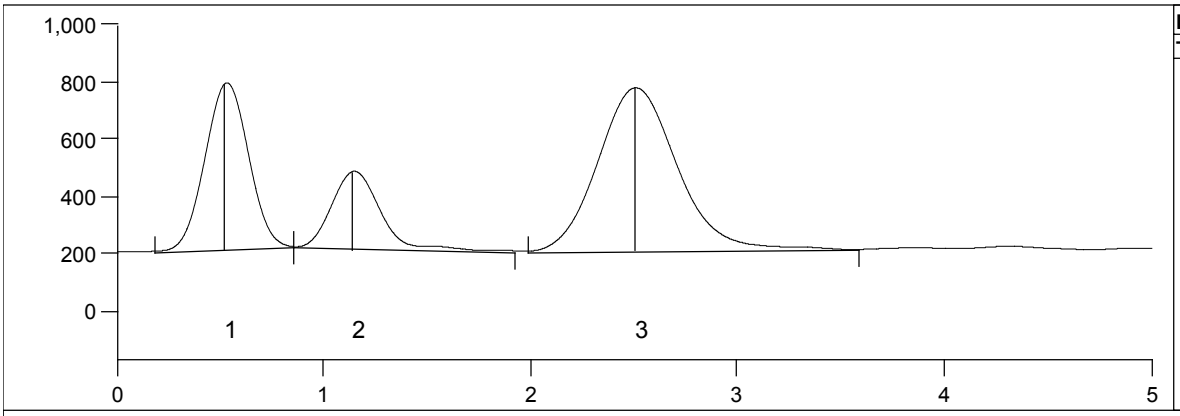
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
138	C	S	1226028-78		2	191	0.672	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

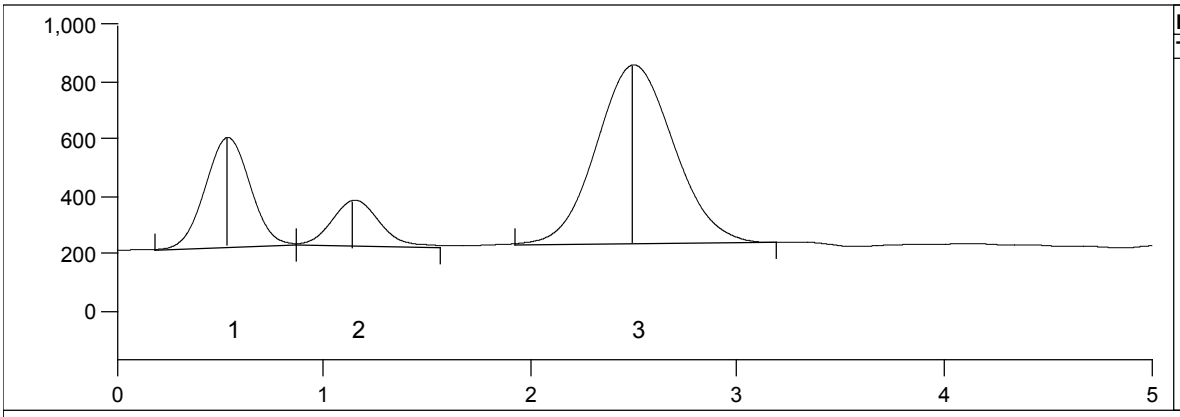


Date: 7/19/12
Time: 5:36 AM

Peak	rt	Height
1	0.52	583
2	1.14	268
3	2.50	572

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
139	A	S	1226028-79		2	268	0.976	0.00		< HS	accept

Notes

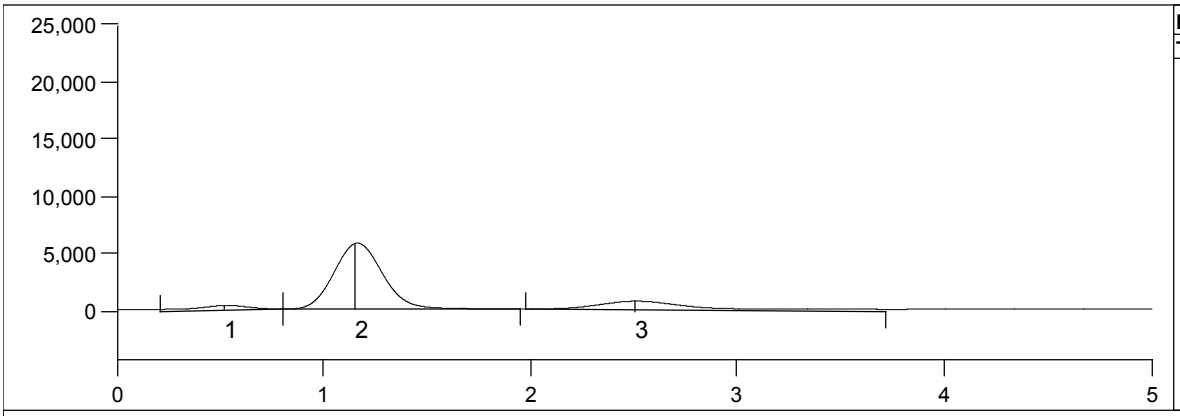


Date: 7/19/12
Time: 5:42 AM

Peak	rt	Height
1	0.53	383
2	1.14	155
3	2.49	625

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
140	B	S	B121162-DUP1		2	155	0.530	0.00		< HS	accept

Notes



Date: 7/19/12
Time: 5:49 AM

Peak	rt	Height
1	0.52	320
2	1.16	5,778
3	2.50	686

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
141	C	S	B121162-MS1		2	5,778	22.7	0.00		< HS	accept

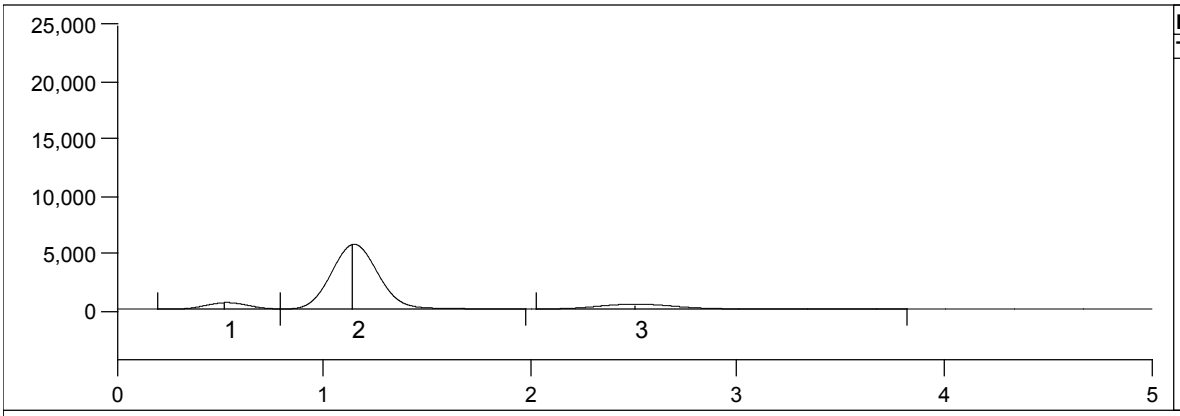
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

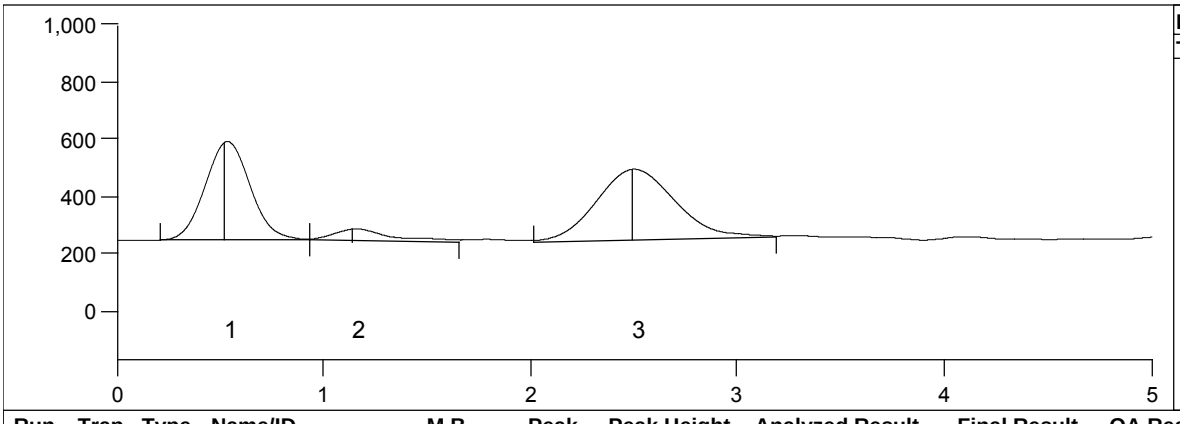
Date Analyzed: 7/18/12
Analyst Name: BJT



Date: 7/19/12
Time: 5:56 AM

Peak	rt	Height
1	0.52	571
2	1.14	5,666
3	2.50	427

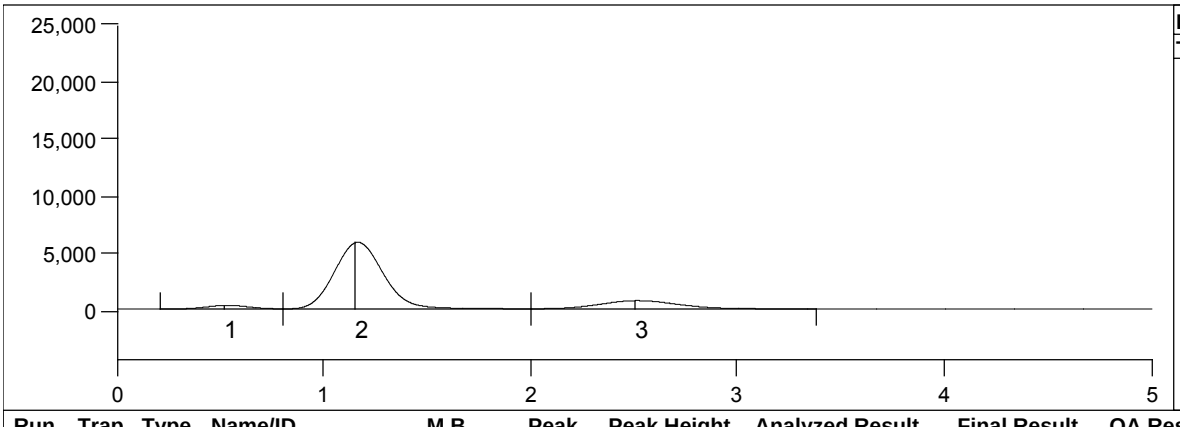
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
142	A	CCV	SEQ-CCV		2	5,666	22.3		89.1	67-133	accept
Notes											



Date: 7/19/12
Time: 6:02 AM

Peak	rt	Height
1	0.53	343
2	1.15	36
3	2.49	243

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
143	B	CCB	SEQ-CCB		2	36	0.142		0.142	< 1.4	accept
Notes											



Date: 7/19/12
Time: 6:09 AM

Peak	rt	Height
1	0.53	307
2	1.16	5,831
3	2.51	716

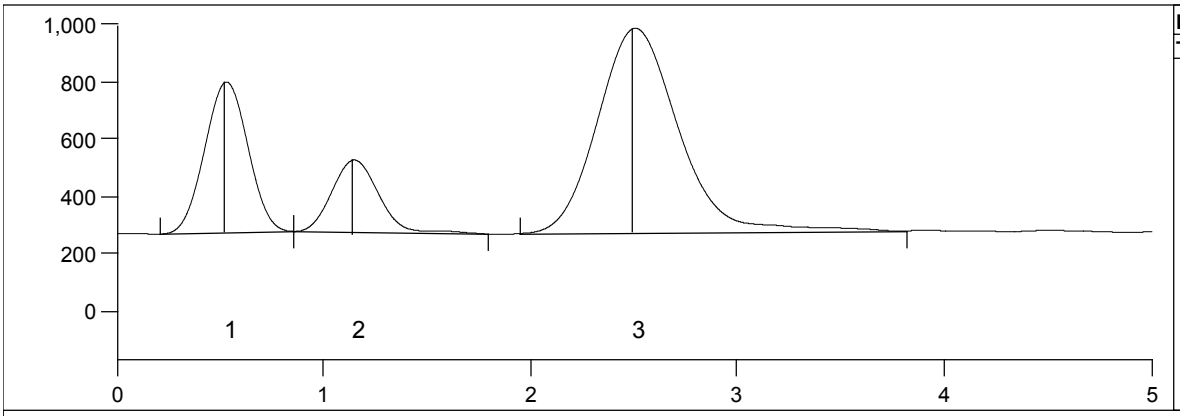
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
144	C	S	B121162-MSD1		2	5,831	22.9	0.00		< HS	accept
Notes											

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT

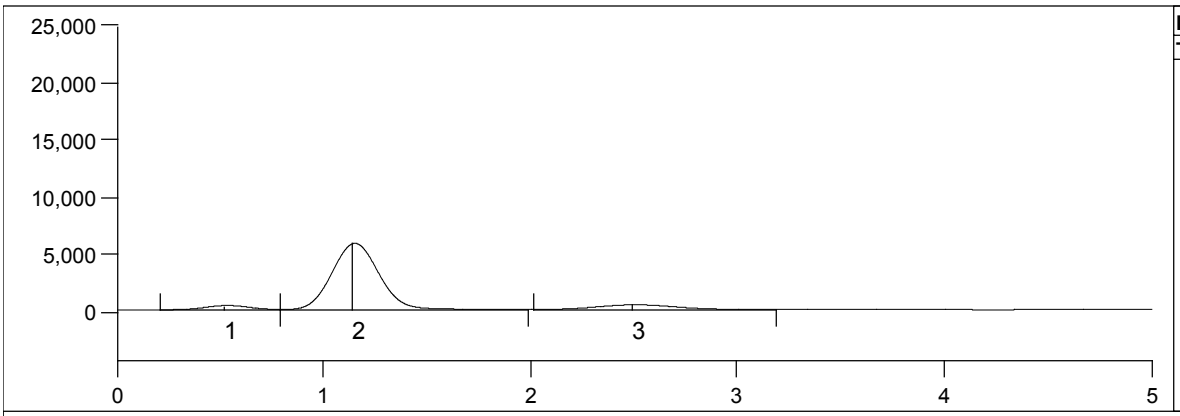


Date: 7/19/12
Time: 6:16 AM

Peak	rt	Height
1	0.52	529
2	1.14	254
3	2.50	717

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
145	A	S	1226028-80		2	254	0.920	0.00		< HS	accept

Notes

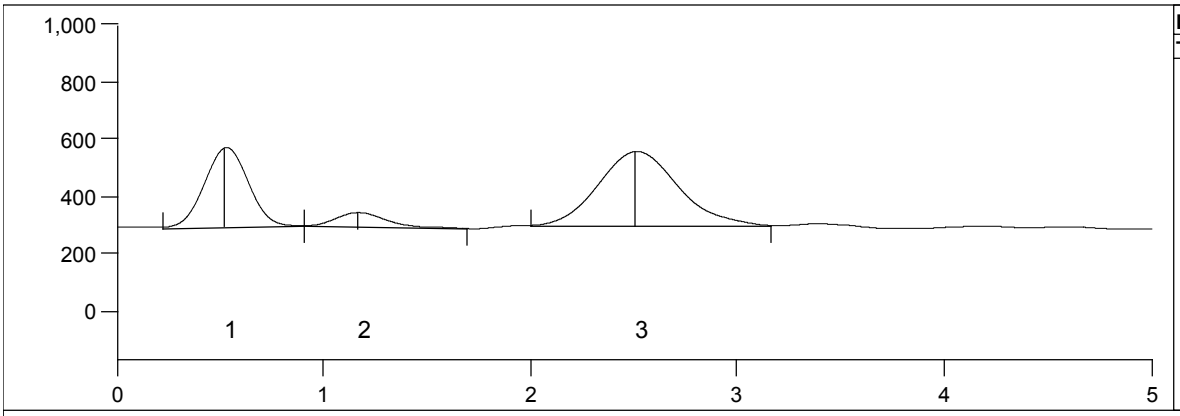


Date: 7/19/12
Time: 6:22 AM

Peak	rt	Height
1	0.53	356
2	1.14	5,786
3	2.50	409

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
146	B	CCV	SEQ-CCV		2	5,786	22.7		91.0	67-133	accept

Notes



Date: 7/19/12
Time: 6:29 AM

Peak	rt	Height
1	0.52	277
2	1.16	50
3	2.51	259

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
147	C	CCB	SEQ-CCB		2	50	0.197		0.197	< 1.4	accept

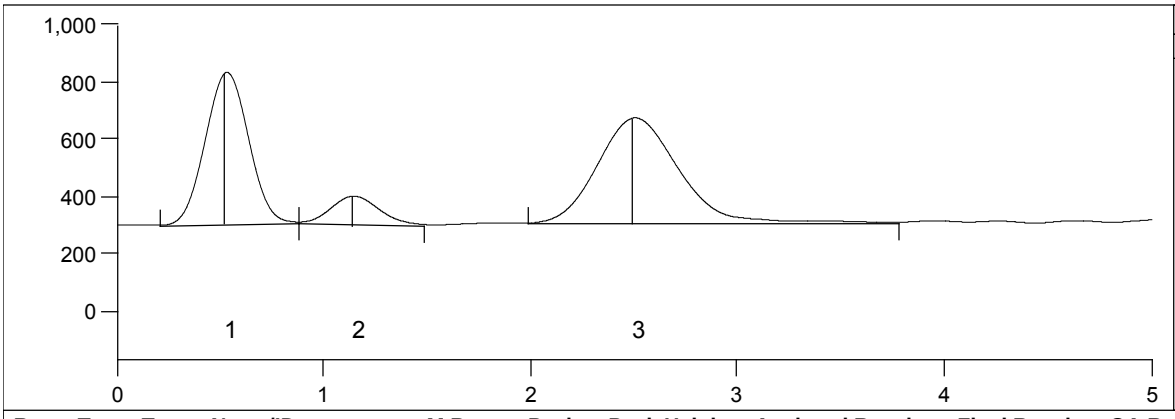
Notes

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

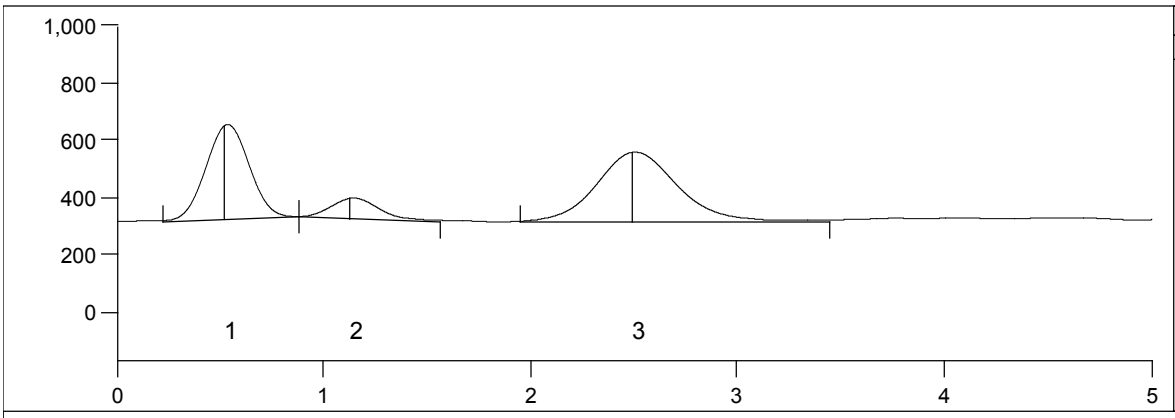
Date Analyzed: 7/18/12
Analyst Name: BJT



Date: 7/19/12
Time: 6:36 AM

Peak	rt	Height
1	0.52	531
2	1.14	94
3	2.50	368

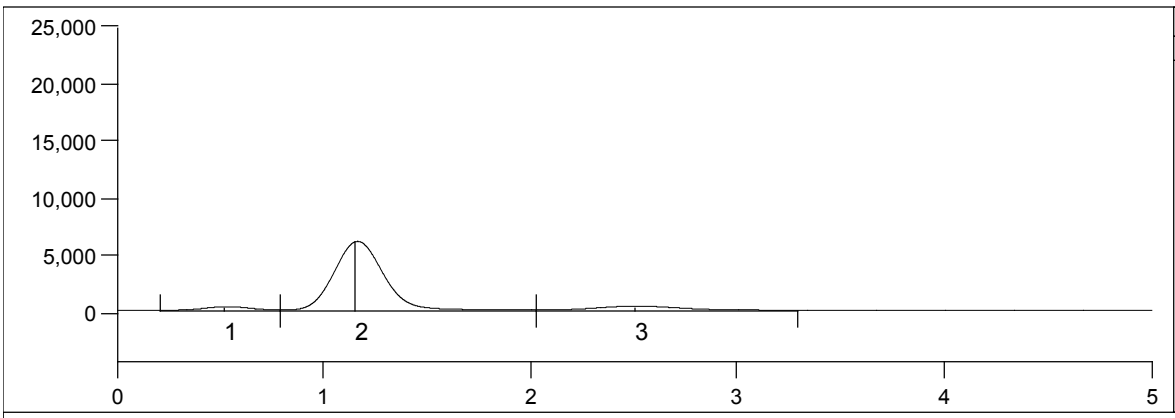
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
148	A	S	KIDNEY		2	94	0.289	0.00		< HS	accept
Notes											



Date: 7/19/12
Time: 6:42 AM

Peak	rt	Height
1	0.53	330
2	1.13	69
3	2.49	241

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
149	B	S	LIVER		2	69	0.191	0.00		< HS	accept
Notes											



Date: 7/19/12
Time: 6:49 AM

Peak	rt	Height
1	0.53	293
2	1.16	6,005
3	2.50	337

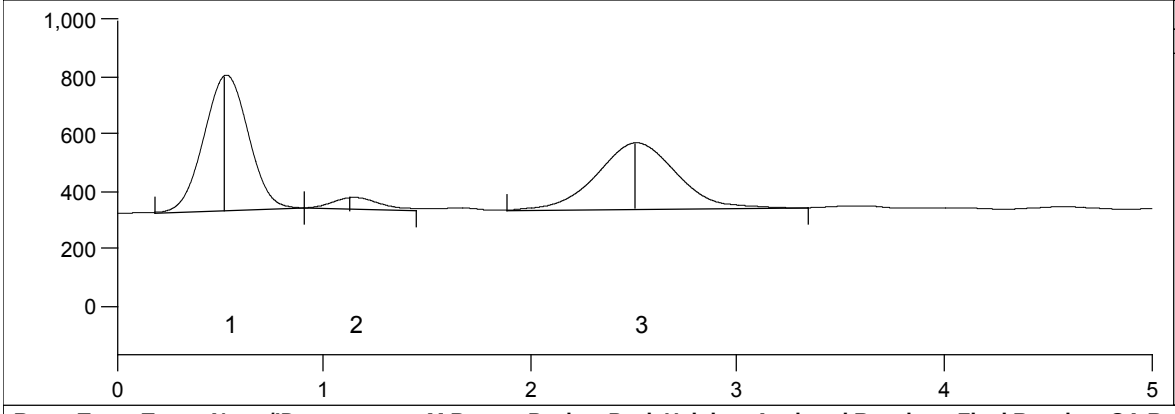
Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
150	C	CCV	SEQ-CCV		2	6,005	23.6		94.4	67-133	accept
Notes											

Peak Report

Batch Number: B121166, 1107, 1162
Method Number: CVAFS BR-0011

Project Number(s): 1200545
Instrument ID: MMHG-09

Date Analyzed: 7/18/12
Analyst Name: BJT



Date: 7/19/12
Time: 6:56 AM

Peak	rt	Height
1	0.52	474
2	1.13	37
3	2.50	233

Run	Trap	Type	Name/ID	M B	Peak	Peak Height	Analyzed Result	Final Result	QA Results	Criteria	Notes
151	A	CCB	SEQ-CCB		2	37	0.146		0.146	< 1.4	accept

Notes

ANALYSIS SEQUENCE

1200490

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200490-ICB1	1200490	QC	1		-			
1200490-CAL1	1200490	QC	2	1225013	-			
1200490-CAL2	1200490	QC	3	1225012	-			
1200490-CAL3	1200490	QC	4	1225011	-			
1200490-CAL4	1200490	QC	5	1225010	-			
1200490-CAL5	1200490	QC	6	1225009	-			
1200490-CAL6	1200490	QC	7	1225008	-			
1200490-CAL7	1200490	QC	8	1225007	-			
1200490-CAL8	1200490	QC	9	1225006	-			
1200490-ICB2	1200490	QC	10		-			
1200490-ICV1	1200490	QC	11	1226014	-			
1200490-ICB3	1200490	QC	12		-			
1200490-IBL1	1200490	QC	13		-			
1200490-IBL2	1200490	QC	14		-			
1200490-IBL3	1200490	QC	15		-			
1200490-IBL4	1200490	QC	16		-			
1200490-SCV1	1200490	QC	17	1215030	-			
1200490-CCV1	1200490	QC	18	1225010	-			
1200490-CCB1	1200490	QC	19		-			
B121134-BLK1	B121134	QC	20		-			
B121134-BLK2	B121134	QC	21		-			
B121134-BLK3	B121134	QC	22		-			
B121134-BLK4	B121134	QC	23		-			
B121134-BS1	B121134	QC	24		-			
B121134-SRM1	B121134	QC	25		-			
1200490-CCV2	1200490	QC	26	1225010	-			

ANALYSIS SEQUENCE

1200490

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200490-CCB2	1200490	QC	27		-			
1226019-12	B121134	Cd-FW-Oven-ICPMS-TR	28			MMC-LI0801	7/2/2012	
1226019-12	B121134	Pb-FW-Oven-ICPMS-TR	29			MMC-LI0801	7/2/2012	
1226019-11	B121134	Cd-FW-Oven-ICPMS-TR	30			MMC-LI0801	7/2/2012	
1226019-11	B121134	Pb-FW-Oven-ICPMS-TR	31			MMC-LI0801	7/2/2012	
1226019-10	B121134	Cd-FW-Oven-ICPMS-Diss	32			MMC-LI0801	7/2/2012	
1226019-10	B121134	Pb-FW-Oven-ICPMS-Diss	33			MMC-LI0801	7/2/2012	
1226019-09	B121134	Cd-FW-Oven-ICPMS-Diss	34			MMC-LI0801	1/1/1980	BatchQC
1226019-09	B121134	Cd-FW-Oven-ICPMS-TR	35			MMC-LI0801	7/2/2012	
1226019-09	B121134	Pb-FW-Oven-ICPMS-Diss	36			MMC-LI0801	1/1/1980	BatchQC
1226019-09	B121134	Pb-FW-Oven-ICPMS-TR	37			MMC-LI0801	7/2/2012	
B121134-DUP1	B121134	QC	38		1226019-09			
B121134-MS1	B121134	QC	39		1226019-09			
B121134-MSD1	B121134	QC	40		1226019-09			
1200490-CCV3	1200490	QC	41	1225010	-			
1200490-CCB3	1200490	QC	42		-			
B121108-BLK1	B121108	QC	43		-			
B121108-BLK2	B121108	QC	44		-			
B121108-BLK3	B121108	QC	45		-			
B121108-BLK4	B121108	QC	46		-			
0944029-89	B121108	Tl-SW-RP-ICPMS-TR	47			RP SW-LFB	10/23/2009	
0944029-89	B121108	Se-SW-RP-ICPMS-TR	48			RP SW-LFB	10/23/2009	
0944029-89	B121108	Sb-SW-RP-ICPMS-TR	49			RP SW-LFB	10/23/2009	
0944029-89	B121108	As-SW-RP-ICPMS-TR	50			RP SW-LFB	10/23/2009	
0944029-89	B121108	Ag-SW-RP-ICPMS-TR	51			RP SW-LFB	10/23/2009	
B121108-MS4	B121108	QC	52		0944029-89			

ANALYSIS SEQUENCE

1200490

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B121108-BS1	B121108	QC	53		-			
B121108-SRM1	B121108	QC	54		-			
1225015-01	B121108	Tl-SW-RP-ICPMS-TR	55			UDE-SL1201	8/2/2012	
1225015-01	B121108	Se-SW-RP-ICPMS-TR	56			UDE-SL1201	8/2/2012	
1225015-01	B121108	Sb-SW-RP-ICPMS-TR	57			UDE-SL1201	1/1/1980	BatchQC
1225015-01	B121108	As-SW-RP-ICPMS-TR	58			UDE-SL1201	8/2/2012	
1225015-01	B121108	Ag-SW-RP-ICPMS-TR	59			UDE-SL1201	1/1/1980	BatchQC
B121108-DUP1	B121108	QC	60		1225015-01			
1200490-CCV4	1200490	QC	61	1225010	-			
1200490-CCB4	1200490	QC	62		-			
B121108-MS1	B121108	QC	63		1225015-01			
B121108-MSD1	B121108	QC	64		1225015-01			
1225015-02	B121108	Tl-SW-RP-ICPMS-TR	65			UDE-SL1201	8/2/2012	
1225015-02	B121108	Se-SW-RP-ICPMS-TR	66			UDE-SL1201	8/2/2012	
1225015-02	B121108	As-SW-RP-ICPMS-TR	67			UDE-SL1201	8/2/2012	
1225015-11	B121108	Tl-SW-RP-ICPMS-TR	68			UDE-SL1201	8/2/2012	
1225015-11	B121108	Se-SW-RP-ICPMS-TR	69			UDE-SL1201	8/2/2012	
1225015-11	B121108	As-SW-RP-ICPMS-TR	70			UDE-SL1201	8/2/2012	
1225015-12	B121108	Tl-SW-RP-ICPMS-TR	71			UDE-SL1201	8/2/2012	
1225015-12	B121108	Se-SW-RP-ICPMS-TR	72			UDE-SL1201	8/2/2012	
1225015-12	B121108	As-SW-RP-ICPMS-TR	73			UDE-SL1201	8/2/2012	
1225015-13	B121108	Tl-SW-RP-ICPMS-TR	74			UDE-SL1201	8/2/2012	
1225015-13	B121108	Se-SW-RP-ICPMS-TR	75			UDE-SL1201	8/2/2012	
1225015-13	B121108	As-SW-RP-ICPMS-TR	76			UDE-SL1201	8/2/2012	
1225015-14	B121108	Tl-SW-RP-ICPMS-TR	77			UDE-SL1201	8/2/2012	
1225015-14	B121108	Se-SW-RP-ICPMS-TR	78			UDE-SL1201	8/2/2012	

ANALYSIS SEQUENCE

1200490

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1225015-14	B121108	As-SW-RP-ICPMS-TR	79			UDE-SL1201	8/2/2012	
1225015-16	B121108	Tl-SW-RP-ICPMS-TR	80			UDE-SL1201	8/2/2012	
1225015-16	B121108	Se-SW-RP-ICPMS-TR	81			UDE-SL1201	8/2/2012	
1225015-16	B121108	As-SW-RP-ICPMS-TR	82			UDE-SL1201	8/2/2012	
1225015-17	B121108	Tl-SW-RP-ICPMS-TR	83			UDE-SL1201	8/2/2012	
1225015-17	B121108	Se-SW-RP-ICPMS-TR	84			UDE-SL1201	8/2/2012	
1225015-17	B121108	As-SW-RP-ICPMS-TR	85			UDE-SL1201	8/2/2012	
1225015-18	B121108	Tl-SW-RP-ICPMS-TR	86			UDE-SL1201	8/2/2012	
1225015-18	B121108	Se-SW-RP-ICPMS-TR	87			UDE-SL1201	8/2/2012	
1225015-18	B121108	As-SW-RP-ICPMS-TR	88			UDE-SL1201	8/2/2012	
1200490-CCV5	1200490	QC	89	1225010	-			
1200490-CCB5	1200490	QC	90		-			
1225015-19	B121108	Tl-SW-RP-ICPMS-TR	91			UDE-SL1201	8/2/2012	
1225015-19	B121108	Se-SW-RP-ICPMS-TR	92			UDE-SL1201	8/2/2012	
1225015-19	B121108	As-SW-RP-ICPMS-TR	93			UDE-SL1201	8/2/2012	
1225015-20	B121108	Tl-SW-RP-ICPMS-TR	94			UDE-SL1201	8/2/2012	
1225015-20	B121108	Se-SW-RP-ICPMS-TR	95			UDE-SL1201	8/2/2012	
1225015-20	B121108	As-SW-RP-ICPMS-TR	96			UDE-SL1201	8/2/2012	
1225015-21	B121108	Tl-SW-RP-ICPMS-TR	97			UDE-SL1201	8/2/2012	
1225015-21	B121108	Se-SW-RP-ICPMS-TR	98			UDE-SL1201	8/2/2012	
1225015-21	B121108	Sb-SW-RP-ICPMS-TR	99			UDE-SL1201	1/1/1980	BatchQC
1225015-21	B121108	As-SW-RP-ICPMS-TR	100			UDE-SL1201	8/2/2012	
1225015-21	B121108	Ag-SW-RP-ICPMS-TR	101			UDE-SL1201	1/1/1980	BatchQC
B121108-DUP2	B121108	QC	102		1225015-21			
B121108-MS2	B121108	QC	103		1225015-21			
B121108-MSD2	B121108	QC	104		1225015-21			

ANALYSIS SEQUENCE

1200490

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1225015-22	B121108	Tl-SW-RP-ICPMS-TR	105			UDE-SL1201	8/2/2012	
1225015-22	B121108	Se-SW-RP-ICPMS-TR	106			UDE-SL1201	8/2/2012	
1225015-22	B121108	As-SW-RP-ICPMS-TR	107			UDE-SL1201	8/2/2012	
1225015-23	B121108	Tl-SW-RP-ICPMS-TR	108			UDE-SL1201	8/2/2012	
1225015-23	B121108	Se-SW-RP-ICPMS-TR	109			UDE-SL1201	8/2/2012	
1225015-23	B121108	As-SW-RP-ICPMS-TR	110			UDE-SL1201	8/2/2012	
1225015-24	B121108	Tl-SW-RP-ICPMS-TR	111			UDE-SL1201	8/2/2012	
1225015-24	B121108	Se-SW-RP-ICPMS-TR	112			UDE-SL1201	8/2/2012	
1225015-24	B121108	As-SW-RP-ICPMS-TR	113			UDE-SL1201	8/2/2012	
1225015-25	B121108	Tl-SW-RP-ICPMS-TR	114			UDE-SL1201	8/2/2012	
1225015-25	B121108	Se-SW-RP-ICPMS-TR	115			UDE-SL1201	8/2/2012	
1225015-25	B121108	As-SW-RP-ICPMS-TR	116			UDE-SL1201	8/2/2012	
1200490-CCV6	1200490	QC	117	1225010	-			
1200490-CCB6	1200490	QC	118		-			
1225015-26	B121108	Tl-SW-RP-ICPMS-TR	119			UDE-SL1201	8/2/2012	
1225015-26	B121108	Se-SW-RP-ICPMS-TR	120			UDE-SL1201	8/2/2012	
1225015-26	B121108	As-SW-RP-ICPMS-TR	121			UDE-SL1201	8/2/2012	
1225015-27	B121108	Tl-SW-RP-ICPMS-TR	122			UDE-SL1201	8/2/2012	
1225015-27	B121108	Se-SW-RP-ICPMS-TR	123			UDE-SL1201	8/2/2012	
1225015-27	B121108	As-SW-RP-ICPMS-TR	124			UDE-SL1201	8/2/2012	
1222027-01RE1	B121108	Sb-SW-RP-ICPMS-TR	125			REI-WS1201	6/25/2012	From B120979 by CMC on 06/25/12
1222027-01RE1	B121108	As-SW-RP-ICPMS-TR	126			REI-WS1201	6/25/2012	From B120979 by CMC on 06/25/12
1222027-01RE1	B121108	Ag-SW-RP-ICPMS-TR	127			REI-WS1201	6/25/2012	From B120979 by CMC on 06/25/12
1222027-04RE1	B121108	Sb-SW-RP-ICPMS-TR	128			REI-WS1201	6/25/2012	From B120979 by CMC on 06/25/12
1222027-04RE1	B121108	As-SW-RP-ICPMS-TR	129			REI-WS1201	6/25/2012	From B120979 by CMC on 06/25/12
1222027-04RE1	B121108	Ag-SW-RP-ICPMS-TR	130			REI-WS1201	6/25/2012	From B120979 by CMC on 06/25/12

ANALYSIS SEQUENCE

1200490

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1222027-07RE1	B121108	Sb-SW-RP-ICPMS-TR	131			REI-WS1201	6/25/2012	From B120979 by CMC on 06/25/12
1222027-07RE1	B121108	As-SW-RP-ICPMS-TR	132			REI-WS1201	6/25/2012	From B120979 by CMC on 06/25/12
1222027-07RE1	B121108	Ag-SW-RP-ICPMS-TR	133			REI-WS1201	6/25/2012	From B120979 by CMC on 06/25/12
1200490-CCV7	1200490	QC	134	1225009	-			
1200490-CCB7	1200490	QC	135		-			
1222027-10RE1	B121108	Sb-SW-RP-ICPMS-TR	136			REI-WS1201	6/25/2012	From B120979 by CMC on 06/25/12
1222027-10RE1	B121108	As-SW-RP-ICPMS-TR	137			REI-WS1201	6/25/2012	From B120979 by CMC on 06/25/12
1222027-10RE1	B121108	Ag-SW-RP-ICPMS-TR	138			REI-WS1201	6/25/2012	From B120979 by CMC on 06/25/12
1222027-10RE1	B121108	Se-SW-RP-ICPMS-TR	139			REI-WS1201	1/1/1980	BatchQC
1222027-10RE1	B121108	Tl-SW-RP-ICPMS-TR	140			REI-WS1201	1/1/1980	BatchQC
B121108-DUP3	B121108	QC	141		1222027-10RE1			
B121108-MS3	B121108	QC	142		1222027-10RE1			
1222027-13RE1	B121108	Sb-SW-RP-ICPMS-TR	143			REI-WS1201	6/25/2012	From B120979 by CMC on 06/25/12
1222027-13RE1	B121108	As-SW-RP-ICPMS-TR	144			REI-WS1201	6/25/2012	From B120979 by CMC on 06/25/12
1222027-13RE1	B121108	Ag-SW-RP-ICPMS-TR	145			REI-WS1201	6/25/2012	From B120979 by CMC on 06/25/12
1222005-01RE1	B121108	Sb-SW-RP-ICPMS-TR	146			TST-IR1201	6/21/2012	From B120979 by CMC on 06/25/12
1222005-01RE1	B121108	As-SW-RP-ICPMS-TR	147			TST-IR1201	6/21/2012	From B120979 by CMC on 06/25/12
1222005-01RE1	B121108	Ag-SW-RP-ICPMS-TR	148			TST-IR1201	6/21/2012	From B120979 by CMC on 06/25/12
B121108-MS5	B121108	QC	149		0944029-89			
B121108-BS2	B121108	QC	150		-			
1200490-CCV8	1200490	QC	151	1225009	-			
1200490-CCB8	1200490	QC	152		-			
B121029-BLK1	B121029	QC	153		-			
B121029-BLK2	B121029	QC	154		-			
B121029-BLK3	B121029	QC	155		-			
B121029-BLK4	B121029	QC	156		-			

ANALYSIS SEQUENCE

1200490

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B121029-BS1	B121029	QC	157		-			
B121029-SRM1	B121029	QC	158		-			
1224003-01	B121029	Pb-S-HFBoilOff-ICPMS	159			TPC-BR1201	7/3/2012	Glass
1224003-01	B121029	Cd-S-HFBoilOff-ICPMS	160			TPC-BR1201	7/3/2012	Glass
1224003-02	B121029	Pb-S-HFBoilOff-ICPMS	161			TPC-BR1201	7/3/2012	Glass
1224003-02	B121029	Cd-S-HFBoilOff-ICPMS	162			TPC-BR1201	7/3/2012	Glass
1224003-03	B121029	Pb-S-HFBoilOff-ICPMS	163			TPC-BR1201	7/3/2012	Glass
1224003-03	B121029	Cd-S-HFBoilOff-ICPMS	164			TPC-BR1201	7/3/2012	Glass
1224003-04	B121029	Pb-S-HFBoilOff-ICPMS	165			TPC-BR1201	7/3/2012	Glass
1224003-04	B121029	Cd-S-HFBoilOff-ICPMS	166			TPC-BR1201	7/3/2012	Glass
1200490-CCV9	1200490	QC	167	1225009	-			
1200490-CCB9	1200490	QC	168		-			
1224003-05	B121029	Pb-S-HFBoilOff-ICPMS	169			TPC-BR1201	7/3/2012	Glass
1224003-05	B121029	Cd-S-HFBoilOff-ICPMS	170			TPC-BR1201	7/3/2012	Glass
1224003-06	B121029	Pb-S-HFBoilOff-ICPMS	171			TPC-BR1201	7/3/2012	Glass
1224003-06	B121029	Cd-S-HFBoilOff-ICPMS	172			TPC-BR1201	7/3/2012	Glass
1224003-07	B121029	Pb-S-HFBoilOff-ICPMS	173			TPC-BR1201	7/3/2012	Glass
1224003-07	B121029	Cd-S-HFBoilOff-ICPMS	174			TPC-BR1201	7/3/2012	Glass
1224003-08	B121029	Pb-S-HFBoilOff-ICPMS	175			TPC-BR1201	7/3/2012	Glass
1224003-08	B121029	Cd-S-HFBoilOff-ICPMS	176			TPC-BR1201	7/3/2012	Glass
1224003-09	B121029	Pb-S-HFBoilOff-ICPMS	177			TPC-BR1201	7/3/2012	Glass
1224003-09	B121029	Cd-S-HFBoilOff-ICPMS	178			TPC-BR1201	7/3/2012	Glass
B121029-DUP1	B121029	QC	179		1224003-09			
B121029-MS1	B121029	QC	180		1224003-09			
B121029-MSD1	B121029	QC	181		1224003-09			
1200490-CCVA	1200490	QC	182	1225009	-			

ANALYSIS SEQUENCE

1200490

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200490-CCBA	1200490	QC	183		-			
1224003-10	B121029	Pb-S-HFBoilOff-ICPMS	184			TPC-BR1201	7/3/2012	Glass
1224003-10	B121029	Cd-S-HFBoilOff-ICPMS	185			TPC-BR1201	7/3/2012	Glass
B121029-DUP2	B121029	QC	186		1224003-10			
B121029-MS2	B121029	QC	187		1224003-10			
B121029-MSD2	B121029	QC	188		1224003-10			
1224003-11	B121029	Pb-S-HFBoilOff-ICPMS	189			TPC-BR1201	7/3/2012	Glass
1224003-11	B121029	Cd-S-HFBoilOff-ICPMS	190			TPC-BR1201	7/3/2012	Glass
1224003-12	B121029	Pb-S-HFBoilOff-ICPMS	191			TPC-BR1201	7/3/2012	Glass
1224003-12	B121029	Cd-S-HFBoilOff-ICPMS	192			TPC-BR1201	7/3/2012	Glass
1200490-CCVB	1200490	QC	193	1225009	-			
1200490-CCBB	1200490	QC	194		-			

ICP-MS Analysis Benchsheet Batch No: B121134-B121108-B121029
B121141

BR-0060 standard / DRC mode (circle one)

Analyst: TMU Date: 6/29/2012

Instrument ID: ICP-MS-1-2 TMU 6/29/12 cHNO3 ID: 1220050 cHCl ID: NA

Calibration recorded in LIMS Int Std: 1213014 SEQ: 1200490

A/S #	Batch	Sample ID	Dilution	Comments
1		warm up		
1		warm up		
1		warm up		
1		SEQ-ICB1		
2		SEQ-CAL1		1225013
3		SEQ-CAL2		1225012
4		SEQ-CAL3		1225011
5		SEQ-CAL4		1225010
6		SEQ-CAL5		1225009
7		SEQ-CAL6		1225008
8		SEQ-CAL7		1225007
9		SEQ-CAL8		1225006
1		SEQ-ICB2		
10		SEQ-ICV1		1226014
1		SEQ-ICB3		
101		SEQ-IBL1		
102		SEQ-IBL2		
103		SEQ-IBL3		
104		SEQ-IBL4		
105		SEQ-SCV1	5x	NIST 1643e 1202032 or 1215030
5		SEQ-CCV1		1225010
1		SEQ-CCB1		
106	B121134	B121134-BLK1		
107	B121134	B121134-BLK2		
108	B121134	B121134-BLK3		
109	B121134	B121134-BLK4		
110	B121134	B121134-BS1		
5		SEQ-CCV2		1225010
1		SEQ-CCB2		
111	B121134	1226019-12		
112	B121134	1226019-11		
113	B121134	1226019-10		
114	B121134	1226019-09		
115	B121134	B121134-DUP1		1226019-09
116	B121134	B121134-MS1		50uL 1210062 to 5 mL
117	B121134	B121134-MSD1		50uL 1210062 to 5 mL
5		SEQ-CCV3		1225010
1		SEQ-CCB3		
201	B121108	B121108-BLK1	5X	

202	B121108	B121108-BLK2	5X	
203	B121108	B121108-BLK3	5X	
204	B121108	B121108-BLK4	5X	
205	B121108	0944029-89	5X	
206	B121108	B121108-MS4	5X	
207	B121108	B121108-BS1	5X	
208	B121108	B121108-SRM1	5X	
209	B121108	1225015-01	5X	
210	B121108	B121108-DUP1	5X	
5		SEQ-CCV4		1225010
1		SEQ-CCB4		
211	B121108	B121108-MS1	5X	
212	B121108	B121108-MSD1	5X	
213	B121108	1225015-02	5X	
214	B121108	1225015-11	5X	
215	B121108	1225015-12	5X	
216	B121108	1225015-13	5X	
217	B121108	1225015-14	5X	
218	B121108	1225015-16	5X	
219	B121108	1225015-17	5X	
220	B121108	1225015-18	5X	
5		SEQ-CCV5		1225010
1		SEQ-CCB5		
221	B121108	1225015-19	5X	
222	B121108	1225015-20	5X	
223	B121108	1225015-21	5X	
224	B121108	B121108-DUP2	5X	
225	B121108	B121108-MS2	5X	
226	B121108	B121108-MSD2	5X	
227	B121108	1225015-22	5X	
228	B121108	1225015-23	5X	
229	B121108	1225015-24	5X	
230	B121108	1225015-25	5X	
5		SEQ-CCV6		1225010
1		SEQ-CCB6		
231	B121108	1225015-26	5X	
232	B121108	1225015-27	5X	
233	B121108	1222027-01RE1	5X	
234	B121108	1222027-04RE1	5X	
235	B121108	1222027-07RE1	5X	
6		SEQ-CCV7		1225009
1		SEQ-CCB7		
236	B121108	1222027-10RE1	5X	
237	B121108	B121108-DUP3	5X	
238	B121108	B121108-MS3	5X	
239	B121108	1222027-13RE1	5X	
240	B121108	1222005-01RE1	5X	
241	B121108	B121108-MS5	5X	
242	B121108	B121108-BS2	5X	
6		SEQ-CCV8		1225009
1		SEQ-CCB8		
301	B121029	B121029-BLK1	50X	

302	B121029	B121029-BLK2	50X	
303	B121029	B121029-BLK3	50X	
304	B121029	B121029-BLK4	50X	
305	B121029	B121029-BS1	50X	
306	B121029	B121029-SRM1	50X	
307	B121029	1224003-01	50X	
308	B121029	1224003-02	50X	
309	B121029	1224003-03	50X	
310	B121029	1224003-04	50X	
6		SEQ-CCV9		1225009
1		SEQ-CCB9		
311	B121029	1224003-05	50X	
312	B121029	1224003-06	50X	
313	B121029	1224003-07	50X	
314	B121029	1224003-08	50X	
315	B121029	1224003-09	50X	
316	B121029	B121029-DUP1	50X	
317	B121029	B121029-MS1	50X	
318	B121029	B121029-MSD1	50X	
6		SEQ-CCVA		1225009
1		SEQ-CCBA		
319	B121029	1224003-10	50X	
320	B121029	B121029-DUP2	50X	
321	B121029	B121029-MS2	50X	
322	B121029	B121029-MSD2	50X	
323	B121029	1224003-11	50X	
324	B121029	1224003-12	50X	
6		SEQ-CCVB		1225009
1		SEQ-CCBB		
325	B121141	B121141-BLK1		
326	B121141	B121141-BLK2		
327	B121141	B121141-BLK3		
328	B121141	B121141-BLK4		
329	B121141	B121141-BS1		
330	B121141	1223022-04RE1	2X	
331	B121141	1223022-03RE1	2X	
332	B121141	B121141-DUP1	2X	1223022-03RE1
333	B121141	B121141-MS1	2X	1mL 1210062 to 5 mL
334	B121141	B121141-MSD1	2X	1mL 1210062 to 5 mL
6		SEQ-CCVC		1225009
1		SEQ-CCBC		
401		CASS	50X	
402		SLEW	50X	
434		RINSE		
434		RINSE		
434		RINSE		
434		RINSE		
434		RINSE		
434		RINSE		
434		RINSE		

← I.S. on [illegible] - miss injected (row 323)

Not calibrated for Cu do not use (rows 325–334)

MED 7/2/12

Sample Characteristics Log (Soil/Sediment)

6/13/12

(BR-0106 Rev_____)

Batch(es): B121029 **Initials:** CLE **Date:** 6/13/12

~~Key: Rock = Rk, Sand = Sd, Silt = St, Clay = Cl, Organic Matter = OM~~

Write a 1 – 10 (indicating approximate ~~percentage of constituent) below each descriptor. The~~ numbers should always add ~~up to 10. For example Rk 2, Sd 5, OM 3~~

CLE 6/13/12

Sample ID	Decanted	Matrix (1 – 10) CLE 6/13/12 Rk	Sd	St	Cl	OM	Comments Color, odor, homogeneity, rock size, etc.
1224003-01							several clear pieces w/ label printed. thickness = 3mm
-02							several clear very green pieces between 1cm²-4cm². glass thickness/width = 3mm.
-03							several clear moss (brownish tint) green pieces, area ≅ 1cm² - 3cm² width = 3mm
-04							single circular glass piece, bluish tint. width = 9mm. d = 3.9cm.
-05							several light green pieces. width = 2mm
-06							several light green pieces. width = 2mm.
-07							several light green pieces, width = 2mm. One piece width = 5 mm
-08							several light green moss-hue. width = 2mm.
-09							several light green pieces, width = 3mm. One piece, width = 4/m
-10							several moss green pieces w/ brownish tint. width = 3mm.
-11							single oval piece. opaque faces. Bluish tint. Long d = 1.6mm. Short d = 1.4mm.
-12							single circular piece. opaque faces. d = 1.35cm.
Following digestion in Brew 1224003 -01							several small white opaque pieces still exist
-02							single small opaque green piece still exists w/ thick, cloudy
-03							single small opaque greyish piece several small opaque white pieces
-04							several very small opaque white pieces. cloudy sl
-05							several very small opaque white pieces
-06							a few small grey pieces, several very small white
-07							several small white pieces
-08							" "
-09							single opaque green, a few small white
-10							
-11							
-12							
DUP1							several very small white, cloudy
MS1							single green, several very small white
MSD1							several very small white, cloudy
DUP2							
MS2							
MSD2							

Comments: All samples are glass. For masses, see sample homog. log. (B12J038)

Trace Metals Method BR-0068 Rev_____ (ICP-MS)

Solid Sample Preparation by Oven Bomb Digestion

Digestion by: HF / HNO_3 / HCl

Batch #: B121029

Matrix: glass

Prepared By: CCE

Balance ID: BL-03, BL-01, BL-07

Preparation Date and Time*: 6/14/12 1320

Date and Time of Finished Preparation: 6/18/12 1745

* Time is when the first reagents are added.

Beaker #	Bomb #	Sample ID	Bomb Mass (g)	Sample Mass (g)	Bomb Mass Pre-oven (g)	Bomb Mass Post-oven (g)
1	212	BLK1	132.14	—	151.90	151.426
2	339	BLK2	131.01	—	150.77	150.412
3	231	BLK3	132.15	—	151.89	151.547
4	278	BLK4	131.10	—	150.83	150.397
5	237	BS1	132.06	—	151.96	151.593
6	336	SRM1	132.10	0.254	152.08	151.636
		~~SRM2~~ ce 6/14/12				
7	284	1224003-01	131.76	0.598	152.09	151.754
8	213	-02	132.30	0.577	152.54	152.224
9	108	-03	120.11	0.632	140.49	140.031
10	221	-04	132.32	0.612	152.33	151.953
11	332	-05	129.72	0.529	149.89	149.497
12	~~270~~ 290	-06	131.63	0.523	151.72	151.025
13	243	-07	132.08	0.571	152.31	151.615
14	299	1224003-08	130.97	0.530	151.17	148.921
15	203	-09	132.35	0.545	152.63	152.224
16	207	DUP1	132.58	0.503	152.75	152.304
17	211	MS1	132.63	0.509	153.03	152.668
18	218	MSD1	131.82	0.588	152.22	151.832
19	214	1224003-10	131.63	0.509	151.80	151.393
20	344	DUP2	129.65	0.591	149.90	149.537
21	223	MS2	132.28	0.568	152.68	152.299
22	300	MSD2	132.09	0.552	152.46	152.116
23	210	1224003-11	132.34	0.251	152.26	151.730
24	022	-12	132.10	0.256	151.89	151.416
		ce 6/14/12				

(Margin marks: "○ ★" beside beakers 7–13; "■ ○ Δ" beside beakers 14–24.)

NOTE: The % Sample Loss must be calculated for each bomb before passing the sample preparations on for analysis. Warning Limit is 5.0% sample loss / Control Limit is 10.0% sample loss.

Sample ID	Spike ID	Spike Added (mL)	Analyte/Concentration
BS1, MS/MSD1-2	1216070	0.025	Cd 10ppm
↓	1216056	0.125	Pb 10ppm

Spike Witness Initials / Date: TMU 6/14/12

Environ. Express tube lot #:

SRM-Matrix-LIMS ID#: SRM1-NIST 2709a-0919050

Reagents Added (ID/Amount Added)

1) ~~1mL~~ ce 6/14/12 3mL HCl (1051060) 2) 12mL 4:1 HNO_3:HF (1142014) 3)

Final Dilution Volume: **50 mL**

Balance ID: BL-03, BL-01

Oven ID: OV-06

Target Digestion Temp: 130 °C

Target HF Boil-Off Temp: 200 °C

Digestion Temp*/Date/Time: In: 6/15/12 0845 M:130 C:129°C Out: Timer set for 18hrs

Thermometer ID: 010398

Hotplate# A HF Boil-Off Temp*: M:203°C Date/Time On: 6/18/12 1040 Off: 6/18/12 1745

Hotplate# B HF Boil-Off Temp*: M:190°C Date/Time On: " " Off: " " "

Thermometer ID: 112008303

*** Both measured and corrected temperatures must be recorded. Record the measured temperature first and then the corrected temperature.**

Comments: ★ bomb previously over cranked. Difficult to close. Bomb mass post oven weighed on BL-07

○: see sample characteristics log for desc. of samples pre + post digestion ~~see "bomb" log for initial~~ ce 6/18/12

■: >10% lost during digestion. Δ: ~5mL lost ('spilled') during boil-off.

B121029
HF boiloff

Samples spiked:

Element	Target Conc. (mg/kg)	vol to spike directly to **0.5g sample**	ppm	LIMS ID
Cd	0.500	0.0250	10	1216070
Pb	2.500	0.1250	10	1216056

Batch:	B121029		Date:	6/18/2012	Warning level:	5%
Analyst:	CCE				Control Limit:	10%

Sample ID	Empty Bomb + Lid (g)	Bomb + Sample pre-oven (g)	Bomb + Sample post-oven (g)	Sample Loss %	OK?	Comments
BLK1	132.140	151.900	151.426	2.4%	y	
BLK2	131.010	150.770	150.412	1.8%	y	
BLK3	132.150	151.890	151.547	1.7%	y	
BLK4	131.100	150.830	150.397	2.2%	y	
BS1	132.060	151.960	151.593	1.8%	y	
SRM1	132.100	152.080	151.636	2.2%	y	
1224003-01	131.760	152.090	151.754	1.7%	y	
1224003-02	132.300	152.540	152.224	1.6%	y	
1224003-03	120.110	140.490	140.031	2.3%	y	
1224003-04	132.320	152.330	151.953	1.9%	y	
1224003-05	129.720	149.890	149.497	1.9%	y	
1224003-06	131.630	151.720	151.025	3.5%	y	
1224003-07	132.000	152.310	151.615	3.4%	y	
1224003-08	130.970	151.170	148.921	11.1%	n	
1224003-09	132.350	152.630	152.224	2.0%	y	
B121029 DUP1	132.580	152.750	152.304	2.2%	y	
B121029 MS1	132.630	153.030	152.668	1.8%	y	
B121029 MSD1	131.820	152.220	151.832	1.9%	y	
1224003-10	131.630	151.800	151.393	2.0%	y	
B121029 DUP2	129.650	149.900	149.537	1.8%	y	
B121029 MS2	132.280	152.680	152.299	1.9%	y	
B121029 MSD2	132.090	152.460	152.116	1.7%	y	
1224003-11	132.340	152.260	151.730	2.7%	y	
1224003-12	132.100	151.890	151.416	2.4%	y	

Trace Metals Method BR-0065 Rev ___ (ICP-MS)

1% Nitric Acid Digestion

Batch #(s): B121154

Page 1 of 1

Workorder #(s): 1226019

Preparation Date and Time*: 6/28/12 S 1250

Prepared By: TMM

Date and Time of Finished Preparation: S 1250 TMM 6/28 6/29/12 1150

* Time is when the first reagents are added.

Sample ID	Sample Vol.(mL)	Acid Added (mL)
BLK1	—	—
BLK2	1	
BLK3	1	
BLK4	1	
BS1	1	
1226019-09 A	1.25	1.25
B	1	
C	1	
D	1	
1226019-10 A	1	
B	1	
C	1	
D	1	
1226019-11	1	
1226019-12		

Sample ID	Sample Vol.(mL)	Acid Added (mL)

TMM 6/28/12

Balance ID: BL-01

Oven ID: OV-05

HNO_3 ID: 122050

Bottle lot #: 12-157

Target Oven Temperature: 85°C

Time/Temp* In: 650 615

Time/Temp* Out: 910 1130

Thermometer ID: BR-01

*** Both measured and corrected temperatures must be recorded.**

circle 125mL or 250mL	standard	mL to add to 125mL bottle	mL to add to 250mL bottle	LIMS ID
BS1	ML-1	2.5	5	1210062
	0.02 ppm Ag	2.5	5	
	0.02 ppm Sb	2.5	5	
	0.10 ppm Sn	2.5	5	
	1 ppm Y	1.25	2.5	

Spike Witness Initials/Date: N/A

Comments: _____

Trace Metals Method BR-0066 Rev___ (ICP-MS)
Sea Water Sample Preparation by Reductive Co-Precipitation

Batch #(s): B121108 Page 1 of 2

Balance ID: BL-01 Preparation Date and Time*: 6/26/12 1530

Filtration Date: 6/27/12 Date and Time of Finished Preparation: 6/27/12 1550

Filtered By: CCE Prepared By: CCE

* Time is when the first reagents are added.

#	Sample ID	Sample Volume (mL)
1	BLK1	200.39
2	BLK2	200.60
3	BLK3	200.19
4	BLK4	200.26
5	0944029-89	200.84
6	MS 3rd 24/12 4	200.80
7	BS1	200.59
8	SRM1 (SLEW-3)	200.80
9	1225015-01	40.64/200.79
10	DUP1	40.34 40.19 corrected/200.82
11	MS1	40.22/200.41
12	MSD1	40.40/200.99
13	1225015-02	40.53 40.38 corrected/200.79
14	-11	40.64/200.93
15	-12	40.97/200.87
16	-13	200.75
17	1225015-14	40.16/200.06
18	-16	40.72/200.11
19	-17	40.13/200.12
20	-18	40.80 40.19 corrected/200.71
21	-19	40.80/200.95
22	-20	40.04 40.20 corrected/200.60
23	-21	40.45/200.69
24	DUP2	40.16 40.74 corrected/200.20
25	MS2	40.26/200.53
26	MSD2	40.07/200.06
27	1225015-22	40.18/200.06
28	-23	40.64/200.05
29	-24	40.39/200.07
30	-25	40.13 40.39 corrected/200.39
31	-26	40.25 40.91 corrected/200.39
32	-27	40.70/200.86

Sample ID	Spike ID	Vol. Added (mL)	Analyte/Concentration
BS1, ~~MS1-3~~ MS4, MSD1-2	1226002	0.020	B121108 spike mix
BS2, ~~MS1~~ MS5, MS3	1216012	0.020	Ag 2ppm
	1202008	0.020	As 10ppm
	1212064	0.060	Sb 1 ppm

take spike 1226002

Spike Witness Initials/Date: ~~TMA~~ MEL 6/25/12 ~~6/05/12~~ MEL 6/25/12

Bottle lot: 12-133 SRM-Matrix-ID: SRM1-SLEW-3-1220064 HNO_3 ID: 1220050

$NaBH_4$ ID: 1211005 NH_4OH ID: 1211019 Filter Lot #: 183960

H_2O_2 ID: 1107099 Fe/Pd/La/Te ID: 1212026 Final Dilution Vol.: 10mL

Target Digestion Temps/Times: **120 °C for 5 minutes x 2** then **150 °C for 15-20 minutes**

Digestion Temperatures*/Times: C:116°C M:117°C 1425/1430 then C:147°C M:118°C 1445/1450 then C:145°C M:146°C 1535/1550

Thermometer ID: 010396

*** Both measured and corrected temperatures must be recorded.**

Comments: Δ: samples from Great Salt Lake, prepped at 5x dln.
★: sample turned light brown following addition of RP reagent
●: squirt of 5% HNO_3 entered sample during filtration (<5mL).

NOTE: All samples have been adjusted to a pH of 9 prior to filtration as described in BRL SOP BR-0066 and verified by pH paper. Any sample requiring more or less adjustment than described in the SOP has been noted with a full description of how it differed from the other samples.

Trace Metals Method BR-0066 Rev_002_ (ICP-MS)
Sea Water Sample Preparation by Reductive Co-Precipitation

Batch #(s): B121108 Balance ID: BL-01

Filtration Date: Preparation Date / Time*: 6/25/12 1530

Filtered By: Prepared By: CCE

* Time is when the first reagents are added.

	#	Sample ID	Sample Volume (mL)
†	33	1222027-01RE1	200.77
†	34	-04RE1	200.66
	35	-07RE1	200.55
†	36	-10RE1	200.09
	37	DUP3	200.52
	38	MS3	200.81
	39	1222027-13RE1	200.05
†	40	1222005-01RE1	192.78/200.10
*	41	MS5	200.02
	42	BS2	200.67
	~~43~~		
	44		
	45		
	46		
	47		
	48		
	49		
	50		
	51		
	52		
	53		
	54		
	~~55~~		

#	Sample ID	Sample Volume (mL)
~~56~~		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
~~78~~		

6/25/12

6/25/12

* Native SW MS
†: Sample exhausted

B121108
RP

Samples spiked: BS1, MS1-2, MS4, MSD1-2

Element	Conc. (µg/L)	spike conc w/ **0.02mL spike vol** and **40mL sample**	mL from stock into **10mL tube**	ppm	LIMS ID
As	125.0	250.000	2.5000	1000	1103018
Se	2.000	4.000	0.4000	**100**	1212072
Tl	0.100	0.200	0.2000	**10**	1216087

Spike mix ID: 1226002

Add 6.9mL 1% HNO3

Samples spiked: BS2, MS3, MS5

Element	Conc. (µg/L)	vol to spike directly to **200mL sample**	ppm	LIMS ID
Ag	0.200	0.0200	2	1216092
As	1.000	0.0200	10	1209008
Sb	0.300	0.0600	1	1212064

Fake spike ID: 1226005

Sample Information

Report Title: QUANTITATIVE ANALYSIS REPORT
Batch ID:
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025
Tuning File: C:\Elandata\Tuning\Default.tun
Optimization File: C:\Elandata\Optimize\Default.dac
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Calibration Type: External Calibration

Calibration

	Analyte	Mass	Curve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
>	Ge	74	Weighted Linear				
	As	75	Weighted Linear	0.010	-0.000	0.999409	0.200000
	As-1	75	Weighted Linear	0.010	-0.000	0.998696	0.200000
	Se	77	Weighted Linear	0.000	0.000	0.999747	0.200000
	Se	82	Weighted Linear	0.000	-0.000	0.999841	0.200000
	Ag	107	Weighted Linear	0.004	-0.000	0.999739	0.020000
	Ag	109	Weighted Linear	0.004	-0.000	0.999842	0.020000
	Cd	111	Weighted Linear	0.001	-0.000	0.999745	0.010000
	Cd	114	Weighted Linear	0.002	-0.000	0.999225	0.010000
>	In	115	Weighted Linear				
	Sb	121	Weighted Linear	0.003	-0.000	0.999595	0.020000
>	Tm	169	Weighted Linear				
	Tl	205	Weighted Linear	0.012	0.000	0.999712	0.010000
	Pb	208	Weighted Linear	0.016	0.000	0.999448	0.025000

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB1
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 14:51:52
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74		295721	7218	2.4			ug/L
	As	75		-110	58	52.5			ug/L
	As-1	75		11128	145	1.3			ug/L
	Se	77		137	10	7.1			ug/L
	Se	82		11	7	61.8			ug/L
	Ag	107		303	17	5.5			ug/L
	Ag	109		321	8	2.5			ug/L
	Cd	111		21	4	20.8			ug/L
	Cd	114		101	3	3.4			ug/L
>	In	115		4024282	45536	1.1			ug/L
	Sb	121		29	2	6.0			ug/L
>	Tm	169		1960321	11703	0.6			ug/L
	Tl	205		13	6	42.6			ug/L
	Pb	208		132	10	7.6			ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
>	Tm	169	
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL1
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 14:53:37
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CAL1.026
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	298353	2451	0.8	298353.311031		ug/L
	As	75	-110	453	30	6.7	0.001891	**0.2035**	ug/L
	As-1	75	11128	11702	174	1.5	0.001592	**0.1926**	ug/L
	Se	77	137	180	6	3.4	0.000011	**0.2005**	ug/L
	Se	82	11	57	12	20.6	0.000011	**0.2016**	ug/L
	Ag	107	303	602	27	4.4	0.000073	**0.0201**	ug/L
	Ag	109	321	581	21	3.6	0.000064	**0.0198**	ug/L
	Cd	111	21	52	3	6.2	0.000008	**0.0098**	ug/L
	Cd	114	101	170	24	14.3	0.000017	**0.0096**	ug/L
>	In	115	4024282	4048889	42281	1.0	4048889.164057		ug/L
	Sb	121	29	246	25	10.0	0.000054	**0.0205**	ug/L
>	Tm	169	1960321	1986702	68853	3.5	1986702.013313		ug/L
	Tl	205	13	270	14	5.3	0.000129	**0.0100**	ug/L
	Pb	208	132	958	28	2.9	0.000416	**0.0251**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
>	Tm	169	
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL2
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 14:55:22
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CAL2.027
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	293721	5435	1.9	293721.233161		ug/L
	As	75	-110	989	61	6.2	0.003738	**0.3865**	ug/L
	As-1	75	11128	12207	204	1.7	0.003937	**0.4334**	ug/L
	Se	77	137	221	4	1.8	0.000021	**0.3983**	ug/L
	Se	82	11	110	19	17.3	0.000025	**0.3937**	ug/L
	Ag	107	303	904	24	2.7	0.000149	**0.0396**	ug/L
	Ag	109	321	913	30	3.3	0.000147	**0.0409**	ug/L
	Cd	111	21	92	20	22.3	0.000018	**0.0208**	ug/L
	Cd	114	101	272	9	3.4	0.000042	**0.0216**	ug/L
>	In	115	4024282	4033565	29798	0.7	4033564.724283		ug/L
	Sb	121	29	443	34	7.6	0.000103	**0.0380**	ug/L
>	Tm	169	1960321	1954192	24409	1.2	1954192.003243		ug/L
	Tl	205	13	503	9	1.7	0.000251	**0.0200**	ug/L
	Pb	208	132	1695	21	1.2	0.000800	**0.0491**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
>	Tm	169	
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL3
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 14:57:07
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 4

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CAL3.028
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	299725	3134	1.0	299725.147023		ug/L
	As	75	-110	5701	138	2.4	0.019393	**1.9374**	ug/L
	As-1	75	11128	16676	154	0.9	0.018016	**1.8792**	ug/L
	Se	77	137	552	30	5.3	0.000103	**1.9781**	ug/L
	Se	82	11	559	27	4.9	0.000136	**1.9880**	ug/L
	Ag	107	303	3456	55	1.6	0.000780	**0.2028**	ug/L
	Ag	109	321	3452	22	0.6	0.000774	**0.2010**	ug/L
	Cd	111	21	379	32	8.3	0.000088	**0.0991**	ug/L
	Cd	114	101	944	20	2.1	0.000208	**0.0999**	ug/L
>	In	115	4024282	4042010	16998	0.4	4042009.916309		ug/L
	Sb	121	29	2247	19	0.8	0.000549	**0.1979**	ug/L
>	Tm	169	1960321	1945160	13031	0.7	1945159.721094		ug/L
	Tl	205	13	2458	24	1.0	0.001257	**0.1029**	ug/L
	Pb	208	132	8290	137	1.6	0.004195	**0.2611**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
>	Tm	169	
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL4
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 14:58:52
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CAL4.029
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	289075	1684	0.6	289075.216055		ug/L
	As	75	-110	15326	533	3.5	0.053393	**5.3055**	ug/L
	As-1	75	11128	25445	576	2.3	0.050399	**5.2047**	ug/L
	Se	77	137	2253	112	5.0	0.000526	**10.1508**	ug/L
	Se	82	11	2889	151	5.2	0.000716	**10.3286**	ug/L
	Ag	107	303	16277	395	2.4	0.003970	**1.0283**	ug/L
	Ag	109	321	16187	378	2.3	0.003944	**1.0092**	ug/L
	Cd	111	21	1868	77	4.1	0.000459	**0.5078**	ug/L
	Cd	114	101	4369	9	0.2	0.001061	**0.5021**	ug/L
>	In	115	4024282	4023441	48537	1.2	4023440.621850		ug/L
	Sb	121	29	11124	320	2.9	0.002758	**0.9896**	ug/L
>	Tm	169	1960321	1939484	29873	1.5	1939483.863007		ug/L
	Tl	205	13	6055	71	1.2	0.003115	**0.2561**	ug/L
	Pb	208	132	80447	2871	3.6	0.041403	**2.5844**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
>	Tm	169	
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL5
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 15:00:37
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CAL5.030
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	296077	3356	1.1	296076.855013		ug/L
	As	75	-110	29671	232	0.8	0.100592	**9.9812**	ug/L
	As-1	75	11128	39030	642	1.6	0.094192	**9.7019**	ug/L
	Se	77	137	4508	114	2.5	0.001075	**20.7501**	ug/L
	Se	82	11	5662	78	1.4	0.001391	**20.0357**	ug/L
	Ag	107	303	32191	368	1.1	0.007847	**2.0314**	ug/L
	Ag	109	321	32620	195	0.6	0.007949	**2.0303**	ug/L
	Cd	111	21	3674	24	0.6	0.000899	**0.9932**	ug/L
	Cd	114	101	8667	30	0.3	0.002108	**0.9962**	ug/L
>	In	115	4024282	4063594	54383	1.3	4063594.237809		ug/L
	Sb	121	29	22587	319	1.4	0.005552	**1.9909**	ug/L
>	Tm	169	1960321	1952748	34141	1.7	1952748.186497		ug/L
	Tl	205	13	12035	89	0.7	0.006157	**0.5069**	ug/L
	Pb	208	132	158653	367	0.2	0.081198	**5.0693**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
>	Tm	169	
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL6
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 15:02:22
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 7

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CAL6.031
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	283885	2605	0.9	283885.256793		ug/L
	As	75	-110	139656	1236	0.9	0.492317	**48.7873**	ug/L
	As-1	75	11128	146400	1214	0.8	0.478076	**49.1240**	ug/L
	Se	77	137	8359	219	2.6	0.002067	**39.8991**	ug/L
	Se	82	11	10936	58	0.5	0.002746	**39.5312**	ug/L
	Ag	107	303	152305	618	0.4	0.038213	**9.8884**	ug/L
	Ag	109	321	154763	288	0.2	0.038826	**9.9035**	ug/L
	Cd	111	21	17631	60	0.3	0.004427	**4.8841**	ug/L
	Cd	114	101	41080	247	0.6	0.010302	**4.8620**	ug/L
>	In	115	4024282	3977974	18164	0.5	3977973.702422		ug/L
	Sb	121	29	44240	203	0.5	0.011114	**3.9842**	ug/L
>	Tm	169	1960321	1925282	13823	0.7	1925282.245794		ug/L
	Tl	205	13	57658	924	1.6	0.029941	**2.4674**	ug/L
	Pb	208	132	304158	1303	0.4	0.157918	**9.8599**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
>	Tm	169	
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL7
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 15:04:07
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 8

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CAL7.032
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	281511	2160	0.8	281511.382657		ug/L
	As	75	-110	287007	4359	1.5	1.019987	**101.0604**	ug/L
	As-1	75	11128	289238	3604	1.2	0.989914	**101.6860**	ug/L
	Se	77	137	20790	449	2.2	0.005165	**99.6887**	ug/L
	Se	82	11	27999	498	1.8	0.007000	**100.6971**	ug/L
	Ag	107	303	309333	3707	1.2	0.077289	**19.9993**	ug/L
	Ag	109	321	313430	2165	0.7	0.078304	**19.9700**	ug/L
	Cd	111	21	36170	173	0.5	0.009040	**9.9720**	ug/L
	Cd	114	101	84363	624	0.7	0.021075	**9.9444**	ug/L
>	In	115	4024282	3998919	47337	1.2	3998919.180983		ug/L
	Sb	121	29	114505	758	0.7	0.028628	**10.2605**	ug/L
>	Tm	169	1960321	1946036	23646	1.2	1946036.160013		ug/L
	Tl	205	13	116532	1475	1.3	0.059876	**4.9351**	ug/L
	Pb	208	132	768226	2345	0.3	0.394729	**24.6470**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
>	Tm	169	
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL8
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 15:05:52
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CAL8.033
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	277763	3349	1.2	277762.572006		ug/L
	As	75	-110	561526	7252	1.3	2.022230	**200.3468**	ug/L
	As-1	75	11128	552929	5288	1.0	1.953266	**200.6151**	ug/L
	Se	77	137	40005	339	0.8	0.010007	**193.1356**	ug/L
	Se	82	11	54524	69	0.1	0.013683	**196.7928**	ug/L
	Ag	107	303	591734	16436	2.8	0.148429	**38.4063**	ug/L
	Ag	109	321	607709	14326	2.4	0.152435	**38.8724**	ug/L
	Cd	111	21	72657	556	0.8	0.018232	**20.1089**	ug/L
	Cd	114	101	167775	768	0.5	0.042087	**19.8579**	ug/L
>	In	115	4024282	3984253	39921	1.0	3984253.061068		ug/L
	Sb	121	29	228293	2069	0.9	0.057292	**20.5328**	ug/L
>	Tm	169	1960321	1955207	14212	0.7	1955206.820237		ug/L
	Tl	205	13	228533	748	0.3	0.116880	**9.6341**	ug/L
	Pb	208	132	1487053	1921	0.1	0.760518	**47.4878**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
>	Tm	169	
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB2
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 15:07:44
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB2.034
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	288751	5055	1.8	288750.945659		ug/L
	As	75	-110	-63	38	60.1	0.000152	**0.0313**	ug/L
	As-1	75	11128	11114	153	1.4	0.000866	**0.1181**	ug/L
	Se	77	137	130	18	13.8	-0.000003	**-0.0512**	ug/L
	Se	82	11	11	8	69.9	0.000000	**0.0400**	ug/L
	Ag	107	303	700	56	8.0	0.000093	**0.0253**	ug/L
	Ag	109	321	686	48	7.0	0.000086	**0.0254**	ug/L
	Cd	111	21	21	4	17.2	-0.000000	**0.0013**	ug/L
	Cd	114	101	107	15	14.2	0.000001	**0.0019**	ug/L
>	In	115	4024282	4144778	31440	0.8	4144777.931077		ug/L
	Sb	121	29	139	20	14.4	0.000026	**0.0107**	ug/L
>	Tm	169	1960321	1972601	14344	0.7	1972600.934713		ug/L
	Tl	205	13	39	9	22.4	0.000013	**0.0004**	ug/L
	Pb	208	132	184	3	1.7	0.000026	**0.0008**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	97.643
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	102.994
	Sb	121	
>	Tm	169	100.626
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICV1
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 15:09:29
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICV1.035
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	279350	7419	2.7	279349.641182		ug/L
	As	75	-110	14713	169	1.2	0.053062	**5.2727**	ug/L
	As-1	75	11128	24722	614	2.5	0.050905	**5.2567**	ug/L
	Se	77	137	2238	50	2.3	0.000526	**10.1428**	ug/L
	Se	82	11	2783	39	1.4	0.000693	**10.0051**	ug/L
	Ag	107	303	17888	322	1.8	0.004396	**1.1385**	ug/L
	Ag	109	321	18028	182	1.0	0.004427	**1.1324**	ug/L
	Cd	111	21	1793	102	5.7	0.000443	**0.4899**	ug/L
	Cd	114	101	4295	170	4.0	0.001049	**0.4963**	ug/L
>	In	115	4024282	4000255	42339	1.1	4000255.297618		ug/L
	Sb	121	29	11525	59	0.5	0.002874	**1.0312**	ug/L
>	Tm	169	1960321	1914324	7045	0.4	1914323.875833		ug/L
	Tl	205	13	6091	92	1.5	0.003175	**0.2610**	ug/L
	Pb	208	132	81963	913	1.1	0.042748	**2.6684**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	94.464
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	99.403
	Sb	121	
>	Tm	169	97.654
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB3
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 15:11:15
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB3.036
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	294811	479	0.2	294811.322445		ug/L
	As	75	-110	-46	19	42.0	0.000216	**0.0377**	ug/L
	As-1	75	11128	11031	186	1.7	-0.000213	**0.0073**	ug/L
	Se	77	137	119	10	8.5	-0.000005	**-0.1001**	ug/L
	Se	82	11	4	7	195.6	-0.000002	**0.0132**	ug/L
	Ag	107	303	567	65	11.4	0.000062	**0.0172**	ug/L
	Ag	109	321	574	52	9.1	0.000059	**0.0186**	ug/L
	Cd	111	21	20	5	26.0	-0.000000	**0.0011**	ug/L
	Cd	114	101	110	12	11.4	0.000001	**0.0023**	ug/L
>	In	115	4024282	4129804	18808	0.5	4129804.075844		ug/L
	Sb	121	29	50	3	6.1	0.000005	**0.0031**	ug/L
>	Tm	169	1960321	1966043	22321	1.1	1966042.999456		ug/L
	Tl	205	13	21	7	31.5	0.000004	**-0.0004**	ug/L
	Pb	208	132	189	7	3.4	0.000029	**0.0009**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	99.692
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	102.622
	Sb	121	
>	Tm	169	100.292
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL1
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 15:13:01
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 101

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-IBL1.037
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	298045	4371	1.5	298044.895366		ug/L
	As	75	-110	-133	13	9.8	-0.000073	**0.0090**	ug/L
	As-1	75	11128	11005	135	1.2	-0.000700	**-0.0427**	ug/L
	Se	77	137	145	0	0.0	0.000001	**0.0187**	ug/L
	Se	82	11	-0	10	2347.2	-0.000003	**-0.0008**	ug/L
	Ag	107	303	398	8	1.9	0.000021	**0.0065**	ug/L
	Ag	109	321	421	27	6.3	0.000022	**0.0091**	ug/L
	Cd	111	21	21	1	5.6	-0.000000	**0.0012**	ug/L
	Cd	114	101	112	14	12.4	0.000002	**0.0025**	ug/L
>	In	115	4024282	4137240	9718	0.2	4137240.363471		ug/L
	Sb	121	29	48	13	27.2	0.000004	**0.0029**	ug/L
>	Tm	169	1960321	1972405	18301	0.9	1972405.323740		ug/L
	Tl	205	13	26	3	10.2	0.000006	**-0.0002**	ug/L
	Pb	208	132	175	3	1.4	0.000021	**0.0005**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	100.786
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	102.807
	Sb	121	
>	Tm	169	100.616
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL2
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 15:14:46
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 102

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-IBL2.038
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	295335	1719	0.6	295335.010571		ug/L
	As	75	-110	-82	29	35.9	0.000097	**0.0258**	ug/L
	As-1	75	11128	11127	120	1.1	0.000049	**0.0342**	ug/L
	Se	77	137	130	14	10.5	-0.000002	**-0.0406**	ug/L
	Se	82	11	15	15	97.1	0.000001	**0.0536**	ug/L
	Ag	107	303	356	11	3.0	0.000012	**0.0043**	ug/L
	Ag	109	321	371	28	7.5	0.000012	**0.0065**	ug/L
	Cd	111	21	22	6	28.2	0.000000	**0.0016**	ug/L
	Cd	114	101	104	8	8.2	0.000001	**0.0019**	ug/L
>	In	115	4024282	4052866	38600	1.0	4052866.350891		ug/L
	Sb	121	29	35	1	2.9	0.000001	**0.0018**	ug/L
>	Tm	169	1960321	1964439	7143	0.4	1964438.539260		ug/L
	Tl	205	13	22	6	24.7	0.000005	**-0.0003**	ug/L
	Pb	208	132	122	15	12.1	-0.000005	**-0.0012**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	99.869
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	100.710
	Sb	121	
>	Tm	169	100.210
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL3
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 15:16:31
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 103

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-IBL3.039
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	297270	3766	1.3	297269.960141		ug/L
	As	75	-110	-128	34	26.7	-0.000058	**0.0105**	ug/L
	As-1	75	11128	10938	34	0.3	-0.000828	**-0.0559**	ug/L
	Se	77	137	140	8	5.3	0.000000	**0.0050**	ug/L
	Se	82	11	-2	12	476.5	-0.000003	**-0.0079**	ug/L
	Ag	107	303	351	41	11.7	0.000011	**0.0038**	ug/L
	Ag	109	321	355	36	10.2	0.000007	**0.0053**	ug/L
	Cd	111	21	16	5	28.6	-0.000001	**0.0001**	ug/L
	Cd	114	101	110	2	1.9	0.000002	**0.0025**	ug/L
>	In	115	4024282	4086951	13325	0.3	4086950.958928		ug/L
	Sb	121	29	34	10	29.0	0.000001	**0.0017**	ug/L
>	Tm	169	1960321	1963520	2068	0.1	1963519.895902		ug/L
	Tl	205	13	18	6	34.7	0.000002	**-0.0005**	ug/L
	Pb	208	132	132	17	12.8	-0.000000	**-0.0009**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	100.524
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	101.557
	Sb	121	
>	Tm	169	100.163
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL4
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 15:18:16
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 104

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-IBL4.040
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	293169	3330	1.1	293169.191217		ug/L
	As	75	-110	-45	43	95.9	0.000217	**0.0377**	ug/L
	As-1	75	11128	10987	153	1.4	-0.000152	**0.0135**	ug/L
	Se	77	137	122	12	10.0	-0.000004	**-0.0753**	ug/L
	Se	82	11	22	5	20.7	0.000003	**0.0801**	ug/L
	Ag	107	303	342	20	5.8	0.000009	**0.0035**	ug/L
	Ag	109	321	343	25	7.3	0.000005	**0.0048**	ug/L
	Cd	111	21	18	3	13.7	-0.000001	**0.0007**	ug/L
	Cd	114	101	102	11	10.6	0.000000	**0.0017**	ug/L
>	In	115	4024282	4044990	43456	1.1	4044989.884897		ug/L
	Sb	121	29	28	4	14.7	-0.000000	**0.0012**	ug/L
>	Tm	169	1960321	1946108	17725	0.9	1946107.704608		ug/L
	Tl	205	13	19	6	29.4	0.000003	**-0.0004**	ug/L
	Pb	208	132	124	17	13.8	-0.000003	**-0.0011**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	99.137
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	100.515
	Sb	121	
>	Tm	169	99.275
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV1
Sample Description: 5x
Batch ID:

Sample Date/Time: Friday, June 29, 2012 15:20:01
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 105

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-SCV1.041
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	287500	5048	1.8	287499.881806		ug/L
	As	75	-110	34015	352	1.0	0.118699	**58.8755**	ug/L
	As-1	75	11128	44865	633	1.4	0.118433	**60.9566**	ug/L
	Se	77	137	650	19	2.9	0.000128	**12.3075**	ug/L
	Se	82	11	669	28	4.2	0.000164	**11.9612**	ug/L
	Ag	107	303	3144	87	2.8	0.000706	**0.9190**	ug/L
	Ag	109	321	3224	146	4.5	0.000722	**0.9375**	ug/L
	Cd	111	21	4928	58	1.2	0.001220	**6.7354**	ug/L
	Cd	114	101	11386	185	1.6	0.002806	**6.6265**	ug/L
>	In	115	4024282	4022260	14870	0.4	4022260.320566		ug/L
	Sb	121	29	129500	543	0.4	0.032189	**57.6838**	ug/L
>	Tm	169	1960321	1941115	11164	0.6	1941115.176275		ug/L
	Tl	205	13	35131	552	1.6	0.018091	**7.4532**	ug/L
	Pb	208	132	124003	1293	1.0	0.063815	**19.9196**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	97.220
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	99.950
	Sb	121	
>	Tm	169	99.020
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV1
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 15:26:54
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CCV1.042
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	294580	1501	0.5	294579.731131		ug/L
	As	75	-110	15582	464	3.0	0.053265	**5.2929**	ug/L
	As-1	75	11128	25298	365	1.4	0.048248	**4.9838**	ug/L
	Se	77	137	2258	57	2.5	0.000524	**10.1144**	ug/L
	Se	82	11	2923	55	1.9	0.000720	**10.3933**	ug/L
	Ag	107	303	16266	210	1.3	0.003946	**1.0221**	ug/L
	Ag	109	321	16545	233	1.4	0.004010	**1.0261**	ug/L
	Cd	111	21	1874	13	0.7	0.000458	**0.5067**	ug/L
	Cd	114	101	4405	28	0.6	0.001064	**0.5036**	ug/L
>	In	115	4024282	4045274	63749	1.6	4045274.247913		ug/L
	Sb	121	29	11279	210	1.9	0.002781	**0.9978**	ug/L
>	Tm	169	1960321	1946214	13076	0.7	1946214.482405		ug/L
	Tl	205	13	6203	75	1.2	0.003180	**0.2615**	ug/L
	Pb	208	132	80746	557	0.7	0.041422	**2.5856**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	99.614
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	100.522
	Sb	121	
>	Tm	169	99.280
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB1
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 15:28:40
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CCB1.043
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	291926	2416	0.8	291925.600992		ug/L
	As	75	-110	-131	40	30.3	-0.000074	**0.0089**	ug/L
	As-1	75	11128	10856	133	1.2	-0.000442	**-0.0162**	ug/L
	Se	77	137	146	7	4.5	0.000002	**0.0405**	ug/L
	Se	82	11	16	4	22.9	0.000001	**0.0565**	ug/L
	Ag	107	303	415	41	10.0	0.000027	**0.0082**	ug/L
	Ag	109	321	424	57	13.4	0.000025	**0.0099**	ug/L
	Cd	111	21	15	3	17.2	-0.000002	**-0.0003**	ug/L
	Cd	114	101	100	9	8.8	-0.000000	**0.0014**	ug/L
>	In	115	4024282	4035505	25704	0.6	4035504.625404		ug/L
	Sb	121	29	38	11	28.5	0.000002	**0.0021**	ug/L
>	Tm	169	1960321	1954950	22886	1.2	1954950.084313		ug/L
	Tl	205	13	16	4	27.2	0.000001	**-0.0006**	ug/L
	Pb	208	132	134	6	4.2	0.000001	**-0.0008**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	98.716
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	100.279
	Sb	121	
>	Tm	169	99.726
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV3
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 15:55:04
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CCV3.058
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	292236	868	0.3	292235.821968		ug/L
	As	75	-110	15203	479	3.2	0.052395	**5.2067**	ug/L
	As-1	75	11128	25183	392	1.6	0.048544	**5.0143**	ug/L
	Se	77	137	2288	66	2.9	0.000570	**11.0058**	ug/L
	Se	82	11	2878	86	3.0	0.000758	**10.9346**	ug/L
	Ag	107	303	15429	107	0.7	0.004000	**1.0362**	ug/L
	Ag	109	321	15544	47	0.3	0.004026	**1.0302**	ug/L
	Cd	111	21	1744	32	1.8	0.000455	**0.5037**	ug/L
	Cd	114	101	4187	120	2.9	0.001081	**0.5117**	ug/L
>	In	115	4024282	3785557	19779	0.5	3785557.325441		ug/L
	Sb	121	29	10611	128	1.2	0.002796	**1.0033**	ug/L
>	Tm	169	1960321	1888640	22229	1.2	1888639.699465		ug/L
	Tl	205	13	6110	93	1.5	0.003228	**0.2654**	ug/L
	Pb	208	132	79897	628	0.8	0.042239	**2.6367**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	98.821
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	94.068
	Sb	121	
>	Tm	169	96.343
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB3
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 15:56:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CCB3.059
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	280042	7684	2.7	280041.932283		ug/L
	As	75	-110	-100	38	38.3	0.000017	**0.0179**	ug/L
	As-1	75	11128	10635	169	1.6	0.000357	**0.0658**	ug/L
	Se	77	137	130	5	3.8	0.000001	**0.0228**	ug/L
	Se	82	11	-0	12	13313.9	-0.000003	**0.0011**	ug/L
	Ag	107	303	366	39	10.6	0.000024	**0.0074**	ug/L
	Ag	109	321	362	42	11.6	0.000019	**0.0083**	ug/L
	Cd	111	21	17	3	17.3	-0.000001	**0.0007**	ug/L
	Cd	114	101	97	14	13.9	0.000002	**0.0023**	ug/L
>	In	115	4024282	3677242	96319	2.6	3677242.284177		ug/L
	Sb	121	29	36	9	24.8	0.000003	**0.0023**	ug/L
>	Tm	169	1960321	1808590	28037	1.6	1808590.443891		ug/L
	Tl	205	13	13	2	11.5	0.000001	**-0.0006**	ug/L
	Pb	208	132	127	5	3.7	0.000003	**-0.0007**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	94.698
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	91.376
	Sb	121	
>	Tm	169	92.260
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121108-BLK1
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 15:58:38
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 201

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\B121108-BLK1.060
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	278509	1595	0.6	278509.266142		ug/L
	As	75	-110	15	38	245.4	0.000428	**0.2931**	ug/L
	As-1	75	11128	10331	69	0.7	-0.000533	**-0.1281**	ug/L
	Se	77	137	112	12	10.3	-0.000005	**-0.5210**	ug/L
	Se	82	11	8	10	116.3	-0.000001	**0.1569**	ug/L
	Ag	107	303	3772	74	2.0	0.000894	**1.1616**	ug/L
	Ag	109	321	2437	125	5.1	0.000546	**0.7138**	ug/L
	Cd	111	21	239	8	3.5	0.000056	**0.3167**	ug/L
	Cd	114	101	90	17	19.1	-0.000002	**0.0035**	ug/L
>	In	115	4024282	3893604	31564	0.8	3893603.585226		ug/L
	Sb	121	29	887	3	0.4	0.000221	**0.4016**	ug/L
>	Tm	169	1960321	1901190	16946	0.9	1901189.593595		ug/L
	Tl	205	13	22	6	27.0	0.000005	**-0.0014**	ug/L
	Pb	208	132	349	18	5.2	0.000116	**0.0320**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	94.180
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	96.753
	Sb	121	
>	Tm	169	96.984
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121108-BLK2
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:00:23
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 202

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\B121108-BLK2.061
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	276423	5599	2.0	276423.029319		ug/L
	As	75	-110	-13	29	219.6	0.000325	**0.2420**	ug/L
	As-1	75	11128	10412	200	1.9	0.000046	**0.1691**	ug/L
	Se	77	137	113	6	5.4	-0.000005	**-0.5241**	ug/L
	Se	82	11	12	10	80.3	0.000000	**0.2266**	ug/L
	Ag	107	303	3659	56	1.5	0.000849	**1.1040**	ug/L
	Ag	109	321	2285	72	3.1	0.000498	**0.6518**	ug/L
	Cd	111	21	269	13	4.7	0.000063	**0.3529**	ug/L
	Cd	114	101	104	16	15.2	0.000001	**0.0106**	ug/L
>	In	115	4024282	3958076	46001	1.2	3958076.082096		ug/L
	Sb	121	29	883	40	4.5	0.000216	**0.3936**	ug/L
>	Tm	169	1960321	1927416	9022	0.5	1927415.810811		ug/L
	Tl	205	13	22	7	31.8	0.000005	**-0.0016**	ug/L
	Pb	208	132	537	29	5.5	0.000211	**0.0617**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	93.474
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	98.355
	Sb	121	
>	Tm	169	98.321
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121108-BLK3
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:02:08
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 203

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\B121108-BLK3.062
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	285060	5479	1.9	285059.984353		ug/L
	As	75	-110	-69	54	78.5	0.000129	**0.1450**	ug/L
	As-1	75	11128	10553	44	0.4	-0.000600	**-0.1625**	ug/L
	Se	77	137	127	15	11.8	-0.000002	**-0.2027**	ug/L
	Se	82	11	-3	16	511.2	-0.000003	**-0.0514**	ug/L
	Ag	107	303	3588	103	2.9	0.000826	**1.0736**	ug/L
	Ag	109	321	2167	21	0.9	0.000465	**0.6098**	ug/L
	Cd	111	21	261	9	3.5	0.000060	**0.3406**	ug/L
	Cd	114	101	88	10	11.9	-0.000003	**0.0008**	ug/L
>	In	115	4024282	3981573	17355	0.4	3981573.037030		ug/L
	Sb	121	29	758	9	1.2	0.000183	**0.3345**	ug/L
>	Tm	169	1960321	1928145	23035	1.2	1928145.118177		ug/L
	Tl	205	13	21	3	12.6	0.000004	**-0.0018**	ug/L
	Pb	208	132	355	4	1.1	0.000117	**0.0323**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	96.395
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	98.939
	Sb	121	
>	Tm	169	98.359
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121108-BLK4
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:03:53
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 204

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\B121108-BLK4.063
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	271677	11626	4.3	271677.452211		ug/L
	As	75	-110	-31	37	117.2	0.000260	**0.2100**	ug/L
	As-1	75	11128	10295	282	2.7	0.000283	**0.2912**	ug/L
	Se	77	137	119	2	1.9	-0.000003	**-0.3356**	ug/L
	Se	82	11	10	15	158.3	-0.000000	**0.1854**	ug/L
	Ag	107	303	4311	122	2.8	0.001035	**1.3451**	ug/L
	Ag	109	321	2852	153	5.4	0.000655	**0.8521**	ug/L
	Cd	111	21	265	13	4.8	0.000063	**0.3556**	ug/L
	Cd	114	101	96	3	2.6	-0.000000	**0.0075**	ug/L
>	In	115	4024282	3881699	121485	3.1	3881699.292407		ug/L
	Sb	121	29	1122	77	6.9	0.000282	**0.5111**	ug/L
>	Tm	169	1960321	1878815	55003	2.9	1878815.244662		ug/L
	Tl	205	13	18	5	29.0	0.000003	**-0.0024**	ug/L
	Pb	208	132	378	12	3.2	0.000134	**0.0376**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	91.869
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	96.457
	Sb	121	
>	Tm	169	95.842
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 0944029-89
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:05:38
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 205

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\0944029-89.064
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	252053	3082	1.2	252053.081773		ug/L
	As	75	-110	10860	310	2.9	0.043453	**21.6045**	ug/L
	As-1	75	11128	20455	487	2.4	0.043521	**22.4919**	ug/L
	Se	77	137	154	16	10.2	0.000009	**0.8496**	ug/L
	Se	82	11	144	13	8.7	0.000037	**2.8802**	ug/L
	Ag	107	303	3255	77	2.4	0.000830	**1.0788**	ug/L
	Ag	109	321	2017	50	2.5	0.000481	**0.6309**	ug/L
	Cd	111	21	1028	28	2.7	0.000281	**1.5547**	ug/L
	Cd	114	101	1958	85	4.3	0.000519	**1.2333**	ug/L
>	In	115	4024282	3596487	48906	1.4	3596487.083125		ug/L
	Sb	121	29	6933	137	2.0	0.001920	**3.4475**	ug/L
>	Tm	169	1960321	1795392	30052	1.7	1795392.165215		ug/L
	Tl	205	13	960	37	3.8	0.000528	**0.2142**	ug/L
	Pb	208	132	2287	56	2.4	0.001206	**0.3724**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	85.233
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	89.370
	Sb	121	
>	Tm	169	91.587
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121108-MS4
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:07:23
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 206

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\B121108-MS4.065
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	243467	4387	1.8	243466.782919		ug/L
	As	75	-110	246840	4787	1.9	1.014257	**502.4642**	ug/L
	As-1	75	11128	255901	4926	1.9	1.013482	**520.5310**	ug/L
	Se	77	137	443	27	6.2	0.000090	**8.6921**	ug/L
	Se	82	11	619	39	6.3	0.000171	**12.4879**	ug/L
	Ag	107	303	3421	70	2.1	0.000884	**1.1491**	ug/L
	Ag	109	321	2057	31	1.5	0.000497	**0.6511**	ug/L
	Cd	111	21	1081	27	2.5	0.000298	**1.6499**	ug/L
	Cd	114	101	2083	16	0.8	0.000559	**1.3269**	ug/L
>	In	115	4024282	3566298	25091	0.7	3566297.858864		ug/L
	Sb	121	29	7919	43	0.5	0.002213	**3.9722**	ug/L
>	Tm	169	1960321	1778548	928	0.1	1778548.469769		ug/L
	Tl	205	13	2773	83	3.0	0.001552	**0.6364**	ug/L
	Pb	208	132	2412	33	1.4	0.001289	**0.3981**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	82.330
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	88.619
	Sb	121	
>	Tm	169	90.727
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121108-BS1
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:09:08
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 207

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\B121108-BS1.066
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	273475	2569	0.9	273474.982883		ug/L
	As	75	-110	218630	970	0.4	0.799851	**396.2641**	ug/L
	As-1	75	11128	228625	954	0.4	0.798399	**410.0941**	ug/L
	Se	77	137	419	17	3.9	0.000075	**7.2709**	ug/L
	Se	82	11	415	22	5.2	0.000106	**7.7939**	ug/L
	Ag	107	303	3487	61	1.7	0.000835	**1.0852**	ug/L
	Ag	109	321	2097	81	3.9	0.000468	**0.6134**	ug/L
	Cd	111	21	234	31	13.4	0.000056	**0.3151**	ug/L
	Cd	114	101	75	8	10.9	-0.000005	**-0.0047**	ug/L
>	In	115	4024282	3831644	34744	0.9	3831643.610891		ug/L
	Sb	121	29	893	22	2.5	0.000226	**0.4113**	ug/L
>	Tm	169	1960321	1885024	18400	1.0	1885024.251864		ug/L
	Tl	205	13	1805	38	2.1	0.000951	**0.3884**	ug/L
	Pb	208	132	396	7	1.8	0.000143	**0.0403**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	92.477
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	95.213
	Sb	121	
>	Tm	169	96.159
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121108-SRM1
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:10:53
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 208

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\B121108-SRM1.067
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	262892	1625	0.6	262892.431505		ug/L
	As	75	-110	15289	183	1.2	0.058527	**29.0709**	ug/L
	As-1	75	11128	25077	386	1.5	0.057759	**29.8026**	ug/L
	Se	77	137	135	14	10.4	0.000002	**0.1788**	ug/L
	Se	82	11	92	24	25.8	0.000022	**1.7765**	ug/L
	Ag	107	303	3574	43	1.2	0.000878	**1.1417**	ug/L
	Ag	109	321	2221	6	0.3	0.000513	**0.6714**	ug/L
	Cd	111	21	848	7	0.9	0.000221	**1.2269**	ug/L
	Cd	114	101	1495	13	0.9	0.000374	**0.8900**	ug/L
>	In	115	4024282	3748325	35340	0.9	3748325.247314		ug/L
	Sb	121	29	12985	104	0.8	0.003457	**6.2010**	ug/L
>	Tm	169	1960321	1861505	32229	1.7	1861505.348572		ug/L
	Tl	205	13	819	27	3.3	0.000433	**0.1751**	ug/L
	Pb	208	132	1459	372	25.5	0.000717	**0.2197**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	88.899
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	93.143
	Sb	121	
>	Tm	169	94.959
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-01
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:12:38
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 209

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1225015-01.068
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	258968	9979	3.9	258967.907371		ug/L
	As	75	-110	85460	3511	4.1	0.330367	**163.7187**	ug/L
	As-1	75	11128	95098	3614	3.8	0.329613	**169.3895**	ug/L
	Se	77	137	134	4	3.0	0.000003	**0.2466**	ug/L
	Se	82	11	133	14	10.8	0.000034	**2.6109**	ug/L
	Ag	107	303	2609	61	2.3	0.000638	**0.8308**	ug/L
	Ag	109	321	1613	84	5.2	0.000361	**0.4779**	ug/L
	Cd	111	21	231	12	5.2	0.000058	**0.3264**	ug/L
	Cd	114	101	262	20	7.5	0.000047	**0.1181**	ug/L
>	In	115	4024282	3657828	54175	1.5	3657827.691439		ug/L
	Sb	121	29	45575	1006	2.2	0.012452	**22.3176**	ug/L
>	Tm	169	1960321	1810629	25341	1.4	1810628.791082		ug/L
	Tl	205	13	589	15	2.5	0.000319	**0.1279**	ug/L
	Pb	208	132	2427	40	1.6	0.001273	**0.3932**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	87.572
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	90.894
	Sb	121	
>	Tm	169	92.364
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121108-DUP1
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:14:23
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 210

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\B121108-DUP1.069
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	259093	1768	0.7	259093.008073		ug/L
	As	75	-110	150371	2747	1.8	0.580769	**287.7483**	ug/L
	As-1	75	11128	160039	2889	1.8	0.580082	**297.9962**	ug/L
	Se	77	137	143	3	1.8	0.000005	**0.4261**	ug/L
	Se	82	11	105	12	11.4	0.000026	**2.0480**	ug/L
	Ag	107	303	3267	77	2.4	0.000806	**1.0478**	ug/L
	Ag	109	321	1971	7	0.4	0.000452	**0.5938**	ug/L
	Cd	111	21	357	20	5.6	0.000091	**0.5099**	ug/L
	Cd	114	101	333	30	9.1	0.000065	**0.1606**	ug/L
>	In	115	4024282	3707521	60121	1.6	3707521.102265		ug/L
	Sb	121	29	48920	540	1.1	0.013189	**23.6389**	ug/L
>	Tm	169	1960321	1840332	8963	0.5	1840331.951751		ug/L
	Tl	205	13	654	21	3.3	0.000348	**0.1402**	ug/L
	Pb	208	132	27272	41	0.1	0.014752	**4.6015**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	87.614
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	92.129
	Sb	121	
>	Tm	169	93.879
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV4
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 16:16:11
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CCV4.070
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	283785	3655	1.3	283785.441857		ug/L
	As	75	-110	14662	434	3.0	0.052038	**5.1713**	ug/L
	As-1	75	11128	24160	364	1.5	0.047511	**4.9082**	ug/L
	Se	77	137	2100	48	2.3	0.000513	**9.9050**	ug/L
	Se	82	11	2684	54	2.0	0.000697	**10.0591**	ug/L
	Ag	107	303	15707	136	0.9	0.004018	**1.0407**	ug/L
	Ag	109	321	16088	200	1.2	0.004113	**1.0521**	ug/L
	Cd	111	21	1762	41	2.3	0.000454	**0.5020**	ug/L
	Cd	114	101	4149	45	1.1	0.001056	**0.4999**	ug/L
>	In	115	4024282	3837596	31918	0.8	3837595.757300		ug/L
	Sb	121	29	10735	45	0.4	0.002790	**1.0012**	ug/L
>	Tm	169	1960321	1874606	12972	0.7	1874605.998962		ug/L
	Tl	205	13	5902	45	0.8	0.003142	**0.2583**	ug/L
	Pb	208	132	79097	848	1.1	0.042128	**2.6297**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	95.964
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	95.361
	Sb	121	
>	Tm	169	95.627
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB4
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 16:17:57
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CCB4.071
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	277072	1649	0.6	277072.350718		ug/L
	As	75	-110	-80	35	43.4	0.000082	**0.0244**	ug/L
	As-1	75	11128	10521	37	0.3	0.000344	**0.0645**	ug/L
	Se	77	137	128	13	10.2	-0.000000	**-0.0067**	ug/L
	Se	82	11	14	10	75.1	0.000001	**0.0522**	ug/L
	Ag	107	303	282	6	2.1	-0.000001	**0.0008**	ug/L
	Ag	109	321	302	28	9.4	-0.000000	**0.0035**	ug/L
	Cd	111	21	15	3	21.0	-0.000001	**0.0002**	ug/L
	Cd	114	101	91	8	8.8	-0.000001	**0.0010**	ug/L
>	In	115	4024282	3796009	59386	1.6	3796008.640111		ug/L
	Sb	121	29	35	3	7.1	0.000002	**0.0020**	ug/L
>	Tm	169	1960321	1872419	16622	0.9	1872419.122948		ug/L
	Tl	205	13	12	2	14.4	-0.000000	**-0.0007**	ug/L
	Pb	208	132	123	3	2.4	-0.000001	**-0.0010**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	93.694
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	94.328
	Sb	121	
>	Tm	169	95.516
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121108-MS1
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:19:46
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 211

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\B121108-MS1.072
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	267416	3585	1.3	267415.894312		ug/L
	As	75	-110	304343	5764	1.9	1.138773	**564.1395**	ug/L
	As-1	75	11128	314046	5552	1.8	1.137055	**583.9814**	ug/L
	Se	77	137	436	14	3.3	0.000082	**7.9077**	ug/L
	Se	82	11	494	27	5.5	0.000129	**9.4428**	ug/L
	Ag	107	303	2941	91	3.1	0.000707	**0.9202**	ug/L
	Ag	109	321	1799	40	2.2	0.000399	**0.5257**	ug/L
	Cd	111	21	286	28	9.9	0.000071	**0.3977**	ug/L
	Cd	114	101	301	20	6.6	0.000055	**0.1374**	ug/L
>	In	115	4024282	3760292	71094	1.9	3760291.866273		ug/L
	Sb	121	29	33656	110	0.3	0.008945	**16.0343**	ug/L
>	Tm	169	1960321	1876047	2382	0.1	1876047.112313		ug/L
	Tl	205	13	2519	45	1.8	0.001336	**0.5471**	ug/L
	Pb	208	132	27799	273	1.0	0.014751	**4.6010**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	90.428
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	93.440
	Sb	121	
>	Tm	169	95.701
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121108-MSD1
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:21:30
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 212

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\B121108-MSD1.073
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	257282	8247	3.2	257282.272020		ug/L
	As	75	-110	367677	11044	3.0	1.429537	**708.1609**	ug/L
	As-1	75	11128	377220	11229	3.0	1.428636	**733.6974**	ug/L
	Se	77	137	393	19	4.9	0.000073	**7.0662**	ug/L
	Se	82	11	448	39	8.8	0.000119	**8.7822**	ug/L
	Ag	107	303	3342	54	1.6	0.000836	**1.0870**	ug/L
	Ag	109	321	2030	65	3.2	0.000474	**0.6213**	ug/L
	Cd	111	21	339	31	9.0	0.000087	**0.4881**	ug/L
	Cd	114	101	337	11	3.4	0.000067	**0.1658**	ug/L
>	In	115	4024282	3666939	50846	1.4	3666938.994090		ug/L
	Sb	121	29	58161	986	1.7	0.015853	**28.4130**	ug/L
>	Tm	169	1960321	1847802	33079	1.8	1847802.227687		ug/L
	Tl	205	13	2534	38	1.5	0.001365	**0.5592**	ug/L
	Pb	208	132	28678	199	0.7	0.015455	**4.8210**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	87.002
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	91.120
	Sb	121	
>	Tm	169	94.260
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-02
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:23:15
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 213

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1225015-02.074
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	268249	5287	2.0	268249.106916		ug/L
	As	75	-110	149989	3565	2.4	0.559485	**277.2057**	ug/L
	As-1	75	11128	159958	3602	2.3	0.558653	**286.9934**	ug/L
	Se	77	137	155	6	3.5	0.000008	**0.7269**	ug/L
	Se	82	11	90	30	32.9	0.000021	**1.7332**	ug/L
	Ag	107	303	3008	56	1.8	0.000730	**0.9502**	ug/L
	Ag	109	321	1858	61	3.3	0.000418	**0.5503**	ug/L
	Cd	111	21	337	16	4.7	0.000085	**0.4759**	ug/L
	Cd	114	101	312	22	7.2	0.000058	**0.1456**	ug/L
>	In	115	4024282	3733772	57658	1.5	3733772.093528		ug/L
	Sb	121	29	49497	372	0.8	0.013251	**23.7497**	ug/L
>	Tm	169	1960321	1876123	8233	0.4	1876123.414944		ug/L
	Tl	205	13	659	33	4.9	0.000344	**0.1384**	ug/L
	Pb	208	132	26575	51	0.2	0.014098	**4.3972**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	90.710
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	92.781
	Sb	121	
>	Tm	169	95.705
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-11
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:25:00
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 214

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1225015-11.075
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	263306	3094	1.2	263306.400564		ug/L
	As	75	-110	142370	1422	1.0	0.541094	**268.0966**	ug/L
	As-1	75	11128	152096	1339	0.9	0.540036	**277.4341**	ug/L
	Se	77	137	151	7	4.8	0.000007	**0.6327**	ug/L
	Se	82	11	76	6	8.5	0.000018	**1.4667**	ug/L
	Ag	107	303	2823	28	1.0	0.000685	**0.8911**	ug/L
	Ag	109	321	1770	44	2.5	0.000397	**0.5235**	ug/L
	Cd	111	21	306	9	2.9	0.000077	**0.4336**	ug/L
	Cd	114	101	297	12	4.0	0.000055	**0.1377**	ug/L
>	In	115	4024282	3714992	57606	1.6	3714992.448346		ug/L
	Sb	121	29	42292	147	0.3	0.011379	**20.3951**	ug/L
>	Tm	169	1960321	1859249	7548	0.4	1859249.477120		ug/L
	Tl	205	13	735	21	2.8	0.000389	**0.1567**	ug/L
	Pb	208	132	28769	309	1.1	0.015406	**4.8057**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	89.039
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	92.314
	Sb	121	
>	Tm	169	94.844
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-12
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:26:45
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 215

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1225015-12.076
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	263261	1061	0.4	263261.497766		ug/L
	As	75	-110	143842	179	0.1	0.546763	**270.9044**	ug/L
	As-1	75	11128	153549	107	0.1	0.545636	**280.3096**	ug/L
	Se	77	137	151	4	2.5	0.000007	**0.6603**	ug/L
	Se	82	11	79	9	11.4	0.000019	**1.5393**	ug/L
	Ag	107	303	2804	27	1.0	0.000683	**0.8890**	ug/L
	Ag	109	321	1782	15	0.9	0.000402	**0.5300**	ug/L
	Cd	111	21	284	12	4.1	0.000072	**0.4017**	ug/L
	Cd	114	101	299	9	3.1	0.000056	**0.1399**	ug/L
>	In	115	4024282	3698531	40202	1.1	3698530.556511		ug/L
	Sb	121	29	44556	605	1.4	0.012040	**21.5792**	ug/L
>	Tm	169	1960321	1879137	18875	1.0	1879136.657171		ug/L
	Tl	205	13	671	12	1.8	0.000350	**0.1410**	ug/L
	Pb	208	132	25213	207	0.8	0.013351	**4.1641**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	89.024
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	91.905
	Sb	121	
>	Tm	169	95.859
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-13
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:28:30
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 216

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1225015-13.077
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	261748	3597	1.4	261748.485337		ug/L
	As	75	-110	-21	69	334.3	0.000293	**0.2263**	ug/L
	As-1	75	11128	9538	194	2.0	-0.001187	**-0.4636**	ug/L
	Se	77	137	120	9	7.1	-0.000001	**-0.1168**	ug/L
	Se	82	11	11	24	225.3	0.000000	**0.2183**	ug/L
	Ag	107	303	3165	76	2.4	0.000792	**1.0301**	ug/L
	Ag	109	321	1899	70	3.7	0.000441	**0.5794**	ug/L
	Cd	111	21	226	16	7.2	0.000057	**0.3210**	ug/L
	Cd	114	101	72	11	15.1	-0.000005	**-0.0047**	ug/L
>	In	115	4024282	3649059	50062	1.4	3649059.182560		ug/L
	Sb	121	29	928	27	2.9	0.000247	**0.4493**	ug/L
>	Tm	169	1960321	1836552	20049	1.1	1836551.723067		ug/L
	Tl	205	13	19	2	10.5	0.000004	**-0.0020**	ug/L
	Pb	208	132	690	17	2.5	0.000309	**0.0921**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	88.512
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	90.676
	Sb	121	
>	Tm	169	93.686
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-14
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:30:15
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 217

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1225015-14.078
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	257144	3519	1.4	257144.156234		ug/L
	As	75	-110	155889	2095	1.3	0.606635	**300.5603**	ug/L
	As-1	75	11128	165254	2117	1.3	0.605055	**310.8189**	ug/L
	Se	77	137	149	16	10.8	0.000007	**0.7000**	ug/L
	Se	82	11	127	11	8.9	0.000033	**2.5419**	ug/L
	Ag	107	303	3096	46	1.5	0.000783	**1.0186**	ug/L
	Ag	109	321	1882	24	1.3	0.000442	**0.5812**	ug/L
	Cd	111	21	302	5	1.5	0.000079	**0.4404**	ug/L
	Cd	114	101	288	9	3.1	0.000055	**0.1371**	ug/L
>	In	115	4024282	3606822	30509	0.8	3606821.536281		ug/L
	Sb	121	29	61662	414	0.7	0.017089	**30.6267**	ug/L
>	Tm	169	1960321	1841182	19543	1.1	1841182.006104		ug/L
	Tl	205	13	673	31	4.6	0.000359	**0.1444**	ug/L
	Pb	208	132	26578	160	0.6	0.014368	**4.4817**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	86.955
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	89.626
	Sb	121	
>	Tm	169	93.922
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-16
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:32:00
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 218

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1225015-16.079
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	257281	1199	0.5	257281.235687		ug/L
	As	75	-110	160492	1266	0.8	0.624198	**309.2594**	ug/L
	As-1	75	11128	169939	1268	0.7	0.622915	**319.9895**	ug/L
	Se	77	137	146	28	19.0	0.000006	**0.5916**	ug/L
	Se	82	11	105	13	12.7	0.000026	**2.0772**	ug/L
	Ag	107	303	3265	26	0.8	0.000825	**1.0730**	ug/L
	Ag	109	321	2000	51	2.6	0.000472	**0.6190**	ug/L
	Cd	111	21	349	11	3.1	0.000091	**0.5090**	ug/L
	Cd	114	101	302	33	11.1	0.000058	**0.1453**	ug/L
>	In	115	4024282	3626115	47367	1.3	3626115.372122		ug/L
	Sb	121	29	57151	561	1.0	0.015756	**28.2379**	ug/L
>	Tm	169	1960321	1842675	24433	1.3	1842675.354473		ug/L
	Tl	205	13	638	21	3.3	0.000339	**0.1365**	ug/L
	Pb	208	132	24525	63	0.3	0.013243	**4.1305**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	87.001
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	90.106
	Sb	121	
>	Tm	169	93.999
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-17
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:33:45
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 219

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1225015-17.080
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	243615	2860	1.2	243615.293041		ug/L
	As	75	-110	147862	1683	1.1	0.607361	**300.9196**	ug/L
	As-1	75	11128	157237	1717	1.1	0.607849	**312.2537**	ug/L
	Se	77	137	137	25	18.0	0.000006	**0.5475**	ug/L
	Se	82	11	83	15	17.7	0.000021	**1.7234**	ug/L
	Ag	107	303	3061	37	1.2	0.000810	**1.0537**	ug/L
	Ag	109	321	1893	59	3.1	0.000468	**0.6143**	ug/L
	Cd	111	21	309	4	1.3	0.000084	**0.4713**	ug/L
	Cd	114	101	304	12	4.0	0.000063	**0.1565**	ug/L
>	In	115	4024282	3455755	23424	0.7	3455754.658079		ug/L
	Sb	121	29	53489	458	0.9	0.015471	**27.7282**	ug/L
>	Tm	169	1960321	1754441	29582	1.7	1754441.269373		ug/L
	Tl	205	13	647	28	4.4	0.000362	**0.1458**	ug/L
	Pb	208	132	22272	301	1.4	0.012631	**3.9394**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	82.380
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	85.873
	Sb	121	
>	Tm	169	89.498
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-18
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:35:30
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 220

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1225015-18.081
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	248663	8212	3.3	248663.329615		ug/L
	As	75	-110	146578	7174	4.9	0.589637	**292.1410**	ug/L
	As-1	75	11128	156089	7193	4.6	0.589907	**303.0410**	ug/L
	Se	77	137	141	9	6.2	0.000006	**0.6021**	ug/L
	Se	82	11	105	10	9.6	0.000027	**2.1463**	ug/L
	Ag	107	303	3142	46	1.5	0.000820	**1.0668**	ug/L
	Ag	109	321	1946	27	1.4	0.000475	**0.6232**	ug/L
	Cd	111	21	328	37	11.4	0.000088	**0.4927**	ug/L
	Cd	114	101	389	18	4.6	0.000086	**0.2102**	ug/L
>	In	115	4024282	3511513	161850	4.6	3511513.181443		ug/L
	Sb	121	29	54666	909	1.7	0.015574	**27.9127**	ug/L
>	Tm	169	1960321	1803346	61483	3.4	1803345.698828		ug/L
	Tl	205	13	679	23	3.4	0.000370	**0.1490**	ug/L
	Pb	208	132	26511	586	2.2	0.014639	**4.5661**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	84.087
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	87.258
	Sb	121	
>	Tm	169	91.992
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV5
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 16:37:18
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CCV5.082
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	274486	2453	0.9	274486.436799		ug/L
	As	75	-110	14101	385	2.7	0.051745	**5.1423**	ug/L
	As-1	75	11128	23444	57	0.2	0.047789	**4.9367**	ug/L
	Se	77	137	2047	44	2.1	0.000514	**9.9113**	ug/L
	Se	82	11	2620	58	2.2	0.000699	**10.0836**	ug/L
	Ag	107	303	15153	77	0.5	0.003979	**1.0307**	ug/L
	Ag	109	321	15183	55	0.4	0.003983	**1.0191**	ug/L
	Cd	111	21	1680	27	1.6	0.000444	**0.4915**	ug/L
	Cd	114	101	3985	54	1.4	0.001041	**0.4928**	ug/L
>	In	115	4024282	3737449	35581	1.0	3737449.335813		ug/L
	Sb	121	29	10314	110	1.1	0.002752	**0.9876**	ug/L
>	Tm	169	1960321	1874524	8001	0.4	1874524.251512		ug/L
	Tl	205	13	5924	158	2.7	0.003153	**0.2593**	ug/L
	Pb	208	132	80219	1023	1.3	0.042726	**2.6671**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	92.819
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	92.872
	Sb	121	
>	Tm	169	95.623
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB5
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 16:39:04
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CCB5.083
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	265412	5031	1.9	265412.211909		ug/L
	As	75	-110	-107	46	43.5	-0.000031	**0.0131**	ug/L
	As-1	75	11128	10092	87	0.9	0.000400	**0.0702**	ug/L
	Se	77	137	123	17	13.6	0.000000	**0.0004**	ug/L
	Se	82	11	-11	17	154.6	-0.000006	**-0.0421**	ug/L
	Ag	107	303	251	1	0.5	-0.000006	**-0.0003**	ug/L
	Ag	109	321	261	18	7.1	-0.000007	**0.0017**	ug/L
	Cd	111	21	18	3	18.2	-0.000000	**0.0011**	ug/L
	Cd	114	101	87	8	8.8	-0.000001	**0.0012**	ug/L
>	In	115	4024282	3597773	7264	0.2	3597772.559771		ug/L
	Sb	121	29	33	3	9.4	0.000002	**0.0020**	ug/L
>	Tm	169	1960321	1817444	7870	0.4	1817443.920356		ug/L
	Tl	205	13	10	1	11.2	-0.000001	**-0.0008**	ug/L
	Pb	208	132	129	6	4.8	0.000004	**-0.0006**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	89.751
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	89.402
	Sb	121	
>	Tm	169	92.712
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-19
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:40:52
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 221

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1225015-19.084
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	259008	3742	1.4	259008.362189		ug/L
	As	75	-110	144030	386	0.3	0.556521	**275.7375**	ug/L
	As-1	75	11128	153801	460	0.3	0.556248	**285.7586**	ug/L
	Se	77	137	141	14	9.9	0.000005	**0.4683**	ug/L
	Se	82	11	62	11	18.0	0.000014	**1.2287**	ug/L
	Ag	107	303	2896	63	2.2	0.000724	**0.9426**	ug/L
	Ag	109	321	1778	34	1.9	0.000411	**0.5416**	ug/L
	Cd	111	21	327	16	5.0	0.000085	**0.4772**	ug/L
	Cd	114	101	315	16	5.2	0.000062	**0.1539**	ug/L
>	In	115	4024282	3621157	19948	0.6	3621156.548576		ug/L
	Sb	121	29	46365	90	0.2	0.012797	**22.9360**	ug/L
>	Tm	169	1960321	1847437	18930	1.0	1847437.089966		ug/L
	Tl	205	13	755	31	4.1	0.000402	**0.1622**	ug/L
	Pb	208	132	28125	153	0.5	0.015157	**4.7280**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	87.585
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	89.983
	Sb	121	
>	Tm	169	94.242
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-20
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:42:37
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 222

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1225015-20.085
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	263770	1509	0.6	263769.962529		ug/L
	As	75	-110	130167	1022	0.8	0.493870	**244.7053**	ug/L
	As-1	75	11128	139807	1226	0.9	0.492413	**252.9814**	ug/L
	Se	77	137	150	4	2.3	0.000007	**0.6943**	ug/L
	Se	82	11	59	32	54.2	0.000014	**1.1728**	ug/L
	Ag	107	303	2684	88	3.3	0.000661	**0.8612**	ug/L
	Ag	109	321	1682	30	1.8	0.000382	**0.5046**	ug/L
	Cd	111	21	270	13	4.6	0.000069	**0.3876**	ug/L
	Cd	114	101	263	5	1.9	0.000047	**0.1193**	ug/L
>	In	115	4024282	3642114	50509	1.4	3642113.713288		ug/L
	Sb	121	29	39805	619	1.6	0.010923	**19.5781**	ug/L
>	Tm	169	1960321	1850968	12878	0.7	1850967.974708		ug/L
	Tl	205	13	676	13	1.9	0.000358	**0.1442**	ug/L
	Pb	208	132	24507	377	1.5	0.013172	**4.1083**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	89.195
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	90.503
	Sb	121	
>	Tm	169	94.422
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-21
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:44:22
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 223

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1225015-21.086
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	248361	15003	6.0	248360.773541		ug/L
	As	75	-110	212297	7376	3.5	0.856049	**424.1000**	ug/L
	As-1	75	11128	221616	7505	3.4	0.855642	**439.4862**	ug/L
	Se	77	137	160	14	8.9	0.000012	**1.1881**	ug/L
	Se	82	11	74	17	23.5	0.000019	**1.5629**	ug/L
	Ag	107	303	2760	77	2.8	0.000726	**0.9448**	ug/L
	Ag	109	321	1723	26	1.5	0.000421	**0.5537**	ug/L
	Cd	111	21	730	23	3.1	0.000207	**1.1469**	ug/L
	Cd	114	101	1238	25	2.0	0.000334	**0.7970**	ug/L
>	In	115	4024282	3445058	121149	3.5	3445057.934232		ug/L
	Sb	121	29	78288	2627	3.4	0.022719	**40.7144**	ug/L
>	Tm	169	1960321	1792120	58458	3.3	1792120.059229		ug/L
	Tl	205	13	998	32	3.2	0.000550	**0.2234**	ug/L
	Pb	208	132	138969	5154	3.7	0.077474	**24.1841**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	83.985
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	85.607
	Sb	121	
>	Tm	169	91.420
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121108-DUP2
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:46:07
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 224

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\B121108-DUP2.087
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	259118	382	0.1	259117.589263		ug/L
	As	75	-110	217792	1649	0.8	0.840886	**416.5898**	ug/L
	As-1	75	11128	227197	1672	0.7	0.839184	**431.0356**	ug/L
	Se	77	137	179	5	2.9	0.000016	**1.5096**	ug/L
	Se	82	11	78	14	17.9	0.000019	**1.5706**	ug/L
	Ag	107	303	3165	49	1.5	0.000805	**1.0475**	ug/L
	Ag	109	321	2026	40	2.0	0.000484	**0.6345**	ug/L
	Cd	111	21	706	17	2.4	0.000191	**1.0615**	ug/L
	Cd	114	101	1200	52	4.3	0.000309	**0.7367**	ug/L
>	In	115	4024282	3593702	18276	0.5	3593701.883725		ug/L
	Sb	121	29	74403	363	0.5	0.020697	**37.0912**	ug/L
>	Tm	169	1960321	1865176	7897	0.4	1865175.621133		ug/L
	Tl	205	13	1060	22	2.1	0.000562	**0.2280**	ug/L
	Pb	208	132	141130	745	0.5	0.075601	**23.5992**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	87.622
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	89.300
	Sb	121	
>	Tm	169	95.146
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121108-MS2
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:50:06
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 225

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\B121108-MS2.088
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	238742	1608	0.7	238742.345916		ug/L
	As	75	-110	309325	4696	1.5	1.295970	**642.0022**	ug/L
	As-1	75	11128	318482	4483	1.4	1.296328	**665.7620**	ug/L
	Se	77	137	318	19	6.0	0.000060	**5.7759**	ug/L
	Se	82	11	324	30	9.3	0.000093	**6.8853**	ug/L
	Ag	107	303	2734	44	1.6	0.000733	**0.9539**	ug/L
	Ag	109	321	1790	17	1.0	0.000450	**0.5907**	ug/L
	Cd	111	21	674	24	3.5	0.000194	**1.0773**	ug/L
	Cd	114	101	1238	26	2.1	0.000341	**0.8129**	ug/L
>	In	115	4024282	3381306	22316	0.7	3381306.083360		ug/L
	Sb	121	29	73446	519	0.7	0.021715	**38.9156**	ug/L
>	Tm	169	1960321	1761924	33847	1.9	1761923.813416		ug/L
	Tl	205	13	2561	24	0.9	0.001447	**0.5929**	ug/L
	Pb	208	132	130539	516	0.4	0.074038	**23.1111**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	80.732
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	84.023
	Sb	121	
>	Tm	169	89.879
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121108-MSD2
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:51:51
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 226

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\B121108-MSD2.089
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	247117	9308	3.8	247117.023305		ug/L
	As	75	-110	322474	9520	3.0	1.305591	**646.7678**	ug/L
	As-1	75	11128	331831	9608	2.9	1.305484	**670.4632**	ug/L
	Se	77	137	314	19	6.0	0.000057	**5.5018**	ug/L
	Se	82	11	252	22	8.8	0.000071	**5.2722**	ug/L
	Ag	107	303	2607	35	1.3	0.000682	**0.8882**	ug/L
	Ag	109	321	1545	25	1.6	0.000369	**0.4882**	ug/L
	Cd	111	21	707	27	3.8	0.000200	**1.1117**	ug/L
	Cd	114	101	1265	63	4.9	0.000342	**0.8157**	ug/L
>	In	115	4024282	3441766	84926	2.5	3441766.334941		ug/L
	Sb	121	29	74785	1388	1.9	0.021725	**38.9336**	ug/L
>	Tm	169	1960321	1810976	38978	2.2	1810976.419906		ug/L
	Tl	205	13	2724	52	1.9	0.001497	**0.6138**	ug/L
	Pb	208	132	136030	3671	2.7	0.075052	**23.4277**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	83.564
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	85.525
	Sb	121	
>	Tm	169	92.382
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-22
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:53:36
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 227

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1225015-22.090
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	251778	1759	0.7	251778.400137		ug/L
	As	75	-110	77545	543	0.7	0.308384	**152.8300**	ug/L
	As-1	75	11128	86671	490	0.6	0.306625	**157.5864**	ug/L
	Se	77	137	134	4	2.6	0.000004	**0.4220**	ug/L
	Se	82	11	115	8	6.6	0.000030	**2.3774**	ug/L
	Ag	107	303	2882	44	1.5	0.000749	**0.9750**	ug/L
	Ag	109	321	1768	37	2.1	0.000426	**0.5605**	ug/L
	Cd	111	21	249	15	6.1	0.000066	**0.3708**	ug/L
	Cd	114	101	183	11	6.2	0.000027	**0.0721**	ug/L
>	In	115	4024282	3495293	57233	1.6	3495292.803402		ug/L
	Sb	121	29	35164	341	1.0	0.010054	**18.0222**	ug/L
>	Tm	169	1960321	1823341	7625	0.4	1823341.425801		ug/L
	Tl	205	13	127	17	13.3	0.000063	**0.0225**	ug/L
	Pb	208	132	15636	341	2.2	0.008508	**2.6520**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	85.140
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	86.855
	Sb	121	
>	Tm	169	93.012
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-23
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:55:21
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 228

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1225015-23.091
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	247915	1804	0.7	247915.387073		ug/L
	As	75	-110	128603	1608	1.3	0.519144	**257.2240**	ug/L
	As-1	75	11128	137975	1554	1.1	0.518944	**266.6044**	ug/L
	Se	77	137	139	15	10.6	0.000006	**0.5319**	ug/L
	Se	82	11	76	18	23.8	0.000019	**1.5505**	ug/L
	Ag	107	303	2466	21	0.8	0.000625	**0.8138**	ug/L
	Ag	109	321	1544	32	2.0	0.000359	**0.4748**	ug/L
	Cd	111	21	238	30	12.6	0.000062	**0.3506**	ug/L
	Cd	114	101	246	33	13.3	0.000045	**0.1141**	ug/L
>	In	115	4024282	3521645	28736	0.8	3521645.074644		ug/L
	Sb	121	29	34150	311	0.9	0.009690	**17.3695**	ug/L
>	Tm	169	1960321	1817097	16850	0.9	1817096.818371		ug/L
	Tl	205	13	800	45	5.6	0.000434	**0.1753**	ug/L
	Pb	208	132	29107	237	0.8	0.015952	**4.9762**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	83.834
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	87.510
	Sb	121	
>	Tm	169	92.694
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-24
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:57:05
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 229

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1225015-24.092
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	254364	1276	0.5	254363.503738		ug/L
	As	75	-110	148650	1426	1.0	0.584791	**289.7402**	ug/L
	As-1	75	11128	157918	1503	1.0	0.583227	**299.6110**	ug/L
	Se	77	137	142	13	8.9	0.000007	**0.6416**	ug/L
	Se	82	11	96	7	7.2	0.000025	**1.9869**	ug/L
	Ag	107	303	2965	62	2.1	0.000774	**1.0062**	ug/L
	Ag	109	321	1839	45	2.4	0.000447	**0.5870**	ug/L
	Cd	111	21	331	19	5.7	0.000090	**0.5013**	ug/L
	Cd	114	101	330	13	4.0	0.000069	**0.1715**	ug/L
>	In	115	4024282	3493396	27405	0.8	3493395.751503		ug/L
	Sb	121	29	54644	597	1.1	0.015636	**28.0231**	ug/L
>	Tm	169	1960321	1818559	11838	0.7	1818559.304532		ug/L
	Tl	205	13	640	47	7.3	0.000345	**0.1389**	ug/L
	Pb	208	132	24117	197	0.8	0.013195	**4.1152**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	86.015
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	86.808
	Sb	121	
>	Tm	169	92.768
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-25
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 16:58:50
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 230

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1225015-25.093
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	254249	2484	1.0	254248.512945		ug/L
	As	75	-110	220151	2271	1.0	0.866274	**429.1650**	ug/L
	As-1	75	11128	229426	2320	1.0	0.864757	**444.1662**	ug/L
	Se	77	137	193	15	7.5	0.000021	**2.0218**	ug/L
	Se	82	11	86	9	10.0	0.000022	**1.7628**	ug/L
	Ag	107	303	2735	62	2.3	0.000706	**0.9182**	ug/L
	Ag	109	321	1783	52	2.9	0.000430	**0.5650**	ug/L
	Cd	111	21	966	23	2.4	0.000271	**1.4993**	ug/L
	Cd	114	101	1772	50	2.8	0.000481	**1.1423**	ug/L
>	In	115	4024282	3502414	23660	0.7	3502413.564944		ug/L
	Sb	121	29	70305	484	0.7	0.020067	**35.9639**	ug/L
>	Tm	169	1960321	1843979	13398	0.7	1843978.807613		ug/L
	Tl	205	13	1804	17	0.9	0.000971	**0.3969**	ug/L
	Pb	208	132	233868	1425	0.6	0.126768	**39.5744**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	85.976
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	87.032
	Sb	121	
>	Tm	169	94.065
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV6
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 17:00:38
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CCV6.094
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	257257	2508	1.0	257257.412750		ug/L
	As	75	-110	13397	126	0.9	0.052453	**5.2125**	ug/L
	As-1	75	11128	22014	111	0.5	0.047952	**4.9534**	ug/L
	Se	77	137	1969	12	0.6	0.000533	**10.2850**	ug/L
	Se	82	11	2521	26	1.0	0.000724	**10.4426**	ug/L
	Ag	107	303	14269	312	2.2	0.004034	**1.0449**	ug/L
	Ag	109	321	14455	159	1.1	0.004083	**1.0447**	ug/L
	Cd	111	21	1619	36	2.2	0.000461	**0.5101**	ug/L
	Cd	114	101	3720	54	1.4	0.001046	**0.4953**	ug/L
>	In	115	4024282	3472111	12353	0.4	3472111.374553		ug/L
	Sb	121	29	9684	78	0.8	0.002782	**0.9982**	ug/L
>	Tm	169	1960321	1822099	16390	0.9	1822098.746863		ug/L
	Tl	205	13	5972	124	2.1	0.003271	**0.2689**	ug/L
	Pb	208	132	79421	472	0.6	0.043522	**2.7167**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	86.993
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	86.279
	Sb	121	
>	Tm	169	92.949
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB6
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 17:02:24
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CCB6.095
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	244586	1359	0.6	244586.293211		ug/L
	As	75	-110	-71	28	39.3	0.000082	**0.0244**	ug/L
	As-1	75	11128	9433	31	0.3	0.000942	**0.1258**	ug/L
	Se	77	137	101	12	11.6	-0.000003	**-0.0695**	ug/L
	Se	82	11	-20	4	20.3	-0.000009	**-0.0869**	ug/L
	Ag	107	303	246	17	7.0	-0.000001	**0.0009**	ug/L
	Ag	109	321	243	9	3.5	-0.000006	**0.0019**	ug/L
	Cd	111	21	15	1	3.8	-0.000001	**0.0009**	ug/L
	Cd	114	101	74	6	8.4	-0.000003	**0.0003**	ug/L
>	In	115	4024282	3300952	42862	1.3	3300952.106837		ug/L
	Sb	121	29	36	6	16.2	0.000004	**0.0026**	ug/L
>	Tm	169	1960321	1739950	8586	0.5	1739949.739105		ug/L
	Tl	205	13	15	2	10.0	0.000002	**-0.0005**	ug/L
	Pb	208	132	122	6	5.0	0.000003	**-0.0007**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	82.708
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	82.026
	Sb	121	
>	Tm	169	88.758
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-26
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 17:04:12
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 231

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1225015-26.096
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	239457	5840	2.4	239457.228399		ug/L
	As	75	-110	138903	5346	3.8	0.580426	**287.5786**	ug/L
	As-1	75	11128	147846	5436	3.7	0.579781	**297.8417**	ug/L
	Se	77	137	129	4	3.1	0.000004	**0.3575**	ug/L
	Se	82	11	101	40	39.4	0.000027	**2.1268**	ug/L
	Ag	107	303	2909	92	3.2	0.000778	**1.0126**	ug/L
	Ag	109	321	1747	74	4.3	0.000433	**0.5692**	ug/L
	Cd	111	21	311	11	3.6	0.000086	**0.4830**	ug/L
	Cd	114	101	300	18	6.0	0.000063	**0.1563**	ug/L
>	In	115	4024282	3407491	89866	2.6	3407490.853100		ug/L
	Sb	121	29	48310	858	1.8	0.014173	**25.4012**	ug/L
>	Tm	169	1960321	1766670	28508	1.6	1766670.409554		ug/L
	Tl	205	13	601	39	6.5	0.000333	**0.1338**	ug/L
	Pb	208	132	23021	237	1.0	0.012964	**4.0433**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	80.974
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	84.673
	Sb	121	
>	Tm	169	90.121
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-27
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 17:05:57
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 232

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1225015-27.097
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	249773	4441	1.8	249773.126267		ug/L
	As	75	-110	225513	1941	0.9	0.903344	**447.5266**	ug/L
	As-1	75	11128	234563	2010	0.9	0.901582	**463.0745**	ug/L
	Se	77	137	214	13	6.2	0.000029	**2.7637**	ug/L
	Se	82	11	147	19	13.0	0.000041	**3.1100**	ug/L
	Ag	107	303	2511	47	1.9	0.000662	**0.8619**	ug/L
	Ag	109	321	1649	47	2.9	0.000405	**0.5331**	ug/L
	Cd	111	21	936	30	3.2	0.000270	**1.4951**	ug/L
	Cd	114	101	1724	26	1.5	0.000481	**1.1428**	ug/L
>	In	115	4024282	3405574	44951	1.3	3405574.324282		ug/L
	Sb	121	29	63651	221	0.3	0.018685	**33.4868**	ug/L
>	Tm	169	1960321	1821310	12075	0.7	1821310.304027		ug/L
	Tl	205	13	2052	51	2.5	0.001120	**0.4581**	ug/L
	Pb	208	132	294901	718	0.2	0.161855	**50.5290**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	84.462
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	84.626
	Sb	121	
>	Tm	169	92.909
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1222027-01RE1
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 17:07:42
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 233

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1222027-01RE1.098
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	248550	5719	2.3	248550.072393		ug/L
	As	75	-110	6931	231	3.3	0.028253	**14.0756**	ug/L
	As-1	75	11128	15664	209	1.3	0.025403	**13.1893**	ug/L
	Se	77	137	157	10	6.6	0.000012	**1.1703**	ug/L
	Se	82	11	179	8	4.4	0.000050	**3.8063**	ug/L
	Ag	107	303	2673	11	0.4	0.000713	**0.9284**	ug/L
	Ag	109	321	1599	26	1.6	0.000392	**0.5173**	ug/L
	Cd	111	21	289	8	2.8	0.000080	**0.4493**	ug/L
	Cd	114	101	311	14	4.6	0.000067	**0.1656**	ug/L
>	In	115	4024282	3389895	50876	1.5	3389895.404585		ug/L
	Sb	121	29	3915	80	2.0	0.001147	**2.0625**	ug/L
>	Tm	169	1960321	1807005	22374	1.2	1807004.736176		ug/L
	Tl	205	13	366	27	7.4	0.000195	**0.0771**	ug/L
	Pb	208	132	40140	983	2.4	0.022144	**6.9093**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	84.049
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	84.236
	Sb	121	
>	Tm	169	92.179
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1222027-04RE1
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 17:09:27
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 234

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1222027-04RE1.099
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	246442	254	0.1	246441.674204		ug/L
	As	75	-110	9413	108	1.2	0.038569	**19.1851**	ug/L
	As-1	75	11128	18364	75	0.4	0.036886	**19.0854**	ug/L
	Se	77	137	135	12	9.3	0.000006	**0.5881**	ug/L
	Se	82	11	114	12	11.0	0.000031	**2.4360**	ug/L
	Ag	107	303	2406	94	3.9	0.000640	**0.8341**	ug/L
	Ag	109	321	1529	36	2.4	0.000375	**0.4960**	ug/L
	Cd	111	21	249	16	6.5	0.000069	**0.3878**	ug/L
	Cd	114	101	225	15	6.6	0.000042	**0.1070**	ug/L
>	In	115	4024282	3360528	3161	0.1	3360528.106301		ug/L
	Sb	121	29	4523	41	0.9	0.001339	**2.4051**	ug/L
>	Tm	169	1960321	1791858	24821	1.4	1791857.657626		ug/L
	Tl	205	13	1062	53	5.0	0.000586	**0.2380**	ug/L
	Pb	208	132	16763	59	0.4	0.009289	**2.8959**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	83.336
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	83.506
	Sb	121	
>	Tm	169	91.406
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1222027-07RE1
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 17:11:12
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 235

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1222027-07RE1.100
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	246703	2615	1.1	246702.855104		ug/L
	As	75	-110	10781	287	2.7	0.044074	**21.9119**	ug/L
	As-1	75	11128	19877	235	1.2	0.042945	**22.1966**	ug/L
	Se	77	137	126	15	11.5	0.000003	**0.3045**	ug/L
	Se	82	11	91	10	10.9	0.000024	**1.9321**	ug/L
	Ag	107	303	2755	19	0.7	0.000737	**0.9585**	ug/L
	Ag	109	321	1705	9	0.5	0.000423	**0.5563**	ug/L
	Cd	111	21	241	11	4.7	0.000066	**0.3709**	ug/L
	Cd	114	101	179	9	4.9	0.000028	**0.0734**	ug/L
>	In	115	4024282	3393565	35072	1.0	3393564.856102		ug/L
	Sb	121	29	5734	77	1.3	0.001683	**3.0213**	ug/L
>	Tm	169	1960321	1810115	3554	0.2	1810115.324416		ug/L
	Tl	205	13	1038	9	0.9	0.000566	**0.2300**	ug/L
	Pb	208	132	10149	194	1.9	0.005540	**1.7253**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	83.424
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	84.327
	Sb	121	
>	Tm	169	92.338
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV7
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 17:13:00
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CCV7.101
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	256434	2567	1.0	256434.318793		ug/L
	As	75	-110	26196	638	2.4	0.102538	**10.1741**	ug/L
	As-1	75	11128	34118	558	1.6	0.095432	**9.8293**	ug/L
	Se	77	137	3793	101	2.6	0.001062	**20.4966**	ug/L
	Se	82	11	4929	68	1.4	0.001422	**20.4807**	ug/L
	Ag	107	303	27972	194	0.7	0.008008	**2.0731**	ug/L
	Ag	109	321	28343	500	1.8	0.008110	**2.0715**	ug/L
	Cd	111	21	3173	92	2.9	0.000912	**1.0068**	ug/L
	Cd	114	101	7288	106	1.4	0.002081	**0.9834**	ug/L
>	In	115	4024282	3460562	38640	1.1	3460561.561658		ug/L
	Sb	121	29	19163	430	2.2	0.005530	**1.9831**	ug/L
>	Tm	169	1960321	1811640	16655	0.9	1811639.582105		ug/L
	Tl	205	13	11890	38	0.3	0.006557	**0.5398**	ug/L
	Pb	208	132	154463	1023	0.7	0.085198	**5.3191**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	86.715
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	85.992
	Sb	121	
>	Tm	169	92.415
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB7
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 17:14:46
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CCB7.102
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	245955	3170	1.3	245955.111732		ug/L
	As	75	-110	-45	8	17.6	0.000192	**0.0352**	ug/L
	As-1	75	11128	9566	179	1.9	0.001270	**0.1595**	ug/L
	Se	77	137	108	2	1.6	-0.000002	**-0.0380**	ug/L
	Se	82	11	11	4	32.1	0.000001	**0.0492**	ug/L
	Ag	107	303	241	23	9.7	-0.000004	**0.0001**	ug/L
	Ag	109	321	256	8	2.9	-0.000004	**0.0026**	ug/L
	Cd	111	21	17	3	20.4	-0.000000	**0.0013**	ug/L
	Cd	114	101	69	5	7.9	-0.000004	**-0.0005**	ug/L
>	In	115	4024282	3364050	39172	1.2	3364049.533234		ug/L
	Sb	121	29	40	5	12.5	0.000005	**0.0030**	ug/L
>	Tm	169	1960321	1757671	17519	1.0	1757670.603682		ug/L
	Tl	205	13	12	5	40.0	0.000000	**-0.0007**	ug/L
	Pb	208	132	117	7	6.0	-0.000001	**-0.0009**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	83.171
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	83.594
	Sb	121	
>	Tm	169	89.662
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1222027-10RE1
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 17:16:34
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 236

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1222027-10RE1.103
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	260142	882	0.3	260141.917283		ug/L
	As	75	-110	10602	90	0.8	0.041127	**20.4520**	ug/L
	As-1	75	11128	19988	268	1.3	0.039209	**20.2782**	ug/L
	Se	77	137	211	23	11.1	0.000026	**2.4720**	ug/L
	Se	82	11	158	9	5.7	0.000042	**3.2206**	ug/L
	Ag	107	303	1660	29	1.8	0.000394	**0.5150**	ug/L
	Ag	109	321	1073	11	1.0	0.000224	**0.3024**	ug/L
	Cd	111	21	226	6	2.5	0.000059	**0.3314**	ug/L
	Cd	114	101	283	18	6.3	0.000055	**0.1378**	ug/L
>	In	115	4024282	3539046	20186	0.6	3539045.753969		ug/L
	Sb	121	29	3674	39	1.1	0.001031	**1.8536**	ug/L
>	Tm	169	1960321	1850339	9158	0.5	1850338.857818		ug/L
	Tl	205	13	497	19	3.7	0.000262	**0.1045**	ug/L
	Pb	208	132	7319	41	0.6	0.003888	**1.2097**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	87.969
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	87.942
	Sb	121	
>	Tm	169	94.390
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121108-DUP3
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 17:18:19
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 237

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\B121108-DUP3.104
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	253675	1773	0.7	253675.049229		ug/L
	As	75	-110	14130	213	1.5	0.056076	**27.8569**	ug/L
	As-1	75	11128	23094	207	0.9	0.053412	**27.5706**	ug/L
	Se	77	137	204	14	6.9	0.000025	**2.4131**	ug/L
	Se	82	11	252	18	7.3	0.000070	**5.2500**	ug/L
	Ag	107	303	3239	61	1.9	0.000861	**1.1194**	ug/L
	Ag	109	321	2252	12	0.5	0.000572	**0.7460**	ug/L
	Cd	111	21	318	16	4.9	0.000087	**0.4857**	ug/L
	Cd	114	101	343	9	2.7	0.000074	**0.1830**	ug/L
>	In	115	4024282	3458665	6296	0.2	3458664.509760		ug/L
	Sb	121	29	6526	258	4.0	0.001880	**3.3742**	ug/L
>	Tm	169	1960321	1848526	13256	0.7	1848526.092728		ug/L
	Tl	205	13	515	23	4.6	0.000272	**0.1085**	ug/L
	Pb	208	132	7661	101	1.3	0.004078	**1.2688**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	85.782
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	85.945
	Sb	121	
>	Tm	169	94.297
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121108-MS3
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 17:20:04
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 238

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\B121108-MS3.105
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	248743	3548	1.4	248742.864363		ug/L
	As	75	-110	23183	540	2.3	0.093569	**46.4278**	ug/L
	As-1	75	11128	32158	583	1.8	0.091657	**47.2081**	ug/L
	Se	77	137	218	20	9.0	0.000029	**2.7656**	ug/L
	Se	82	11	252	7	2.8	0.000070	**5.2361**	ug/L
	Ag	107	303	12619	39	0.3	0.003563	**4.6147**	ug/L
	Ag	109	321	11718	93	0.8	0.003299	**4.2228**	ug/L
	Cd	111	21	316	4	1.1	0.000086	**0.4811**	ug/L
	Cd	114	101	336	23	6.8	0.000072	**0.1771**	ug/L
>	In	115	4024282	3468715	21398	0.6	3468714.599901		ug/L
	Sb	121	29	15926	239	1.5	0.004584	**8.2199**	ug/L
>	Tm	169	1960321	1819351	14373	0.8	1819351.303127		ug/L
	Tl	205	13	526	15	2.8	0.000282	**0.1128**	ug/L
	Pb	208	132	7925	52	0.7	0.004289	**1.3348**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	84.114
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	86.195
	Sb	121	
>	Tm	169	92.809
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1222027-13RE1
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 17:21:49
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 239

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1222027-13RE1.106
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	246448	2813	1.1	246448.464390		ug/L
	As	75	-110	-51	43	84.3	0.000166	**0.1632**	ug/L
	As-1	75	11128	9180	10	0.1	-0.000376	**-0.0474**	ug/L
	Se	77	137	117	15	12.8	-0.000000	**-0.0129**	ug/L
	Se	82	11	-3	14	428.3	-0.000004	**-0.0690**	ug/L
	Ag	107	303	3059	24	0.8	0.000811	**1.0543**	ug/L
	Ag	109	321	1883	62	3.3	0.000466	**0.6110**	ug/L
	Cd	111	21	203	9	4.4	0.000054	**0.3029**	ug/L
	Cd	114	101	74	9	11.8	-0.000004	**-0.0008**	ug/L
>	In	115	4024282	3453215	45644	1.3	3453214.867858		ug/L
	Sb	121	29	979	35	3.6	0.000276	**0.5014**	ug/L
>	Tm	169	1960321	1836166	24574	1.3	1836165.689284		ug/L
	Tl	205	13	17	4	23.3	0.000003	**-0.0024**	ug/L
	Pb	208	132	509	10	1.9	0.000210	**0.0613**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	83.338
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	85.809
	Sb	121	
>	Tm	169	93.667
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1222005-01RE1
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 17:23:34
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 240

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\1222005-01RE1.107
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	232858	2802	1.2	232858.159809		ug/L
	As	75	-110	14121	183	1.3	0.061013	**30.3022**	ug/L
	As-1	75	11128	23014	350	1.5	0.061205	**31.5721**	ug/L
	Se	77	137	139	19	13.6	0.000008	**0.8028**	ug/L
	Se	82	11	67	3	4.7	0.000018	**1.4674**	ug/L
	Ag	107	303	2764	10	0.3	0.000764	**0.9944**	ug/L
	Ag	109	321	1674	42	2.5	0.000429	**0.5644**	ug/L
	Cd	111	21	1547	16	1.0	0.000465	**2.5700**	ug/L
	Cd	114	101	3165	7	0.2	0.000937	**2.2174**	ug/L
>	In	115	4024282	3292359	65065	2.0	3292358.890228		ug/L
	Sb	121	29	861	44	5.1	0.000254	**0.4622**	ug/L
>	Tm	169	1960321	1756136	16600	0.9	1756135.855119		ug/L
	Tl	205	13	283	15	5.4	0.000154	**0.0601**	ug/L
	Pb	208	132	14439	244	1.7	0.008155	**2.5418**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	78.742
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	81.812
	Sb	121	
>	Tm	169	89.584
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121108-MS5
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 17:25:19
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 241

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\B121108-MS5.108
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	246390	1207	0.5	246390.017658		ug/L
	As	75	-110	19286	200	1.0	0.078648	**39.0373**	ug/L
	As-1	75	11128	28451	269	0.9	0.077848	**40.1178**	ug/L
	Se	77	137	148	15	10.4	0.000009	**0.8607**	ug/L
	Se	82	11	106	7	6.2	0.000028	**2.2314**	ug/L
	Ag	107	303	13725	123	0.9	0.003925	**5.0830**	ug/L
	Ag	109	321	12771	73	0.6	0.003642	**4.6605**	ug/L
	Cd	111	21	1040	8	0.7	0.000298	**1.6505**	ug/L
	Cd	114	101	2064	101	4.9	0.000576	**1.3670**	ug/L
>	In	115	4024282	3431860	43200	1.3	3431860.374000		ug/L
	Sb	121	29	15785	210	1.3	0.004593	**8.2369**	ug/L
>	Tm	169	1960321	1833013	17543	1.0	1833012.768905		ug/L
	Tl	205	13	1031	62	6.0	0.000556	**0.2256**	ug/L
	Pb	208	132	2608	44	1.7	0.001356	**0.4190**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	83.318
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	85.279
	Sb	121	
>	Tm	169	93.506
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121108-BS2
Sample Description: 5X
Batch ID: B121108

Sample Date/Time: Friday, June 29, 2012 17:27:04
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 242

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\B121108-BS2.109
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	244477	1655	0.7	244477.455012		ug/L
	As	75	-110	7854	195	2.5	0.032500	**16.1791**	ug/L
	As-1	75	11128	17006	153	0.9	0.031935	**16.5430**	ug/L
	Se	77	137	113	11	9.6	-0.000001	**-0.1497**	ug/L
	Se	82	11	9	43	458.6	-0.000000	**0.1903**	ug/L
	Ag	107	303	13840	115	0.8	0.003917	**5.0736**	ug/L
	Ag	109	321	12680	82	0.6	0.003579	**4.5800**	ug/L
	Cd	111	21	210	5	2.2	0.000055	**0.3133**	ug/L
	Cd	114	101	74	10	13.0	-0.000004	**-0.0006**	ug/L
>	In	115	4024282	3466366	43391	1.3	3466365.683484		ug/L
	Sb	121	29	9148	92	1.0	0.002632	**4.7225**	ug/L
>	Tm	169	1960321	1826292	35588	1.9	1826291.600896		ug/L
	Tl	205	13	20	5	25.2	0.000004	**-0.0017**	ug/L
	Pb	208	132	383	9	2.2	0.000143	**0.0402**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	82.672
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	86.136
	Sb	121	
>	Tm	169	93.163
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV8
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 17:28:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CCV8.110
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	260447	1866	0.7	260446.550879		ug/L
	As	75	-110	26421	549	2.1	0.101829	**10.1038**	ug/L
	As-1	75	11128	34596	291	0.8	0.095211	**9.8066**	ug/L
	Se	77	137	3852	155	4.0	0.001056	**20.3810**	ug/L
	Se	82	11	4933	108	2.2	0.001394	**20.0781**	ug/L
	Ag	107	303	28564	430	1.5	0.008008	**2.0732**	ug/L
	Ag	109	321	28885	191	0.7	0.008095	**2.0676**	ug/L
	Cd	111	21	3190	36	1.1	0.000898	**0.9915**	ug/L
	Cd	114	101	7485	64	0.9	0.002093	**0.9892**	ug/L
>	In	115	4024282	3533468	15024	0.4	3533467.564403		ug/L
	Sb	121	29	19330	131	0.7	0.005463	**1.9592**	ug/L
>	Tm	169	1960321	1854590	7761	0.4	1854590.433930		ug/L
	Tl	205	13	12139	215	1.8	0.006539	**0.5383**	ug/L
	Pb	208	132	157684	683	0.4	0.084958	**5.3041**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	88.072
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	87.804
	Sb	121	
>	Tm	169	94.606
	Tl	205	
	Pb	208	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB8
Sample Description:
Batch ID:

Sample Date/Time: Friday, June 29, 2012 17:30:37
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\6-12\1200490.sam
Method File: C:\Elandata\Method\2012\6-12\1200490-0060-ICPMS2-TMU.mth
Dataset File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-CCB8.111
Calibration File: C:\Elandata\System\2012\6-12\1200490.cal
Blank File: C:\Elandata\DataSet\Data\2012\6-12\1200490\SEQ-ICB1.025

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
>	Ge	74	295721	251995	2989	1.2	251994.812805		ug/L
	As	75	-110	-92	42	45.9	0.000008	**0.0170**	ug/L
	As-1	75	11128	9617	28	0.3	0.000539	**0.0845**	ug/L
	Se	77	137	112	7	6.0	-0.000001	**-0.0280**	ug/L
	Se	82	11	-4	11	290.0	-0.000004	**-0.0141**	ug/L
	Ag	107	303	251	25	10.0	-0.000002	**0.0005**	ug/L
	Ag	109	321	261	23	8.6	-0.000003	**0.0026**	ug/L
	Cd	111	21	16	4	24.2	-0.000001	**0.0008**	ug/L
	Cd	114	101	71	7	9.7	-0.000004	**-0.0004**	ug/L
>	In	115	4024282	3422063	86324	2.5	3422063.483804		ug/L
	Sb	121	29	43	1	1.4	0.000005	**0.0032**	ug/L
>	Tm	169	1960321	1790033	16524	0.9	1790032.513933		ug/L
	Tl	205	13	11	3	27.1	-0.000001	**-0.0008**	ug/L
	Pb	208	132	122	11	8.6	0.000001	**-0.0008**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
>	Ge	74	85.214
	As	75	
	As-1	75	
	Se	77	
	Se	82	
	Ag	107	
	Ag	109	
	Cd	111	
	Cd	114	
>	In	115	85.035
	Sb	121	
>	Tm	169	91.313
	Tl	205	
	Pb	208	

ANALYSIS SEQUENCE

1200507

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200507-ICB1	1200507	QC	1		-			
1200507-CAL1	1200507	QC	2	1227100	-			
1200507-CAL2	1200507	QC	3	1227099	-			
1200507-CAL3	1200507	QC	4	1227098	-			
1200507-CAL4	1200507	QC	5	1227097	-			
1200507-CAL5	1200507	QC	6	1227096	-			
1200507-CAL6	1200507	QC	7	1227095	-			
1200507-CAL7	1200507	QC	8	1227094	-			
1200507-ICB2	1200507	QC	9		-			
1200507-ICV1	1200507	QC	10	1222023	-			
1200507-ICV2	1200507	QC	11	1222024	-			
1200507-ICB3	1200507	QC	12		-			
1200507-IBL1	1200507	QC	13		-			
1200507-IBL2	1200507	QC	14		-			
1200507-IBL3	1200507	QC	15		-			
1200507-IBL4	1200507	QC	16		-			
1200507-SCV1	1200507	QC	17	1131009	-			
1200507-SCV2	1200507	QC	18	1131010	-			
1200507-CCV1	1200507	QC	19	1227097	-			
1200507-CCB1	1200507	QC	20		-			
B120680-BLK1	B120680	QC	21		-			
B120680-BLK2	B120680	QC	22		-			
B120680-BLK3	B120680	QC	23		-			
B120680-BLK4	B120680	QC	24		-			
B120680-BS1	B120680	QC	25		-			
B120680-BS2	B120680	QC	26		-			

ANALYSIS SEQUENCE

1200507

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B120680-BS3	B120680	QC	27		-			
B120680-BS4	B120680	QC	28		-			
1200507-CCV2	1200507	QC	29	1227097	-			
1200507-CCB2	1200507	QC	30		-			
B120680-BS5	B120680	QC	31		-			
B120680-BS6	B120680	QC	32		-			
B120680-BS7	B120680	QC	33		-			
B120680-BS8	B120680	QC	34		-			
1200507-CCV3	1200507	QC	35	1227097	-			
1200507-CCB3	1200507	QC	36		-			
B121109-BLK1	B121109	QC	37		-			
B121109-BLK2	B121109	QC	38		-			
B121109-BLK3	B121109	QC	39		-			
B121109-BLK4	B121109	QC	40		-			
B121109-BS1	B121109	QC	41		-			
B121109-SRM1	B121109	QC	42		-			
B121109-SRM2	B121109	QC	43		-			
1225015-13	B121109	Cd-W-ChelCol-ICPMS-TR	44			UDE-SL1201	8/2/2012	
1225015-13	B121109	Cu-W-ChelCol-ICPMS-TR	45			UDE-SL1201	8/2/2012	
1225015-13	B121109	Pb-W-ChelCol-ICPMS-TR	46			UDE-SL1201	8/2/2012	
1225015-01	B121109	Cd-W-ChelCol-ICPMS-TR	47			UDE-SL1201	8/2/2012	
1225015-01	B121109	Cu-W-ChelCol-ICPMS-TR	48			UDE-SL1201	8/2/2012	
1225015-01	B121109	Pb-W-ChelCol-ICPMS-TR	49			UDE-SL1201	8/2/2012	
1225015-02	B121109	Cd-W-ChelCol-ICPMS-TR	50			UDE-SL1201	8/2/2012	
1225015-02	B121109	Cu-W-ChelCol-ICPMS-TR	51			UDE-SL1201	8/2/2012	
1225015-02	B121109	Pb-W-ChelCol-ICPMS-TR	52			UDE-SL1201	8/2/2012	

ANALYSIS SEQUENCE

1200507

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1225015-11	B121109	Cd-W-ChelCol-ICPMS-TR	53			UDE-SL1201	8/2/2012	
1225015-11	B121109	Cu-W-ChelCol-ICPMS-TR	54			UDE-SL1201	8/2/2012	
1225015-11	B121109	Pb-W-ChelCol-ICPMS-TR	55			UDE-SL1201	8/2/2012	
B121109-DUP1	B121109	QC	56		1225015-11			
1200507-CCV4	1200507	QC	57	1227097	-			
1200507-CCB4	1200507	QC	58		-			
B121109-MS1	B121109	QC	59		1225015-11			
B121109-MSD1	B121109	QC	60		1225015-11			
1225015-12	B121109	Cd-W-ChelCol-ICPMS-TR	61			UDE-SL1201	8/2/2012	
1225015-12	B121109	Cu-W-ChelCol-ICPMS-TR	62			UDE-SL1201	8/2/2012	
1225015-12	B121109	Pb-W-ChelCol-ICPMS-TR	63			UDE-SL1201	8/2/2012	
1225015-14	B121109	Cd-W-ChelCol-ICPMS-TR	64			UDE-SL1201	8/2/2012	
1225015-14	B121109	Cu-W-ChelCol-ICPMS-TR	65			UDE-SL1201	8/2/2012	
1225015-14	B121109	Pb-W-ChelCol-ICPMS-TR	66			UDE-SL1201	8/2/2012	
1225015-16	B121109	Cd-W-ChelCol-ICPMS-TR	67			UDE-SL1201	8/2/2012	
1225015-16	B121109	Cu-W-ChelCol-ICPMS-TR	68			UDE-SL1201	8/2/2012	
1225015-16	B121109	Pb-W-ChelCol-ICPMS-TR	69			UDE-SL1201	8/2/2012	
1225015-17	B121109	Cd-W-ChelCol-ICPMS-TR	70			UDE-SL1201	8/2/2012	
1225015-17	B121109	Cu-W-ChelCol-ICPMS-TR	71			UDE-SL1201	8/2/2012	
1225015-17	B121109	Pb-W-ChelCol-ICPMS-TR	72			UDE-SL1201	8/2/2012	
1225015-18	B121109	Cd-W-ChelCol-ICPMS-TR	73			UDE-SL1201	8/2/2012	
1225015-18	B121109	Cu-W-ChelCol-ICPMS-TR	74			UDE-SL1201	8/2/2012	
1225015-18	B121109	Pb-W-ChelCol-ICPMS-TR	75			UDE-SL1201	8/2/2012	
1225015-19	B121109	Cd-W-ChelCol-ICPMS-TR	76			UDE-SL1201	8/2/2012	
1225015-19	B121109	Cu-W-ChelCol-ICPMS-TR	77			UDE-SL1201	8/2/2012	
1225015-19	B121109	Pb-W-ChelCol-ICPMS-TR	78			UDE-SL1201	8/2/2012	

ANALYSIS SEQUENCE

1200507

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B121109-DUP2	B121109	QC	79		1225015-19			
B121109-MS2	B121109	QC	80		1225015-19			
1200507-CCV5	1200507	QC	81	1227097	-			
1200507-CCB5	1200507	QC	82		-			
B121109-MSD2	B121109	QC	83		1225015-19			
1225015-20	B121109	Cd-W-ChelCol-ICPMS-TR	84			UDE-SL1201	8/2/2012	
1225015-20	B121109	Cu-W-ChelCol-ICPMS-TR	85			UDE-SL1201	8/2/2012	
1225015-20	B121109	Pb-W-ChelCol-ICPMS-TR	86			UDE-SL1201	8/2/2012	
1225015-21	B121109	Cd-W-ChelCol-ICPMS-TR	87			UDE-SL1201	8/2/2012	
1225015-21	B121109	Cu-W-ChelCol-ICPMS-TR	88			UDE-SL1201	8/2/2012	
1225015-21	B121109	Pb-W-ChelCol-ICPMS-TR	89			UDE-SL1201	8/2/2012	
1225015-22	B121109	Cd-W-ChelCol-ICPMS-TR	90			UDE-SL1201	8/2/2012	
1225015-22	B121109	Cu-W-ChelCol-ICPMS-TR	91			UDE-SL1201	8/2/2012	
1225015-22	B121109	Pb-W-ChelCol-ICPMS-TR	92			UDE-SL1201	8/2/2012	
1225015-23	B121109	Pb-W-ChelCol-ICPMS-TR	93			UDE-SL1201	8/2/2012	
1225015-23	B121109	Cu-W-ChelCol-ICPMS-TR	94			UDE-SL1201	8/2/2012	
1225015-23	B121109	Cd-W-ChelCol-ICPMS-TR	95			UDE-SL1201	8/2/2012	
1225015-24	B121109	Pb-W-ChelCol-ICPMS-TR	96			UDE-SL1201	8/2/2012	
1225015-24	B121109	Cu-W-ChelCol-ICPMS-TR	97			UDE-SL1201	8/2/2012	
1225015-24	B121109	Cd-W-ChelCol-ICPMS-TR	98			UDE-SL1201	8/2/2012	
1225015-25	B121109	Pb-W-ChelCol-ICPMS-TR	99			UDE-SL1201	8/2/2012	
1225015-25	B121109	Cu-W-ChelCol-ICPMS-TR	100			UDE-SL1201	8/2/2012	
1225015-25	B121109	Cd-W-ChelCol-ICPMS-TR	101			UDE-SL1201	8/2/2012	
1225015-26	B121109	Pb-W-ChelCol-ICPMS-TR	102			UDE-SL1201	8/2/2012	
1225015-26	B121109	Cu-W-ChelCol-ICPMS-TR	103			UDE-SL1201	8/2/2012	
1225015-26	B121109	Cd-W-ChelCol-ICPMS-TR	104			UDE-SL1201	8/2/2012	

ANALYSIS SEQUENCE

1200507

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1225015-27	B121109	Pb-W-ChelCol-ICPMS-TR	105			UDE-SL1201	8/2/2012	
1225015-27	B121109	Cu-W-ChelCol-ICPMS-TR	106			UDE-SL1201	8/2/2012	
1225015-27	B121109	Cd-W-ChelCol-ICPMS-TR	107			UDE-SL1201	8/2/2012	
1200507-CCV6	1200507	QC	108	1227097	-			
1200507-CCB6	1200507	QC	109		-			

ICP-MS Analysis Benchsheet Batch No: B120680, B121109

BR-0063

Analyst: MEL Date: 7/6/2012

Instrument ID: ICPMS2 cHNO3 ID: 1223064 cHCl ID: NA

Calibration recorded in LIMS Int Std: N/A SEQ: 1200507

A/S #	Batch	Sample ID	Dilution	Comments
1		warm up		
1		warm up		
1		warm up		
1		SEQ-ICB1		
2		SEQ-CAL1		1227100
3		SEQ-CAL2		1227099
4		SEQ-CAL3		1227098
5		SEQ-CAL4		1227097
6		SEQ-CAL5		1227096
7		SEQ-CAL6		1227095
8		SEQ-CAL7		1227094
1		SEQ-ICB2		
434		rinse		
101		SEQ-ICV1		1222023
434		rinse		
102		SEQ-ICV2		1222024
434		rinse		
1		SEQ-ICB3		
434		rinse		
103		SEQ-IBL1		
434		rinse		
104		SEQ-IBL2		
434		rinse		
105		SEQ-IBL3		
434		rinse		
106		SEQ-IBL4		
434		rinse		
107		SEQ-SCV1		cass-5 1131009; 1151023
434		rinse		
108		SEQ-SCV2		slew-3 1131010; 1214034
434		rinse		
5		SEQ-CCV1		
434		rinse		
1		SEQ-CCB1		
434		rinse		
201	B120680	B120680-BLK1		
434		rinse		
202	B120680	B120680-BLK2		
434		rinse		

203	B120680	B120680-BLK3		
434		rinse		
204	B120680	B120680-BLK4		
434		rinse		
205	B120680	B120680-BS1		LOD1
434		rinse		
206	B120680	B120680-BS2		LOD2
434		rinse		
207	B120680	B120680-BS3		LOD3
434		rinse		
208	B120680	B120680-BS4		LOD4
434		rinse		
5		SEQ-CCV2		
434		rinse		
1		SEQ-CCB2		
434		rinse		
209	B120680	B120680-BS5		IPR1
434		rinse		
210	B120680	B120680-BS6		IPR2
434		rinse		
211	B120680	B120680-BS7		IPR3
434		rinse		
212	B120680	B120680-BS8		IPR4
434		rinse		
5		SEQ-CCV3		
434		rinse		
1		SEQ-CCB3		
434		rinse		
301	B121109	B121109-BLK1		
434		rinse		
302	B121109	B121109-BLK2		
434		rinse		
303	B121109	B121109-BLK3		
434		rinse		
304	B121109	B121109-BLK4		
434		rinse		
305	B121109	B121109-BS1	5X	
434		rinse		
306	B121109	1225015-13		
434		rinse		
307	B121109	1225015-01	10x	
434		rinse		
308	B121109	1225015-02	10x	
434		rinse		
309	B121109	1225015-11	10x	
434		rinse		
310	B121109	B121109-DUP1	10x	1225015-11
434		rinse		
5		SEQ-CCV4		
434		rinse		
1		SEQ-CCB4		
434		rinse		

Confirmed w/MEQ. Tubes switched for LOD2 & 3. In PDF LOD2 labeled "LOD3" & vice versa.

311	B121109	B121109-MS1	10x	10ul of 1227092 up to 5ml
434		rinse		
312	B121109	B121109-MSD1	10x	10ul of 1227092 up to 5ml
434		rinse		
313	B121109	1225015-12	10x	
434		rinse		
314	B121109	1225015-14	10x	
434		rinse		
315	B121109	1225015-16	10x	
434		rinse		
316	B121109	1225015-17	10x	
434		rinse		
317	B121109	1225015-18	10x	
434		rinse		
318	B121109	1225015-19	10x	
434		rinse		
319	B121109	B121109-DUP1 DUP2	10x	1225015-19
434		rinse		
320	B121109	B121109-MS1 MS2	10x	10ul of 1227092 up to 5ml
434		rinse		
5		SEQ-CCV5		
434		rinse		
1		SEQ-CCB5		
434		rinse		
321	B121109	B121109-MSD1 MSD2	10x	10ul of 1227092 up to 5ml
434		rinse		
322	B121109	1225015-20	10x	
434		rinse		
323	B121109	1225015-21	10x	
434		rinse		
324	B121109	1225015-22	10x	
434		rinse		
325	B121109	1225015-23	10x	
434		rinse		
326	B121109	1225015-24	10x	
434		rinse		
327	B121109	1225015-25	10x	
434		rinse		
328	B121109	1225015-26	10x	
434		rinse		
329	B121109	1225015-27	10x	
434		rinse		
5		SEQ-CCV6		
434		rinse		
1		SEQ-CCB6		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		

Trace Metals Method BR-0065 Rev ___ (ICP-MS)

1% Nitric Acid Digestion

Batch #(s): B121109, 1110, 1111

Page 1 of 1

Workorder #(s): 1225015, 5016

Preparation Date and Time*: 6/25/12 1135

Prepared By: CcE

Date and Time of Finished Preparation: 6/26/12 0925

* Time is when the first reagents are added.

Sample ID	Sample Vol.(mL)	Acid Added (mL)
BLK1	125	1.25
BLK2		
BLK3		
BLK4		
BS1		
1225015-01	~~125~~ 250 6/26/12	0.0
-02		
-11		
-12		
-13		
-14		
-16		
-17		
-18		
-19		
-20		
-21		
-22		
-23		
-24		
-25		

Sample ID	Sample Vol.(mL)	Acid Added (mL)
1225015-26	~~125~~ 250 6/26/12	0.0
-27		
1225016-02	250	2.25
-03		
-04		
-07		

6/25/12 CE

Balance ID: BL-01

Oven ID: OV-02

HNO_3 ID: 1220050

Bottle lot #: 12-154

circle 125mL or 250mL	standard	mL to add to 125mL bottle	mL to add to 250mL bottle	LIMS ID
BS1	ML-1	2.5	5	1210062
	~~0.02 ppm Ag~~	~~2.5~~	~~5~~	
	0.02 ppm Sb	2.5	5	
	0.10 ppm Sn	2.5	5	
	1 ppm Y	1.25	2.5	

6/25/12 CE

Spike Witness Initials/Date: TMH 6/25/12

Target Oven Temperature: 85°C

Time/Temp* In: M:86°C C:85°C 1220 6/25/12

Time/Temp* Out: M:89°C C:88°C 0925 6/26/12

Thermometer ID: TM-01

*** Both measured and corrected temperatures must be recorded.**

Comments: Δ: pre-preserved w/0.1% HNO_3. O: pre-preserved w/1% HNO_3. vol. est. w/ingl25mL ref. bottle.

Sample Information

Report Title: QUANTITATIVE ANALYSIS REPORT
Batch ID:
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013
Tuning File: C:\Elandata\Tuning\Default.tun
Optimization File: C:\Elandata\Optimize\Default.dac
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Calibration Type: External Calibration

Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
V-Precon	51	Weighted Linear	69.075	-119.675	0.999824	25.000000
Fe-Precon	54	Weighted Linear	9.215	-426.033	0.999631	50.000000
Fe-Precon	56	Weighted Linear	177.699	-7610.061	0.999531	50.000000
Fe-Precon	57	Weighted Linear	4.517	-205.807	0.999387	50.000000
Co-Precon	59	Weighted Linear	206.578	-58.618	0.999949	10.000000
Ni-Precon	60	Weighted Linear	41.467	-4.929	0.999821	10.000000
Cu-Precon	63	Weighted Linear	90.165	-60.588	0.999872	10.000000
Cu-Precon	65	Weighted Linear	42.371	-24.360	0.999542	10.000000
Zn-Precon	66	Weighted Linear	28.293	-54.695	0.999838	50.000000
Zn-Precon	68	Weighted Linear	18.957	-110.982	0.999901	50.000000
Cd-Precon	111	Weighted Linear	31.195	-16.746	0.999980	10.000000
Cd-Precon	114	Weighted Linear	78.446	-49.160	0.999968	10.000000
Pb-Precon	208	Weighted Linear	354.200	-162.601	0.999898	10.000000
Tb-Precon	159	Linear Thru Zero				

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-ICB1
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 15:42:56
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51		49			ng/L
Fe-Precon	54		690			ng/L
Fe-Precon	56		13194			ng/L
Fe-Precon	57		438			ng/L
Co-Precon	59		105			ng/L
Ni-Precon	60		53			ng/L
Cu-Precon	63		222			ng/L
Cu-Precon	65		109			ng/L
Zn-Precon	66		495			ng/L
Zn-Precon	68		414			ng/L
Cd-Precon	111		2			ng/L
Cd-Precon	114		9			ng/L
Pb-Precon	208		513			ng/L
Tb-Precon	159		7			mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL1
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 15:56:05
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-CAL1.014
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	1649	1600.256977	**24.8996**	ng/L
Fe-Precon	54	690	729	39.335092	**50.4990**	ng/L
Fe-Precon	56	13194	14548	1354.066383	**50.4455**	ng/L
Fe-Precon	57	438	464	25.983150	**51.3156**	ng/L
Co-Precon	59	105	2102	1997.460767	**9.9531**	ng/L
Ni-Precon	60	53	462	408.396503	**9.9676**	ng/L
Cu-Precon	63	222	1064	842.919255	**10.0207**	ng/L
Cu-Precon	65	109	517	408.356093	**10.2127**	ng/L
Zn-Precon	66	495	1868	1373.245574	**50.4705**	ng/L
Zn-Precon	68	414	1244	829.395806	**49.6068**	ng/L
Cd-Precon	111	2	297	295.060438	**9.9954**	ng/L
Cd-Precon	114	9	744	734.383868	**9.9883**	ng/L
Pb-Precon	208	513	3889	3376.825388	**9.9927**	ng/L
Tb-Precon	159	7	8	0.363639		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL2
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 16:09:14
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-CAL2.015
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	3410	3361.498742	**50.3972**	ng/L
Fe-Precon	54	690	1173	483.378716	**98.6839**	ng/L
Fe-Precon	56	13194	23309	10115.584613	**99.7508**	ng/L
Fe-Precon	57	438	667	229.016984	**96.2648**	ng/L
Co-Precon	59	105	4215	4110.546750	**20.1821**	ng/L
Ni-Precon	60	53	892	838.094385	**20.3300**	ng/L
Cu-Precon	63	222	1959	1737.362696	**19.9408**	ng/L
Cu-Precon	65	109	901	791.971775	**19.2665**	ng/L
Zn-Precon	66	495	3223	2728.006999	**98.3545**	ng/L
Zn-Precon	68	414	2232	1817.480710	**101.7303**	ng/L
Cd-Precon	111	2	610	607.843293	**20.0221**	ng/L
Cd-Precon	114	9	1535	1525.302805	**20.0707**	ng/L
Pb-Precon	208	513	7433	6920.222938	**19.9967**	ng/L
Tb-Precon	159	7	9	1.942859		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL3
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 16:22:23
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 4

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-CAL3.016
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	8581	8532.836069	**125.2631**	ng/L
Fe-Precon	54	690	2530	1840.852851	**245.9890**	ng/L
Fe-Precon	56	13194	48575	35381.738787	**241.9357**	ng/L
Fe-Precon	57	438	1320	881.827068	**240.7891**	ng/L
Co-Precon	59	105	10373	10268.153338	**49.9898**	ng/L
Ni-Precon	60	53	2064	2010.179060	**48.5956**	ng/L
Cu-Precon	63	222	4645	4423.017774	**49.7269**	ng/L
Cu-Precon	65	109	2161	2051.737036	**48.9986**	ng/L
Zn-Precon	66	495	7461	6966.293860	**248.1565**	ng/L
Zn-Precon	68	414	5032	4618.115733	**249.4693**	ng/L
Cd-Precon	111	2	1545	1543.000061	**49.9998**	ng/L
Cd-Precon	114	9	3874	3865.047188	**49.8969**	ng/L
Pb-Precon	208	513	18014	17501.598643	**49.8707**	ng/L
Tb-Precon	159	7	10	2.341130		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL4
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 16:35:31
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-CAL4.017
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	17217	17168.300119	**250.2794**	ng/L
Fe-Precon	54	690	4883	4193.459356	**501.2798**	ng/L
Fe-Precon	56	13194	93541	80347.890653	**494.9819**	ng/L
Fe-Precon	57	438	2481	2042.372733	**497.7199**	ng/L
Co-Precon	59	105	20790	20685.839058	**100.4196**	ng/L
Ni-Precon	60	53	4225	4171.654323	**100.7209**	ng/L
Cu-Precon	63	222	9256	9034.874901	**100.8763**	ng/L
Cu-Precon	65	109	4377	4267.456489	**101.2924**	ng/L
Zn-Precon	66	495	14670	14175.222068	**502.9558**	ng/L
Zn-Precon	68	414	9780	9365.825415	**499.9204**	ng/L
Cd-Precon	111	2	3108	3105.450733	**100.0862**	ng/L
Cd-Precon	114	9	7804	7794.711813	**99.9908**	ng/L
Pb-Precon	208	513	36390	35877.107714	**101.7496**	ng/L
Tb-Precon	159	7	9	1.600002		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL5
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 16:48:40
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-CAL5.018
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	84652	84603.683605	**1226.5470**	ng/L
Fe-Precon	54	690	22734	22044.321295	**2438.3492**	ng/L
Fe-Precon	56	13194	443075	429881.846409	**2461.9786**	ng/L
Fe-Precon	57	438	11539	11101.172076	**2503.2289**	ng/L
Co-Precon	59	105	102676	102571.226503	**496.8099**	ng/L
Ni-Precon	60	53	20711	20657.122302	**498.2780**	ng/L
Cu-Precon	63	222	44598	44376.969847	**492.8496**	ng/L
Cu-Precon	65	109	20995	20885.878176	**493.5087**	ng/L
Zn-Precon	66	495	69916	69420.724437	**2455.6055**	ng/L
Zn-Precon	68	414	46952	46537.729453	**2460.8123**	ng/L
Cd-Precon	111	2	15459	15457.135704	**496.0361**	ng/L
Cd-Precon	114	9	38903	38893.875276	**496.4315**	ng/L
Pb-Precon	208	513	174335	173822.860933	**491.2070**	ng/L
Tb-Precon	159	7	11	3.109960		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL6
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 17:01:49
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 7

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-CAL6.019
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	169652	169603.905511	**2457.1022**	ng/L
Fe-Precon	54	690	46135	45445.007031	**4977.6524**	ng/L
Fe-Precon	56	13194	893371	880177.652408	**4996.0109**	ng/L
Fe-Precon	57	438	22988	22550.065810	**5037.8760**	ng/L
Co-Precon	59	105	203944	203839.566846	**987.0290**	ng/L
Ni-Precon	60	53	41170	41116.129952	**991.6595**	ng/L
Cu-Precon	63	222	89129	88907.464121	**986.7299**	ng/L
Cu-Precon	65	109	42313	42203.965333	**996.6432**	ng/L
Zn-Precon	66	495	141973	141478.310204	**5002.4775**	ng/L
Zn-Precon	68	414	94485	94071.004573	**4968.2870**	ng/L
Cd-Precon	111	2	31066	31063.475610	**996.3183**	ng/L
Cd-Precon	114	9	77916	77906.318330	**993.7479**	ng/L
Pb-Precon	208	513	351069	350556.554694	**990.1730**	ng/L
Tb-Precon	159	7	13	5.129013		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL7
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 17:14:58
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 8

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-CAL7.020
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	888203	888154.799409	**12859.6225**	ng/L
Fe-Precon	54	690	241199	240509.446807	**26144.8853**	ng/L
Fe-Precon	56	13194	4678554	4665360.022125	**26297.0631**	ng/L
Fe-Precon	57	438	118077	117638.988065	**26089.4175**	ng/L
Co-Precon	59	105	1044246	1044141.140454	**5054.7556**	ng/L
Ni-Precon	60	53	211406	211352.647418	**5097.0174**	ng/L
Cu-Precon	63	222	462329	462107.512063	**5125.8296**	ng/L
Cu-Precon	65	109	220169	220059.429184	**5194.2623**	ng/L
Zn-Precon	66	495	725982	725487.341683	**25644.2498**	ng/L
Zn-Precon	68	414	481262	480847.465990	**25371.5140**	ng/L
Cd-Precon	111	2	157538	157535.629820	**5050.5532**	ng/L
Cd-Precon	114	9	397358	397348.423899	**5065.8787**	ng/L
Pb-Precon	208	513	1795071	1794558.706484	**5066.9732**	ng/L
Tb-Precon	159	7	16	8.322092		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-ICB2

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 17:28:07
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB2.021
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	10906	10857.871953	**158.9229**	ng/L
Fe-Precon	54	690	5610	4920.490807	**580.1730**	ng/L
Fe-Precon	56	13194	107523	94329.131410	**573.6611**	ng/L
Fe-Precon	57	438	2885	2446.702640	**587.2337**	ng/L
Co-Precon	59	105	3019	2914.675111	**14.3931**	ng/L
Ni-Precon	60	53	1003	949.579205	**23.0185**	ng/L
Cu-Precon	63	222	14901	14679.591422	**163.4809**	ng/L
Cu-Precon	65	109	7077	6967.493619	**165.0168**	ng/L
Zn-Precon	66	495	3129	2634.385257	**95.0454**	ng/L
Zn-Precon	68	414	2104	1689.812028	**94.9955**	ng/L
Cd-Precon	111	2	215	212.365120	**7.3445**	ng/L
Cd-Precon	114	9	560	551.180619	**7.6529**	ng/L
Pb-Precon	208	513	4618	4105.175093	**12.0491**	ng/L
Tb-Precon	159	7	12	4.045027		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 17:41:19
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.022
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	2544	2495.856129	**37.8653**	ng/L
Fe-Precon	54	690	10602	9912.358181	**1121.8607**	ng/L
Fe-Precon	56	13194	203297	190103.442482	**1112.6295**	ng/L
Fe-Precon	57	438	5288	4849.552033	**1119.1956**	ng/L
Co-Precon	59	105	93	-11.982905	**0.2257**	ng/L
Ni-Precon	60	53	160	106.329081	**2.6831**	ng/L
Cu-Precon	63	222	19112	18890.918130	**210.1880**	ng/L
Cu-Precon	65	109	9048	8938.694322	**211.5397**	ng/L
Zn-Precon	66	495	296	-198.879869	**-5.0962**	ng/L
Zn-Precon	68	414	251	-163.527447	**-2.7719**	ng/L
Cd-Precon	111	2	4	1.366619	**0.5806**	ng/L
Cd-Precon	114	9	11	1.313484	**0.6434**	ng/L
Pb-Precon	208	513	383	-129.684827	**0.0929**	ng/L
Tb-Precon	159	7	12	4.727281		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-ICV1
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 17:54:31
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 101

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICV1.023
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	36781	36732.281342	**533.5088**	ng/L
Fe-Precon	54	690	234049	233359.857860	**25369.0544**	ng/L
Fe-Precon	56	13194	4619841	4606647.504455	**25966.6594**	ng/L
Fe-Precon	57	438	117429	116990.820744	**25945.9210**	ng/L
Co-Precon	59	105	53770	53665.745976	**260.0686**	ng/L
Ni-Precon	60	53	20886	20832.242954	**502.5012**	ng/L
Cu-Precon	63	222	46014	45792.445281	**508.5484**	ng/L
Cu-Precon	65	109	21655	21546.079032	**509.0903**	ng/L
Zn-Precon	66	495	15123	14628.092351	**518.9624**	ng/L
Zn-Precon	68	414	10006	9592.256549	**511.8651**	ng/L
Cd-Precon	111	2	1606	1604.177902	**51.9609**	ng/L
Cd-Precon	114	9	4278	4268.489047	**55.0398**	ng/L
Pb-Precon	208	513	91397	90884.531404	**257.0501**	ng/L
Tb-Precon	159	7	46	38.881550		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 18:07:43
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.024
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	1160	1111.805090	**17.8282**	ng/L
Fe-Precon	54	690	13560	12870.170533	**1442.8249**	ng/L
Fe-Precon	56	13194	263780	250586.885799	**1452.9991**	ng/L
Fe-Precon	57	438	6797	6358.878833	**1453.3424**	ng/L
Co-Precon	59	105	78	-26.286198	**0.1565**	ng/L
Ni-Precon	60	53	101	47.055110	**1.2536**	ng/L
Cu-Precon	63	222	3632	3410.476655	**38.4970**	ng/L
Cu-Precon	65	109	1699	1589.977117	**38.1005**	ng/L
Zn-Precon	66	495	262	-233.385077	**-6.3158**	ng/L
Zn-Precon	68	414	246	-168.548992	**-3.0368**	ng/L
Cd-Precon	111	2	2	0.334135	**0.5475**	ng/L
Cd-Precon	114	9	18	9.018720	**0.7416**	ng/L
Pb-Precon	208	513	371	-142.031717	**0.0581**	ng/L
Tb-Precon	159	7	11	3.127278		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-ICV2
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 18:20:55
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 102

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICV2.025
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	4280	4231.307108	**62.9895**	ng/L
Fe-Precon	54	690	23128	22438.039875	**2481.0732**	ng/L
Fe-Precon	56	13194	444832	431638.569334	**2471.8645**	ng/L
Fe-Precon	57	438	11550	11111.727210	**2505.5657**	ng/L
Co-Precon	59	105	5340	5235.325979	**25.6269**	ng/L
Ni-Precon	60	53	2100	2046.621104	**49.4744**	ng/L
Cu-Precon	63	222	4673	4451.589718	**50.0438**	ng/L
Cu-Precon	65	109	2202	2093.004376	**49.9725**	ng/L
Zn-Precon	66	495	1771	1275.536182	**47.0170**	ng/L
Zn-Precon	68	414	1242	827.871675	**49.5264**	ng/L
Cd-Precon	111	2	157	155.093667	**5.5086**	ng/L
Cd-Precon	114	9	427	418.124569	**5.9568**	ng/L
Pb-Precon	208	513	9420	8907.602558	**25.6076**	ng/L
Tb-Precon	159	7	14	6.244167		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 18:34:06
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.026
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	513	464.699005	**8.4600**	ng/L
Fe-Precon	54	690	2987	2297.005540	**295.4879**	ng/L
Fe-Precon	56	13194	56603	43409.072482	**287.1093**	ng/L
Fe-Precon	57	438	1551	1113.004971	**291.9691**	ng/L
Co-Precon	59	105	62	-42.601613	**0.0775**	ng/L
Ni-Precon	60	53	48	-5.087471	**-0.0038**	ng/L
Cu-Precon	63	222	962	740.326405	**8.8828**	ng/L
Cu-Precon	65	109	472	362.736597	**9.1360**	ng/L
Zn-Precon	66	495	260	-235.123996	**-6.3773**	ng/L
Zn-Precon	68	414	235	-179.018762	**-3.5891**	ng/L
Cd-Precon	111	2	3	0.866033	**0.5646**	ng/L
Cd-Precon	114	9	10	0.447670	**0.6324**	ng/L
Pb-Precon	208	513	326	-186.470550	**-0.0674**	ng/L
Tb-Precon	159	7	7	-0.380954		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-ICB3
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 18:47:18
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB3.027
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	438	389.954531	**7.3780**	ng/L
Fe-Precon	54	690	767	77.844150	**54.6777**	ng/L
Fe-Precon	56	13194	14774	1580.914081	**51.7221**	ng/L
Fe-Precon	57	438	482	44.008539	**55.3062**	ng/L
Co-Precon	59	105	82	-22.102625	**0.1768**	ng/L
Ni-Precon	60	53	57	3.937695	**0.2138**	ng/L
Cu-Precon	63	222	257	35.026465	**1.0604**	ng/L
Cu-Precon	65	109	129	19.429344	**1.0335**	ng/L
Zn-Precon	66	495	466	-28.861304	**0.9131**	ng/L
Zn-Precon	68	414	359	-55.037772	**2.9512**	ng/L
Cd-Precon	111	2	2	0.101867	**0.5401**	ng/L
Cd-Precon	114	9	12	2.536140	**0.6590**	ng/L
Pb-Precon	208	513	539	26.249128	**0.5332**	ng/L
Tb-Precon	159	7	11	3.494378		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 19:00:30
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.028
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	312	263.738121	**5.5507**	ng/L
Fe-Precon	54	690	834	144.296547	**61.8888**	ng/L
Fe-Precon	56	13194	16471	3277.728150	**61.2709**	ng/L
Fe-Precon	57	438	512	73.564679	**61.8496**	ng/L
Co-Precon	59	105	56	-48.842388	**0.0473**	ng/L
Ni-Precon	60	53	40	-13.229525	**-0.2002**	ng/L
Cu-Precon	63	222	492	270.748963	**3.6748**	ng/L
Cu-Precon	65	109	246	136.916058	**3.8063**	ng/L
Zn-Precon	66	495	247	-248.007577	**-6.8326**	ng/L
Zn-Precon	68	414	223	-191.074584	**-4.2250**	ng/L
Cd-Precon	111	2	3	0.676751	**0.5585**	ng/L
Cd-Precon	114	9	10	0.344039	**0.6311**	ng/L
Pb-Precon	208	513	339	-173.106306	**-0.0297**	ng/L
Tb-Precon	159	7	6	-1.433769		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-IBL1
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 19:13:41
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 103

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-IBL1.029
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	300	251.938691	**5.3799**	ng/L
Fe-Precon	54	690	877	187.805500	**66.6101**	ng/L
Fe-Precon	56	13194	17019	3825.653260	**64.3543**	ng/L
Fe-Precon	57	438	526	88.170799	**65.0832**	ng/L
Co-Precon	59	105	88	-16.374413	**0.2045**	ng/L
Ni-Precon	60	53	49	-4.117789	**0.0196**	ng/L
Cu-Precon	63	222	205	-16.585918	**0.4880**	ng/L
Cu-Precon	65	109	91	-18.528466	**0.1376**	ng/L
Zn-Precon	66	495	333	-162.180508	**-3.7991**	ng/L
Zn-Precon	68	414	257	-157.621709	**-2.4603**	ng/L
Cd-Precon	111	2	3	0.934758	**0.5668**	ng/L
Cd-Precon	114	9	7	-2.672640	**0.5926**	ng/L
Pb-Precon	208	513	435	-77.123463	**0.2413**	ng/L
Tb-Precon	159	7	7	-0.581820		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 19:26:52
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.030
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	226	177.112722	**4.2966**	ng/L
Fe-Precon	54	690	596	-93.725189	**36.0601**	ng/L
Fe-Precon	56	13194	11999	-1194.776785	**36.1019**	ng/L
Fe-Precon	57	438	376	-62.039789	**31.8284**	ng/L
Co-Precon	59	105	49	-55.297837	**0.0161**	ng/L
Ni-Precon	60	53	40	-13.745558	**-0.2126**	ng/L
Cu-Precon	63	222	431	209.224140	**2.9924**	ng/L
Cu-Precon	65	109	193	84.276302	**2.5640**	ng/L
Zn-Precon	66	495	239	-256.505528	**-7.1330**	ng/L
Zn-Precon	68	414	212	-201.984066	**-4.8005**	ng/L
Cd-Precon	111	2	1	-1.096546	**0.5017**	ng/L
Cd-Precon	114	9	9	-0.497604	**0.6203**	ng/L
Pb-Precon	208	513	333	-179.457082	**-0.0476**	ng/L
Tb-Precon	159	7	8	0.242425		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-IBL2
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 19:40:04
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 104

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-IBL2.031
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	221	172.271063	**4.2265**	ng/L
Fe-Precon	54	690	829	138.893486	**61.3025**	ng/L
Fe-Precon	56	13194	15697	2503.189342	**56.9121**	ng/L
Fe-Precon	57	438	489	50.579860	**56.7610**	ng/L
Co-Precon	59	105	84	-20.142381	**0.1863**	ng/L
Ni-Precon	60	53	47	-6.386199	**-0.0351**	ng/L
Cu-Precon	63	222	167	-54.263296	**0.0701**	ng/L
Cu-Precon	65	109	81	-27.671632	**-0.0782**	ng/L
Zn-Precon	66	495	298	-197.184928	**-5.0363**	ng/L
Zn-Precon	68	414	245	-169.608073	**-3.0926**	ng/L
Cd-Precon	111	2	2	-0.038717	**0.5356**	ng/L
Cd-Precon	114	9	5	-3.876273	**0.5773**	ng/L
Pb-Precon	208	513	424	-88.714896	**0.2086**	ng/L
Tb-Precon	159	7	5	-2.199137		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 19:53:15
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.032
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	180	131.593980	**3.6376**	ng/L
Fe-Precon	54	690	580	-109.346306	**34.3650**	ng/L
Fe-Precon	56	13194	11036	-2157.339311	**30.6851**	ng/L
Fe-Precon	57	438	352	-85.919390	**26.5417**	ng/L
Co-Precon	59	105	50	-54.698718	**0.0190**	ng/L
Ni-Precon	60	53	38	-15.286685	**-0.2498**	ng/L
Cu-Precon	63	222	405	183.406627	**2.7061**	ng/L
Cu-Precon	65	109	196	86.811658	**2.6238**	ng/L
Zn-Precon	66	495	254	-241.513763	**-6.6031**	ng/L
Zn-Precon	68	414	216	-198.288774	**-4.6056**	ng/L
Cd-Precon	111	2	2	0.322989	**0.5472**	ng/L
Cd-Precon	114	9	9	-0.769979	**0.6169**	ng/L
Pb-Precon	208	513	338	-174.916978	**-0.0348**	ng/L
Tb-Precon	159	7	10	2.202600		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-IBL3
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 20:06:27
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 105

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-IBL3.033
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	196	147.026568	**3.8611**	ng/L
Fe-Precon	54	690	803	113.431431	**58.5395**	ng/L
Fe-Precon	56	13194	15631	2437.829887	**56.5443**	ng/L
Fe-Precon	57	438	483	44.735869	**55.4672**	ng/L
Co-Precon	59	105	99	-5.797533	**0.2557**	ng/L
Ni-Precon	60	53	43	-10.292724	**-0.1293**	ng/L
Cu-Precon	63	222	174	-47.146433	**0.1491**	ng/L
Cu-Precon	65	109	84	-24.682831	**-0.0076**	ng/L
Zn-Precon	66	495	329	-165.781860	**-3.9264**	ng/L
Zn-Precon	68	414	290	-124.318398	**-0.7035**	ng/L
Cd-Precon	111	2	1	-0.953537	**0.5063**	ng/L
Cd-Precon	114	9	4	-4.925134	**0.5639**	ng/L
Pb-Precon	208	513	404	-109.038728	**0.1512**	ng/L
Tb-Precon	159	7	10	2.420783		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 20:19:38
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.034
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	142	93.819768	**3.0908**	ng/L
Fe-Precon	54	690	522	-167.810303	**28.0208**	ng/L
Fe-Precon	56	13194	9672	-3522.040559	**23.0053**	ng/L
Fe-Precon	57	438	329	-109.640669	**21.2901**	ng/L
Co-Precon	59	105	46	-58.206951	**0.0020**	ng/L
Ni-Precon	60	53	39	-14.465895	**-0.2300**	ng/L
Cu-Precon	63	222	360	138.713740	**2.2104**	ng/L
Cu-Precon	65	109	186	77.353009	**2.4006**	ng/L
Zn-Precon	66	495	227	-267.914397	**-7.5362**	ng/L
Zn-Precon	68	414	227	-187.081370	**-4.0144**	ng/L
Cd-Precon	111	2	3	0.599978	**0.5561**	ng/L
Cd-Precon	114	9	11	1.489233	**0.6457**	ng/L
Pb-Precon	208	513	293	-219.650261	**-0.1611**	ng/L
Tb-Precon	159	7	9	1.274460		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-IBL4
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 20:32:49
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 106

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-IBL4.035
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	141	92.178283	**3.0670**	ng/L
Fe-Precon	54	690	752	61.940179	**52.9519**	ng/L
Fe-Precon	56	13194	14488	1294.024868	**50.1076**	ng/L
Fe-Precon	57	438	442	4.057838	**46.4616**	ng/L
Co-Precon	59	105	82	-22.081754	**0.1769**	ng/L
Ni-Precon	60	53	42	-11.809607	**-0.1659**	ng/L
Cu-Precon	63	222	173	-48.039956	**0.1392**	ng/L
Cu-Precon	65	109	78	-31.082897	**-0.1587**	ng/L
Zn-Precon	66	495	311	-184.096155	**-4.5737**	ng/L
Zn-Precon	68	414	251	-163.463942	**-2.7685**	ng/L
Cd-Precon	111	2	2	0.005229	**0.5370**	ng/L
Cd-Precon	114	9	8	-1.350009	**0.6095**	ng/L
Pb-Precon	208	513	446	-66.314116	**0.2718**	ng/L
Tb-Precon	159	7	7	-0.259742		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 20:46:00
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.036
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	121	72.378600	**2.7804**	ng/L
Fe-Precon	54	690	505	-184.376401	**26.2231**	ng/L
Fe-Precon	56	13194	9552	-3641.929236	**22.3306**	ng/L
Fe-Precon	57	438	328	-110.575554	**21.0831**	ng/L
Co-Precon	59	105	56	-49.025950	**0.0464**	ng/L
Ni-Precon	60	53	36	-17.381930	**-0.3003**	ng/L
Cu-Precon	63	222	357	135.617505	**2.1761**	ng/L
Cu-Precon	65	109	164	54.453648	**1.8601**	ng/L
Zn-Precon	66	495	192	-303.112700	**-8.7803**	ng/L
Zn-Precon	68	414	190	-224.512905	**-5.9890**	ng/L
Cd-Precon	111	2	3	0.404115	**0.5498**	ng/L
Cd-Precon	114	9	6	-3.161190	**0.5864**	ng/L
Pb-Precon	208	513	298	-214.262464	**-0.1459**	ng/L
Tb-Precon	159	7	8	0.786148		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-SCV1
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 20:59:11
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 107

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-SCV1.037
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	79536	79487.775749	**1152.4836**	ng/L
Fe-Precon	54	690	14611	13921.405478	**1556.8987**	ng/L
Fe-Precon	56	13194	284320	271126.879602	**1568.5876**	ng/L
Fe-Precon	57	438	7739	7300.583600	**1661.8245**	ng/L
Co-Precon	59	105	18663	18558.852475	**90.1233**	ng/L
Ni-Precon	60	53	13362	13308.560862	**321.0630**	ng/L
Cu-Precon	63	222	30758	30536.423248	**339.3464**	ng/L
Cu-Precon	65	109	14668	14558.587302	**344.1764**	ng/L
Zn-Precon	66	495	20370	19874.574708	**704.3991**	ng/L
Zn-Precon	68	414	13624	13209.622969	**702.6884**	ng/L
Cd-Precon	111	2	247	245.073439	**8.3930**	ng/L
Cd-Precon	114	9	961	952.109939	**12.7638**	ng/L
Pb-Precon	208	513	3501	2988.416400	**8.8962**	ng/L
Tb-Precon	159	7	3371	3363.710024		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 21:12:22
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.038
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	821	772.126025	**12.9107**	ng/L
Fe-Precon	54	690	616	-73.313650	**38.2750**	ng/L
Fe-Precon	56	13194	12047	-1146.498997	**36.3736**	ng/L
Fe-Precon	57	438	389	-49.581554	**34.5865**	ng/L
Co-Precon	59	105	58	-47.017215	**0.0562**	ng/L
Ni-Precon	60	53	69	15.636531	**0.4959**	ng/L
Cu-Precon	63	222	3427	3205.183916	**36.2201**	ng/L
Cu-Precon	65	109	1629	1519.914860	**36.4469**	ng/L
Zn-Precon	66	495	216	-279.035129	**-7.9293**	ng/L
Zn-Precon	68	414	195	-219.217245	**-5.7096**	ng/L
Cd-Precon	111	2	-6	-7.843671	**0.2854**	ng/L
Cd-Precon	114	9	-0	-9.544517	**0.5050**	ng/L
Pb-Precon	208	513	310	-202.683148	**-0.1132**	ng/L
Tb-Precon	159	7	65	57.801188		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-SCV2
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 21:25:33
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 108

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-SCV2.039
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	184424	184375.930962	**2670.9580**	ng/L
Fe-Precon	54	690	5897	5206.886622	**611.2509**	ng/L
Fe-Precon	56	13194	115514	102320.338126	**618.6315**	ng/L
Fe-Precon	57	438	3252	2813.876019	**668.5215**	ng/L
Co-Precon	59	105	9139	9034.011416	**44.0155**	ng/L
Ni-Precon	60	53	53652	53598.972607	**1292.6909**	ng/L
Cu-Precon	63	222	129929	129707.444480	**1439.2357**	ng/L
Cu-Precon	65	109	62187	62078.025473	**1465.6967**	ng/L
Zn-Precon	66	495	5176	4681.479409	**167.3999**	ng/L
Zn-Precon	68	414	2941	2526.808786	**139.1487**	ng/L
Cd-Precon	111	2	1262	1260.243728	**40.9356**	ng/L
Cd-Precon	114	9	3378	3368.450621	**43.5665**	ng/L
Pb-Precon	208	513	2639	2126.462225	**6.4626**	ng/L
Tb-Precon	159	7	2060	2052.271906		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 21:38:44
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.040
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	2090	2041.386158	**31.2859**	ng/L
Fe-Precon	54	690	511	-178.948663	**26.8121**	ng/L
Fe-Precon	56	13194	9791	-3402.086213	**23.6803**	ng/L
Fe-Precon	57	438	331	-107.105330	**21.8514**	ng/L
Co-Precon	59	105	60	-44.769612	**0.0670**	ng/L
Ni-Precon	60	53	200	146.167552	**3.6438**	ng/L
Cu-Precon	63	222	13667	13445.063219	**149.7889**	ng/L
Cu-Precon	65	109	6430	6321.131153	**149.7618**	ng/L
Zn-Precon	66	495	225	-269.978927	**-7.6092**	ng/L
Zn-Precon	68	414	196	-218.244327	**-5.6583**	ng/L
Cd-Precon	111	2	-3	-4.858348	**0.3811**	ng/L
Cd-Precon	114	9	1	-8.606293	**0.5170**	ng/L
Pb-Precon	208	513	329	-183.380723	**-0.0587**	ng/L
Tb-Precon	159	7	38	30.202707		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV1
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 21:51:56
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-CCV1.041
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	16959	16910.426741	**246.5462**	ng/L
Fe-Precon	54	690	4312	3622.510497	**439.3239**	ng/L
Fe-Precon	56	13194	83262	70068.360184	**437.1340**	ng/L
Fe-Precon	57	438	2257	1818.410156	**448.1373**	ng/L
Co-Precon	59	105	19619	19514.689705	**94.7503**	ng/L
Ni-Precon	60	53	3979	3925.994350	**94.7966**	ng/L
Cu-Precon	63	222	8576	8354.658066	**93.3321**	ng/L
Cu-Precon	65	109	4071	3961.700573	**94.0762**	ng/L
Zn-Precon	66	495	13936	13440.743160	**476.9956**	ng/L
Zn-Precon	68	414	9209	8795.134508	**469.8154**	ng/L
Cd-Precon	111	2	2993	2990.736341	**96.4089**	ng/L
Cd-Precon	114	9	7335	7326.147791	**94.0177**	ng/L
Pb-Precon	208	513	33863	33350.259455	**94.6157**	ng/L
Tb-Precon	159	7	16	8.685731		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 22:05:07
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.042
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	275	226.451623	**5.0109**	ng/L
Fe-Precon	54	690	738	48.099659	**51.4501**	ng/L
Fe-Precon	56	13194	14456	1262.929411	**49.9326**	ng/L
Fe-Precon	57	438	464	25.516168	**51.2122**	ng/L
Co-Precon	59	105	55	-49.940190	**0.0420**	ng/L
Ni-Precon	60	53	61	7.584484	**0.3018**	ng/L
Cu-Precon	63	222	1346	1124.330958	**13.1417**	ng/L
Cu-Precon	65	109	643	534.222090	**13.1833**	ng/L
Zn-Precon	66	495	217	-278.203839	**-7.8999**	ng/L
Zn-Precon	68	414	171	-243.318753	**-6.9810**	ng/L
Cd-Precon	111	2	2	-0.068152	**0.5346**	ng/L
Cd-Precon	114	9	5	-4.201338	**0.5731**	ng/L
Pb-Precon	208	513	284	-228.673032	**-0.1865**	ng/L
Tb-Precon	159	7	12	4.228580		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB1
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 06, 2012 22:18:19
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-CCB1.043
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	151	102.634015	**3.2184**	ng/L
Fe-Precon	54	690	580	-109.828122	**34.3127**	ng/L
Fe-Precon	56	13194	11156	-2037.513909	**31.3594**	ng/L
Fe-Precon	57	438	378	-60.005770	**32.2787**	ng/L
Co-Precon	59	105	74	-30.130442	**0.1379**	ng/L
Ni-Precon	60	53	51	-2.379227	**0.0615**	ng/L
Cu-Precon	63	222	238	16.389932	**0.8538**	ng/L
Cu-Precon	65	109	123	14.078528	**0.9072**	ng/L
Zn-Precon	66	495	407	-87.933622	**-1.1748**	ng/L
Zn-Precon	68	414	323	-90.869902	**1.0610**	ng/L
Cd-Precon	111	2	2	-0.263861	**0.5284**	ng/L
Cd-Precon	114	9	8	-1.220191	**0.6111**	ng/L
Pb-Precon	208	513	512	-0.229433	**0.4584**	ng/L
Tb-Precon	159	7	9	1.596537		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV3
Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 04:53:32
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-CCV3.073
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	15308	15259.836460	**222.6505**	ng/L
Fe-Precon	54	690	4299	3609.549371	**437.9174**	ng/L
Fe-Precon	56	13194	83722	70528.763770	**439.7250**	ng/L
Fe-Precon	57	438	2255	1816.601853	**447.7370**	ng/L
Co-Precon	59	105	19201	19096.166795	**92.7244**	ng/L
Ni-Precon	60	53	3917	3863.920766	**93.2997**	ng/L
Cu-Precon	63	222	8364	8142.860755	**90.9831**	ng/L
Cu-Precon	65	109	4028	3918.653052	**93.0602**	ng/L
Zn-Precon	66	495	13868	13372.533154	**474.5848**	ng/L
Zn-Precon	68	414	9208	8793.431016	**469.7255**	ng/L
Cd-Precon	111	2	3000	2998.156938	**96.6468**	ng/L
Cd-Precon	114	9	7409	7399.900268	**94.9579**	ng/L
Pb-Precon	208	513	34335	33822.789125	**95.9497**	ng/L
Tb-Precon	159	7	7	-0.038095		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 05:06:43
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.074
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	149	100.943750	**3.1939**	ng/L
Fe-Precon	54	690	1129	438.965367	**93.8645**	ng/L
Fe-Precon	56	13194	22443	9249.500929	**94.8769**	ng/L
Fe-Precon	57	438	664	226.219386	**95.6455**	ng/L
Co-Precon	59	105	52	-52.904728	**0.0277**	ng/L
Ni-Precon	60	53	52	-1.118616	**0.0919**	ng/L
Cu-Precon	63	222	983	761.597220	**9.1187**	ng/L
Cu-Precon	65	109	478	368.911416	**9.2817**	ng/L
Zn-Precon	66	495	218	-276.881178	**-7.8532**	ng/L
Zn-Precon	68	414	189	-225.510307	**-6.0416**	ng/L
Cd-Precon	111	2	3	1.051177	**0.5705**	ng/L
Cd-Precon	114	9	8	-1.510822	**0.6074**	ng/L
Pb-Precon	208	513	319	-193.203195	**-0.0864**	ng/L
Tb-Precon	159	7	7	-0.266666		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB3

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 05:19:55
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-CCB3.075
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	72	23.698955	**2.0756**	ng/L
Fe-Precon	54	690	622	-67.668714	**38.8876**	ng/L
Fe-Precon	56	13194	11831	-1362.836131	**35.1562**	ng/L
Fe-Precon	57	438	365	-72.698959	**29.4686**	ng/L
Co-Precon	59	105	61	-43.831081	**0.0716**	ng/L
Ni-Precon	60	53	51	-2.604344	**0.0561**	ng/L
Cu-Precon	63	222	219	-2.153654	**0.6481**	ng/L
Cu-Precon	65	109	109	-0.325494	**0.5673**	ng/L
Zn-Precon	66	495	398	-97.062653	**-1.4975**	ng/L
Zn-Precon	68	414	329	-84.950513	**1.3732**	ng/L
Cd-Precon	111	2	4	2.119095	**0.6048**	ng/L
Cd-Precon	114	9	6	-2.845354	**0.5904**	ng/L
Pb-Precon	208	513	583	70.737785	**0.6588**	ng/L
Tb-Precon	159	7	10	2.967970		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 05:33:07
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.076
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	46	-2.604373	**1.6948**	ng/L
Fe-Precon	54	690	590	-99.446527	**35.4392**	ng/L
Fe-Precon	56	13194	11294	-1899.564263	**32.1357**	ng/L
Fe-Precon	57	438	378	-60.331646	**32.2065**	ng/L
Co-Precon	59	105	47	-57.133369	**0.0072**	ng/L
Ni-Precon	60	53	37	-16.104011	**-0.2695**	ng/L
Cu-Precon	63	222	360	138.693127	**2.2102**	ng/L
Cu-Precon	65	109	178	68.407184	**2.1894**	ng/L
Zn-Precon	66	495	217	-277.583578	**-7.8780**	ng/L
Zn-Precon	68	414	192	-222.005081	**-5.8567**	ng/L
Cd-Precon	111	2	4	2.111203	**0.6045**	ng/L
Cd-Precon	114	9	7	-2.053132	**0.6005**	ng/L
Pb-Precon	208	513	339	-173.543408	**-0.0309**	ng/L
Tb-Precon	159	7	9	1.980954		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B121109-BLK1
Sample Description:
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 05:46:18
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 301

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\B121109-BLK1.077
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	147	98.090245	**3.1526**	ng/L
Fe-Precon	54	690	281	-408.419896	**1.9113**	ng/L
Fe-Precon	56	13194	5543	-7650.722904	**-0.2288**	ng/L
Fe-Precon	57	438	218	-219.934288	**-3.1276**	ng/L
Co-Precon	59	105	73	-31.685508	**0.1304**	ng/L
Ni-Precon	60	53	39	-14.050318	**-0.2200**	ng/L
Cu-Precon	63	222	416	194.413308	**2.8282**	ng/L
Cu-Precon	65	109	189	79.508102	**2.4514**	ng/L
Zn-Precon	66	495	165	-330.434669	**-9.7460**	ng/L
Zn-Precon	68	414	171	-243.564606	**-6.9940**	ng/L
Cd-Precon	111	2	2	-0.176879	**0.5312**	ng/L
Cd-Precon	114	9	5	-4.006312	**0.5756**	ng/L
Pb-Precon	208	513	405	-107.082350	**0.1567**	ng/L
Tb-Precon	159	7	5	-2.701302		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 05:59:29
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.078
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	34	-14.642561	**1.5206**	ng/L
Fe-Precon	54	690	433	-256.468692	**18.4001**	ng/L
Fe-Precon	56	13194	8327	-4866.205521	**15.4410**	ng/L
Fe-Precon	57	438	285	-152.769416	**11.7419**	ng/L
Co-Precon	59	105	52	-52.589606	**0.0292**	ng/L
Ni-Precon	60	53	38	-15.414814	**-0.2529**	ng/L
Cu-Precon	63	222	344	122.124031	**2.0264**	ng/L
Cu-Precon	65	109	160	50.481336	**1.7664**	ng/L
Zn-Precon	66	495	218	-276.838892	**-7.8517**	ng/L
Zn-Precon	68	414	192	-222.112332	**-5.8623**	ng/L
Cd-Precon	111	2	2	-0.442547	**0.5226**	ng/L
Cd-Precon	114	9	7	-2.148837	**0.5993**	ng/L
Pb-Precon	208	513	365	-147.507546	**0.0426**	ng/L
Tb-Precon	159	7	9	1.800868		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B121109-BLK2
Sample Description:
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 06:12:40
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 302

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\B121109-BLK2.079
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	174	125.755222	**3.5531**	ng/L
Fe-Precon	54	690	988	298.172633	**78.5865**	ng/L
Fe-Precon	56	13194	18954	5760.236777	**75.2411**	ng/L
Fe-Precon	57	438	570	131.508356	**74.6776**	ng/L
Co-Precon	59	105	78	-26.466298	**0.1556**	ng/L
Ni-Precon	60	53	48	-5.596567	**-0.0161**	ng/L
Cu-Precon	63	222	413	191.100250	**2.7914**	ng/L
Cu-Precon	65	109	212	102.751257	**3.0000**	ng/L
Zn-Precon	66	495	229	-266.123380	**-7.4729**	ng/L
Zn-Precon	68	414	196	-218.365123	**-5.6647**	ng/L
Cd-Precon	111	2	4	2.257325	**0.6092**	ng/L
Cd-Precon	114	9	7	-2.526945	**0.5945**	ng/L
Pb-Precon	208	513	535	22.828267	**0.5235**	ng/L
Tb-Precon	159	7	7	-0.969699		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 06:25:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.080
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	40	-8.890135	**1.6038**	ng/L
Fe-Precon	54	690	463	-226.509342	**21.6511**	ng/L
Fe-Precon	56	13194	9038	-4155.845411	**19.4385**	ng/L
Fe-Precon	57	438	317	-120.747346	**18.8312**	ng/L
Co-Precon	59	105	50	-54.438971	**0.0202**	ng/L
Ni-Precon	60	53	34	-19.207055	**-0.3443**	ng/L
Cu-Precon	63	222	339	117.943198	**1.9801**	ng/L
Cu-Precon	65	109	153	43.668851	**1.6056**	ng/L
Zn-Precon	66	495	188	-306.572197	**-8.9026**	ng/L
Zn-Precon	68	414	162	-251.931538	**-7.4353**	ng/L
Cd-Precon	111	2	3	0.539886	**0.5541**	ng/L
Cd-Precon	114	9	7	-2.166301	**0.5991**	ng/L
Pb-Precon	208	513	325	-187.549989	**-0.0704**	ng/L
Tb-Precon	159	7	8	0.086579		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B121109-BLK3
Sample Description:
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 06:39:02
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 303

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\B121109-BLK3.081
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	182	133.260130	**3.6618**	ng/L
Fe-Precon	54	690	423	-266.311531	**17.3320**	ng/L
Fe-Precon	56	13194	7913	-5280.398336	**13.1101**	ng/L
Fe-Precon	57	438	277	-161.576660	**9.7921**	ng/L
Co-Precon	59	105	85	-19.917376	**0.1873**	ng/L
Ni-Precon	60	53	42	-11.778430	**-0.1652**	ng/L
Cu-Precon	63	222	308	86.001510	**1.6258**	ng/L
Cu-Precon	65	109	143	33.812509	**1.3730**	ng/L
Zn-Precon	66	495	164	-330.583661	**-9.7513**	ng/L
Zn-Precon	68	414	155	-259.294717	**-7.8238**	ng/L
Cd-Precon	111	2	4	1.558282	**0.5868**	ng/L
Cd-Precon	114	9	5	-4.015452	**0.5755**	ng/L
Pb-Precon	208	513	537	24.301084	**0.5277**	ng/L
Tb-Precon	159	7	8	0.990477		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 06:52:13
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.082
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	37	-11.373273	**1.5679**	ng/L
Fe-Precon	54	690	401	-288.800174	**14.8917**	ng/L
Fe-Precon	56	13194	7925	-5268.549711	**13.1768**	ng/L
Fe-Precon	57	438	294	-144.447415	**13.5843**	ng/L
Co-Precon	59	105	57	-47.186935	**0.0553**	ng/L
Ni-Precon	60	53	35	-18.569807	**-0.3290**	ng/L
Cu-Precon	63	222	340	118.819717	**1.9898**	ng/L
Cu-Precon	65	109	157	47.959988	**1.7069**	ng/L
Zn-Precon	66	495	206	-289.158423	**-8.2871**	ng/L
Zn-Precon	68	414	197	-217.378092	**-5.6126**	ng/L
Cd-Precon	111	2	2	-0.064642	**0.5348**	ng/L
Cd-Precon	114	9	6	-2.865580	**0.5901**	ng/L
Pb-Precon	208	513	351	-161.462039	**0.0032**	ng/L
Tb-Precon	159	7	5	-2.420781		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B121109-BLK4
Sample Description:
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 07:05:24
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 304

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\B121109-BLK4.083
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	163	114.485419	**3.3900**	ng/L
Fe-Precon	54	690	406	-283.268447	**15.4920**	ng/L
Fe-Precon	56	13194	8007	-5186.500584	**13.6385**	ng/L
Fe-Precon	57	438	284	-154.328141	**11.3968**	ng/L
Co-Precon	59	105	81	-23.997036	**0.1676**	ng/L
Ni-Precon	60	53	37	-16.194047	**-0.2717**	ng/L
Cu-Precon	63	222	381	159.102509	**2.4366**	ng/L
Cu-Precon	65	109	166	57.248990	**1.9261**	ng/L
Zn-Precon	66	495	180	-315.473138	**-9.2172**	ng/L
Zn-Precon	68	414	179	-234.951216	**-6.5396**	ng/L
Cd-Precon	111	2	2	0.007149	**0.5371**	ng/L
Cd-Precon	114	9	7	-2.286608	**0.5975**	ng/L
Pb-Precon	208	513	509	-3.347167	**0.4496**	ng/L
Tb-Precon	159	7	7	-0.748054		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 07:18:35
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.084
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	34	-14.220024	**1.5267**	ng/L
Fe-Precon	54	690	396	-293.431012	**14.3892**	ng/L
Fe-Precon	56	13194	7271	-5922.109757	**9.4989**	ng/L
Fe-Precon	57	438	251	-187.631605	**4.0239**	ng/L
Co-Precon	59	105	53	-51.391316	**0.0350**	ng/L
Ni-Precon	60	53	37	-16.377592	**-0.2761**	ng/L
Cu-Precon	63	222	340	118.393273	**1.9851**	ng/L
Cu-Precon	65	109	161	51.758973	**1.7965**	ng/L
Zn-Precon	66	495	200	-295.392110	**-8.5074**	ng/L
Zn-Precon	68	414	193	-221.610327	**-5.8358**	ng/L
Cd-Precon	111	2	4	2.084718	**0.6037**	ng/L
Cd-Precon	114	9	7	-2.032047	**0.6008**	ng/L
Pb-Precon	208	513	355	-157.851261	**0.0134**	ng/L
Tb-Precon	159	7	8	0.183548		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B121109-BS1
Sample Description: 5x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 07:31:46
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 305

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\B121109-BS1.085
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	35502	35453.890629	**2575.0072**	ng/L
Fe-Precon	54	690	165808	165118.818220	**89819.7133**	ng/L
Fe-Precon	56	13194	3255659	3242465.877325	**91448.7472**	ng/L
Fe-Precon	57	438	83203	82764.764097	**91843.4228**	ng/L
Co-Precon	59	105	75317	75212.541194	**1821.8608**	ng/L
Ni-Precon	60	53	30333	30279.666783	**3651.6579**	ng/L
Cu-Precon	63	222	34175	33953.574871	**1886.2272**	ng/L
Cu-Precon	65	109	15965	15855.578434	**1873.9355**	ng/L
Zn-Precon	66	495	22111	21616.131812	**3829.7719**	ng/L
Zn-Precon	68	414	14626	14211.857437	**3777.7913**	ng/L
Cd-Precon	111	2	1221	1218.721697	**198.0229**	ng/L
Cd-Precon	114	9	3016	3006.727857	**194.7767**	ng/L
Pb-Precon	208	513	34501	33988.198944	**482.0837**	ng/L
Tb-Precon	159	7	57	49.648725		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 07:44:57
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.086
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	184	135.455580	**3.6936**	ng/L
Fe-Precon	54	690	9793	9103.061211	**1034.0406**	ng/L
Fe-Precon	56	13194	190683	177489.200656	**1041.6431**	ng/L
Fe-Precon	57	438	5001	4562.864241	**1055.7264**	ng/L
Co-Precon	59	105	72	-32.305356	**0.1274**	ng/L
Ni-Precon	60	53	118	64.721217	**1.6797**	ng/L
Cu-Precon	63	222	2277	2055.806937	**23.4726**	ng/L
Cu-Precon	65	109	1044	935.283784	**22.6488**	ng/L
Zn-Precon	66	495	216	-279.090114	**-7.9312**	ng/L
Zn-Precon	68	414	188	-226.212694	**-6.0786**	ng/L
Cd-Precon	111	2	3	0.398699	**0.5496**	ng/L
Cd-Precon	114	9	6	-3.687315	**0.5797**	ng/L
Pb-Precon	208	513	392	-120.798231	**0.1180**	ng/L
Tb-Precon	159	7	9	1.596539		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1225015-13
Sample Description:
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 07:58:08
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 306

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\1225015-13.087
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	336	287.359318	**5.8927**	ng/L
Fe-Precon	54	690	690	0.690881	**46.3055**	ng/L
Fe-Precon	56	13194	13260	66.564266	**43.2001**	ng/L
Fe-Precon	57	438	418	-20.044628	**41.1256**	ng/L
Co-Precon	59	105	266	161.059932	**1.0634**	ng/L
Ni-Precon	60	53	88	34.237630	**0.9445**	ng/L
Cu-Precon	63	222	1767	1545.256631	**17.8102**	ng/L
Cu-Precon	65	109	841	731.733265	**17.8448**	ng/L
Zn-Precon	66	495	30776	30281.119129	**1072.2180**	ng/L
Zn-Precon	68	414	21002	20587.745654	**1091.8990**	ng/L
Cd-Precon	111	2	4	1.441149	**0.5830**	ng/L
Cd-Precon	114	9	12	2.361372	**0.6568**	ng/L
Pb-Precon	208	513	670	157.178175	**0.9028**	ng/L
Tb-Precon	159	7	11	3.539397		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 08:11:18
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.088
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	37	-11.691894	**1.5633**	ng/L
Fe-Precon	54	690	887	196.912254	**67.5983**	ng/L
Fe-Precon	56	13194	16650	3456.704756	**62.2780**	ng/L
Fe-Precon	57	438	525	87.073722	**64.8403**	ng/L
Co-Precon	59	105	50	-54.418193	**0.0203**	ng/L
Ni-Precon	60	53	36	-17.534323	**-0.3040**	ng/L
Cu-Precon	63	222	511	289.684250	**3.8848**	ng/L
Cu-Precon	65	109	235	125.695240	**3.5415**	ng/L
Zn-Precon	66	495	207	-288.298925	**-8.2567**	ng/L
Zn-Precon	68	414	205	-209.253070	**-5.1840**	ng/L
Cd-Precon	111	2	1	-1.233826	**0.4973**	ng/L
Cd-Precon	114	9	8	-1.332382	**0.6097**	ng/L
Pb-Precon	208	513	322	-190.494550	**-0.0788**	ng/L
Tb-Precon	159	7	7	-0.886582		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1225015-01
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 08:24:29
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 307

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\1225015-01.089
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	16228	16179.777274	**2359.6851**	ng/L
Fe-Precon	54	690	12912	12222.010934	**13724.9050**	ng/L
Fe-Precon	56	13194	253785	240591.678728	**13967.5125**	ng/L
Fe-Precon	57	438	6594	6155.639860	**14083.4771**	ng/L
Co-Precon	59	105	4145	4040.026197	**198.4069**	ng/L
Ni-Precon	60	53	4079	4025.247142	**971.9017**	ng/L
Cu-Precon	63	222	22084	21862.815773	**2431.4883**	ng/L
Cu-Precon	65	109	10361	10251.558313	**2425.2498**	ng/L
Zn-Precon	66	495	5019	4523.827596	**1618.2767**	ng/L
Zn-Precon	68	414	3422	3007.464706	**1645.0428**	ng/L
Cd-Precon	111	2	-180	-182.450921	**-53.1188**	ng/L
Cd-Precon	114	9	-194	-203.286529	**-19.6474**	ng/L
Pb-Precon	208	513	42120	41607.069340	**1179.2683**	ng/L
Tb-Precon	159	7	2459	2451.353676		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 08:37:39
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.090
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	89	40.616911	**2.3206**	ng/L
Fe-Precon	54	690	1202	512.115556	**101.8023**	ng/L
Fe-Precon	56	13194	23531	10337.910147	**101.0019**	ng/L
Fe-Precon	57	438	684	246.138670	**100.0554**	ng/L
Co-Precon	59	105	50	-54.393941	**0.0204**	ng/L
Ni-Precon	60	53	51	-2.621667	**0.0556**	ng/L
Cu-Precon	63	222	1166	944.441891	**11.1466**	ng/L
Cu-Precon	65	109	566	456.590061	**11.3510**	ng/L
Zn-Precon	66	495	205	-289.822974	**-8.3106**	ng/L
Zn-Precon	68	414	200	-213.914709	**-5.4299**	ng/L
Cd-Precon	111	2	-4	-5.837193	**0.3497**	ng/L
Cd-Precon	114	9	2	-7.476028	**0.5314**	ng/L
Pb-Precon	208	513	366	-146.429936	**0.0457**	ng/L
Tb-Precon	159	7	42	34.549062		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1225015-02
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 08:50:50
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 308

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\1225015-02.091
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	16157	16108.036354	**2349.2992**	ng/L
Fe-Precon	54	690	20929	20238.922525	**22424.3806**	ng/L
Fe-Precon	56	13194	410934	397739.975967	**22811.0073**	ng/L
Fe-Precon	57	438	10636	10198.156681	**23033.1222**	ng/L
Co-Precon	59	105	4361	4256.089675	**208.8661**	ng/L
Ni-Precon	60	53	4327	4273.519618	**1031.7741**	ng/L
Cu-Precon	63	222	20298	20076.580662	**2233.3799**	ng/L
Cu-Precon	65	109	9702	9593.331808	**2269.8998**	ng/L
Zn-Precon	66	495	6224	5728.720375	**2044.1455**	ng/L
Zn-Precon	68	414	4146	3731.953816	**2027.2252**	ng/L
Cd-Precon	111	2	-176	-178.135727	**-51.7356**	ng/L
Cd-Precon	114	9	-165	-174.397482	**-15.9648**	ng/L
Pb-Precon	208	513	38121	37608.014351	**1066.3644**	ng/L
Tb-Precon	159	7	2593	2585.192506		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 09:04:00
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.092
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	89	40.769335	**2.3228**	ng/L
Fe-Precon	54	690	1578	888.655074	**142.6621**	ng/L
Fe-Precon	56	13194	29656	16462.085385	**135.4656**	ng/L
Fe-Precon	57	438	837	398.572861	**133.8025**	ng/L
Co-Precon	59	105	53	-51.398270	**0.0349**	ng/L
Ni-Precon	60	53	45	-8.619977	**-0.0890**	ng/L
Cu-Precon	63	222	1114	892.054161	**10.5656**	ng/L
Cu-Precon	65	109	544	435.260632	**10.8476**	ng/L
Zn-Precon	66	495	229	-266.476568	**-7.4854**	ng/L
Zn-Precon	68	414	198	-215.674196	**-5.5227**	ng/L
Cd-Precon	111	2	-1	-3.213781	**0.4338**	ng/L
Cd-Precon	114	9	3	-6.290070	**0.5465**	ng/L
Pb-Precon	208	513	394	-118.340747	**0.1250**	ng/L
Tb-Precon	159	7	35	27.037322		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1225015-11
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 09:17:11
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 309

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\1225015-11.093
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	16147	16098.466812	**2347.9138**	ng/L
Fe-Precon	54	690	31687	30997.815781	**34099.2917**	ng/L
Fe-Precon	56	13194	618116	604922.253462	**34470.1563**	ng/L
Fe-Precon	57	438	16167	15728.997510	**35277.7372**	ng/L
Co-Precon	59	105	4228	4123.769647	**202.4607**	ng/L
Ni-Precon	60	53	4106	4052.504682	**978.4750**	ng/L
Cu-Precon	63	222	12933	12711.802162	**1416.5646**	ng/L
Cu-Precon	65	109	6175	6065.439749	**1437.2716**	ng/L
Zn-Precon	66	495	5326	4830.639377	**1726.7192**	ng/L
Zn-Precon	68	414	3582	3167.982815	**1729.7193**	ng/L
Cd-Precon	111	2	-136	-138.637282	**-39.0738**	ng/L
Cd-Precon	114	9	-128	-137.111763	**-11.2117**	ng/L
Pb-Precon	208	513	41702	41189.591591	**1167.4818**	ng/L
Tb-Precon	159	7	2678	2670.310090		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 09:30:21
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.094
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	93	44.464597	**2.3763**	ng/L
Fe-Precon	54	690	1994	1304.798113	**187.8195**	ng/L
Fe-Precon	56	13194	38936	25742.469058	**187.6908**	ng/L
Fe-Precon	57	438	1063	624.868198	**183.9015**	ng/L
Co-Precon	59	105	52	-52.412971	**0.0300**	ng/L
Ni-Precon	60	53	36	-17.156822	**-0.2949**	ng/L
Cu-Precon	63	222	884	662.394359	**8.0185**	ng/L
Cu-Precon	65	109	430	320.570842	**8.1408**	ng/L
Zn-Precon	66	495	209	-285.708482	**-8.1652**	ng/L
Zn-Precon	68	414	175	-239.266239	**-6.7672**	ng/L
Cd-Precon	111	2	1	-1.220144	**0.4977**	ng/L
Cd-Precon	114	9	2	-7.751201	**0.5279**	ng/L
Pb-Precon	208	513	374	-138.634199	**0.0677**	ng/L
Tb-Precon	159	7	36	28.422617		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B121109-DUP1
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 09:43:31
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 310

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\B121109-DUP1.095
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	16422	16373.914821	**2387.7906**	ng/L
Fe-Precon	54	690	29228	28538.694654	**31430.7997**	ng/L
Fe-Precon	56	13194	574206	561012.092002	**31999.1191**	ng/L
Fe-Precon	57	438	14918	14479.598740	**32511.7189**	ng/L
Co-Precon	59	105	4074	3969.689045	**195.0020**	ng/L
Ni-Precon	60	53	4013	3959.805752	**956.1201**	ng/L
Cu-Precon	63	222	12826	12604.671014	**1404.6829**	ng/L
Cu-Precon	65	109	6113	6003.586852	**1422.6735**	ng/L
Zn-Precon	66	495	5212	4717.311382	**1686.6635**	ng/L
Zn-Precon	68	414	3554	3139.828491	**1714.8673**	ng/L
Cd-Precon	111	2	-162	-164.285053	**-47.2955**	ng/L
Cd-Precon	114	9	-170	-179.754446	**-16.6476**	ng/L
Pb-Precon	208	513	41467	40954.046385	**1160.8318**	ng/L
Tb-Precon	159	7	2458	2450.856376		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 09:56:41
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.096
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	102	53.600633	**2.5085**	ng/L
Fe-Precon	54	690	1905	1214.920400	**178.0665**	ng/L
Fe-Precon	56	13194	37946	24752.013917	**182.1170**	ng/L
Fe-Precon	57	438	1035	597.203914	**177.7770**	ng/L
Co-Precon	59	105	49	-55.741138	**0.0139**	ng/L
Ni-Precon	60	53	44	-9.014790	**-0.0985**	ng/L
Cu-Precon	63	222	922	700.272260	**8.4386**	ng/L
Cu-Precon	65	109	447	337.911188	**8.5501**	ng/L
Zn-Precon	66	495	200	-294.983994	**-8.4930**	ng/L
Zn-Precon	68	414	164	-250.501307	**-7.3599**	ng/L
Cd-Precon	111	2	-1	-2.921802	**0.4432**	ng/L
Cd-Precon	114	9	-0	-9.474163	**0.5059**	ng/L
Pb-Precon	208	513	328	-184.818048	**-0.0627**	ng/L
Tb-Precon	159	7	37	29.136041		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV4
Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 10:09:53
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-CCV4.097
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	14331	14282.015472	**208.4945**	ng/L
Fe-Precon	54	690	4029	3339.660089	**408.6306**	ng/L
Fe-Precon	56	13194	78452	65258.267173	**410.0653**	ng/L
Fe-Precon	57	438	2146	1707.679050	**423.6228**	ng/L
Co-Precon	59	105	18473	18368.627906	**89.2025**	ng/L
Ni-Precon	60	53	3780	3726.630648	**89.9888**	ng/L
Cu-Precon	63	222	8110	7888.642405	**88.1636**	ng/L
Cu-Precon	65	109	3960	3851.309841	**91.4708**	ng/L
Zn-Precon	66	495	13423	12928.207914	**458.8801**	ng/L
Zn-Precon	68	414	9029	8614.898122	**460.3075**	ng/L
Cd-Precon	111	2	2968	2965.385729	**95.5963**	ng/L
Cd-Precon	114	9	7341	7331.754931	**94.0892**	ng/L
Pb-Precon	208	513	34269	33756.128615	**95.7615**	ng/L
Tb-Precon	159	7	12	4.744599		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 10:23:05
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.098
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	143	94.526188	**3.1010**	ng/L
Fe-Precon	54	690	778	88.454554	**55.8291**	ng/L
Fe-Precon	56	13194	15158	1964.870961	**53.8828**	ng/L
Fe-Precon	57	438	474	36.035048	**53.5410**	ng/L
Co-Precon	59	105	48	-56.717785	**0.0092**	ng/L
Ni-Precon	60	53	47	-6.219955	**-0.0311**	ng/L
Cu-Precon	63	222	946	724.255456	**8.7046**	ng/L
Cu-Precon	65	109	426	316.714690	**8.0498**	ng/L
Zn-Precon	66	495	184	-311.407059	**-9.0735**	ng/L
Zn-Precon	68	414	154	-259.734378	**-7.8470**	ng/L
Cd-Precon	111	2	0	-1.858870	**0.4772**	ng/L
Cd-Precon	114	9	8	-0.911532	**0.6151**	ng/L
Pb-Precon	208	513	298	-214.141461	**-0.1455**	ng/L
Tb-Precon	159	7	7	-0.779221		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB4
Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 10:36:17
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-CCB4.099
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	66	16.990664	**1.9785**	ng/L
Fe-Precon	54	690	564	-125.730039	**32.5871**	ng/L
Fe-Precon	56	13194	11100	-2093.575864	**31.0439**	ng/L
Fe-Precon	57	438	358	-80.439782	**27.7548**	ng/L
Co-Precon	59	105	74	-30.556450	**0.1358**	ng/L
Ni-Precon	60	53	47	-6.209569	**-0.0309**	ng/L
Cu-Precon	63	222	216	-5.706744	**0.6087**	ng/L
Cu-Precon	65	109	104	-4.758486	**0.4626**	ng/L
Zn-Precon	66	495	390	-104.717261	**-1.7680**	ng/L
Zn-Precon	68	414	305	-109.053300	**0.1018**	ng/L
Cd-Precon	111	2	4	1.359225	**0.5804**	ng/L
Cd-Precon	114	9	9	-0.672966	**0.6181**	ng/L
Pb-Precon	208	513	598	85.196687	**0.6996**	ng/L
Tb-Precon	159	7	8	0.768831		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 10:49:28
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.100
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	31	-17.970714	**1.4724**	ng/L
Fe-Precon	54	690	467	-223.108750	**22.0201**	ng/L
Fe-Precon	56	13194	8936	-4257.344472	**18.8674**	ng/L
Fe-Precon	57	438	289	-149.278409	**12.5148**	ng/L
Co-Precon	59	105	47	-58.009563	**0.0029**	ng/L
Ni-Precon	60	53	33	-20.637366	**-0.3788**	ng/L
Cu-Precon	63	222	361	139.832408	**2.2228**	ng/L
Cu-Precon	65	109	167	57.646659	**1.9355**	ng/L
Zn-Precon	66	495	173	-322.316332	**-9.4591**	ng/L
Zn-Precon	68	414	159	-255.391578	**-7.6179**	ng/L
Cd-Precon	111	2	1	-0.868546	**0.5090**	ng/L
Cd-Precon	114	9	5	-4.512670	**0.5692**	ng/L
Pb-Precon	208	513	293	-219.339173	**-0.1602**	ng/L
Tb-Precon	159	7	9	1.153247		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B121109-MS1
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 11:02:38
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 311

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\B121109-MS1.101
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	260615	260566.143386	**37739.7001**	ng/L
Fe-Precon	54	690	99420	98730.237316	**107598.4871**	ng/L
Fe-Precon	56	13194	1973776	1960581.963692	**110759.6859**	ng/L
Fe-Precon	57	438	50148	49709.575354	**110506.6414**	ng/L
Co-Precon	59	105	327348	327243.130191	**15844.0024**	ng/L
Ni-Precon	60	53	70380	70326.332197	**16960.8145**	ng/L
Cu-Precon	63	222	157056	156834.976351	**17401.0265**	ng/L
Cu-Precon	65	109	74715	74605.489085	**17613.6106**	ng/L
Zn-Precon	66	495	235735	235239.879286	**83164.7586**	ng/L
Zn-Precon	68	414	158433	158018.584131	**83416.4889**	ng/L
Cd-Precon	111	2	51694	51692.025807	**16575.9420**	ng/L
Cd-Precon	114	9	130088	130079.007280	**16588.2617**	ng/L
Pb-Precon	208	513	633109	632596.461570	**17864.4628**	ng/L
Tb-Precon	159	7	2460	2452.179597		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 11:15:48
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.102
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	893	844.773738	**13.9624**	ng/L
Fe-Precon	54	690	5857	5167.521192	**606.9792**	ng/L
Fe-Precon	56	13194	113742	100548.836347	**608.6624**	ng/L
Fe-Precon	57	438	2947	2509.063600	**601.0397**	ng/L
Co-Precon	59	105	61	-43.851865	**0.0715**	ng/L
Ni-Precon	60	53	138	84.915427	**2.1667**	ng/L
Cu-Precon	63	222	7665	7443.191677	**83.2232**	ng/L
Cu-Precon	65	109	3605	3495.511103	**83.0735**	ng/L
Zn-Precon	66	495	181	-313.706971	**-9.1548**	ng/L
Zn-Precon	68	414	162	-251.886709	**-7.4330**	ng/L
Cd-Precon	111	2	-2	-4.098711	**0.4054**	ng/L
Cd-Precon	114	9	9	0.220602	**0.6295**	ng/L
Pb-Precon	208	513	335	-177.556169	**-0.0422**	ng/L
Tb-Precon	159	7	33	25.080609		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B121109-MSD1
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 11:28:58
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 312

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\B121109-MSD1.103
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	283248	283199.604799	**41016.3649**	ng/L
Fe-Precon	54	690	107906	107216.416730	**116807.1843**	ng/L
Fe-Precon	56	13194	2147296	2134102.763213	**120524.5406**	ng/L
Fe-Precon	57	438	55012	54573.862045	**121275.5859**	ng/L
Co-Precon	59	105	365574	365469.152752	**17694.4453**	ng/L
Ni-Precon	60	53	77673	77619.221060	**18719.5394**	ng/L
Cu-Precon	63	222	174366	174144.918838	**19320.8435**	ng/L
Cu-Precon	65	109	83499	83390.362121	**19686.9543**	ng/L
Zn-Precon	66	495	264809	264313.902082	**93440.9586**	ng/L
Zn-Precon	68	414	177551	177137.073042	**93501.8717**	ng/L
Cd-Precon	111	2	58089	58087.326343	**18626.0416**	ng/L
Cd-Precon	114	9	143332	143322.350495	**18276.4745**	ng/L
Pb-Precon	208	513	680891	680378.112004	**19213.4653**	ng/L
Tb-Precon	159	7	2434	2426.275867		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 11:42:10
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.104
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	1061	1012.361915	**16.3886**	ng/L
Fe-Precon	54	690	6357	5667.323646	**661.2148**	ng/L
Fe-Precon	56	13194	123683	110489.587581	**664.6038**	ng/L
Fe-Precon	57	438	3304	2865.529734	**679.9570**	ng/L
Co-Precon	59	105	104	-0.671879	**0.2805**	ng/L
Ni-Precon	60	53	163	109.968906	**2.7708**	ng/L
Cu-Precon	63	222	8266	8044.477590	**89.8919**	ng/L
Cu-Precon	65	109	3849	3739.502405	**88.8320**	ng/L
Zn-Precon	66	495	223	-272.208417	**-7.6880**	ng/L
Zn-Precon	68	414	200	-213.651656	**-5.4160**	ng/L
Cd-Precon	111	2	-1	-3.413768	**0.4274**	ng/L
Cd-Precon	114	9	10	0.483695	**0.6328**	ng/L
Pb-Precon	208	513	424	-88.418531	**0.2094**	ng/L
Tb-Precon	159	7	33	25.059822		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1225015-12
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 11:55:21
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 313

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\1225015-12.105
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	14723	14674.916485	**2141.8252**	ng/L
Fe-Precon	54	690	14281	13591.326219	**15210.8045**	ng/L
Fe-Precon	56	13194	280105	266911.045890	**15448.6306**	ng/L
Fe-Precon	57	438	7375	6936.993063	**15813.2990**	ng/L
Co-Precon	59	105	3954	3849.773656	**189.1972**	ng/L
Ni-Precon	60	53	3993	3939.624213	**951.2532**	ng/L
Cu-Precon	63	222	14893	14671.014082	**1633.8575**	ng/L
Cu-Precon	65	109	7029	6919.867900	**1638.9277**	ng/L
Zn-Precon	66	495	5928	5433.288811	**1939.7254**	ng/L
Zn-Precon	68	414	4050	3635.405505	**1976.2941**	ng/L
Cd-Precon	111	2	-150	-151.764419	**-43.2819**	ng/L
Cd-Precon	114	9	-132	-140.869373	**-11.6907**	ng/L
Pb-Precon	208	513	36345	35832.011913	**1016.2232**	ng/L
Tb-Precon	159	7	2417	2409.152501		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 12:08:32
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.106
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	144	94.997333	**3.1078**	ng/L
Fe-Precon	54	690	1553	863.330900	**139.9141**	ng/L
Fe-Precon	56	13194	30311	17117.578719	**139.1544**	ng/L
Fe-Precon	57	438	843	405.043983	**135.2351**	ng/L
Co-Precon	59	105	62	-42.736667	**0.0769**	ng/L
Ni-Precon	60	53	56	2.964546	**0.1904**	ng/L
Cu-Precon	63	222	1223	1001.497021	**11.7794**	ng/L
Cu-Precon	65	109	572	462.831976	**11.4984**	ng/L
Zn-Precon	66	495	219	-276.246909	**-7.8307**	ng/L
Zn-Precon	68	414	200	-214.205716	**-5.4452**	ng/L
Cd-Precon	111	2	-3	-5.481591	**0.3611**	ng/L
Cd-Precon	114	9	4	-5.696586	**0.5541**	ng/L
Pb-Precon	208	513	388	-124.611931	**0.1073**	ng/L
Tb-Precon	159	7	38	30.739511		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1225015-14
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 12:21:43
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 314

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\1225015-14.107
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	16432	16383.572281	**2389.1887**	ng/L
Fe-Precon	54	690	26070	25379.910804	**28003.0753**	ng/L
Fe-Precon	56	13194	530840	517646.856699	**29558.7475**	ng/L
Fe-Precon	57	438	13564	13125.975554	**29514.9603**	ng/L
Co-Precon	59	105	3824	3719.578132	**182.8947**	ng/L
Ni-Precon	60	53	4151	4097.179976	**989.2487**	ng/L
Cu-Precon	63	222	12111	11889.113024	**1325.3215**	ng/L
Cu-Precon	65	109	5850	5740.952979	**1360.6885**	ng/L
Zn-Precon	66	495	6112	5616.486331	**2004.4764**	ng/L
Zn-Precon	68	414	4102	3688.169998	**2004.1284**	ng/L
Cd-Precon	111	2	-170	-171.898155	**-49.7360**	ng/L
Cd-Precon	114	9	-168	-177.367047	**-16.3433**	ng/L
Pb-Precon	208	513	39572	39059.743933	**1107.3506**	ng/L
Tb-Precon	159	7	2412	2404.642482		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 12:34:54
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.108
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	122	73.750072	**2.8002**	ng/L
Fe-Precon	54	690	2230	1540.697736	**213.4179**	ng/L
Fe-Precon	56	13194	42793	29599.004392	**209.3934**	ng/L
Fe-Precon	57	438	1182	743.453081	**210.1548**	ng/L
Co-Precon	59	105	58	-46.816356	**0.0571**	ng/L
Ni-Precon	60	53	49	-4.408693	**0.0125**	ng/L
Cu-Precon	63	222	1021	799.384740	**9.5378**	ng/L
Cu-Precon	65	109	466	356.570676	**8.9905**	ng/L
Zn-Precon	66	495	197	-297.968806	**-8.5985**	ng/L
Zn-Precon	68	414	186	-228.041780	**-6.1751**	ng/L
Cd-Precon	111	2	-0	-2.582029	**0.4541**	ng/L
Cd-Precon	114	9	1	-8.054688	**0.5240**	ng/L
Pb-Precon	208	513	440	-72.987223	**0.2530**	ng/L
Tb-Precon	159	7	35	27.885816		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1225015-16
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 12:48:06
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 315

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\1225015-16.109
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	14652	14603.371924	**2131.4677**	ng/L
Fe-Precon	54	690	12065	11375.172788	**12805.9666**	ng/L
Fe-Precon	56	13194	240839	227645.796436	**13238.9851**	ng/L
Fe-Precon	57	438	6232	5793.546952	**13281.8471**	ng/L
Co-Precon	59	105	4000	3895.308464	**191.4014**	ng/L
Ni-Precon	60	53	4031	3977.165162	**960.3064**	ng/L
Cu-Precon	63	222	14417	14195.454287	**1581.1140**	ng/L
Cu-Precon	65	109	6929	6819.398827	**1615.2157**	ng/L
Zn-Precon	66	495	4502	4006.820962	**1435.5410**	ng/L
Zn-Precon	68	414	3057	2642.772910	**1452.6606**	ng/L
Cd-Precon	111	2	-200	-201.762172	**-59.3093**	ng/L
Cd-Precon	114	9	-205	-214.050632	**-21.0196**	ng/L
Pb-Precon	208	513	34489	33976.914263	**963.8488**	ng/L
Tb-Precon	159	7	2369	2361.559700		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 13:01:16
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.110
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	115	66.570649	**2.6963**	ng/L
Fe-Precon	54	690	1280	590.500143	**110.3081**	ng/L
Fe-Precon	56	13194	25388	12194.093435	**111.4476**	ng/L
Fe-Precon	57	438	735	297.230636	**111.3665**	ng/L
Co-Precon	59	105	61	-43.827639	**0.0716**	ng/L
Ni-Precon	60	53	43	-10.711764	**-0.1395**	ng/L
Cu-Precon	63	222	1004	782.366680	**9.3491**	ng/L
Cu-Precon	65	109	492	382.942336	**9.6129**	ng/L
Zn-Precon	66	495	189	-305.882709	**-8.8782**	ng/L
Zn-Precon	68	414	203	-210.701137	**-5.2604**	ng/L
Cd-Precon	111	2	-2	-4.385279	**0.3962**	ng/L
Cd-Precon	114	9	-1	-10.103759	**0.4979**	ng/L
Pb-Precon	208	513	487	-25.707078	**0.3865**	ng/L
Tb-Precon	159	7	36	28.103995		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1225015-17
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 13:14:28
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 316

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\1225015-17.111
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	14562	14513.580421	**2118.4685**	ng/L
Fe-Precon	54	690	28338	27648.758005	**30465.0934**	ng/L
Fe-Precon	56	13194	554477	541283.396038	**30888.8899**	ng/L
Fe-Precon	57	438	14473	14034.873233	**31527.1503**	ng/L
Co-Precon	59	105	4258	4153.667565	**203.9080**	ng/L
Ni-Precon	60	53	3929	3875.529534	**935.7963**	ng/L
Cu-Precon	63	222	15106	14884.031984	**1657.4830**	ng/L
Cu-Precon	65	109	7201	7092.031559	**1679.5606**	ng/L
Zn-Precon	66	495	5383	4888.317317	**1747.1054**	ng/L
Zn-Precon	68	414	3672	3257.824645	**1777.1127**	ng/L
Cd-Precon	111	2	-153	-155.422743	**-44.4546**	ng/L
Cd-Precon	114	9	-189	-198.753999	**-19.0696**	ng/L
Pb-Precon	208	513	34737	34224.447803	**970.8374**	ng/L
Tb-Precon	159	7	2403	2395.280444		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 13:27:38
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.112
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	105	56.932328	**2.5568**	ng/L
Fe-Precon	54	690	2245	1554.871966	**214.9560**	ng/L
Fe-Precon	56	13194	44028	30834.712414	**216.3473**	ng/L
Fe-Precon	57	438	1226	788.106251	**220.0405**	ng/L
Co-Precon	59	105	58	-46.244932	**0.0599**	ng/L
Ni-Precon	60	53	43	-10.174945	**-0.1265**	ng/L
Cu-Precon	63	222	1123	901.552651	**10.6709**	ng/L
Cu-Precon	65	109	538	429.069671	**10.7015**	ng/L
Zn-Precon	66	495	190	-304.650160	**-8.8347**	ng/L
Zn-Precon	68	414	178	-236.329632	**-6.6123**	ng/L
Cd-Precon	111	2	-2	-3.895193	**0.4120**	ng/L
Cd-Precon	114	9	1	-8.088808	**0.5236**	ng/L
Pb-Precon	208	513	431	-81.842025	**0.2280**	ng/L
Tb-Precon	159	7	37	29.624360		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1225015-18
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 13:40:49
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 317

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\1225015-18.113
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	14643	14594.136019	**2130.1306**	ng/L
Fe-Precon	54	690	13005	12315.032850	**13825.8468**	ng/L
Fe-Precon	56	13194	252516	239322.924954	**13896.1136**	ng/L
Fe-Precon	57	438	6724	6285.796013	**14371.6272**	ng/L
Co-Precon	59	105	4025	3920.083692	**192.6007**	ng/L
Ni-Precon	60	53	3912	3858.263394	**931.6325**	ng/L
Cu-Precon	63	222	17021	16799.335867	**1869.9062**	ng/L
Cu-Precon	65	109	7977	7867.912485	**1862.6785**	ng/L
Zn-Precon	66	495	5015	4519.626704	**1616.7919**	ng/L
Zn-Precon	68	414	3351	2936.789952	**1607.7605**	ng/L
Cd-Precon	111	2	-118	-119.721005	**-33.0099**	ng/L
Cd-Precon	114	9	-60	-69.380316	**-2.5776**	ng/L
Pb-Precon	208	513	39587	39074.669993	**1107.7720**	ng/L
Tb-Precon	159	7	2399	2391.571730		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 13:54:00
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.114
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	99	50.695023	**2.4665**	ng/L
Fe-Precon	54	690	1406	716.064294	**123.9336**	ng/L
Fe-Precon	56	13194	26985	13791.269005	**120.4356**	ng/L
Fe-Precon	57	438	799	360.781990	**125.4360**	ng/L
Co-Precon	59	105	55	-49.206034	**0.0456**	ng/L
Ni-Precon	60	53	39	-14.503990	**-0.2309**	ng/L
Cu-Precon	63	222	1254	1032.593785	**12.1243**	ng/L
Cu-Precon	65	109	631	522.122686	**12.8977**	ng/L
Zn-Precon	66	495	172	-323.061253	**-9.4854**	ng/L
Zn-Precon	68	414	171	-243.020733	**-6.9653**	ng/L
Cd-Precon	111	2	-4	-6.231608	**0.3371**	ng/L
Cd-Precon	114	9	0	-9.124504	**0.5104**	ng/L
Pb-Precon	208	513	414	-98.329418	**0.1815**	ng/L
Tb-Precon	159	7	38	30.559433		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1225015-19
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 14:07:11
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 318

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\1225015-19.115
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	14358	14308.967338	**2088.8465**	ng/L
Fe-Precon	54	690	12886	12196.125953	**13696.8161**	ng/L
Fe-Precon	56	13194	253820	240626.020808	**13969.4451**	ng/L
Fe-Precon	57	438	6699	6261.274717	**14317.3400**	ng/L
Co-Precon	59	105	3905	3800.729384	**186.8230**	ng/L
Ni-Precon	60	53	3922	3868.711896	**934.1522**	ng/L
Cu-Precon	63	222	16857	16635.763619	**1851.7646**	ng/L
Cu-Precon	65	109	8080	7970.672960	**1886.9313**	ng/L
Zn-Precon	66	495	5036	4540.641601	**1624.2196**	ng/L
Zn-Precon	68	414	3398	2983.748026	**1632.5318**	ng/L
Cd-Precon	111	2	-147	-149.479535	**-42.5494**	ng/L
Cd-Precon	114	9	-129	-137.845920	**-11.3053**	ng/L
Pb-Precon	208	513	38958	38445.881852	**1090.0196**	ng/L
Tb-Precon	159	7	2329	2321.841791		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 14:20:22
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.116
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	113	63.990528	**2.6589**	ng/L
Fe-Precon	54	690	1275	585.763330	**109.7941**	ng/L
Fe-Precon	56	13194	25125	11930.932888	**109.9666**	ng/L
Fe-Precon	57	438	728	289.510055	**109.6573**	ng/L
Co-Precon	59	105	54	-50.629414	**0.0387**	ng/L
Ni-Precon	60	53	42	-11.653769	**-0.1622**	ng/L
Cu-Precon	63	222	1215	993.551190	**11.6913**	ng/L
Cu-Precon	65	109	559	449.854028	**11.1921**	ng/L
Zn-Precon	66	495	174	-320.681715	**-9.4013**	ng/L
Zn-Precon	68	414	179	-235.276742	**-6.5568**	ng/L
Cd-Precon	111	2	-3	-5.336558	**0.3658**	ng/L
Cd-Precon	114	9	4	-5.609440	**0.5552**	ng/L
Pb-Precon	208	513	443	-69.951302	**0.2616**	ng/L
Tb-Precon	159	7	39	31.695360		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B121109-DUP2
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 14:33:32
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 319

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\B121109-DUP2.117
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	14797	14748.952869	**2152.5435**	ng/L
Fe-Precon	54	690	16796	16106.600012	**17940.2300**	ng/L
Fe-Precon	56	13194	329682	316488.073105	**18238.5697**	ng/L
Fe-Precon	57	438	8773	8334.831042	**18907.9438**	ng/L
Co-Precon	59	105	4077	3972.344775	**195.1306**	ng/L
Ni-Precon	60	53	4110	4056.927924	**979.5417**	ng/L
Cu-Precon	63	222	17043	16821.127554	**1872.3231**	ng/L
Cu-Precon	65	109	8088	7979.291603	**1888.9654**	ng/L
Zn-Precon	66	495	5115	4620.286792	**1652.3702**	ng/L
Zn-Precon	68	414	3554	3139.456189	**1714.6709**	ng/L
Cd-Precon	111	2	-155	-156.708584	**-44.8668**	ng/L
Cd-Precon	114	9	-107	-116.203448	**-8.5464**	ng/L
Pb-Precon	208	513	39346	38833.129612	**1100.9527**	ng/L
Tb-Precon	159	7	2378	2370.535493		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 14:46:43
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.118
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	96	47.636944	**2.4222**	ng/L
Fe-Precon	54	690	1564	874.579634	**141.1347**	ng/L
Fe-Precon	56	13194	30710	17516.217443	**141.3977**	ng/L
Fe-Precon	57	438	857	418.356991	**138.1824**	ng/L
Co-Precon	59	105	63	-41.645767	**0.0822**	ng/L
Ni-Precon	60	53	47	-6.355029	**-0.0344**	ng/L
Cu-Precon	63	222	1228	1006.937791	**11.8398**	ng/L
Cu-Precon	65	109	608	499.250891	**12.3579**	ng/L
Zn-Precon	66	495	275	-219.685288	**-5.8316**	ng/L
Zn-Precon	68	414	242	-172.035724	**-3.2207**	ng/L
Cd-Precon	111	2	3	0.800190	**0.5625**	ng/L
Cd-Precon	114	9	2	-7.760645	**0.5277**	ng/L
Pb-Precon	208	513	452	-60.784015	**0.2875**	ng/L
Tb-Precon	159	7	38	30.202710		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B121109-MS2

Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 14:59:54
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 320

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\B121109-MS2.119
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	281850	281801.035453	**40813.8928**	ng/L
Fe-Precon	54	690	91782	91092.438042	**99310.4016**	ng/L
Fe-Precon	56	13194	1803842	1790648.378613	**101196.7010**	ng/L
Fe-Precon	57	438	46453	46014.444304	**102326.0666**	ng/L
Co-Precon	59	105	364551	364446.315132	**17644.9319**	ng/L
Ni-Precon	60	53	77866	77812.730233	**18766.2053**	ng/L
Cu-Precon	63	222	179985	179763.386796	**19943.9784**	ng/L
Cu-Precon	65	109	85786	85676.753184	**20226.5722**	ng/L
Zn-Precon	66	495	265316	264821.119820	**93620.2344**	ng/L
Zn-Precon	68	414	178583	178168.472410	**94045.9554**	ng/L
Cd-Precon	111	2	58282	58280.008273	**18687.8084**	ng/L
Cd-Precon	114	9	143173	143163.914911	**18256.2777**	ng/L
Pb-Precon	208	513	686480	685967.791931	**19371.2767**	ng/L
Tb-Precon	159	7	2338	2330.215839		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 15:13:04
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.120
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	982	933.956020	**15.2535**	ng/L
Fe-Precon	54	690	5446	4756.606276	**562.3892**	ng/L
Fe-Precon	56	13194	104882	91688.675309	**558.8020**	ng/L
Fe-Precon	57	438	2782	2343.774249	**564.4466**	ng/L
Co-Precon	59	105	87	-17.901658	**0.1971**	ng/L
Ni-Precon	60	53	164	110.194037	**2.7763**	ng/L
Cu-Precon	63	222	8794	8571.997240	**95.7426**	ng/L
Cu-Precon	65	109	4153	4044.166639	**96.0225**	ng/L
Zn-Precon	66	495	209	-285.691209	**-8.1645**	ng/L
Zn-Precon	68	414	182	-231.674635	**-6.3668**	ng/L
Cd-Precon	111	2	-0	-2.468997	**0.4577**	ng/L
Cd-Precon	114	9	8	-1.350501	**0.6095**	ng/L
Pb-Precon	208	513	531	18.324331	**0.5108**	ng/L
Tb-Precon	159	7	41	33.835645		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV5

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 15:26:16
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-CCV5.121
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	13752	13703.384889	**200.1176**	ng/L
Fe-Precon	54	690	4125	3435.382508	**419.0178**	ng/L
Fe-Precon	56	13194	81134	67940.018204	**425.1568**	ng/L
Fe-Precon	57	438	2155	1717.196733	**425.7299**	ng/L
Co-Precon	59	105	18685	18580.421811	**90.2277**	ng/L
Ni-Precon	60	53	3852	3798.152962	**91.7137**	ng/L
Cu-Precon	63	222	8332	8110.779179	**90.6273**	ng/L
Cu-Precon	65	109	4060	3951.074933	**93.8254**	ng/L
Zn-Precon	66	495	13845	13349.621355	**473.7749**	ng/L
Zn-Precon	68	414	9305	8890.529781	**474.8477**	ng/L
Cd-Precon	111	2	3007	3004.790844	**96.8594**	ng/L
Cd-Precon	114	9	7389	7380.065383	**94.7050**	ng/L
Pb-Precon	208	513	34945	34432.732629	**97.6718**	ng/L
Tb-Precon	159	7	10	2.012124		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 15:39:27
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.122
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	170	121.924368	**3.4977**	ng/L
Fe-Precon	54	690	1044	354.050958	**84.6501**	ng/L
Fe-Precon	56	13194	20457	7263.737561	**83.7021**	ng/L
Fe-Precon	57	438	593	155.110634	**79.9029**	ng/L
Co-Precon	59	105	64	-40.811131	**0.0862**	ng/L
Ni-Precon	60	53	50	-3.733374	**0.0288**	ng/L
Cu-Precon	63	222	1287	1065.639480	**12.4908**	ng/L
Cu-Precon	65	109	618	508.996344	**12.5879**	ng/L
Zn-Precon	66	495	209	-286.186693	**-8.1821**	ng/L
Zn-Precon	68	414	187	-227.501517	**-6.1466**	ng/L
Cd-Precon	111	2	2	-0.331145	**0.5262**	ng/L
Cd-Precon	114	9	9	0.024049	**0.6270**	ng/L
Pb-Precon	208	513	450	-62.168404	**0.2835**	ng/L
Tb-Precon	159	7	9	1.672729		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB5

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 15:52:39
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-CCB5.123
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	91	42.868081	**2.3532**	ng/L
Fe-Precon	54	690	632	-58.089971	**39.9270**	ng/L
Fe-Precon	56	13194	12708	-485.129940	**40.0954**	ng/L
Fe-Precon	57	438	392	-46.217316	**35.3313**	ng/L
Co-Precon	59	105	101	-3.380202	**0.2674**	ng/L
Ni-Precon	60	53	50	-2.999160	**0.0465**	ng/L
Cu-Precon	63	222	298	76.307183	**1.5183**	ng/L
Cu-Precon	65	109	147	37.403881	**1.4577**	ng/L
Zn-Precon	66	495	488	-7.442611	**1.6701**	ng/L
Zn-Precon	68	414	371	-43.138341	**3.5789**	ng/L
Cd-Precon	111	2	3	1.168327	**0.5743**	ng/L
Cd-Precon	114	9	6	-2.865620	**0.5901**	ng/L
Pb-Precon	208	513	900	387.044733	**1.5518**	ng/L
Tb-Precon	159	7	7	-0.301300		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 16:05:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.124
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	50	1.274473	**1.7510**	ng/L
Fe-Precon	54	690	573	-116.463192	**33.5927**	ng/L
Fe-Precon	56	13194	10594	-2599.820319	**28.1950**	ng/L
Fe-Precon	57	438	324	-113.650693	**20.4023**	ng/L
Co-Precon	59	105	55	-49.711652	**0.0431**	ng/L
Ni-Precon	60	53	40	-13.174130	**-0.1988**	ng/L
Cu-Precon	63	222	472	250.166598	**3.4465**	ng/L
Cu-Precon	65	109	233	123.700080	**3.4944**	ng/L
Zn-Precon	66	495	196	-298.637611	**-8.6221**	ng/L
Zn-Precon	68	414	179	-235.266315	**-6.5562**	ng/L
Cd-Precon	111	2	1	-1.185692	**0.4988**	ng/L
Cd-Precon	114	9	5	-4.135725	**0.5740**	ng/L
Pb-Precon	208	513	455	-57.949649	**0.2955**	ng/L
Tb-Precon	159	7	8	0.786147		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B121109-MSD2

Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 16:19:01
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 321

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\B121109-MSD2.125
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	282868	282819.908007	**40961.3958**	ng/L
Fe-Precon	54	690	89975	89284.963570	**97349.0378**	ng/L
Fe-Precon	56	13194	1787297	1774103.135902	**100265.6202**	ng/L
Fe-Precon	57	438	46492	46054.135670	**102413.9385**	ng/L
Co-Precon	59	105	365805	365700.531935	**17705.6459**	ng/L
Ni-Precon	60	53	77451	77397.829354	**18666.1494**	ng/L
Cu-Precon	63	222	180287	180065.451936	**19977.4800**	ng/L
Cu-Precon	65	109	85811	85702.021162	**20232.5358**	ng/L
Zn-Precon	66	495	268219	267723.570877	**94646.1044**	ng/L
Zn-Precon	68	414	178940	178525.377814	**94234.2301**	ng/L
Cd-Precon	111	2	58805	58802.496441	**18855.2990**	ng/L
Cd-Precon	114	9	143659	143650.048433	**18318.2483**	ng/L
Pb-Precon	208	513	692451	691938.897632	**19539.8568**	ng/L
Tb-Precon	159	7	2280	2272.324911		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 16:32:12
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.126
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	986	937.279568	**15.3016**	ng/L
Fe-Precon	54	690	4934	4244.856594	**506.8572**	ng/L
Fe-Precon	56	13194	96684	83490.301932	**512.6658**	ng/L
Fe-Precon	57	438	2527	2088.851909	**508.0099**	ng/L
Co-Precon	59	105	105	0.890045	**0.2881**	ng/L
Ni-Precon	60	53	159	105.394028	**2.6605**	ng/L
Cu-Precon	63	222	7971	7749.461599	**86.6200**	ng/L
Cu-Precon	65	109	3745	3635.989639	**86.3890**	ng/L
Zn-Precon	66	495	244	-251.043104	**-6.9399**	ng/L
Zn-Precon	68	414	213	-200.989424	**-4.7481**	ng/L
Cd-Precon	111	2	-1	-2.926923	**0.4430**	ng/L
Cd-Precon	114	9	2	-6.894325	**0.5388**	ng/L
Pb-Precon	208	513	620	107.404116	**0.7623**	ng/L
Tb-Precon	159	7	31	23.736875		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1225015-20
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 16:45:22
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 322

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\1225015-20.127
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	15210	15161.859242	**2212.3203**	ng/L
Fe-Precon	54	690	22384	21694.365941	**24003.7413**	ng/L
Fe-Precon	56	13194	438686	425492.608115	**24372.7822**	ng/L
Fe-Precon	57	438	11545	11106.740688	**25044.6177**	ng/L
Co-Precon	59	105	4300	4195.154699	**205.9163**	ng/L
Ni-Precon	60	53	3952	3898.289724	**941.2851**	ng/L
Cu-Precon	63	222	14915	14693.084014	**1636.3053**	ng/L
Cu-Precon	65	109	7081	6972.001480	**1651.2319**	ng/L
Zn-Precon	66	495	4968	4473.211316	**1600.3864**	ng/L
Zn-Precon	68	414	3297	2883.298024	**1579.5424**	ng/L
Cd-Precon	111	2	-151	-152.731331	**-43.5918**	ng/L
Cd-Precon	114	9	-165	-174.681658	**-16.0010**	ng/L
Pb-Precon	208	513	38110	37597.667571	**1066.0723**	ng/L
Tb-Precon	159	7	2471	2463.570312		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 16:58:32
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.128
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	129	80.482613	**2.8977**	ng/L
Fe-Precon	54	690	1890	1200.322053	**176.4824**	ng/L
Fe-Precon	56	13194	37108	23914.883893	**177.4061**	ng/L
Fe-Precon	57	438	1040	602.026016	**178.8445**	ng/L
Co-Precon	59	105	57	-47.294319	**0.0548**	ng/L
Ni-Precon	60	53	49	-4.751562	**0.0043**	ng/L
Cu-Precon	63	222	1225	1002.989972	**11.7960**	ng/L
Cu-Precon	65	109	574	465.296315	**11.5565**	ng/L
Zn-Precon	66	495	196	-298.817594	**-8.6285**	ng/L
Zn-Precon	68	414	190	-224.190471	**-5.9720**	ng/L
Cd-Precon	111	2	-3	-4.661702	**0.3874**	ng/L
Cd-Precon	114	9	2	-7.031992	**0.5370**	ng/L
Pb-Precon	208	513	515	2.077656	**0.4649**	ng/L
Tb-Precon	159	7	31	23.511770		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1225015-21
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 17:11:42
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 323

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\1225015-21.129
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	17030	16981.235904	**2475.7130**	ng/L
Fe-Precon	54	690	743387	742697.222207	**806393.1590**	ng/L
Fe-Precon	56	13194	15279196	15266002.895264	**859520.0835**	ng/L
Fe-Precon	57	438	376228	375789.912707	**832409.2106**	ng/L
Co-Precon	59	105	37500	37395.571320	**1813.0800**	ng/L
Ni-Precon	60	53	8224	8170.621442	**1971.5841**	ng/L
Cu-Precon	63	222	30032	29810.564089	**3312.9599**	ng/L
Cu-Precon	65	109	13947	13837.846141	**3271.6602**	ng/L
Zn-Precon	66	495	32845	32349.645362	**11453.2992**	ng/L
Zn-Precon	68	414	22027	21612.742024	**11459.6963**	ng/L
Cd-Precon	111	2	433	430.500505	**143.3710**	ng/L
Cd-Precon	114	9	1342	1332.578267	**176.1390**	ng/L
Pb-Precon	208	513	235624	235111.443842	**6642.4089**	ng/L
Tb-Precon	159	7	3250	3242.043161		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 17:24:52
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.130
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	94	45.133018	**2.3859**	ng/L
Fe-Precon	54	690	5890	5200.775025	**610.5877**	ng/L
Fe-Precon	56	13194	117189	103995.483388	**628.0584**	ng/L
Fe-Precon	57	438	3097	2659.019219	**634.2380**	ng/L
Co-Precon	59	105	71	-33.607552	**0.1211**	ng/L
Ni-Precon	60	53	47	-6.427736	**-0.0361**	ng/L
Cu-Precon	63	222	1551	1329.003913	**15.4117**	ng/L
Cu-Precon	65	109	696	586.675886	**14.4212**	ng/L
Zn-Precon	66	495	199	-296.060710	**-8.5311**	ng/L
Zn-Precon	68	414	174	-239.664787	**-6.7883**	ng/L
Cd-Precon	111	2	-6	-8.470698	**0.2653**	ng/L
Cd-Precon	114	9	-9	-18.046751	**0.3966**	ng/L
Pb-Precon	208	513	516	3.213017	**0.4681**	ng/L
Tb-Precon	159	7	78	70.033402		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1225015-22
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 17:38:02
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 324

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\1225015-22.131
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	25761	25712.148845	**3739.6944**	ng/L
Fe-Precon	54	690	31897	31207.380233	**34326.6986**	ng/L
Fe-Precon	56	13194	618005	604811.130195	**34463.9028**	ng/L
Fe-Precon	57	438	15983	15544.408693	**34869.0798**	ng/L
Co-Precon	59	105	3461	3356.288432	**165.3086**	ng/L
Ni-Precon	60	53	4728	4674.298812	**1128.4245**	ng/L
Cu-Precon	63	222	12391	12169.031276	**1356.3668**	ng/L
Cu-Precon	65	109	5900	5791.267395	**1372.5634**	ng/L
Zn-Precon	66	495	7158	6663.139161	**2374.4154**	ng/L
Zn-Precon	68	414	4803	4388.768983	**2373.7083**	ng/L
Cd-Precon	111	2	-124	-126.265430	**-35.1078**	ng/L
Cd-Precon	114	9	-117	-126.600909	**-9.8718**	ng/L
Pb-Precon	208	513	20617	20104.453528	**572.1926**	ng/L
Tb-Precon	159	7	1463	1455.371076		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 17:51:14
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.132
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	148	98.976558	**3.1654**	ng/L
Fe-Precon	54	690	2290	1600.740258	**219.9334**	ng/L
Fe-Precon	56	13194	45318	32124.094999	**223.6033**	ng/L
Fe-Precon	57	438	1241	802.390154	**223.2027**	ng/L
Co-Precon	59	105	68	-36.579065	**0.1067**	ng/L
Ni-Precon	60	53	50	-3.238117	**0.0408**	ng/L
Cu-Precon	63	222	965	743.775842	**8.9211**	ng/L
Cu-Precon	65	109	434	325.276642	**8.2519**	ng/L
Zn-Precon	66	495	199	-295.582594	**-8.5142**	ng/L
Zn-Precon	68	414	203	-211.168357	**-5.2850**	ng/L
Cd-Precon	111	2	-1	-2.722446	**0.4496**	ng/L
Cd-Precon	114	9	7	-2.187829	**0.5988**	ng/L
Pb-Precon	208	513	560	47.510316	**0.5932**	ng/L
Tb-Precon	159	7	35	27.463300		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1225015-23
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 18:04:25
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 325

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\1225015-23.133
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	16435	16386.358330	**2389.5921**	ng/L
Fe-Precon	54	690	39099	38409.620421	**42142.1413**	ng/L
Fe-Precon	56	13194	758975	745781.143681	**42396.9674**	ng/L
Fe-Precon	57	438	19888	19449.754325	**43515.0444**	ng/L
Co-Precon	59	105	4078	3973.469249	**195.1850**	ng/L
Ni-Precon	60	53	4189	4135.243178	**998.4279**	ng/L
Cu-Precon	63	222	11614	11392.165460	**1270.2059**	ng/L
Cu-Precon	65	109	5523	5413.386755	**1283.3787**	ng/L
Zn-Precon	66	495	6134	5639.177394	**2012.4966**	ng/L
Zn-Precon	68	414	4151	3736.747362	**2029.7539**	ng/L
Cd-Precon	111	2	-167	-169.176367	**-48.8635**	ng/L
Cd-Precon	114	9	-143	-152.194208	**-13.1344**	ng/L
Pb-Precon	208	513	44568	44055.431886	**1248.3921**	ng/L
Tb-Precon	159	7	2566	2558.875062		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 18:17:36
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.134
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	128	78.976160	**2.8759**	ng/L
Fe-Precon	54	690	2805	2115.608915	**275.8039**	ng/L
Fe-Precon	56	13194	54567	41373.056331	**275.6517**	ng/L
Fe-Precon	57	438	1471	1033.335507	**274.3313**	ng/L
Co-Precon	59	105	62	-42.182593	**0.0796**	ng/L
Ni-Precon	60	53	50	-3.227726	**0.0410**	ng/L
Cu-Precon	63	222	941	719.830490	**8.6555**	ng/L
Cu-Precon	65	109	449	339.643368	**8.5910**	ng/L
Zn-Precon	66	495	211	-283.558114	**-8.0892**	ng/L
Zn-Precon	68	414	207	-207.611483	**-5.0974**	ng/L
Cd-Precon	111	2	-3	-5.224883	**0.3693**	ng/L
Cd-Precon	114	9	3	-6.715694	**0.5411**	ng/L
Pb-Precon	208	513	582	69.938226	**0.6565**	ng/L
Tb-Precon	159	7	41	33.028716		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1225015-24
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 18:30:48
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 326

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\1225015-24.135
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	14180	14131.387800	**2063.1381**	ng/L
Fe-Precon	54	690	21679	20989.757358	**23239.1419**	ng/L
Fe-Precon	56	13194	426882	413688.734745	**23708.5211**	ng/L
Fe-Precon	57	438	11206	10767.470851	**24293.5152**	ng/L
Co-Precon	59	105	4249	4144.551306	**203.4667**	ng/L
Ni-Precon	60	53	3895	3841.838356	**927.6715**	ng/L
Cu-Precon	63	222	15465	15243.480298	**1697.3488**	ng/L
Cu-Precon	65	109	7265	7155.925078	**1694.6403**	ng/L
Zn-Precon	66	495	5529	5034.228163	**1798.6776**	ng/L
Zn-Precon	68	414	3689	3274.726262	**1786.0286**	ng/L
Cd-Precon	111	2	-171	-173.144839	**-50.1357**	ng/L
Cd-Precon	114	9	-158	-167.741607	**-15.1163**	ng/L
Pb-Precon	208	513	37617	37104.669862	**1052.1537**	ng/L
Tb-Precon	159	7	2489	2481.312819		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 18:43:59
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.136
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	108	59.460498	**2.5934**	ng/L
Fe-Precon	54	690	1720	1030.853963	**158.0927**	ng/L
Fe-Precon	56	13194	33731	20537.451149	**158.3997**	ng/L
Fe-Precon	57	438	957	518.853926	**160.4312**	ng/L
Co-Precon	59	105	61	-43.152309	**0.0749**	ng/L
Ni-Precon	60	53	47	-6.898755	**-0.0475**	ng/L
Cu-Precon	63	222	976	754.235091	**9.0371**	ng/L
Cu-Precon	65	109	470	360.376722	**9.0803**	ng/L
Zn-Precon	66	495	216	-278.830501	**-7.9221**	ng/L
Zn-Precon	68	414	178	-235.761463	**-6.5823**	ng/L
Cd-Precon	111	2	-1	-3.306578	**0.4308**	ng/L
Cd-Precon	114	9	-1	-10.592680	**0.4916**	ng/L
Pb-Precon	208	513	534	21.290307	**0.5192**	ng/L
Tb-Precon	159	7	41	33.167241		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1225015-25
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 18:57:10
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 327

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\1225015-25.137
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	25271	25222.542416	**3668.8137**	ng/L
Fe-Precon	54	690	1525562	1524872.638400	**1655163.4005**	ng/L
Fe-Precon	56	13194	31472936	31459742.797524	**1770820.1611**	ng/L
Fe-Precon	57	438	759288	758849.602805	**1680457.1999**	ng/L
Co-Precon	59	105	58163	58058.506775	**2813.3301**	ng/L
Ni-Precon	60	53	11462	11409.015430	**2752.5426**	ng/L
Cu-Precon	63	222	22546	22324.341144	**2482.6753**	ng/L
Cu-Precon	65	109	10102	9993.302826	**2364.2982**	ng/L
Zn-Precon	66	495	57669	57173.701102	**20227.3502**	ng/L
Zn-Precon	68	414	38993	38578.410032	**20409.4234**	ng/L
Cd-Precon	111	2	854	852.258233	**278.5711**	ng/L
Cd-Precon	114	9	2183	2173.870001	**283.3838**	ng/L
Pb-Precon	208	513	387439	386926.811019	**10928.5585**	ng/L
Tb-Precon	159	7	4461	4453.516593		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 19:10:21
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.138
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	103	54.224031	**2.5176**	ng/L
Fe-Precon	54	690	7634	6944.056935	**799.7583**	ng/L
Fe-Precon	56	13194	150322	137128.028154	**814.5112**	ng/L
Fe-Precon	57	438	3962	3524.329200	**825.8072**	ng/L
Co-Precon	59	105	70	-34.944378	**0.1146**	ng/L
Ni-Precon	60	53	52	-1.717751	**0.0774**	ng/L
Cu-Precon	63	222	1147	925.071917	**10.9318**	ng/L
Cu-Precon	65	109	498	389.244164	**9.7616**	ng/L
Zn-Precon	66	495	206	-288.576386	**-8.2665**	ng/L
Zn-Precon	68	414	193	-221.343600	**-5.8218**	ng/L
Cd-Precon	111	2	-1	-2.830333	**0.4461**	ng/L
Cd-Precon	114	9	-3	-11.800721	**0.4762**	ng/L
Pb-Precon	208	513	601	88.905038	**0.7101**	ng/L
Tb-Precon	159	7	50	42.074649		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1225015-26
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 19:23:32
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 328

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\1225015-26.139
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	14017	13968.556264	**2039.5649**	ng/L
Fe-Precon	54	690	10197	9507.472471	**10779.2493**	ng/L
Fe-Precon	56	13194	199465	186271.240945	**10910.6387**	ng/L
Fe-Precon	57	438	5185	4746.594913	**10964.0214**	ng/L
Co-Precon	59	105	3889	3783.988779	**186.0126**	ng/L
Ni-Precon	60	53	3890	3836.804003	**926.4574**	ng/L
Cu-Precon	63	222	16279	16057.799307	**1787.6636**	ng/L
Cu-Precon	65	109	7753	7644.309315	**1809.9053**	ng/L
Zn-Precon	66	495	4570	4074.659173	**1459.5183**	ng/L
Zn-Precon	68	414	3055	2641.238201	**1451.8510**	ng/L
Cd-Precon	111	2	-147	-149.543724	**-42.5700**	ng/L
Cd-Precon	114	9	-161	-170.216777	**-15.4318**	ng/L
Pb-Precon	208	513	36985	36472.487014	**1034.3055**	ng/L
Tb-Precon	159	7	2441	2433.707193		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 19:36:43
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.140
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	93	44.180539	**2.3722**	ng/L
Fe-Precon	54	690	1333	643.701013	**116.0812**	ng/L
Fe-Precon	56	13194	26611	13417.416307	**118.3318**	ng/L
Fe-Precon	57	438	746	308.290561	**113.8150**	ng/L
Co-Precon	59	105	56	-48.762734	**0.0477**	ng/L
Ni-Precon	60	53	45	-8.841626	**-0.0944**	ng/L
Cu-Precon	63	222	1072	850.442604	**10.1041**	ng/L
Cu-Precon	65	109	490	381.329837	**9.5748**	ng/L
Zn-Precon	66	495	196	-298.931831	**-8.6325**	ng/L
Zn-Precon	68	414	176	-238.334671	**-6.7181**	ng/L
Cd-Precon	111	2	-3	-5.256914	**0.3683**	ng/L
Cd-Precon	114	9	3	-6.233354	**0.5472**	ng/L
Pb-Precon	208	513	527	14.850417	**0.5010**	ng/L
Tb-Precon	159	7	37	30.005307		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1225015-27
Sample Description: 10x
Batch ID: B121109

Sample Date/Time: Saturday, July 07, 2012 19:49:54
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 329

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\1225015-27.141
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	28370	28321.755232	**4117.4893**	ng/L
Fe-Precon	54	690	2031543	2030853.333251	**2204223.5571**	ng/L
Fe-Precon	56	13194	41711095	41697901.235981	**2346970.8611**	ng/L
Fe-Precon	57	438	1015942	1015503.845572	**2248658.7626**	ng/L
Co-Precon	59	105	64751	64646.042505	**3132.2191**	ng/L
Ni-Precon	60	53	13159	13105.049495	**3161.5516**	ng/L
Cu-Precon	63	222	37677	37455.719395	**4160.8714**	ng/L
Cu-Precon	65	109	17040	16930.827165	**4001.6437**	ng/L
Zn-Precon	66	495	68027	67532.389785	**23888.6239**	ng/L
Zn-Precon	68	414	45705	45291.133121	**23950.5182**	ng/L
Cd-Precon	111	2	858	855.890369	**279.7354**	ng/L
Cd-Precon	114	9	2129	2119.670763	**276.4747**	ng/L
Pb-Precon	208	513	470032	469519.518525	**13260.3692**	ng/L
Tb-Precon	159	7	5917	5909.747113		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 20:03:05
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.142
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	106	56.987727	**2.5576**	ng/L
Fe-Precon	54	690	6742	6052.720726	**703.0358**	ng/L
Fe-Precon	56	13194	132564	119370.911549	**714.5834**	ng/L
Fe-Precon	57	438	3526	3087.383154	**729.0727**	ng/L
Co-Precon	59	105	73	-31.803263	**0.1298**	ng/L
Ni-Precon	60	53	48	-5.586181	**-0.0158**	ng/L
Cu-Precon	63	222	1744	1522.585101	**17.5587**	ng/L
Cu-Precon	65	109	794	684.887299	**16.7392**	ng/L
Zn-Precon	66	495	200	-295.018497	**-8.4942**	ng/L
Zn-Precon	68	414	173	-240.741754	**-6.8451**	ng/L
Cd-Precon	111	2	1	-1.088524	**0.5019**	ng/L
Cd-Precon	114	9	4	-5.344593	**0.5585**	ng/L
Pb-Precon	208	513	548	35.285520	**0.5587**	ng/L
Tb-Precon	159	7	31	23.819994		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV6

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 20:16:17
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-CCV6.143
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	13223	13174.488728	**192.4607**	ng/L
Fe-Precon	54	690	4261	3571.055037	**433.7402**	ng/L
Fe-Precon	56	13194	83370	70175.941015	**437.7395**	ng/L
Fe-Precon	57	438	2183	1745.160127	**431.9207**	ng/L
Co-Precon	59	105	18410	18305.682878	**88.8978**	ng/L
Ni-Precon	60	53	3858	3804.239340	**91.8604**	ng/L
Cu-Precon	63	222	8479	8257.129290	**92.2504**	ng/L
Cu-Precon	65	109	3938	3828.869601	**90.9412**	ng/L
Zn-Precon	66	495	13558	13063.195619	**463.6512**	ng/L
Zn-Precon	68	414	9237	8823.093447	**471.2903**	ng/L
Cd-Precon	111	2	3034	3031.625299	**97.7196**	ng/L
Cd-Precon	114	9	7515	7505.492990	**96.3040**	ng/L
Pb-Precon	208	513	35968	35455.165104	**100.5584**	ng/L
Tb-Precon	159	7	17	9.842447		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 20:29:28
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\rinse.144
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	143	94.772194	**3.1046**	ng/L
Fe-Precon	54	690	1086	395.907127	**89.1920**	ng/L
Fe-Precon	56	13194	20992	7798.097157	**86.7092**	ng/L
Fe-Precon	57	438	635	197.208154	**89.2227**	ng/L
Co-Precon	59	105	61	-43.287336	**0.0742**	ng/L
Ni-Precon	60	53	54	0.356704	**0.1275**	ng/L
Cu-Precon	63	222	970	748.126690	**8.9693**	ng/L
Cu-Precon	65	109	449	340.368275	**8.6081**	ng/L
Zn-Precon	66	495	212	-283.315461	**-8.0806**	ng/L
Zn-Precon	68	414	192	-221.773080	**-5.8444**	ng/L
Cd-Precon	111	2	2	-0.056523	**0.5350**	ng/L
Cd-Precon	114	9	7	-1.775971	**0.6040**	ng/L
Pb-Precon	208	513	552	39.703412	**0.5712**	ng/L
Tb-Precon	159	7	12	4.869273		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB6
Sample Description:
Batch ID:

Sample Date/Time: Saturday, July 07, 2012 20:42:40
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200507.sam
Method File: C:\Elandata\Method\2012\7-12\1200507-0063-ICPMS2-mel.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-CCB6.145
Calibration File: C:\Elandata\System\2012\7-12\1200507.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200507\SEQ-ICB1.013

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	**Conc Mean**	Sample Unit
V-Precon	51	49	75	26.833296	**2.1210**	ng/L
Fe-Precon	54	690	703	13.623976	**47.7090**	ng/L
Fe-Precon	56	13194	13451	257.230724	**44.2731**	ng/L
Fe-Precon	57	438	435	-3.593318	**44.7677**	ng/L
Co-Precon	59	105	80	-24.741649	**0.1640**	ng/L
Ni-Precon	60	53	56	2.749794	**0.1852**	ng/L
Cu-Precon	63	222	306	84.895228	**1.6135**	ng/L
Cu-Precon	65	109	140	31.342875	**1.3147**	ng/L
Zn-Precon	66	495	452	-43.263897	**0.4040**	ng/L
Zn-Precon	68	414	370	-44.389872	**3.5129**	ng/L
Cd-Precon	111	2	2	-0.169933	**0.5314**	ng/L
Cd-Precon	114	9	5	-3.840568	**0.5777**	ng/L
Pb-Precon	208	513	935	422.361898	**1.6515**	ng/L
Tb-Precon	159	7	11	3.958446		mg/L

ANALYSIS SEQUENCE

1200553

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200553-ICB1	1200553	QC	1		-			
1200553-CAL1	1200553	QC	2	1228062	-			
1200553-CAL2	1200553	QC	3	1228061	-			
1200553-CAL3	1200553	QC	4	1228060	-			
1200553-CAL4	1200553	QC	5	1228059	-			
1200553-CAL5	1200553	QC	6	1228058	-			
1200553-CAL6	1200553	QC	7	1228057	-			
1200553-CAL7	1200553	QC	8	1228056	-			
1200553-CAL8	1200553	QC	9	1228055	-			
1200553-ICB2	1200553	QC	10		-			
1200553-ICV1	1200553	QC	11	1217029	-			
1200553-ICB3	1200553	QC	12		-			
1200553-SCV1	1200553	QC	13	1215030	-			
1200553-SCV2	1200553	QC	14	1110047	-			
1200553-IFA1	1200553	QC	15	1144088	-			
1200553-IFB1	1200553	QC	16	1144089	-			
1200553-IBL1	1200553	QC	17		-			
1200553-IBL2	1200553	QC	18		-			
1200553-IBL3	1200553	QC	19		-			
1200553-IBL4	1200553	QC	20		-			
1200553-CCV1	1200553	QC	21	1228059	-			
1200553-CCB1	1200553	QC	22		-			
B121228-BLK1	B121228	QC	23		-			
B121228-BLK2	B121228	QC	24		-			
B121228-BLK3	B121228	QC	25		-			
B121228-BLK4	B121228	QC	26		-			

ANALYSIS SEQUENCE

1200553

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B121228-BS1	B121228	QC	27		-			
B121228-SRM1	B121228	QC	28		-			
B121228-SRM2	B121228	QC	29		-			
1224025-03	B121228	FW-Oven-ICPMS-NoMB-DoD-I	30			EAS-SP1101	8/3/2012	
1224025-03	B121228	FW-Oven-ICPMS-NoMB-DoD-I	31			EAS-SP1101	8/3/2012	
1224025-03	B121228	FW-Oven-ICPMS-NoMB-DoD-I	32			EAS-SP1101	8/3/2012	
1224025-03	B121228	FW-Oven-ICPMS-NoMB-DoD-I	33			EAS-SP1101	8/3/2012	
1224025-03	B121228	FW-Oven-ICPMS-NoMB-DoD-I	34			EAS-SP1101	8/3/2012	
1224025-03	B121228	FW-Oven-ICPMS-NoMB-DoD-I	35			EAS-SP1101	8/3/2012	
B121228-DUP1	B121228	QC	36		1224025-03			
B121228-DUP2	B121228	QC	37		1224025-03			
B121228-MS1	B121228	QC	38		1224025-03			
B121228-MSD1	B121228	QC	39		1224025-03			
1200553-CCV2	1200553	QC	40	1228059	-			
1200553-CCB2	1200553	QC	41		-			
1224025-04	B121228	FW-Oven-ICPMS-NoMB-DoD-I	42			EAS-SP1101	8/3/2012	
1224025-04	B121228	FW-Oven-ICPMS-NoMB-DoD-I	43			EAS-SP1101	8/3/2012	
1224025-04	B121228	FW-Oven-ICPMS-NoMB-DoD-I	44			EAS-SP1101	8/3/2012	
1224025-04	B121228	FW-Oven-ICPMS-NoMB-DoD-I	45			EAS-SP1101	8/3/2012	
1224025-04	B121228	FW-Oven-ICPMS-NoMB-DoD-I	46			EAS-SP1101	8/3/2012	
1224025-04	B121228	FW-Oven-ICPMS-NoMB-DoD-I	47			EAS-SP1101	8/3/2012	
1224025-05	B121228	FW-Oven-ICPMS-NoMB-DoD-I	48			EAS-SP1101	8/3/2012	
1224025-05	B121228	FW-Oven-ICPMS-NoMB-DoD-I	49			EAS-SP1101	8/3/2012	
1224025-03RE1	B121228	FW-Oven-ICPMS-NoMB-DoD-I	50			EAS-SP1101	8/3/2012	Added 7/23/2012 by CCE
1224025-03RE1	B121228	FW-Oven-ICPMS-NoMB-DoD-I	51			EAS-SP1101	8/3/2012	Added 7/23/2012 by CCE
1224025-03RE1	B121228	FW-Oven-ICPMS-NoMB-DoD-I	52			EAS-SP1101	8/3/2012	Added 7/23/2012 by CCE

ANALYSIS SEQUENCE

1200553

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1224025-03RE1	B121228	FW-Oven-ICPMS-NoMB-DoD-I	53			EAS-SP1101	8/3/2012	Added 7/23/2012 by CCE
1224025-03RE1	B121228	FW-Oven-ICPMS-NoMB-DoD-I	54			EAS-SP1101	8/3/2012	Added 7/23/2012 by CCE
1224025-03RE1	B121228	FW-Oven-ICPMS-NoMB-DoD-I	55			EAS-SP1101	8/3/2012	Added 7/23/2012 by CCE
B121228-DUP3	B121228	QC	56		1224025-03RE1			
B121228-DUP4	B121228	QC	57		1224025-03RE1			
B121228-MS2	B121228	QC	58		1224025-03RE1			
B121228-MSD2	B121228	QC	59		1224025-03RE1			
1224025-04RE1	B121228	FW-Oven-ICPMS-NoMB-DoD-I	60			EAS-SP1101	8/3/2012	Added 7/23/2012 by CCE
1224025-04RE1	B121228	FW-Oven-ICPMS-NoMB-DoD-I	61			EAS-SP1101	8/3/2012	Added 7/23/2012 by CCE
1224025-04RE1	B121228	FW-Oven-ICPMS-NoMB-DoD-I	62			EAS-SP1101	8/3/2012	Added 7/23/2012 by CCE
1224025-04RE1	B121228	FW-Oven-ICPMS-NoMB-DoD-I	63			EAS-SP1101	8/3/2012	Added 7/23/2012 by CCE
1224025-04RE1	B121228	FW-Oven-ICPMS-NoMB-DoD-I	64			EAS-SP1101	8/3/2012	Added 7/23/2012 by CCE
1224025-04RE1	B121228	FW-Oven-ICPMS-NoMB-DoD-I	65			EAS-SP1101	8/3/2012	Added 7/23/2012 by CCE
1224025-05RE1	B121228	FW-Oven-ICPMS-NoMB-DoD-I	66			EAS-SP1101	8/3/2012	Added 7/23/2012 by CCE
1224025-05RE1	B121228	FW-Oven-ICPMS-NoMB-DoD-I	67			EAS-SP1101	8/3/2012	Added 7/23/2012 by CCE
1200553-CCV3	1200553	QC	68	1228059	-			
1200553-CCB3	1200553	QC	69		-			
B121247-BLK1	B121247	QC	70		-			
B121247-BLK2	B121247	QC	71		-			
B121247-BLK3	B121247	QC	72		-			
B121247-BLK4	B121247	QC	73		-			
B121247-BS1	B121247	QC	74		-			
B121247-SRM1	B121247	QC	75		-			
1226027-36RE2	B121247	Fe-FW-Oven-ICPMS-Diss	76			TTI-ST1001	7/24/2012	From B121216 by MEL on 07/17/12
B121247-DUP1	B121247	QC	77		1226027-36RE2			
B121247-MS1	B121247	QC	78		1226027-36RE2			

ANALYSIS SEQUENCE

1200553

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B121247-MSD1	B121247	QC	79		1226027-36RE2			
1200553-CCV4	1200553	QC	80	1228059	-			
1200553-CCB4	1200553	QC	81		-			
B121138-BLK1	B121138	QC	82		-			
B121138-BLK2	B121138	QC	83		-			
B121138-BLK3	B121138	QC	84		-			
B121138-BLK4	B121138	QC	85		-			
B121138-BS1	B121138	QC	86		-			
B121138-SRM1	B121138	QC	87		-			
B121138-SRM2	B121138	QC	88		-			
1200553-CCV5	1200553	QC	89	1228059	-			
1200553-CCB5	1200553	QC	90		-			
1225015-03	B121138	Cd-B-HNO3-ICPMS	91			UDE-SL1201	8/2/2012	
1225015-03	B121138	Cu-B-HNO3-ICPMS	92			UDE-SL1201	8/2/2012	
1225015-03	B121138	Pb-B-HNO3-ICPMS	93			UDE-SL1201	8/2/2012	
1225015-03	B121138	Tl-B-HNO3-ICPMS	94			UDE-SL1201	8/2/2012	
B121138-DUP1	B121138	QC	95		1225015-03			
B121138-MS1	B121138	QC	96		1225015-03			
B121138-MSD1	B121138	QC	97		1225015-03			
1225015-04	B121138	Cd-B-HNO3-ICPMS	98			UDE-SL1201	8/2/2012	
1225015-04	B121138	Pb-B-HNO3-ICPMS	99			UDE-SL1201	8/2/2012	
1225015-04	B121138	Cu-B-HNO3-ICPMS	100			UDE-SL1201	8/2/2012	
1225015-04	B121138	Tl-B-HNO3-ICPMS	101			UDE-SL1201	8/2/2012	
1225015-05	B121138	Cd-B-HNO3-ICPMS	102			UDE-SL1201	8/2/2012	
1225015-05	B121138	Cu-B-HNO3-ICPMS	103			UDE-SL1201	8/2/2012	
1225015-05	B121138	Pb-B-HNO3-ICPMS	104			UDE-SL1201	8/2/2012	

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Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1225015-05	B121138	Tl-B-HNO3-ICPMS	105			UDE-SL1201	8/2/2012	
1200553-CCV6	1200553	QC	106	1228059	-			
1200553-CCB6	1200553	QC	107		-			
1225015-06	B121138	Cd-B-HNO3-ICPMS	108			UDE-SL1201	8/2/2012	
1225015-06	B121138	Cu-B-HNO3-ICPMS	109			UDE-SL1201	8/2/2012	
1225015-06	B121138	Pb-B-HNO3-ICPMS	110			UDE-SL1201	8/2/2012	
1225015-06	B121138	Tl-B-HNO3-ICPMS	111			UDE-SL1201	8/2/2012	
1225015-07	B121138	Cd-B-HNO3-ICPMS	112			UDE-SL1201	8/2/2012	
1225015-07	B121138	Cu-B-HNO3-ICPMS	113			UDE-SL1201	8/2/2012	
1225015-07	B121138	Pb-B-HNO3-ICPMS	114			UDE-SL1201	8/2/2012	
1225015-07	B121138	Tl-B-HNO3-ICPMS	115			UDE-SL1201	8/2/2012	
1225015-08	B121138	Cd-B-HNO3-ICPMS	116			UDE-SL1201	8/2/2012	
1225015-08	B121138	Cu-B-HNO3-ICPMS	117			UDE-SL1201	8/2/2012	
1225015-08	B121138	Pb-B-HNO3-ICPMS	118			UDE-SL1201	8/2/2012	
1225015-08	B121138	Tl-B-HNO3-ICPMS	119			UDE-SL1201	8/2/2012	
1225015-09	B121138	Cu-B-HNO3-ICPMS	120			UDE-SL1201	8/2/2012	
1225015-09	B121138	Cd-B-HNO3-ICPMS	121			UDE-SL1201	8/2/2012	
1225015-09	B121138	Pb-B-HNO3-ICPMS	122			UDE-SL1201	8/2/2012	
1225015-09	B121138	Tl-B-HNO3-ICPMS	123			UDE-SL1201	8/2/2012	
1225015-10	B121138	Cd-B-HNO3-ICPMS	124			UDE-SL1201	8/2/2012	
1225015-10	B121138	Cu-B-HNO3-ICPMS	125			UDE-SL1201	8/2/2012	
1225015-10	B121138	Pb-B-HNO3-ICPMS	126			UDE-SL1201	8/2/2012	
1225015-10	B121138	Tl-B-HNO3-ICPMS	127			UDE-SL1201	8/2/2012	
1225015-15	B121138	Cd-B-HNO3-ICPMS	128			UDE-SL1201	8/2/2012	
1225015-15	B121138	Cu-B-HNO3-ICPMS	129			UDE-SL1201	8/2/2012	
1225015-15	B121138	Pb-B-HNO3-ICPMS	130			UDE-SL1201	8/2/2012	

ANALYSIS SEQUENCE

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Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1225015-15	B121138	Tl-B-HNO3-ICPMS	131			UDE-SL1201	8/2/2012	
1200553-CCV7	1200553	QC	132	1228058	-			
1200553-CCB7	1200553	QC	133		-			
B121147-BLK1	B121147	QC	134		-			
B121147-BLK2	B121147	QC	135		-			
B121147-BLK3	B121147	QC	136		-			
B121147-BLK4	B121147	QC	137		-			
B121147-BS1	B121147	QC	138		-			
B121147-SRM1	B121147	QC	139		-			
B121147-SRM2	B121147	QC	140		-			
1226009-03	B121147	Pb-S-RARBomb-ICPMS	141			Þb - Amy Durdle	7/16/2012	
1226009-04	B121147	Pb-S-RARBomb-ICPMS	142			Þb - Amy Durdle	7/16/2012	
1226009-05	B121147	Pb-S-RARBomb-ICPMS	143			Þb - Amy Durdle	7/16/2012	
1200553-CCV8	1200553	QC	144	1228058	-			
1200553-CCB8	1200553	QC	145	1228058	-			
1226018-79	B121147	Ca-S-RARBomb-ICPMS	146			TTI-ST1001	7/23/2012	
1226018-79	B121147	Fe-S-RARBomb-ICPMS	147			TTI-ST1001	7/23/2012	
1226018-79	B121147	Pb-S-RARBomb-ICPMS	148			TTI-ST1001	1/1/1980	BatchQC
B121147-DUP1	B121147	QC	149		1226018-79			
B121147-MS1	B121147	QC	150		1226018-79			
B121147-MSD1	B121147	QC	151		1226018-79			
B121147-PS1	B121147	QC	152		1226018-79			
1226018-80	B121147	Ca-S-RARBomb-ICPMS	153			TTI-ST1001	7/23/2012	
1226018-80	B121147	Fe-S-RARBomb-ICPMS	154			TTI-ST1001	7/23/2012	
1226018-81	B121147	Ca-S-RARBomb-ICPMS	155			TTI-ST1001	7/23/2012	
1226018-81	B121147	Fe-S-RARBomb-ICPMS	156			TTI-ST1001	7/23/2012	

ANALYSIS SEQUENCE

1200553

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1226027-40	B121147	Ca-S-RARBomb-ICPMS	157			TTI-ST1001	7/24/2012	
1226027-40	B121147	Fe-S-RARBomb-ICPMS	158			TTI-ST1001	7/24/2012	
1226028-76	B121147	Ca-S-RARBomb-ICPMS	159			TTI-ST1001	7/24/2012	
1226028-76	B121147	Fe-S-RARBomb-ICPMS	160			TTI-ST1001	7/24/2012	
1226028-77	B121147	Ca-S-RARBomb-ICPMS	161			TTI-ST1001	7/24/2012	
1226028-77	B121147	Fe-S-RARBomb-ICPMS	162			TTI-ST1001	7/24/2012	
1200553-CCV9	1200553	QC	163	1228058	-			
1200553-CCB9	1200553	QC	164		-			

ICP-MS Analysis Benchsheet Batch No: B121147, 1138,1228, 1247

BR-0060 standard / DRC mode (circle one)

Analyst: MEL Date: 7/20/2012

Instrument ID: ICPMS-2 cHNO3 ID: 1220047 cHCl ID: NA

Calibration recorded in LIMS Int Std: 1213014 SEQ: 1200553

A/S #	Batch	Sample ID	Dilution	Comments
1		warm up		
1		warm up		
1		warm up		
1		SEQ-ICB1		
2		SEQ-CAL1		1228062
3		SEQ-CAL2		1228061
4		SEQ-CAL3		1228060
5		SEQ-CAL4		1228059
6		SEQ-CAL5		1228058
7		SEQ-CAL6		1228057
8		SEQ-CAL7		1228056
9		SEQ-CAL8		1228055
1		SEQ-ICB2		*Zn high pt out*
10		SEQ-ICV1		1217029
1		SEQ-ICB3		
105		SEQ-SCV1	5x	NIST 1643e 1202032 or 1215030
106		SEQ-SCV2	5x	Hardness 1110047; 1227052
107		SEQ-IFA1	200x	1144088
108		SEQ-IFB1	200x	1144089
101		SEQ-IBL1		
102		SEQ-IBL2		
103		SEQ-IBL3		
104		SEQ-IBL4		
5		SEQ-CCV1		1228059
1		SEQ-CCB1		
109	B121228	B121228-BLK1		
110	B121228	B121228-BLK2		
111	B121228	B121228-BLK3		
112	B121228	B121228-BLK4		
113	B121228	B121228-BS1		
114	B121228	1224025-03		
115	B121228	B121228-DUP1		1224025-03
116	B121228	B121228-DUP2	5x	1224025-03
117	B121228	B121228-MS1		20ul of 1228039 up to 5ml
118	B121228	B121228-MSD1		20ul of 1228039 up to 5ml
5		SEQ-CCV2		1228059
1		SEQ-CCB2		
119	B121228	1224025-04		
120	B121228	1224025-05		

130	B121228	1224025-03RE1	5x	
131	B121228	B121228-DUP3	5x	1224025-03RE1
132	B121228	B121228-DUP4	25x	1224025-03RE1
133	B121228	B121228-MS2	5x	20ul of 1228039 up to 5ml
134	B121228	B121228-MSD2	5x	20ul of 1228039 up to 5ml
135	B121228	1224025-04RE1	5x	
136	B121228	1224025-05RE1	5x	
5		SEQ-CCV3		1228059
1		SEQ-CCB3		
121	B121247	B121247-BLK1		
122	B121247	B121247-BLK2		
123	B121247	B121247-BLK3		
124	B121247	B121247-BLK4		
125	B121247	B121247-BS1		
126	B121247	1226027-36RE2	5x	
127	B121247	B121247-DUP1	5x	1226027-36RE2
128	B121247	B121247-MS1	5x	25ul of ~~1216017~~ 1226027 up to 5ml
129	B121247	B121247-MSD1	5x	25ul of ~~1216017~~ 1226027 up to 5ml
5		SEQ-CCV4		1228059
1		SEQ-CCB4		
137	B121138	B121138-BLK1	10x	
138	B121138	B121138-BLK2	10x	
139	B121138	B121138-BLK3	10x	
140	B121138	B121138-BLK4	10x	
141	B121138	B121138-BS1	10x	
142	B121138	B121138-SRM1	10x	
143	B121138	B121138-SRM2	10x	
5		SEQ-CCV5		1228059
1		SEQ-CCB5		
144	B121138	1225015-03	10x	
145	B121138	B121138-DUP1	10x	
146	B121138	B121138-MS1	10x	
147	B121138	B121138-MSD1	10x	
148	B121138	1225015-04	10x	
149	B121138	1225015-05	10x	
5		SEQ-CCV6		1228059
1		SEQ-CCB6		
150	B121138	1225015-06	10x	
151	B121138	1225015-07	10x	
152	B121138	1225015-08	10x	
153	B121138	1225015-09	10x	
154	B121138	1225015-10	10x	
155	B121138	1225015-15	10x	
6		SEQ-CCV7		1228058
1		SEQ-CCB7		
201	B121147	B121147-BLK1	50x	
202	B121147	B121147-BLK2	50x	
203	B121147	B121147-BLK3	50x	
204	B121147	B121147-BLK4	50x	
205	B121147	B121147-BS1	50x	
206	B121147	B121147-SRM1	50x	
207	B121147	B121147-SRM2	50x	

208	B121147	1226009-03	50x	
209	B121147	1226009-04	50x	
210	B121147	1226009-05	50x	
6		SEQ-CCV8		1228058
1		SEQ-CCB8		
211	B121147	1226018-79	50x	
212	B121147	B121147-DUP1	50x	
213	B121147	B121147-MS1	50x	
214	B121147	B121147-MSD1	50x	
215	B121147	B121147-PS1	50x	75µL 1227004 to 5mL
216	B121147	1226018-80	50x	
217	B121147	1226018-81	50x	
218	B121147	1226027-40	50x	
219	B121147	1226028-76	50x	
220	B121147	1226028-77	50x	
6		SEQ-CCV9		1228058
1		SEQ-CCB9		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		

SmartTune Wizard - Summary

Optimization Summary

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

Start Time: 7/20/2012 10:26:26 AM
End Time: 7/20/2012 10:42:18 AM

Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (12/11.975), Target/Obtained resolution (0.7/0.708)
Target/Obtained mass (23.985/24.025), Target/Obtained resolution (0.7/0.703)
Target/Obtained mass (75.93/75.925), Target/Obtained resolution (0.7/0.694)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.706)
Target/Obtained mass (139.905/139.875), Target/Obtained resolution (0.7/0.707)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.696)
Target/Obtained mass (238.05/238.025), Target/Obtained resolution (0.7/0.702)

Trace Metals Method BR-0065 Rev ___ (ICP-MS)
5% Nitric Acid Digestion

BRL Report 1225015

Batch #(s): B121231, 1200, 1230, 1228 Page 1 of 1

Workorder #(s): 1228034, 7020, 8028, 8001, 4025

Prepared By: CE

Preparation Date and Time*: 7/16/12 1635

Date and Time of Finished Preparation: 7/17/12 0900

* Time is when the first reagents are added.

Sample ID	Sample Vol.(mL)	Acid Added (mL)
BLK1	125	6.25
BLK2		
BLK3		
BLK4		
BS1		
□ 1228034-01	500	22.5
△ 1227020-01	250	12.25
-02		
-03		
-04		
-05		
-06		
-07		
-08		
-09		
-10		
-11		
-12		
-13		
1228028-01	125	6.125
-02		

Sample ID	Sample Vol.(mL)	Acid Added (mL)
△ 1228028-03	125	6.125
-04		
-05		
* 1228001-01	210	10.5
△ 1224025-03	500	24.5
-04		
-05		

Balance ID: BL-02

Oven ID: OV-05

HNO_3 ID: 1220047

Bottle lot #: 12-175

circle 125mL or 250mL	standard	mL to add to 125mL bottle	mL to add to 250mL bottle	LIMS ID
BS1	ML-1	2.5	5	1227049
	0.02 ppm Ag	2.5	5	1216093
	0.02 ppm Sb	2.5	5	1212066
	~~0.10 ppm Sn~~	~~2.5~~	~~5~~	
	1 ppm Y	1.25	2.5	1223037
*	1ppm Ga	1.25	2.5	1229040
*	1ppm Rb	1.25	2.5	1229042

Spike Witness Initials/Date: MEL 7/16/12

Target Oven Temperature: 85°C

Time/Temp* In: M:79°C C:78°C 1645 7/16/12

Time/Temp* Out: M:86°C C:85°C 0900 7/17/12

Thermometer ID: TM-01

* Both measured and corrected temperatures must be recorded.

Comments: □: pre-presened w/0.5% HNO_3. △: pre-presened w/0.1% HNO_3.
*: Sample vol. est. using 250mL reference bottle.
●: pre-presened w/HCl. Treated as 0% HNO_3.

Trace Metals Method BR-0065 Rev ___ (ICP-MS)
≤% Nitric Acid Digestion

BRL Report 1225015

COPY

Batch #(s): B121135, 1172, 1173, 1175 Page 1 of 2

Workorder #(s): 1225022, 7005, 7004, 6015, 7003

Prepared By: CLF

Preparation Date and Time*: 7/5/12 1515

Date and Time of Finished Preparation: 7/6/12 0940

* Time is when the first reagents are added.

Sample ID	Sample Vol.(mL)	Acid Added (mL)
BLK1	125	6.25
BLK2	↓	↓
BLK3		
BLK4		
BS1	↓	↓
Δ 1225022-01	125	6.125
-02	↓	↓
-03		
-04		
-05		
-06		
-07		
-08		
-09		
-10		
-11		
-12		
-13		
-14		
-15		
-16	↓	↓

Sample ID	Sample Vol.(mL)	Acid Added (mL)
Δ 1225022-17	125	6.125
-18	↓	↓
Δ 1227005-01	125	
-02	↓	
-03		
-04		
-05		
-06		
-07		
-08		
-09	↓	
Δ 1227004-01	125	
-02	↓	
-03		
-04	↓	
Δ 1226015-01		
-02		
-03		
-04	↓	↓ 6.25
O* 1227003-01	125	6.125 7/5/12
-03	↓	↓

Balance ID: BL-01

Oven ID: OV-05

HNO_3 ID: 1220052

Bottle lot #: 12-154

Target Oven Temperature: 85°C

Time/Temp* In: M: 82°C 1545 7/5/12

Time/Temp* Out: M: 92°C C: 91°C 0940 7/6/12

Thermometer ID: TM-01

* Both measured and corrected temperatures must be recorded.

circle (125mL) or ~~250mL~~	standard	mL to add to 125mL bottle	mL to add to 250mL bottle	LIMS ID
	ML-1	(2.5)	5	1210062
Fake	~~0.02 ppm Ag~~	~~2.5~~	~~5~~	
BS1	0.02 ppm Sb	(2.5)	5	1212066
Spike:	~~0.10 ppm Sn~~	~~2.5~~	~~5~~	
1227017	1 ppm Y	(1.25)	2.5	1223037

Spike Witness Initials/Date: CMC 7/5/12

Comments: Δ: pre-preserved w/0.1% HNO_3. O: pre-preserved w/unknown amt HNO_3. Treated as Δ
*: vol. est. using eq. for vol. of a cylinder.
†: vol. est. using gradations on sample tube

Trace Metals Method BR-0065 Rev 004 (ICP-MS)

5% Nitric Acid Digestion

Batch #(s): B121135, 1172, 1173, 1175

Sample ID	Sample Vol.(mL)	Acid Added (mL)
1227003-05	95	4.75
-07	125	6.25
1226020-01	125	6.125
-02		
-03		
-04		
1226018-11	44	2.15
-22	40	1.96
-33	42	2.05
-44	42	2.05
-55	41	2
-66	45	2.2
-68	125	6.125
-69		
-71		
-72		
-74		
-75		
-77		
-78		
-83		

Sample ID	Sample Vol.(mL)	Acid Added (mL)
1226027-11	45	2.2
-22	42	2.05
-33	44	2.15
-35	125	6.125
-36		
-38		
-39		
1226028-11	45	2.2
-22		
-33	44	2.15
-44	43	2.1
-55	44	2.15
-66	43	2.1
-68	125	6.125
-69		
-71		
-72		
-74		
-75		
7/5/12		

Comments:

Trace Metals Method BR-0070 Rev_____ (ICP-MS)

Biota Preparation by HotBlock Digestion

Digestion by: HNO_3 / H_2O_2

BRL Report 1225015

Batch #: B121137, 1138 Prepared By: CCE Preparation Date and Time*: 7/13/12 1545

Matrix: biota / brine shrimp Balance ID: BL-03 Date and Time of Finished Preparation: 1000 7/16/12

* Time is when the first reagents are added.

Sample ID	Sample Mass (g)	Notes
BLK1	---	
BLK2	---	
BLK3	---	
BLK4	---	
BS1	---	
SRM1	0.250	DORM-3
SRM2	0.259	TORT-2
12270060l	0.471	
1225015-03	0.507	
DUP1	0.497	
MS1	0.573	
MSD1	0.604	
1225015-04	0.655	
-05	0.680	
-06	0.594	
-07	0.504	
-08	0.532	
-09	0.581	
-10	0.554	Final vol=50mL
-15	0.645	

CE 7/13/12

Sample ID	Sample Mass (g)	Notes

CE 7/13/12

Sample ID	Spike ID	Spike Added (mL)	Analyte/Concentration	Spike Witness Initials/Date
BS1, MS1, MSD1	1228098	0.1	B121137, 1138 spike	MEL 7/13/12
		CE 7/13/12		

Reagents Added (ID/Amount Added)

10mL HNO_3 (1220047)

0.1mL H_2O_2 (1107099)

Environ. Express tube lot #: 1107184

Final Dilution Volume 40 mL

Target Hotblock Temperature = 100 °C

HotBlock Temperature*, Time On / Time Off, Date

N:100°C C:99°C 1555 7/13/12

timer set for 3.5hrs

Thermometer ID: 0103896

* Both measured and corrected temperatures must be recorded.

SRM-Matrix-LIMS ID #

SRM1 - DORM-3 - 219049

SRM2 - TORT-2 - 1051005

Comments:

Samples were aliquotted w/pipette

B121137, 1138
biota

Samples spiked: BS1, MS1, MSD1

Element	Target Conc. (mg/kg)	spike conc w/ **0.1mL spike vol** and **0.5g sample**	mL from stock into **10mL tube**	ppm	LIMS ID
As DRC	1.000	5.000	0.5000	**100**	1227001
Cd	0.200	1.000	0.1000	**100**	1216067
Cu	1.600	8.000	0.8000	**100**	1227010
Pb	0.400	2.000	0.2000	**100**	1227018
Se DRC	1.500	7.500	0.7500	**100**	1212072
Tl	0.080	0.400	0.4000	**10**	1216087

Spike mix ID: 1228098

Add 7.25mL 2% HNO3

Trace Metals Method BR-0067 Rev____ (ICP-MS)

Solid Sample Preparation by Oven Bomb Digestion

Digestion by: Reverse Aqua Regia

Batch #: B121147, 1187 Prepared By: CLE Preparation Date and Time*: 7/13/12 1455

Matrix: seds Date and Time of Finished Preparation: 7/16/12 1055

Bomb #	Sample ID	Sample Mass (g)	Bomb Mass (g)	Bomb Mass Pre-oven (g)	Bomb Mass Post-oven (g)
219	BLK1	---	132.22	153.52	154.13
209	BLK2	---	132.61	153.85	153.93
313	BLK3	---	129.67	151.07	151.77
216	BLK4	---	129.59	150.94	151.25
292	B121147 BS1	---	133.26	155.76	156.48
246	SRM1	0.294	132.62	153.89	154.74
291	SRM2	0.280	128.53	150.04	149.78
005	1226009-03	0.572	132.79	154.24	154.97
274	-04	0.596	131.94	153.77	154.56
317	-05	0.530	130.07	151.66	152.39
312	1226018-79	0.559	132.55	154.21	155.10

Bomb #	Sample ID	Sample Mass (g)	Bomb Mass (g)	Bomb Mass Pre-oven (g)	Bomb Mass Post-oven (g)
215	B121147 DUP1	0.613	132.57	154.37	155.18
258	MS1	0.575	132.24	155.20	155.98
297	MSD1	0.573	132.62	155.60	156.51
294	1226018-80	0.591	130.80	152.63	153.40
335	-81	0.496	131.18	152.93	153.76
235	1226027-40	0.615	132.65	154.30	154.88
346	1226028-76	0.652	130.11	152.03	152.95
318	-77	0.495	129.19	150.77	151.17
250	1227013-01	0.657	132.92	154.51	155.28
305	B121187 DUP1	0.527	132.43	152.79	154.60
343	MS1	0.562	129.84	151.77	152.58

NOTE: The % Sample Loss must be calculated for each bomb before passing the sample preparations on for analysis.
Warning Limit is 5.0% sample loss / Control Limit is 10.0% sample loss.

Sample ID	Spike ID	Spike Added (mL)	Analyte/Concentration
B121147 BS1, MS/MSD1	1140023	1.00	Ca 10,000 ppm
↓	1116038	0.120	Fe 10,000 ppm
↓	1227019	0.075	Pb 10ppm
B121187 BS1, MS/MSD1	1227034	0.400	As 10ppm

Take spike: 1228102

Spike Witnessed by Initials/Date: MEL 7/13/12

SRM-Matrix-LIMS ID#: SRM1 - NIST 2709a - 0919050
SRM2 - NIST 2710a - 0919053

Reagents Added (ID/Amount Added):
1) 4mL HCl (1051060) 2) 2mL HNO_3 (1220047) 3) Final Dilution Volume: 50mL

Balance ID: BL-03, BL-01, BL-02 Oven ID: OV-05 Target Temp: 130 °C Measured Temp*/Date/Time In: C: 126°C M: 128°C 7/13/12 1510 Out: 7/14/12 1125 KJ C: 130°C M: 133°C

Environ. Express tube lot #: Thermometer ID: TM-01

* Both measured and corrected temperatures must be recorded.

Comments: BL-01 used to weigh bomb mass & pre-oven mass - BL-02 used to weigh post-oven mass.

Trace Metals Method BR-0067 Rev____ (ICP-MS)

Solid Sample Preparation by Oven Bomb Digestion

Digestion by: Reverse Aqua Regia

Batch #: B121147,1187 Prepared By: CoE Preparation Date and Time*: 7/13/12 1455

Matrix: Seds Date and Time of Finished Preparation: 7/16/12 1055

Bomb #	Sample ID	Sample Mass (g)	Bomb Mass (g)	Bomb Mass Pre-oven (g)	Bomb Mass Post-oven (g)
284	B121187 MSD1	0.542	132.41	154.26	155.22
266	122703-02	0.564	132.79	154.02	154.98
241	-03	0.657	132.36	153.84	154.63
320	-04	0.535	129.96	151.81	152.65
311	-05	0.541	130.43	151.82	152.76
205	-06	0.561	132.90	154.32	155.29
268	-07	0.435	132.56	153.82	154.64
248	-08	0.282	132.77	154.41	155.28
200	B121187 BS1	—	133.11	154.73	155.60

CoE 7/13/12

Bomb #	Sample ID	Sample Mass (g)	Bomb Mass (g)	Bomb Mass Pre-oven (g)	Bomb Mass Post-oven (g)

CoE 7/13/12

NOTE: The % Sample Loss must be calculated for each bomb before passing the sample preparations on for analysis.
Warning Limit is 5.0% sample loss / Control Limit is 10.0% sample loss.

Comments:

B121147, 1187
RAR

B121147
Samples spiked:

Element	Target Conc. (mg/kg)	vol to spike directly to **0.5g sample**	ppm	LIMS ID
* Ca	30000.000	~~1500~~ 1 mL	**10000**	1140023
Fe	2400.000	0.120	**10000**	1116038
Pb	1.500	0.075	10	1227019

Fake Spike ID: 1228012

* Spike Ca w/ 1 mL 10 000 ppm so as to minimize spike vol. + interference w/ digestion. As per TMH.

B121187
Samples spiked:

Element	Target Conc. (mg/kg)	vol to spike directly to **0.5g sample**	ppm	LIMS ID
As DRC	8.000	0.400	10	1227034

Batch:	B121147, 1187		Date:	7/16/2012	Warning level:		5%	
Analyst:	CCE				Control Limit:		10%	
	Empty Bomb + Lid	Bomb + Sample pre-oven	Bomb + Sample post-oven	post-oven w/ CF	Sample Loss			
Sample ID	(g)	(g)	(g)	(g)	%	OK?	Comments	
BLK1	132.220	153.520	154.130	152.8865	3.0%	y	Corrected for high bias of post-oven balance (BL-02).	
BLK2	132.610	153.850	153.930	152.6881	5.5%	y		
BLK3	129.670	151.070	151.770	150.5456	2.5%	y	"post-oven w/CF" = "Bomb + Sample post-oven" / Correction Factor (CF).	
BLK4	129.590	150.940	151.250	150.0298	4.3%	y		
B121147 BS1	133.260	155.760	156.480	155.2176	2.4%	y	CF=151.22/150=1.008133	
SRM1	132.620	153.890	154.740	153.4916	1.9%	y	See BL-02 logbook for details.	
SRM2	128.530	150.040	149.780	148.5716	6.8%	y		
1226009-03	132.790	154.240	154.970	153.7197	2.4%	y		
1226009-04	131.940	153.770	154.560	153.3131	2.1%	y		
1226009-05	130.070	151.660	152.390	151.1606	2.3%	y		
1226018-79	132.550	154.210	155.100	153.8487	1.7%	y		
B121147 DUP1	132.570	154.370	155.180	153.9281	2.0%	y		
B121147 MS1	132.240	155.200	155.980	154.7216	2.1%	y		
B121147 MSD1	132.620	155.600	156.510	155.2473	1.5%	y		
1226018-80	130.800	152.630	153.400	152.1624	2.1%	y		
1226018-81	131.180	152.930	153.760	152.5195	1.9%	y		
1226027-40	132.650	154.300	154.880	153.6305	3.1%	y		
1226028-76	130.110	152.030	152.950	151.716	1.4%	y		
1226028-77	129.190	150.770	151.170	149.9504	3.8%	y		
1227013-01	132.920	154.510	155.280	154.0272	2.2%	y		
B121187 DUP1	132.430	153.790	154.600	153.3527	2.0%	y		
B121187 MS1	129.840	151.770	152.580	151.349	1.9%	y		
B121187 MSD1	132.410	154.260	155.220	153.9677	1.3%	y		
1227013-02	132.790	154.020	154.980	153.7297	1.4%	y		
1227013-03	132.360	153.840	154.630	153.3825	2.1%	y		
1227013-04	129.960	151.810	152.650	151.4185	1.8%	y		
1227013-05	130.430	151.820	152.760	151.5276	1.4%	y		
1227013-06	132.900	154.320	155.290	154.0372	1.3%	y		
1227013-07	132.560	153.820	154.640	153.3924	2.0%	y		
1227013-08	132.770	154.410	155.280	154.0272	1.8%	y		
B121187 BS1	133.110	154.730	155.600	154.3447	1.8%	y		

Sample Information

Report Title: QUANTITATIVE ANALYSIS REPORT
Batch ID:
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015
Tuning File: C:\Elandata\Tuning\Default.tun
Optimization File: C:\Elandata\Optimize\Default.dac
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Calibration Type: External Calibration

Calibration

	Analyte	Mass	Curve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
	Mg	24	Weighted Linear	0.009	-0.001	0.997682	3.000000
	Ca	44	Weighted Linear	0.001	-0.001	0.998984	30.000000
>	Sc	45	Weighted Linear				
	Fe	54	Weighted Linear	0.001	0.001	0.999299	5.000000
	Fe	57	Weighted Linear	0.000	0.000	0.999560	5.000000
	Cu	65	Weighted Linear	0.013	0.000	0.999684	0.100000
	Cu	63	Weighted Linear	0.027	-0.000	0.999616	0.100000
	Zn	66	Weighted Linear	0.008	-0.000	0.999479	0.200000
	Zn	68	Weighted Linear	0.006	-0.000	0.999382	0.200000
>	Ge	74	Weighted Linear				
	Cd	111	Weighted Linear	0.001	-0.000	0.999863	0.010000
	Cd	114	Weighted Linear	0.002	-0.000	0.999636	0.010000
>	In	115	Weighted Linear				
	Sb	121	Weighted Linear	0.003	-0.000	0.999940	0.020000
>	Tm	169	Weighted Linear				
	Tl	205	Weighted Linear	0.011	0.000	0.998197	0.010000
	Pb	208	Weighted Linear	0.015	0.000	0.998859	0.025000

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB1

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 11:35:29
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24		242	14	5.6			ug/L
	Ca	44		30618	336	1.1			ug/L
>	Sc	45		674716	11023	1.6			ug/L
	Fe	54		46306	376	0.8			ug/L
	Fe	57		6282	115	1.8			ug/L
	Cu	65		50	6	12.2			ug/L
	Cu	63		61	5	8.2			ug/L
	Zn	66		363	13	3.5			ug/L
	Zn	68		259	13	5.0			ug/L
>	Ge	74		261576	7964	3.0			ug/L
	Cd	111		13	2	11.5			ug/L
	Cd	114		61	14	22.2			ug/L
>	In	115		3774748	47117	1.2			ug/L
	Sb	121		22	6	25.9			ug/L
>	Tm	169		2291754	12440	0.5			ug/L
	Tl	205		15	9	57.7			ug/L
	Pb	208		189	9	4.8			ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
>	Tm	169	

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL1
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 11:37:27
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-CAL1.016
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	17779	1144	6.4	0.024985	**3.0203**	ug/L
	Ca	44	30618	42624	777	1.8	0.015507	**31.0813**	ug/L
>	Sc	45	674716	701571	47132	6.7	701571.293943		ug/L
	Fe	54	46306	52860	3390	6.4	0.006726	**5.1039**	ug/L
	Fe	57	6282	8504	871	10.2	0.002793	**4.8644**	ug/L
	Cu	65	50	424	18	4.3	0.001359	**0.0987**	ug/L
	Cu	63	61	783	85	10.9	0.002618	**0.0990**	ug/L
	Zn	66	363	783	58	7.4	0.001467	**0.2046**	ug/L
	Zn	68	259	587	44	7.5	0.001153	**0.2048**	ug/L
>	Ge	74	261576	274051	17565	6.4	274051.196255		ug/L
	Cd	111	13	49	3	5.2	0.000009	**0.0099**	ug/L
	Cd	114	61	123	14	11.7	0.000016	**0.0098**	ug/L
>	In	115	3774748	3866959	140092	3.6	3866959.160200		ug/L
	Sb	121	22	202	19	9.3	0.000046	**0.0201**	ug/L
>	Tm	169	2291754	2330307	63146	2.7	2330307.407791		ug/L
	Tl	205	15	265	10	3.7	0.000107	**0.0095**	ug/L
	Pb	208	189	1042	73	7.0	0.000364	**0.0245**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
>	Tm	169	

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL2
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 11:39:25
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-CAL2.017
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	39724	554	1.4	0.050461	**5.9670**	ug/L
	Ca	44	30618	57788	416	0.7	0.028554	**55.2530**	ug/L
>	Sc	45	674716	781643	5826	0.7	781643.161810		ug/L
	Fe	54	46306	62845	1033	1.6	0.011773	**9.4914**	ug/L
	Fe	57	6282	11585	277	2.4	0.005511	**10.5175**	ug/L
	Cu	65	50	903	12	1.4	0.002783	**0.2043**	ug/L
	Cu	63	61	1711	9	0.5	0.005402	**0.2027**	ug/L
	Zn	66	363	1275	48	3.8	0.002810	**0.3800**	ug/L
	Zn	68	259	956	18	1.8	0.002160	**0.3802**	ug/L
>	Ge	74	261576	303641	1460	0.5	303640.651151		ug/L
	Cd	111	13	90	8	8.4	0.000019	**0.0202**	ug/L
	Cd	114	61	224	7	3.2	0.000039	**0.0207**	ug/L
>	In	115	3774748	4060606	33805	0.8	4060606.478454		ug/L
	Sb	121	22	415	13	3.1	0.000096	**0.0396**	ug/L
>	Tm	169	2291754	2429896	21582	0.9	2429896.499081		ug/L
	Tl	205	15	609	6	1.0	0.000244	**0.0221**	ug/L
	Pb	208	189	2033	28	1.4	0.000754	**0.0514**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
>	Tm	169	

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL3
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 11:41:23
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 4

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-CAL3.018
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	197264	3031	1.5	0.251158	**29.1810**	ug/L
	Ca	44	30618	164375	1054	0.6	0.164226	**306.6032**	ug/L
>	Sc	45	674716	784518	16855	2.1	784518.087616		ug/L
	Fe	54	46306	101305	1660	1.6	0.060511	**51.8634**	ug/L
	Fe	57	6282	26713	209	0.8	0.024746	**50.5241**	ug/L
	Cu	65	50	4181	46	1.1	0.013721	**1.0153**	ug/L
	Cu	63	61	8392	172	2.0	0.027690	**1.0329**	ug/L
	Zn	66	363	5086	151	3.0	0.015535	**2.0419**	ug/L
	Zn	68	259	3788	160	4.2	0.011613	**2.0277**	ug/L
>	Ge	74	261576	300557	2464	0.8	300557.153041		ug/L
	Cd	111	13	394	25	6.3	0.000095	**0.1024**	ug/L
	Cd	114	61	933	71	7.6	0.000216	**0.1035**	ug/L
>	In	115	3774748	4012841	7838	0.2	4012841.282597		ug/L
	Sb	121	22	2090	11	0.5	0.000515	**0.2037**	ug/L
>	Tm	169	2291754	2418519	21053	0.9	2418519.354421		ug/L
	Tl	205	15	2684	75	2.8	0.001103	**0.1011**	ug/L
	Pb	208	189	9412	117	1.2	0.003809	**0.2618**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
>	Tm	169	

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL4
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 11:43:20
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-CAL4.019
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	1231418	9838	0.8	1.586115	**183.5910**	ug/L
	Ca	44	30618	463800	8088	1.7	0.552225	**1025.4183**	ug/L
>	Sc	45	674716	776245	9005	1.2	776245.288853		ug/L
	Fe	54	46306	285130	956	0.3	0.298731	**258.9691**	ug/L
	Fe	57	6282	101366	2927	2.9	0.121314	**251.3692**	ug/L
	Cu	65	50	20696	164	0.8	0.068764	**5.0965**	ug/L
	Cu	63	61	40959	632	1.5	0.136222	**5.0759**	ug/L
	Zn	66	363	11773	125	1.1	0.037832	**4.9539**	ug/L
	Zn	68	259	8712	220	2.5	0.028037	**4.8900**	ug/L
>	Ge	74	261576	300167	2761	0.9	300166.961361		ug/L
	Cd	111	13	1872	77	4.1	0.000463	**0.5005**	ug/L
	Cd	114	61	4323	66	1.5	0.001062	**0.4987**	ug/L
>	In	115	3774748	4007820	12842	0.3	4007820.132910		ug/L
	Sb	121	22	10313	27	0.3	0.002567	**1.0078**	ug/L
>	Tm	169	2291754	2420757	4925	0.2	2420756.941802		ug/L
	Tl	205	15	6755	40	0.6	0.002784	**0.2558**	ug/L
	Pb	208	189	90822	782	0.9	0.037436	**2.5775**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
>	Tm	169	

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL5
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 11:45:18
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-CAL5.020
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	12873518	264145	2.1	16.649794	**1925.9567**	ug/L
	Ca	44	30618	906162	23519	2.6	1.126399	**2089.1484**	ug/L
>	Sc	45	674716	773410	24284	3.1	773409.682599		ug/L
	Fe	54	46306	511310	12053	2.4	0.592590	**514.4468**	ug/L
	Fe	57	6282	195710	3360	1.7	0.243820	**506.1633**	ug/L
	Cu	65	50	40998	946	2.3	0.137529	**10.1952**	ug/L
	Cu	63	61	81279	1393	1.7	0.272796	**10.1635**	ug/L
	Zn	66	363	117225	2946	2.5	0.392415	**51.2621**	ug/L
	Zn	68	259	88234	784	0.9	0.295422	**51.4898**	ug/L
>	Ge	74	261576	297681	2852	1.0	297680.871935		ug/L
	Cd	111	13	3796	80	2.1	0.000929	**1.0026**	ug/L
	Cd	114	61	8740	119	1.4	0.002129	**0.9970**	ug/L
>	In	115	3774748	4073286	7351	0.2	4073285.952643		ug/L
	Sb	121	22	20548	250	1.2	0.005039	**1.9761**	ug/L
>	Tm	169	2291754	2422135	11169	0.5	2422134.867854		ug/L
	Tl	205	15	13567	89	0.7	0.005595	**0.5145**	ug/L
	Pb	208	189	182402	2440	1.3	0.075225	**5.1800**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
>	Tm	169	

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL6
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 11:47:16
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 7

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-CAL6.021
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	65833097	936528	1.4	84.183951	**9737.4081**	ug/L
	Ca	44	30618	4127090	37763	0.9	5.232076	**9695.4276**	ug/L
>	Sc	45	674716	782029	6346	0.8	782028.846102		ug/L
	Fe	54	46306	2246620	54241	2.4	2.804543	**2437.4904**	ug/L
	Fe	57	6282	940924	23131	2.5	1.194067	**2482.5259**	ug/L
	Cu	65	50	199414	4613	2.3	0.675672	**50.0963**	ug/L
	Cu	63	61	397694	6660	1.7	1.347625	**50.2025**	ug/L
	Zn	66	363	573671	16542	2.9	1.943045	**253.7733**	ug/L
	Zn	68	259	435609	3370	0.8	1.475235	**257.1072**	ug/L
>	Ge	74	261576	295118	3391	1.1	295117.755280		ug/L
	Cd	111	13	18985	263	1.4	0.004670	**5.0422**	ug/L
	Cd	114	61	43670	289	0.7	0.010734	**5.0156**	ug/L
>	In	115	3774748	4062324	39563	1.0	4062324.342699		ug/L
	Sb	121	22	41481	99	0.2	0.010206	**4.0006**	ug/L
>	Tm	169	2291754	2446822	1455	0.1	2446822.366860		ug/L
	Tl	205	15	65951	398	0.6	0.026947	**2.4795**	ug/L
	Pb	208	189	354535	1180	0.3	0.144814	**9.9725**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
>	Tm	169	

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL7
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 11:49:13
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 8

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-CAL7.022
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	132773973	3585009	2.7	180.738496	**20905.5512**	ug/L
	Ca	44	30618	7833942	91577	1.2	10.614980	**19667.9312**	ug/L
>	Sc	45	674716	734887	10640	1.4	734887.358030		ug/L
	Fe	54	46306	4178791	60369	1.4	5.618510	**4883.9172**	ug/L
	Fe	57	6282	1757059	7929	0.5	2.381945	**4953.1225**	ug/L
	Cu	65	50	371293	4105	1.1	1.303198	**96.6249**	ug/L
	Cu	63	61	741916	12868	1.7	2.604625	**97.0276**	ug/L
	Zn	66	363	1063368	5160	0.5	3.731768	**487.3790**	ug/L
	Zn	68	259	797330	13907	1.7	2.797882	**487.6175**	ug/L
>	Ge	74	261576	284865	2670	0.9	284865.218635		ug/L
	Cd	111	13	37292	155	0.4	0.009161	**9.8905**	ug/L
	Cd	114	61	86045	755	0.9	0.021127	**9.8693**	ug/L
>	In	115	3774748	4069636	43134	1.1	4069635.978045		ug/L
	Sb	121	22	103798	1086	1.0	0.025501	**9.9932**	ug/L
>	Tm	169	2291754	2440447	16214	0.7	2440446.888110		ug/L
	Tl	205	15	127984	197	0.2	0.052438	**4.8254**	ug/L
	Pb	208	189	849590	2461	0.3	0.348057	**23.9694**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
>	Tm	169	

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL8

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 11:51:11
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-CAL8.023
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	263670510	921377	0.3	389.425963	**45043.7368**	ug/L
	Ca	44	30618	14625572	319770	2.2	21.549350	**39925.2175**	ug/L
>	Sc	45	674716	677469	20028	3.0	677469.448237		ug/L
	Fe	54	46306	7649143	89942	1.2	11.230145	**9762.6020**	ug/L
	Fe	57	6282	3143391	46311	1.5	4.632750	**9634.4389**	ug/L
	Cu	65	50	677689	9698	1.4	2.613704	**193.7937**	ug/L
	Cu	63	61	1333850	19409	1.5	5.144523	**191.6426**	ug/L
	Zn	66	363	3114093	59468	1.9	12.009837	**1568.4883**	ug/L
	Zn	68	259	2369307	33323	1.4	9.137590	**1592.4990**	ug/L
>	Ge	74	261576	259265	116	0.0	259265.033511		ug/L
	Cd	111	13	74270	272	0.4	0.018026	**19.4617**	ug/L
	Cd	114	61	170513	1472	0.9	0.041377	**19.3265**	ug/L
>	In	115	3774748	4119290	13225	0.3	4119290.435033		ug/L
	Sb	121	22	208866	1410	0.7	0.050698	**19.8656**	ug/L
>	Tm	169	2291754	2434191	16301	0.7	2434190.692510		ug/L
	Tl	205	15	246295	317	0.1	0.101178	**9.3108**	ug/L
	Pb	208	189	1628054	3126	0.2	0.668762	**46.0557**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	
	Cd	111	
	Cd	114	
>	In	115	
	Sb	121	
>	Tm	169	

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB2

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 11:53:09
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB2.024
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	295856	352589	119.2	0.394605	**45.7730**	ug/L
	Ca	44	30618	50741	20637	40.7	0.022211	**43.5024**	ug/L
>	Sc	45	674716	751762	5468	0.7	751761.834575		ug/L
	Fe	54	46306	62730	9622	15.3	0.014865	**12.1797**	ug/L
	Fe	57	6282	11845	3910	33.0	0.006468	**12.5073**	ug/L
	Cu	65	50	1114	787	70.7	0.003543	**0.2607**	ug/L
	Cu	63	61	2227	1724	77.4	0.007234	**0.2709**	ug/L
	Zn	66	363	3913	2460	62.9	0.011743	**1.5466**	ug/L
	Zn	68	259	3044	1835	60.3	0.009231	**1.6126**	ug/L
>	Ge	74	261576	295948	4952	1.7	295947.541881		ug/L
	Cd	111	13	100	67	67.1	0.000020	**0.0214**	ug/L
	Cd	114	61	257	128	49.8	0.000043	**0.0227**	ug/L
>	In	115	3774748	4328138	34120	0.8	4328137.540779		ug/L
	Sb	121	22	392	162	41.3	0.000085	**0.0351**	ug/L
>	Tm	169	2291754	2486457	24108	1.0	2486457.278625		ug/L
	Tl	205	15	429	258	60.1	0.000166	**0.0148**	ug/L
	Pb	208	189	2225	2088	93.8	0.000810	**0.0552**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	111.419
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	113.140
	Cd	111	
	Cd	114	
>	In	115	114.660
	Sb	121	
>	Tm	169	108.496

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICV1

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 12:14:14
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICV1.025
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	1275117	17979	1.4	1.714774	**198.4726**	ug/L
	Ca	44	30618	450680	5846	1.3	0.560836	**1041.3718**	ug/L
>	Sc	45	674716	743462	9317	1.3	743462.036876		ug/L
	Fe	54	46306	267168	697	0.3	0.290755	**252.0352**	ug/L
	Fe	57	6282	95949	2386	2.5	0.119737	**248.0890**	ug/L
	Cu	65	50	20174	120	0.6	0.069995	**5.1878**	ug/L
	Cu	63	61	39423	804	2.0	0.136904	**5.1013**	ug/L
	Zn	66	363	11685	153	1.3	0.039262	**5.1406**	ug/L
	Zn	68	259	8791	79	0.9	0.029599	**5.1623**	ug/L
>	Ge	74	261576	287461	4133	1.4	287461.055633		ug/L
	Cd	111	13	1951	28	1.4	0.000464	**0.5012**	ug/L
	Cd	114	61	4527	46	1.0	0.001069	**0.5017**	ug/L
>	In	115	3774748	4171789	9594	0.2	4171788.522177		ug/L
	Sb	121	22	10970	78	0.7	0.002624	**1.0298**	ug/L
>	Tm	169	2291754	2458286	5329	0.2	2458285.888974		ug/L
	Tl	205	15	6971	82	1.2	0.002829	**0.2599**	ug/L
	Pb	208	189	93917	121	0.1	0.038122	**2.6248**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	110.189
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	109.896
	Cd	111	
	Cd	114	
>	In	115	110.518
	Sb	121	
>	Tm	169	107.267

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB3

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 12:16:12
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB3.026
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	325	6	1.9	0.000077	**0.1392**	ug/L
	Ca	44	30618	31854	124	0.4	-0.002651	**-2.5583**	ug/L
>	Sc	45	674716	745610	11305	1.5	745610.044332		ug/L
	Fe	54	46306	52968	622	1.2	0.002411	**1.3525**	ug/L
	Fe	57	6282	7467	219	2.9	0.000703	**0.5189**	ug/L
	Cu	65	50	56	6	10.8	-0.000004	**-0.0023**	ug/L
	Cu	63	61	58	7	11.3	-0.000039	**0.0000**	ug/L
	Zn	66	363	411	10	2.5	-0.000009	**0.0119**	ug/L
	Zn	68	259	276	5	1.9	-0.000062	**-0.0070**	ug/L
>	Ge	74	261576	297873	1494	0.5	297873.490051		ug/L
	Cd	111	13	11	3	27.0	-0.000001	**-0.0007**	ug/L
	Cd	114	61	69	8	11.9	0.000000	**0.0025**	ug/L
>	In	115	3774748	4204763	38367	0.9	4204762.945838		ug/L
	Sb	121	22	32	3	8.9	0.000002	**0.0026**	ug/L
>	Tm	169	2291754	2457081	9576	0.4	2457080.717829		ug/L
	Tl	205	15	14	4	28.2	-0.000001	**-0.0005**	ug/L
	Pb	208	189	196	14	7.1	-0.000003	**-0.0008**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	110.507
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	113.876
	Cd	111	
	Cd	114	
>	In	115	111.392
	Sb	121	
>	Tm	169	107.214

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV1
Sample Description: 5x
Batch ID:

Sample Date/Time: Friday, July 20, 2012 12:21:39
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 105

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-SCV1.027
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	10373851	228574	2.2	13.358518	**7726.3281**	ug/L
	Ca	44	30618	2618281	44033	1.7	3.326266	**30823.3849**	ug/L
>	Sc	45	674716	776556	2946	0.4	776556.225859		ug/L
	Fe	54	46306	82900	1122	1.4	0.038121	**161.9906**	ug/L
	Fe	57	6282	14909	519	3.5	0.009886	**98.0894**	ug/L
	Cu	65	50	18765	492	2.6	0.062312	**23.0908**	ug/L
	Cu	63	61	37288	611	1.6	0.123975	**23.0985**	ug/L
	Zn	66	363	36013	374	1.0	0.118594	**77.5067**	ug/L
	Zn	68	259	33876	835	2.5	0.111843	**97.4792**	ug/L
>	Ge	74	261576	300208	5083	1.7	300208.260971		ug/L
	Cd	111	13	5342	47	0.9	0.001262	**6.8133**	ug/L
	Cd	114	61	12284	76	0.6	0.002894	**6.7696**	ug/L
>	In	115	3774748	4221388	16407	0.4	4221388.443792		ug/L
	Sb	121	22	125866	496	0.4	0.029811	**58.4095**	ug/L
>	Tm	169	2291754	2487802	17077	0.7	2487802.298981		ug/L
	Tl	205	15	41276	341	0.8	0.016585	**7.6294**	ug/L
	Pb	208	189	145898	762	0.5	0.058565	**20.1636**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	115.094
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	114.769
	Cd	111	
	Cd	114	
>	In	115	111.832
	Sb	121	
>	Tm	169	108.554

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV2
Sample Description: 5x
Batch ID:

Sample Date/Time: Friday, July 20, 2012 12:24:49
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 106

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-SCV2.028
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	37732010	1505283	4.0	56.878873	**32895.6020**	ug/L
	Ca	44	30618	4912212	101518	2.1	7.362821	**68214.4952**	ug/L
>	Sc	45	674716	663286	22583	3.4	663286.324692		ug/L
	Fe	54	46306	39818	1074	2.7	-0.008586	**-41.0395**	ug/L
	Fe	57	6282	5905	470	8.0	-0.000417	**-9.0572**	ug/L
	Cu	65	50	394	11	2.7	0.001343	**0.4879**	ug/L
	Cu	63	61	420	32	7.5	0.001400	**0.2680**	ug/L
	Zn	66	363	745	24	3.3	0.001511	**1.0517**	ug/L
	Zn	68	259	402	17	4.1	0.000576	**0.5206**	ug/L
>	Ge	74	261576	256915	6991	2.7	256915.440564		ug/L
	Cd	111	13	31	2	5.6	0.000005	**0.0258**	ug/L
	Cd	114	61	111	19	16.7	0.000013	**0.0431**	ug/L
>	In	115	3774748	3793773	16189	0.4	3793772.689824		ug/L
	Sb	121	22	68	13	19.5	0.000012	**0.0331**	ug/L
>	Tm	169	2291754	2308051	11139	0.5	2308050.817135		ug/L
	Tl	205	15	24	7	29.2	0.000004	**-0.0003**	ug/L
	Pb	208	189	455	12	2.7	0.000115	**0.0366**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	98.306
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	98.218
	Cd	111	
	Cd	114	
>	In	115	100.504
	Sb	121	
>	Tm	169	100.711

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IFA1
Sample Description: 200x
Batch ID:

Sample Date/Time: Friday, July 20, 2012 12:27:19
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 0.05
Autosampler Position: 107

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-IFA1.029
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	15831270	242016	1.5	21.111259	**488399.8967**	ug/L
	Ca	44	30618	1067968	12319	1.2	1.378821	**511358.1133**	ug/L
>	Sc	45	674716	749942	12631	1.7	749941.528087		ug/L
	Fe	54	46306	2207065	41077	1.9	2.875417	**499821.3829**	ug/L
	Fe	57	6282	919282	4330	0.5	1.216787	**505955.7475**	ug/L
	Cu	65	50	329	25	7.5	0.000942	**13.5650**	ug/L
	Cu	63	61	528	37	7.0	0.001586	**12.1067**	ug/L
	Zn	66	363	656	32	4.9	0.000871	**25.3634**	ug/L
	Zn	68	259	297	31	10.4	0.000036	**2.0167**	ug/L
>	Ge	74	261576	290271	1942	0.7	290270.786244		ug/L
	Cd	111	13	551	8	1.5	0.000134	**28.8619**	ug/L
	Cd	114	61	933	23	2.5	0.000216	**20.6366**	ug/L
>	In	115	3774748	4022993	8960	0.2	4022992.652716		ug/L
	Sb	121	22	110	16	14.5	0.000022	**2.0670**	ug/L
>	Tm	169	2291754	2444289	10071	0.4	2444288.628208		ug/L
	Tl	205	15	34	9	25.6	0.000007	**0.0509**	ug/L
	Pb	208	189	388	14	3.6	0.000076	**0.9370**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	111.149
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	110.970
	Cd	111	
	Cd	114	
>	In	115	106.576
	Sb	121	
>	Tm	169	106.656

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IFB1
Sample Description: 200x
Batch ID:

Sample Date/Time: Friday, July 20, 2012 12:29:17
Diluted To Volume (mL): 10.00
Aliquot Volume (mL): 0.05
Autosampler Position: 108

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-IFB1.030
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	15236060	207358	1.4	20.004690	**462801.2582**	ug/L
	Ca	44	30618	1067429	12275	1.1	1.356237	**502990.1762**	ug/L
>	Sc	45	674716	761599	3730	0.5	761598.664573		ug/L
	Fe	54	46306	2181166	56689	2.6	2.795247	**485881.7479**	ug/L
	Fe	57	6282	915304	23718	2.6	1.192579	**495886.0835**	ug/L
	Cu	65	50	2254	28	1.2	0.007502	**110.8424**	ug/L
	Cu	63	61	4439	51	1.2	0.014924	**111.4800**	ug/L
	Zn	66	363	1805	59	3.2	0.004771	**127.2261**	ug/L
	Zn	68	259	1142	44	3.8	0.002908	**102.1260**	ug/L
>	Ge	74	261576	293015	7195	2.5	293015.439876		ug/L
	Cd	111	13	1396	18	1.3	0.000342	**73.8372**	ug/L
	Cd	114	61	2998	21	0.7	0.000725	**68.2561**	ug/L
>	In	115	3774748	4042808	23336	0.6	4042808.469983		ug/L
	Sb	121	22	136	1	0.4	0.000028	**2.5600**	ug/L
>	Tm	169	2291754	2461272	15123	0.6	2461272.080956		ug/L
	Tl	205	15	32	1	3.1	0.000006	**0.0342**	ug/L
	Pb	208	189	505	17	3.3	0.000123	**1.5770**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	112.877
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	112.019
	Cd	111	
	Cd	114	
>	In	115	107.101
	Sb	121	
>	Tm	169	107.397

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL1
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 12:35:06
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 101

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-IBL1.031
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	310	25	7.9	0.000083	**0.1399**	ug/L
	Ca	44	30618	31824	208	0.7	-0.000004	**2.3458**	ug/L
>	Sc	45	674716	702127	30644	4.4	702126.945711		ug/L
	Fe	54	46306	46644	3152	6.8	-0.002243	**-2.6937**	ug/L
	Fe	57	6282	6541	354	5.4	0.000004	**-0.9348**	ug/L
	Cu	65	50	41	4	8.8	-0.000037	**-0.0048**	ug/L
	Cu	63	61	53	1	1.1	-0.000033	**0.0002**	ug/L
	Zn	66	363	337	28	8.2	-0.000128	**-0.0036**	ug/L
	Zn	68	259	198	25	12.8	-0.000249	**-0.0396**	ug/L
>	Ge	74	261576	267609	15351	5.7	267608.592476		ug/L
	Cd	111	13	18	4	19.2	0.000001	**0.0015**	ug/L
	Cd	114	61	64	5	8.3	0.000000	**0.0027**	ug/L
>	In	115	3774748	3872011	113129	2.9	3872011.472957		ug/L
	Sb	121	22	20	6	28.0	-0.000001	**0.0016**	ug/L
>	Tm	169	2291754	2359367	78359	3.3	2359367.251256		ug/L
	Tl	205	15	9	2	19.2	-0.000003	**-0.0007**	ug/L
	Pb	208	189	200	11	5.5	0.000002	**-0.0004**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	104.063
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	102.306
	Cd	111	
	Cd	114	
>	In	115	102.577
	Sb	121	
>	Tm	169	102.950

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL2
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 12:37:03
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 102

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-IBL2.032
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	566	216	38.1	0.000402	**0.1768**	ug/L
	Ca	44	30618	32091	150	0.5	-0.002178	**-1.6816**	ug/L
>	Sc	45	674716	742814	5393	0.7	742813.565709		ug/L
	Fe	54	46306	50880	359	0.7	-0.000134	**-0.8598**	ug/L
	Fe	57	6282	7433	223	3.0	0.000695	**0.5009**	ug/L
	Cu	65	50	46	5	11.5	-0.000031	**-0.0043**	ug/L
	Cu	63	61	52	2	4.0	-0.000053	**-0.0005**	ug/L
	Zn	66	363	367	41	11.1	-0.000113	**-0.0017**	ug/L
	Zn	68	259	221	23	10.3	-0.000219	**-0.0344**	ug/L
>	Ge	74	261576	287580	5805	2.0	287579.976993		ug/L
	Cd	111	13	19	1	3.1	0.000001	**0.0013**	ug/L
	Cd	114	61	68	2	3.5	0.000000	**0.0027**	ug/L
>	In	115	3774748	4082576	30813	0.8	4082576.442948		ug/L
	Sb	121	22	25	5	19.5	0.000000	**0.0020**	ug/L
>	Tm	169	2291754	2422867	21768	0.9	2422867.019608		ug/L
	Tl	205	15	12	3	26.2	-0.000002	**-0.0006**	ug/L
	Pb	208	189	205	3	1.5	0.000002	**-0.0004**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	110.093
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	109.941
	Cd	111	
	Cd	114	
>	In	115	108.155
	Sb	121	
>	Tm	169	105.721

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL3
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 12:39:01
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 103

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-IBL3.033
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	258	15	5.9	-0.000001	**0.1302**	ug/L
	Ca	44	30618	32497	209	0.6	-0.000128	**2.1153**	ug/L
>	Sc	45	674716	718964	31255	4.3	718964.154196		ug/L
	Fe	54	46306	48598	2618	5.4	-0.001057	**-1.6622**	ug/L
	Fe	57	6282	7295	410	5.6	0.000833	**0.7889**	ug/L
	Cu	65	50	56	3	4.7	0.000009	**-0.0014**	ug/L
	Cu	63	61	60	5	8.3	-0.000018	**0.0008**	ug/L
	Zn	66	363	352	17	4.9	-0.000133	**-0.0043**	ug/L
	Zn	68	259	207	7	3.2	-0.000248	**-0.0395**	ug/L
>	Ge	74	261576	280759	14976	5.3	280759.348977		ug/L
	Cd	111	13	14	2	11.2	-0.000000	**0.0000**	ug/L
	Cd	114	61	63	7	10.8	-0.000001	**0.0022**	ug/L
>	In	115	3774748	3990790	112220	2.8	3990789.515043		ug/L
	Sb	121	22	17	3	19.3	-0.000002	**0.0012**	ug/L
>	Tm	169	2291754	2399253	60298	2.5	2399253.068959		ug/L
	Tl	205	15	12	7	58.3	-0.000001	**-0.0006**	ug/L
	Pb	208	189	181	8	4.3	-0.000007	**-0.0011**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	106.558
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	107.334
	Cd	111	
	Cd	114	
>	In	115	105.723
	Sb	121	
>	Tm	169	104.691

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL4

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 12:40:59
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 104

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-IBL4.034
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	305	46	15.2	0.000100	**0.1419**	ug/L
	Ca	44	30618	32374	208	0.6	0.003521	**8.8759**	ug/L
>	Sc	45	674716	662331	18921	2.9	662330.602355		ug/L
	Fe	54	46306	45326	1588	3.5	-0.000205	**-0.9219**	ug/L
	Fe	57	6282	6539	202	3.1	0.000561	**0.2221**	ug/L
	Cu	65	50	51	4	7.9	0.000009	**-0.0014**	ug/L
	Cu	63	61	56	7	11.5	-0.000013	**0.0009**	ug/L
	Zn	66	363	320	7	2.2	-0.000143	**-0.0057**	ug/L
	Zn	68	259	193	9	4.7	-0.000237	**-0.0376**	ug/L
>	Ge	74	261576	257238	9105	3.5	257237.899232		ug/L
	Cd	111	13	13	6	43.3	-0.000000	**0.0001**	ug/L
	Cd	114	61	60	6	10.8	-0.000001	**0.0023**	ug/L
>	In	115	3774748	3811162	77844	2.0	3811161.682999		ug/L
	Sb	121	22	16	2	12.7	-0.000002	**0.0013**	ug/L
>	Tm	169	2291754	2315488	57170	2.5	2315487.504606		ug/L
	Tl	205	15	14	3	18.9	-0.000001	**-0.0005**	ug/L
	Pb	208	189	191	14	7.3	-0.000000	**-0.0006**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	98.164
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	98.342
	Cd	111	
	Cd	114	
>	In	115	100.965
	Sb	121	
>	Tm	169	101.036

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV1
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 12:45:44
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-CCV1.035
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	1090265	65495	6.0	1.608936	**186.2306**	ug/L
	Ca	44	30618	412473	25849	6.3	0.563328	**1045.9887**	ug/L
>	Sc	45	674716	678006	49867	7.4	678006.166863		ug/L
	Fe	54	46306	247445	14012	5.7	0.296675	**257.1818**	ug/L
	Fe	57	6282	88712	4459	5.0	0.121692	**252.1553**	ug/L
	Cu	65	50	18177	1109	6.1	0.068800	**5.0992**	ug/L
	Cu	63	61	35850	2770	7.7	0.135754	**5.0585**	ug/L
	Zn	66	363	10222	594	5.8	0.037417	**4.8997**	ug/L
	Zn	68	259	7672	512	6.7	0.028121	**4.9047**	ug/L
>	Ge	74	261576	263433	14634	5.6	263432.834171		ug/L
	Cd	111	13	1826	78	4.3	0.000464	**0.5013**	ug/L
	Cd	114	61	4289	100	2.3	0.001082	**0.5079**	ug/L
>	In	115	3774748	3906583	158122	4.0	3906583.003966		ug/L
	Sb	121	22	9939	373	3.8	0.002538	**0.9965**	ug/L
>	Tm	169	2291754	2338213	98018	4.2	2338213.001442		ug/L
	Tl	205	15	6440	170	2.6	0.002749	**0.2526**	ug/L
	Pb	208	189	86289	2631	3.0	0.036833	**2.5361**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	100.488
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	100.710
	Cd	111	
	Cd	114	
>	In	115	103.493
	Sb	121	
>	Tm	169	102.027

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB1

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 12:47:43
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-CCB1.036
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	368	217	59.1	0.000220	**0.1558**	ug/L
	Ca	44	30618	31291	253	0.8	0.003792	**9.3790**	ug/L
>	Sc	45	674716	636604	13312	2.1	636604.056251		ug/L
	Fe	54	46306	44201	410	0.9	0.000818	**-0.0324**	ug/L
	Fe	57	6282	6120	81	1.3	0.000305	**-0.3107**	ug/L
	Cu	65	50	46	3	6.5	-0.000007	**-0.0026**	ug/L
	Cu	63	61	62	16	25.2	0.000015	**0.0020**	ug/L
	Zn	66	363	336	22	6.6	-0.000046	**0.0071**	ug/L
	Zn	68	259	200	10	5.0	-0.000188	**-0.0289**	ug/L
>	Ge	74	261576	250275	4611	1.8	250274.695691		ug/L
	Cd	111	13	13	4	28.4	0.000000	**0.0002**	ug/L
	Cd	114	61	64	10	16.4	0.000001	**0.0029**	ug/L
>	In	115	3774748	3734197	52479	1.4	3734196.690360		ug/L
	Sb	121	22	37	7	19.0	0.000004	**0.0035**	ug/L
>	Tm	169	2291754	2286292	12138	0.5	2286291.925143		ug/L
	Tl	205	15	15	1	6.7	0.000000	**-0.0004**	ug/L
	Pb	208	189	190	13	7.0	0.000001	**-0.0005**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	94.351
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	95.680
	Cd	111	
	Cd	114	
>	In	115	98.926
	Sb	121	
>	Tm	169	99.762

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV4
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 13:58:17
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-CCV4.069
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	1021804	20012	2.0	1.686830	**195.2403**	ug/L
	Ca	44	30618	370772	3337	0.9	0.566743	**1052.3157**	ug/L
>	Sc	45	674716	605783	10595	1.7	605783.487195		ug/L
	Fe	54	46306	221426	605	0.3	0.296975	**257.4430**	ug/L
	Fe	57	6282	79401	853	1.1	0.121792	**252.3647**	ug/L
	Cu	65	50	16479	191	1.2	0.068963	**5.1113**	ug/L
	Cu	63	61	32738	200	0.6	0.137147	**5.1104**	ug/L
	Zn	66	363	9278	42	0.5	0.037544	**4.9163**	ug/L
	Zn	68	259	7067	98	1.4	0.028666	**4.9997**	ug/L
>	Ge	74	261576	238304	1469	0.6	238303.711457		ug/L
	Cd	111	13	1738	34	1.9	0.000473	**0.5108**	ug/L
	Cd	114	61	4080	60	1.5	0.001102	**0.5173**	ug/L
>	In	115	3774748	3647692	6223	0.2	3647691.902855		ug/L
	Sb	121	22	9623	168	1.7	0.002632	**1.0333**	ug/L
>	Tm	169	2291754	2232882	7069	0.3	2232881.866065		ug/L
	Tl	205	15	6148	90	1.5	0.002747	**0.2524**	ug/L
	Pb	208	189	81946	491	0.6	0.036617	**2.5212**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	89.783
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	91.103
	Cd	111	
	Cd	114	
>	In	115	96.634
	Sb	121	
>	Tm	169	97.431

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB4

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 14:00:16
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-CCB4.070
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	510	255	50.0	0.000489	**0.1869**	ug/L
	Ca	44	30618	29535	23	0.1	0.003085	**8.0678**	ug/L
>	Sc	45	674716	610537	32634	5.3	610537.164006		ug/L
	Fe	54	46306	42098	1358	3.2	0.000374	**-0.4189**	ug/L
	Fe	57	6282	5538	252	4.5	-0.000236	**-1.4347**	ug/L
	Cu	65	50	44	1	2.6	-0.000012	**-0.0029**	ug/L
	Cu	63	61	51	9	17.4	-0.000024	**0.0006**	ug/L
	Zn	66	363	314	25	7.9	-0.000098	**0.0003**	ug/L
	Zn	68	259	148	11	7.6	-0.000381	**-0.0625**	ug/L
>	Ge	74	261576	243233	10718	4.4	243232.675991		ug/L
	Cd	111	13	17	2	12.5	0.000001	**0.0012**	ug/L
	Cd	114	61	63	15	24.4	0.000001	**0.0028**	ug/L
>	In	115	3774748	3709110	106353	2.9	3709110.418845		ug/L
	Sb	121	22	36	2	6.4	0.000004	**0.0034**	ug/L
>	Tm	169	2291754	2242371	54332	2.4	2242371.046372		ug/L
	Tl	205	15	14	7	50.0	-0.000000	**-0.0004**	ug/L
	Pb	208	189	184	11	5.9	-0.000000	**-0.0006**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	90.488
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	92.987
	Cd	111	
	Cd	114	
>	In	115	98.261
	Sb	121	
>	Tm	169	97.845

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121138-BLK1
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:09:45
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 137

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\B121138-BLK1.071
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	2945	4553	154.6	0.004171	**6.1279**	ug/L
	Ca	44	30618	31156	2700	8.7	0.003021	**79.5080**	ug/L
>	Sc	45	674716	643439	9361	1.5	643438.668129		ug/L
	Fe	54	46306	76712	1392	1.8	0.050626	**432.6966**	ug/L
	Fe	57	6282	6104	42	0.7	0.000177	**-5.7701**	ug/L
	Cu	65	50	53	9	17.0	0.000022	**-0.0037**	ug/L
	Cu	63	61	86	10	11.6	0.000115	**0.0574**	ug/L
	Zn	66	363	375	30	7.9	0.000132	**0.3034**	ug/L
	Zn	68	259	238	30	12.6	-0.000025	**-0.0061**	ug/L
>	Ge	74	261576	246660	1616	0.7	246659.554907		ug/L
	Cd	111	13	13	2	15.4	-0.000000	**0.0009**	ug/L
	Cd	114	61	58	16	27.2	-0.000001	**0.0216**	ug/L
>	In	115	3774748	3748064	30831	0.8	3748064.256601		ug/L
	Sb	121	22	23	8	33.3	0.000000	**0.0202**	ug/L
>	Tm	169	2291754	2264192	17821	0.8	2264191.636546		ug/L
	Tl	205	15	12	6	47.5	-0.000001	**-0.0052**	ug/L
	Pb	208	189	195	56	28.6	0.000004	**-0.0030**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	95.364
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	94.297
	Cd	111	
	Cd	114	
>	In	115	99.293
	Sb	121	
>	Tm	169	98.797

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121138-BLK2
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:11:43
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 138

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\B121138-BLK2.072
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	373	13	3.5	0.000222	**1.5594**	ug/L
	Ca	44	30618	29626	262	0.9	0.000750	**37.4196**	ug/L
>	Sc	45	674716	642314	11253	1.8	642314.128066		ug/L
	Fe	54	46306	75283	1769	2.3	0.048576	**414.8770**	ug/L
	Fe	57	6282	6154	184	3.0	0.000271	**-3.8134**	ug/L
	Cu	65	50	58	13	22.4	0.000041	**0.0101**	ug/L
	Cu	63	61	65	3	4.5	0.000027	**0.0245**	ug/L
	Zn	66	363	347	14	4.0	0.000007	**0.1394**	ug/L
	Zn	68	259	201	11	5.7	-0.000180	**-0.2763**	ug/L
>	Ge	74	261576	248578	3041	1.2	248577.652162		ug/L
	Cd	111	13	11	5	39.8	-0.000000	**-0.0036**	ug/L
	Cd	114	61	59	1	2.0	-0.000000	**0.0229**	ug/L
>	In	115	3774748	3710782	11599	0.3	3710781.538485		ug/L
	Sb	121	22	19	7	39.5	-0.000001	**0.0156**	ug/L
>	Tm	169	2291754	2258042	5846	0.3	2258042.384461		ug/L
	Tl	205	15	10	2	14.8	-0.000002	**-0.0060**	ug/L
	Pb	208	189	188	8	4.3	0.000001	**-0.0050**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	95.198
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	95.031
	Cd	111	
	Cd	114	
>	In	115	98.305
	Sb	121	
>	Tm	169	98.529

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121138-BLK3
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:13:41
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 139

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\B121138-BLK3.073
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	342	13	3.9	0.000161	**1.4895**	ug/L
	Ca	44	30618	29564	188	0.6	-0.000363	**16.8044**	ug/L
>	Sc	45	674716	657009	17586	2.7	657009.233184		ug/L
	Fe	54	46306	75248	2565	3.4	0.045889	**391.5165**	ug/L
	Fe	57	6282	6279	141	2.3	0.000248	**-4.2763**	ug/L
	Cu	65	50	44	8	18.5	-0.000019	**-0.0343**	ug/L
	Cu	63	61	74	7	9.7	0.000059	**0.0366**	ug/L
	Zn	66	363	351	25	7.2	-0.000007	**0.1218**	ug/L
	Zn	68	259	217	16	7.4	-0.000135	**-0.1976**	ug/L
>	Ge	74	261576	253773	5470	2.2	253773.001954		ug/L
	Cd	111	13	15	3	19.7	0.000000	**0.0050**	ug/L
	Cd	114	61	67	5	7.5	0.000001	**0.0311**	ug/L
>	In	115	3774748	3799927	65576	1.7	3799927.396190		ug/L
	Sb	121	22	16	3	21.7	-0.000002	**0.0124**	ug/L
>	Tm	169	2291754	2286711	37531	1.6	2286711.472777		ug/L
	Tl	205	15	12	7	62.0	-0.000001	**-0.0056**	ug/L
	Pb	208	189	181	23	12.5	-0.000004	**-0.0081**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	97.376
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	97.017
	Cd	111	
	Cd	114	
>	In	115	100.667
	Sb	121	
>	Tm	169	99.780

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121138-BLK4
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:15:39
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 140

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\B121138-BLK4.074
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	318	26	8.2	0.000128	**1.4516**	ug/L
	Ca	44	30618	29496	205	0.7	-0.000180	**20.2004**	ug/L
>	Sc	45	674716	652713	9492	1.5	652713.167208		ug/L
	Fe	54	46306	73899	1039	1.4	0.044615	**380.4417**	ug/L
	Fe	57	6282	6177	189	3.1	0.000151	**-6.2957**	ug/L
	Cu	65	50	47	3	6.8	-0.000001	**-0.0213**	ug/L
	Cu	63	61	63	3	4.9	0.000018	**0.0212**	ug/L
	Zn	66	363	380	31	8.2	0.000135	**0.3062**	ug/L
	Zn	68	259	239	22	9.3	-0.000030	**-0.0133**	ug/L
>	Ge	74	261576	249412	1181	0.5	249412.445604		ug/L
	Cd	111	13	16	6	36.9	0.000001	**0.0090**	ug/L
	Cd	114	61	57	9	15.4	-0.000001	**0.0205**	ug/L
>	In	115	3774748	3715214	19960	0.5	3715214.485221		ug/L
	Sb	121	22	15	3	17.6	-0.000002	**0.0117**	ug/L
>	Tm	169	2291754	2258285	16148	0.7	2258285.063975		ug/L
	Tl	205	15	9	1	11.1	-0.000003	**-0.0066**	ug/L
	Pb	208	189	186	8	4.3	-0.000000	**-0.0057**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	96.739
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	95.350
	Cd	111	
	Cd	114	
>	In	115	98.423
	Sb	121	
>	Tm	169	98.540

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121138-BS1
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:17:36
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 141

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\B121138-BS1.075
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	276	22	7.9	0.000101	**1.4193**	ug/L
	Ca	44	30618	29158	224	0.8	0.003167	**82.1973**	ug/L
>	Sc	45	674716	600642	4939	0.8	600642.357831		ug/L
	Fe	54	46306	41459	289	0.7	0.000398	**-3.9754**	ug/L
	Fe	57	6282	5497	132	2.4	-0.000158	**-12.7266**	ug/L
	Cu	65	50	37	3	9.4	-0.000035	**-0.0461**	ug/L
	Cu	63	61	51	4	8.1	-0.000016	**0.0084**	ug/L
	Zn	66	363	293	16	5.6	-0.000150	**-0.0657**	ug/L
	Zn	68	259	151	8	5.0	-0.000349	**-0.5698**	ug/L
>	Ge	74	261576	236573	3092	1.3	236572.630256		ug/L
	Cd	111	13	14	2	14.3	0.000000	**0.0052**	ug/L
	Cd	114	61	60	8	12.5	0.000000	**0.0270**	ug/L
>	In	115	3774748	3623330	47323	1.3	3623330.172722		ug/L
	Sb	121	22	14	4	24.5	-0.000002	**0.0114**	ug/L
>	Tm	169	2291754	2205031	7411	0.3	2205031.306957		ug/L
	Tl	205	15	8	3	39.8	-0.000003	**-0.0071**	ug/L
	Pb	208	189	187	16	8.6	0.000002	**-0.0042**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	89.022
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	90.441
	Cd	111	
	Cd	114	
>	In	115	95.989
	Sb	121	
>	Tm	169	96.216

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121138-SRM1
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:19:34
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 142

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\B121138-SRM1.076
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	3414323	84438	2.5	4.328028	**5007.3896**	ug/L
	Ca	44	30618	671191	6563	1.0	0.805708	**14950.2743**	ug/L
>	Sc	45	674716	788750	11237	1.4	788750.051632		ug/L
	Fe	54	46306	263729	9155	3.5	0.265673	**2302.2875**	ug/L
	Fe	57	6282	81619	1313	1.6	0.094176	**1949.2784**	ug/L
	Cu	65	50	38151	461	1.2	0.130422	**96.6824**	ug/L
	Cu	63	61	76561	408	0.5	0.261896	**97.5744**	ug/L
	Zn	66	363	64110	1713	2.7	0.218023	**284.8668**	ug/L
	Zn	68	259	47495	636	1.3	0.161596	**281.6675**	ug/L
>	Ge	74	261576	292182	6881	2.4	292181.753863		ug/L
	Cd	111	13	661	26	3.9	0.000166	**1.7886**	ug/L
	Cd	114	61	1505	38	2.5	0.000369	**1.7476**	ug/L
>	In	115	3774748	3908655	21292	0.5	3908655.348135		ug/L
	Sb	121	22	46	8	17.3	0.000006	**0.0420**	ug/L
>	Tm	169	2291754	2423616	17931	0.7	2423615.624209		ug/L
	Tl	205	15	171	1	0.6	0.000064	**0.0547**	ug/L
	Pb	208	189	4504	75	1.7	0.001776	**1.2174**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	116.901
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	111.700
	Cd	111	
	Cd	114	
>	In	115	103.547
	Sb	121	
>	Tm	169	105.754

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121138-SRM2
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:21:32
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 143

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\B121138-SRM2.077
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	4672216	162015	3.5	6.143546	**7107.3382**	ug/L
	Ca	44	30618	1019634	35751	3.5	1.295359	**24021.6671**	ug/L
>	Sc	45	674716	760518	27152	3.6	760518.410061		ug/L
	Fe	54	46306	143110	2789	1.9	0.119650	**1032.7876**	ug/L
	Fe	57	6282	30614	514	1.7	0.030971	**634.7018**	ug/L
	Cu	65	50	260408	5274	2.0	0.892452	**661.6969**	ug/L
	Cu	63	61	521843	12283	2.4	1.788553	**666.2770**	ug/L
	Zn	66	363	469077	4025	0.9	1.607010	**2098.8733**	ug/L
	Zn	68	259	349446	3681	1.1	1.197136	**2086.4008**	ug/L
>	Ge	74	261576	291827	10152	3.5	291827.250366		ug/L
	Cd	111	13	62615	1116	1.8	0.016199	**174.8888**	ug/L
	Cd	114	61	145182	1314	0.9	0.037553	**175.4042**	ug/L
>	In	115	3774748	3864396	35537	0.9	3864395.997676		ug/L
	Sb	121	22	183	14	7.4	0.000042	**0.1818**	ug/L
>	Tm	169	2291754	2393318	26111	1.1	2393317.703904		ug/L
	Tl	205	15	239	7	3.0	0.000093	**0.0815**	ug/L
	Pb	208	189	6934	179	2.6	0.002815	**1.9327**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	112.717
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	111.565
	Cd	111	
	Cd	114	
>	In	115	102.375
	Sb	121	
>	Tm	169	104.432

	Tl	205
	Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV5
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 14:23:32
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-CCV5.078
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	1012700	5185	0.5	1.638738	**189.6777**	ug/L
	Ca	44	30618	376905	1564	0.4	0.564658	**1048.4535**	ug/L
>	Sc	45	674716	617860	5889	1.0	617860.072534		ug/L
	Fe	54	46306	223767	3174	1.4	0.293561	**254.4744**	ug/L
	Fe	57	6282	79664	211	0.3	0.119630	**247.8667**	ug/L
	Cu	65	50	16553	71	0.4	0.068946	**5.1101**	ug/L
	Cu	63	61	32130	163	0.5	0.133961	**4.9917**	ug/L
	Zn	66	363	9383	48	0.5	0.037799	**4.9495**	ug/L
	Zn	68	259	7063	144	2.0	0.028513	**4.9731**	ug/L
>	Ge	74	261576	239439	1674	0.7	239439.328936		ug/L
	Cd	111	13	1700	46	2.7	0.000475	**0.5130**	ug/L
	Cd	114	61	3968	41	1.0	0.001101	**0.5165**	ug/L
>	In	115	3774748	3553587	14267	0.4	3553587.221604		ug/L
	Sb	121	22	9348	133	1.4	0.002625	**1.0303**	ug/L
>	Tm	169	2291754	2203719	8557	0.4	2203719.192298		ug/L
	Tl	205	15	6039	172	2.9	0.002734	**0.2511**	ug/L
	Pb	208	189	82098	666	0.8	0.037171	**2.5594**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	91.573
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	91.537
	Cd	111	
	Cd	114	
>	In	115	94.141
	Sb	121	
>	Tm	169	96.159

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB5

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 14:25:31
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-CCB5.079
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	346	188	54.4	0.000212	**0.1548**	ug/L
	Ca	44	30618	29636	27	0.1	0.003236	**8.3483**	ug/L
>	Sc	45	674716	609671	8282	1.4	609671.472107		ug/L
	Fe	54	46306	41990	763	1.8	0.000255	**-0.5220**	ug/L
	Fe	57	6282	5630	115	2.0	-0.000077	**-1.1034**	ug/L
	Cu	65	50	55	1	1.1	0.000034	**0.0005**	ug/L
	Cu	63	61	58	7	11.4	0.000007	**0.0017**	ug/L
	Zn	66	363	315	17	5.5	-0.000090	**0.0014**	ug/L
	Zn	68	259	177	15	8.3	-0.000259	**-0.0413**	ug/L
>	Ge	74	261576	242450	1150	0.5	242450.184144		ug/L
	Cd	111	13	15	4	27.6	0.000001	**0.0008**	ug/L
	Cd	114	61	57	19	33.4	-0.000000	**0.0025**	ug/L
>	In	115	3774748	3552465	18489	0.5	3552465.351076		ug/L
	Sb	121	22	38	12	31.0	0.000005	**0.0038**	ug/L
>	Tm	169	2291754	2206730	12255	0.6	2206730.063553		ug/L
	Tl	205	15	9	1	11.1	-0.000002	**-0.0006**	ug/L
	Pb	208	189	183	5	2.7	0.000001	**-0.0005**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	90.360
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	92.688
	Cd	111	
	Cd	114	
>	In	115	94.111
	Sb	121	
>	Tm	169	96.290

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-03
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:27:31
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 144

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\1225015-03.080
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	14664002	162369	1.1	22.006766	**25455.7976**	ug/L
	Ca	44	30618	670638	14387	2.1	0.960766	**17822.9140**	ug/L
>	Sc	45	674716	666692	19617	2.9	666691.931163		ug/L
	Fe	54	46306	94119	2763	2.9	0.072544	**623.2469**	ug/L
	Fe	57	6282	13479	467	3.5	0.010906	**217.3836**	ug/L
	Cu	65	50	2390	7	0.3	0.009258	**6.8444**	ug/L
	Cu	63	61	6293	35	0.6	0.024643	**9.1944**	ug/L
	Zn	66	363	9183	146	1.6	0.034909	**45.7213**	ug/L
	Zn	68	259	6851	150	2.2	0.026090	**45.5072**	ug/L
>	Ge	74	261576	252970	2328	0.9	252969.539927		ug/L
	Cd	111	13	161	7	4.5	0.000040	**0.4384**	ug/L
	Cd	114	61	380	9	2.4	0.000088	**0.4344**	ug/L
>	In	115	3774748	3659651	74495	2.0	3659650.731046		ug/L
	Sb	121	22	97	6	6.2	0.000021	**0.0998**	ug/L
>	Tm	169	2291754	2266351	6446	0.3	2266351.072897		ug/L
	Tl	205	15	29	5	16.1	0.000006	**0.0017**	ug/L
	Pb	208	189	3391	61	1.8	0.001414	**0.9678**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	98.811
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	96.710
	Cd	111	
	Cd	114	
>	In	115	96.951
	Sb	121	
>	Tm	169	98.892

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121138-DUP1
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:29:29
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 145

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\B121138-DUP1.081
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	15464690	743822	4.8	22.227120	**25710.6737**	ug/L
	Ca	44	30618	614211	17395	2.8	0.838008	**15548.6713**	ug/L
>	Sc	45	674716	695811	34579	5.0	695811.137937		ug/L
	Fe	54	46306	100378	3890	3.9	0.075684	**650.5480**	ug/L
	Fe	57	6282	14077	891	6.3	0.010916	**217.5919**	ug/L
	Cu	65	50	2729	526	19.3	0.010212	**7.5515**	ug/L
	Cu	63	61	7032	1182	16.8	0.026591	**9.9200**	ug/L
	Zn	66	363	9169	1026	11.2	0.033613	**44.0290**	ug/L
	Zn	68	259	6687	539	8.1	0.024554	**42.8311**	ug/L
>	Ge	74	261576	261601	9816	3.8	261600.582498		ug/L
	Cd	111	13	202	92	45.7	0.000050	**0.5450**	ug/L
	Cd	114	61	494	148	30.0	0.000115	**0.5642**	ug/L
>	In	115	3774748	3744792	71409	1.9	3744792.134230		ug/L
	Sb	121	22	103	4	3.9	0.000022	**0.1040**	ug/L
>	Tm	169	2291754	2294506	48450	2.1	2294506.009700		ug/L
	Tl	205	15	26	3	13.3	0.000005	**0.0002**	ug/L
	Pb	208	189	3182	86	2.7	0.001304	**0.8924**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	103.127
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	100.009
	Cd	111	
	Cd	114	
>	In	115	99.206
	Sb	121	
>	Tm	169	100.120

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121138-MS1
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:31:26
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 146

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\B121138-MS1.082
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	15409703	274612	1.8	23.778544	**27505.1548**	ug/L
	Ca	44	30618	615345	6900	1.1	0.904191	**16774.7952**	ug/L
>	Sc	45	674716	648179	13694	2.1	648178.555614		ug/L
	Fe	54	46306	102748	2158	2.1	0.089889	**774.0444**	ug/L
	Fe	57	6282	16815	484	2.9	0.016633	**336.5023**	ug/L
	Cu	65	50	9693	117	1.2	0.038928	**28.8436**	ug/L
	Cu	63	61	21049	674	3.2	0.084700	**31.5665**	ug/L
	Zn	66	363	9944	124	1.2	0.038741	**50.7260**	ug/L
	Zn	68	259	7368	83	1.1	0.028746	**50.1370**	ug/L
>	Ge	74	261576	247795	3690	1.5	247795.207791		ug/L
	Cd	111	13	1075	47	4.4	0.000291	**3.1458**	ug/L
	Cd	114	61	2477	78	3.1	0.000663	**3.1206**	ug/L
>	In	115	3774748	3647797	18430	0.5	3647797.078217		ug/L
	Sb	121	22	119	5	3.9	0.000027	**0.1233**	ug/L
>	Tm	169	2291754	2258458	9807	0.4	2258457.818883		ug/L
	Tl	205	15	2553	45	1.8	0.001124	**1.0301**	ug/L
	Pb	208	189	20708	159	0.8	0.009087	**6.2521**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	96.067
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	94.732
	Cd	111	
	Cd	114	
>	In	115	96.637
	Sb	121	
>	Tm	169	98.547

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121138-MSD1
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:33:24
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 147

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\B121138-MSD1.083
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	16013274	287776	1.8	24.594164	**28448.5548**	ug/L
	Ca	44	30618	424138	6386	1.5	0.606090	**11252.1141**	ug/L
>	Sc	45	674716	651111	4854	0.7	651110.974367		ug/L
	Fe	54	46306	95327	609	0.6	0.077779	**668.7648**	ug/L
	Fe	57	6282	14663	272	1.9	0.013210	**265.2991**	ug/L
	Cu	65	50	9508	30	0.3	0.038267	**28.3536**	ug/L
	Cu	63	61	20270	225	1.1	0.081758	**30.4704**	ug/L
	Zn	66	363	10023	134	1.3	0.039149	**51.2594**	ug/L
	Zn	68	259	7392	148	2.0	0.028911	**50.4242**	ug/L
>	Ge	74	261576	247228	1900	0.8	247228.057012		ug/L
	Cd	111	13	1078	33	3.0	0.000290	**3.1345**	ug/L
	Cd	114	61	2471	20	0.8	0.000657	**3.0922**	ug/L
>	In	115	3774748	3671676	12430	0.3	3671675.780761		ug/L
	Sb	121	22	110	12	10.7	0.000024	**0.1133**	ug/L
>	Tm	169	2291754	2257964	13434	0.6	2257964.233431		ug/L
	Tl	205	15	2527	52	2.0	0.001113	**1.0198**	ug/L
	Pb	208	189	20137	75	0.4	0.008836	**6.0796**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	96.501
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	94.515
	Cd	111	
	Cd	114	
>	In	115	97.269
	Sb	121	
>	Tm	169	98.526

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-04
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:35:22
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 148

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\1225015-04.084
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	31208817	565843	1.8	49.271824	**56992.3836**	ug/L
	Ca	44	30618	186030	4124	2.2	0.248299	**4623.5725**	ug/L
>	Sc	45	674716	633497	16530	2.6	633496.700435		ug/L
	Fe	54	46306	126483	4237	3.4	0.131011	**1131.5573**	ug/L
	Fe	57	6282	27865	341	1.2	0.034691	**712.0813**	ug/L
	Cu	65	50	3693	88	2.4	0.015027	**11.1214**	ug/L
	Cu	63	61	10816	109	1.0	0.044346	**16.5341**	ug/L
	Zn	66	363	10194	140	1.4	0.040625	**53.1870**	ug/L
	Zn	68	259	7461	130	1.7	0.029761	**51.9053**	ug/L
>	Ge	74	261576	242639	3016	1.2	242638.722794		ug/L
	Cd	111	13	117	3	2.2	0.000028	**0.3059**	ug/L
	Cd	114	61	248	13	5.1	0.000051	**0.2638**	ug/L
>	In	115	3774748	3679069	42172	1.1	3679069.219168		ug/L
	Sb	121	22	252	5	1.8	0.000062	**0.2639**	ug/L
>	Tm	169	2291754	2262016	16295	0.7	2262015.747347		ug/L
	Tl	205	15	44	4	9.4	0.000013	**0.0078**	ug/L
	Pb	208	189	5751	123	2.1	0.002460	**1.6885**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	93.891
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	92.760
	Cd	111	
	Cd	114	
>	In	115	97.465
	Sb	121	
>	Tm	169	98.702

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-05
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:37:20
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 149

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\1225015-05.085
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	36652850	1667173	4.5	54.387308	**62909.2939**	ug/L
	Ca	44	30618	169920	8571	5.0	0.206738	**3853.6137**	ug/L
>	Sc	45	674716	673905	29223	4.3	673905.151857		ug/L
	Fe	54	46306	105509	4554	4.3	0.087940	**757.1054**	ug/L
	Fe	57	6282	18133	1034	5.7	0.017586	**356.3188**	ug/L
	Cu	65	50	3103	145	4.7	0.011926	**8.8226**	ug/L
	Cu	63	61	10048	456	4.5	0.039002	**14.5432**	ug/L
	Zn	66	363	7231	277	3.8	0.026852	**35.1997**	ug/L
	Zn	68	259	5345	250	4.7	0.019882	**34.6892**	ug/L
>	Ge	74	261576	256026	8904	3.5	256026.279247		ug/L
	Cd	111	13	119	26	22.2	0.000027	**0.2944**	ug/L
	Cd	114	61	294	5	1.8	0.000060	**0.3054**	ug/L
>	In	115	3774748	3859975	93619	2.4	3859974.737091		ug/L
	Sb	121	22	250	21	8.2	0.000059	**0.2501**	ug/L
>	Tm	169	2291754	2329773	46928	2.0	2329772.690219		ug/L
	Tl	205	15	45	4	9.0	0.000013	**0.0074**	ug/L
	Pb	208	189	4614	109	2.4	0.001898	**1.3015**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	99.880
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	97.878
	Cd	111	
	Cd	114	
>	In	115	102.258
	Sb	121	
>	Tm	169	101.659

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV6
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 14:39:19
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-CCV6.086
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	1071576	91532	8.5	1.782594	**206.3171**	ug/L
	Ca	44	30618	361795	5558	1.5	0.557210	**1034.6539**	ug/L
>	Sc	45	674716	600539	15222	2.5	600539.444107		ug/L
	Fe	54	46306	219370	2917	1.3	0.296732	**257.2314**	ug/L
	Fe	57	6282	77500	444	0.6	0.119783	**248.1856**	ug/L
	Cu	65	50	16056	301	1.9	0.068694	**5.0914**	ug/L
	Cu	63	61	31678	159	0.5	0.135690	**5.0561**	ug/L
	Zn	66	363	9114	91	1.0	0.037714	**4.9384**	ug/L
	Zn	68	259	6831	180	2.6	0.028319	**4.9392**	ug/L
>	Ge	74	261576	233065	1279	0.5	233064.802381		ug/L
	Cd	111	13	1771	40	2.2	0.000480	**0.5182**	ug/L
	Cd	114	61	4155	34	0.8	0.001118	**0.5246**	ug/L
>	In	115	3774748	3663990	76411	2.1	3663990.188572		ug/L
	Sb	121	22	9626	181	1.9	0.002622	**1.0294**	ug/L
>	Tm	169	2291754	2252198	17445	0.8	2252197.510072		ug/L
	Tl	205	15	6228	25	0.4	0.002759	**0.2535**	ug/L
	Pb	208	189	81799	151	0.2	0.036239	**2.4951**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	89.006
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	89.100
	Cd	111	
	Cd	114	
>	In	115	97.066
	Sb	121	
>	Tm	169	98.274

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB6

Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 14:41:18
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-CCB6.087
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	4384	3488	79.6	0.007038	**0.9444**	ug/L
	Ca	44	30618	29282	128	0.4	0.004375	**10.4588**	ug/L
>	Sc	45	674716	588615	7666	1.3	588614.768866		ug/L
	Fe	54	46306	41237	557	1.4	0.001427	**0.4972**	ug/L
	Fe	57	6282	5506	88	1.6	0.000043	**-0.8542**	ug/L
	Cu	65	50	58	13	22.0	0.000064	**0.0027**	ug/L
	Cu	63	61	67	14	21.5	0.000063	**0.0038**	ug/L
	Zn	66	363	312	27	8.5	-0.000013	**0.0114**	ug/L
	Zn	68	259	155	15	9.9	-0.000303	**-0.0490**	ug/L
>	Ge	74	261576	226383	902	0.4	226382.734011		ug/L
	Cd	111	13	15	2	15.7	0.000001	**0.0007**	ug/L
	Cd	114	61	65	5	7.8	0.000002	**0.0032**	ug/L
>	In	115	3774748	3633306	44948	1.2	3633306.250572		ug/L
	Sb	121	22	34	7	20.4	0.000003	**0.0033**	ug/L
>	Tm	169	2291754	2236074	12021	0.5	2236073.718652		ug/L
	Tl	205	15	16	5	28.8	0.000000	**-0.0004**	ug/L
	Pb	208	189	202	40	19.8	0.000008	**-0.0000**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	87.239
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	86.546
	Cd	111	
	Cd	114	
>	In	115	96.253
	Sb	121	
>	Tm	169	97.570

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-06
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:43:17
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 150

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\1225015-06.088
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	32205657	427550	1.3	52.057169	**60214.0993**	ug/L
	Ca	44	30618	152388	1211	0.8	0.200951	**3746.4025**	ug/L
>	Sc	45	674716	618652	6762	1.1	618652.001711		ug/L
	Fe	54	46306	95552	1450	1.5	0.085831	**738.7648**	ug/L
	Fe	57	6282	16263	250	1.5	0.016982	**343.7519**	ug/L
	Cu	65	50	2613	81	3.1	0.011174	**8.2645**	ug/L
	Cu	63	61	8794	233	2.7	0.038007	**14.1726**	ug/L
	Zn	66	363	3884	39	1.0	0.015502	**20.3763**	ug/L
	Zn	68	259	2872	45	1.6	0.011499	**20.0780**	ug/L
>	Ge	74	261576	230000	2301	1.0	230000.008345		ug/L
	Cd	111	13	71	7	9.5	0.000016	**0.1737**	ug/L
	Cd	114	61	184	16	8.9	0.000034	**0.1837**	ug/L
>	In	115	3774748	3662257	35104	1.0	3662256.742792		ug/L
	Sb	121	22	251	13	5.3	0.000063	**0.2647**	ug/L
>	Tm	169	2291754	2257960	12646	0.6	2257960.120219		ug/L
	Tl	205	15	51	4	7.5	0.000016	**0.0104**	ug/L
	Pb	208	189	5015	64	1.3	0.002138	**1.4670**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	91.691
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	87.929
	Cd	111	
	Cd	114	
>	In	115	97.020
	Sb	121	
>	Tm	169	98.525

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-07
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:45:15
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 151

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\1225015-07.089
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	20991204	39178	0.2	33.888806	**39199.3578**	ug/L
	Ca	44	30618	161235	2021	1.3	0.214922	**4005.2314**	ug/L
>	Sc	45	674716	619415	3164	0.5	619414.538493		ug/L
	Fe	54	46306	82889	59	0.1	0.065190	**559.3160**	ug/L
	Fe	57	6282	10720	147	1.4	0.007997	**156.8835**	ug/L
	Cu	65	50	1625	25	1.5	0.006680	**4.9327**	ug/L
	Cu	63	61	5500	72	1.3	0.023021	**8.5902**	ug/L
	Zn	66	363	3587	94	2.6	0.013781	**18.1287**	ug/L
	Zn	68	259	2599	84	3.2	0.009998	**17.4619**	ug/L
>	Ge	74	261576	236531	3261	1.4	236531.279448		ug/L
	Cd	111	13	51	6	12.2	0.000010	**0.1106**	ug/L
	Cd	114	61	146	6	3.8	0.000023	**0.1314**	ug/L
>	In	115	3774748	3739085	22894	0.6	3739085.396998		ug/L
	Sb	121	22	124	9	7.6	0.000027	**0.1254**	ug/L
>	Tm	169	2291754	2262217	17433	0.8	2262217.294740		ug/L
	Tl	205	15	22	3	15.7	0.000003	**-0.0013**	ug/L
	Pb	208	189	1566	53	3.4	0.000610	**0.4142**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	91.804
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	90.425
	Cd	111	
	Cd	114	
>	In	115	99.055
	Sb	121	
>	Tm	169	98.711

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-08
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:47:13
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 152

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\1225015-08.090
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	20181995	276225	1.4	32.435459	**37518.3200**	ug/L
	Ca	44	30618	192123	754	0.4	0.263436	**4904.0217**	ug/L
>	Sc	45	674716	622240	10607	1.7	622240.110684		ug/L
	Fe	54	46306	98990	1869	1.9	0.090520	**779.5347**	ug/L
	Fe	57	6282	16949	205	1.2	0.017930	**363.4683**	ug/L
	Cu	65	50	4197	84	2.0	0.017483	**12.9429**	ug/L
	Cu	63	61	10312	178	1.7	0.043190	**16.1032**	ug/L
	Zn	66	363	9349	182	1.9	0.037977	**49.7282**	ug/L
	Zn	68	259	6802	102	1.5	0.027657	**48.2382**	ug/L
>	Ge	74	261576	237471	2689	1.1	237470.507925		ug/L
	Cd	111	13	119	20	16.7	0.000028	**0.3078**	ug/L
	Cd	114	61	286	19	6.7	0.000060	**0.3071**	ug/L
>	In	115	3774748	3727158	33469	0.9	3727157.731878		ug/L
	Sb	121	22	174	16	9.1	0.000041	**0.1791**	ug/L
>	Tm	169	2291754	2269378	13803	0.6	2269378.397000		ug/L
	Tl	205	15	36	5	14.4	0.000009	**0.0042**	ug/L
	Pb	208	189	3477	142	4.1	0.001449	**0.9925**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	92.223
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	90.784
	Cd	111	
	Cd	114	
>	In	115	98.739
	Sb	121	
>	Tm	169	99.024

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-09
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:49:11
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 153

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\1225015-09.091
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	29255814	430764	1.5	47.716936	**55193.8960**	ug/L
	Ca	44	30618	141001	1428	1.0	0.184605	**3443.5739**	ug/L
>	Sc	45	674716	613090	3941	0.6	613089.837317		ug/L
	Fe	54	46306	79714	799	1.0	0.061388	**526.2656**	ug/L
	Fe	57	6282	9353	210	2.2	0.005944	**114.1837**	ug/L
	Cu	65	50	748	42	5.6	0.002996	**2.2012**	ug/L
	Cu	63	61	4467	123	2.7	0.018814	**7.0229**	ug/L
	Zn	66	363	1875	41	2.2	0.006607	**8.7591**	ug/L
	Zn	68	259	1336	53	3.9	0.004706	**8.2398**	ug/L
>	Ge	74	261576	234505	3550	1.5	234504.511114		ug/L
	Cd	111	13	37	5	13.5	0.000006	**0.0711**	ug/L
	Cd	114	61	107	5	5.0	0.000013	**0.0837**	ug/L
>	In	115	3774748	3710380	6516	0.2	3710380.313956		ug/L
	Sb	121	22	159	15	9.2	0.000037	**0.1641**	ug/L
>	Tm	169	2291754	2256792	7003	0.3	2256791.967984		ug/L
	Tl	205	15	17	5	31.1	0.000001	**-0.0033**	ug/L
	Pb	208	189	998	39	3.9	0.000360	**0.2420**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	90.866
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	89.651
	Cd	111	
	Cd	114	
>	In	115	98.295
	Sb	121	
>	Tm	169	98.474

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-10
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:51:08
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 154

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\1225015-10.092
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	18022067	1168283	6.5	28.229939	**32653.9352**	ug/L
	Ca	44	30618	108089	4007	3.7	0.124110	**2322.8190**	ug/L
>	Sc	45	674716	638235	36975	5.8	638235.318375		ug/L
	Fe	54	46306	83026	5368	6.5	0.061436	**526.6807**	ug/L
	Fe	57	6282	12964	888	6.9	0.010995	**219.2389**	ug/L
	Cu	65	50	1345	92	6.9	0.005413	**3.9932**	ug/L
	Cu	63	61	4592	373	8.1	0.018894	**7.0526**	ug/L
	Zn	66	363	3967	274	6.9	0.015142	**19.9058**	ug/L
	Zn	68	259	2794	74	2.6	0.010676	**18.6435**	ug/L
>	Ge	74	261576	239929	15576	6.5	239928.764881		ug/L
	Cd	111	13	58	5	8.9	0.000012	**0.1270**	ug/L
	Cd	114	61	158	14	8.9	0.000025	**0.1421**	ug/L
>	In	115	3774748	3810535	168891	4.4	3810534.526211		ug/L
	Sb	121	22	111	6	5.2	0.000023	**0.1103**	ug/L
>	Tm	169	2291754	2311444	66591	2.9	2311444.217115		ug/L
	Tl	205	15	19	8	41.8	0.000002	**-0.0027**	ug/L
	Pb	208	189	1902	82	4.3	0.000740	**0.5041**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	94.593
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	91.724
	Cd	111	
	Cd	114	
>	In	115	100.948
	Sb	121	
>	Tm	169	100.859

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-15
Sample Description: 10x
Batch ID: B121138

Sample Date/Time: Friday, July 20, 2012 14:53:06
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 155

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\1225015-15.093
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	25998558	314410	1.2	42.211577	**48826.0308**	ug/L
	Ca	44	30618	142999	278	0.2	0.186792	**3484.0905**	ug/L
>	Sc	45	674716	615932	3368	0.5	615932.176889		ug/L
	Fe	54	46306	89932	1053	1.2	0.077376	**665.2637**	ug/L
	Fe	57	6282	13684	154	1.1	0.012906	**258.9789**	ug/L
	Cu	65	50	1809	37	2.1	0.007556	**5.5824**	ug/L
	Cu	63	61	6297	160	2.5	0.026732	**9.9726**	ug/L
	Zn	66	363	5979	85	1.4	0.024212	**31.7514**	ug/L
	Zn	68	259	4321	34	0.8	0.017515	**30.5629**	ug/L
>	Ge	74	261576	233526	603	0.3	233526.036551		ug/L
	Cd	111	13	75	6	7.4	0.000017	**0.1805**	ug/L
	Cd	114	61	213	5	2.4	0.000041	**0.2153**	ug/L
>	In	115	3774748	3730582	18510	0.5	3730581.774216		ug/L
	Sb	121	22	143	20	13.8	0.000032	**0.1456**	ug/L
>	Tm	169	2291754	2279127	12519	0.5	2279126.709670		ug/L
	Tl	205	15	20	2	11.4	0.000002	**-0.0020**	ug/L
	Pb	208	189	1906	14	0.7	0.000754	**0.5136**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	91.288
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	89.277
	Cd	111	
	Cd	114	
>	In	115	98.830
	Sb	121	
>	Tm	169	99.449

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV7
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 14:55:06
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-CCV7.094
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	10198510	99267	1.0	17.579170	**2033.4544**	ug/L
	Ca	44	30618	683704	4940	0.7	1.133202	**2101.7521**	ug/L
>	Sc	45	674716	580129	4071	0.7	580129.466816		ug/L
	Fe	54	46306	385419	5561	1.4	0.595802	**517.2389**	ug/L
	Fe	57	6282	146009	321	0.2	0.242379	**503.1666**	ug/L
	Cu	65	50	31235	367	1.2	0.138393	**10.2592**	ug/L
	Cu	63	61	61522	839	1.4	0.272736	**10.1613**	ug/L
	Zn	66	363	87003	1140	1.3	0.384634	**50.2460**	ug/L
	Zn	68	259	65974	1185	1.8	0.291712	**50.8433**	ug/L
>	Ge	74	261576	225391	909	0.4	225390.874347		ug/L
	Cd	111	13	3443	27	0.8	0.000928	**1.0016**	ug/L
	Cd	114	61	8125	39	0.5	0.002181	**1.0211**	ug/L
>	In	115	3774748	3697794	36217	1.0	3697794.328977		ug/L
	Sb	121	22	19956	259	1.3	0.005391	**2.1142**	ug/L
>	Tm	169	2291754	2285021	7369	0.3	2285020.942605		ug/L
	Tl	205	15	12175	102	0.8	0.005322	**0.4893**	ug/L
	Pb	208	189	165850	1304	0.8	0.072500	**4.9924**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	85.981
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	86.166
	Cd	111	
	Cd	114	
>	In	115	97.961
	Sb	121	
>	Tm	169	99.706

Tl	205
Pb	208

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB7
Sample Description:
Batch ID:

Sample Date/Time: Friday, July 20, 2012 14:57:05
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200553.sam
Method File: C:\Elandata\Method\2012\7-12\1200553-0060-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-CCB7.095
Calibration File: C:\Elandata\System\2012\7-12\1200553.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200553\SEQ-ICB1.015

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
	Mg	24	242	1866	917	49.2	0.002788	**0.4528**	ug/L
	Ca	44	30618	29044	214	0.7	0.003477	**8.7952**	ug/L
>	Sc	45	674716	594584	12112	2.0	594583.619608		ug/L
	Fe	54	46306	41429	1128	2.7	0.001061	**0.1784**	ug/L
	Fe	57	6282	5673	187	3.3	0.000229	**-0.4686**	ug/L
	Cu	65	50	58	6	9.4	0.000066	**0.0029**	ug/L
	Cu	63	61	60	13	21.6	0.000029	**0.0025**	ug/L
	Zn	66	363	284	16	5.7	-0.000138	**-0.0049**	ug/L
	Zn	68	259	142	12	8.1	-0.000362	**-0.0592**	ug/L
>	Ge	74	261576	226830	6028	2.7	226829.589085		ug/L
	Cd	111	13	16	4	25.5	0.000001	**0.0011**	ug/L
	Cd	114	61	57	10	17.8	-0.000001	**0.0020**	ug/L
>	In	115	3774748	3742689	58263	1.6	3742688.626991		ug/L
	Sb	121	22	44	14	30.5	0.000006	**0.0042**	ug/L
>	Tm	169	2291754	2298677	41512	1.8	2298676.806766		ug/L
	Tl	205	15	17	6	35.3	0.000001	**-0.0003**	ug/L
	Pb	208	189	189	8	4.3	-0.000000	**-0.0006**	ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
	Mg	24	
	Ca	44	
>	Sc	45	88.124
	Fe	54	
	Fe	57	
	Cu	65	
	Cu	63	
	Zn	66	
	Zn	68	
>	Ge	74	86.716
	Cd	111	
	Cd	114	
>	In	115	99.151
	Sb	121	
>	Tm	169	100.302

Tl	205
Pb	208

ANALYSIS SEQUENCE

1200550

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200550-ICB1	1200550	QC	1		-			
1200550-CAL1	1200550	QC	2	1228008	-			
1200550-CAL2	1200550	QC	3	1228007	-			
1200550-CAL3	1200550	QC	4	1228006	-			
1200550-CAL4	1200550	QC	5	1228005	-			
1200550-CAL5	1200550	QC	6	1228004	-			
1200550-CAL6	1200550	QC	7	1228003	-			
1200550-CAL7	1200550	QC	8	1228002	-			
1200550-CAL8	1200550	QC	9	1228001	-			
1200550-ICB2	1200550	QC	10		-			
1200550-ICV1	1200550	QC	11	1217029	-			
1200550-ICB3	1200550	QC	12		-			
1200550-IBL1	1200550	QC	13		-			
1200550-IBL2	1200550	QC	14		-			
1200550-IBL3	1200550	QC	15		-			
1200550-IBL4	1200550	QC	16		-			
1200550-SCV1	1200550	QC	17	1215030	-			
1200550-CCV1	1200550	QC	18	1228005	-			
1200550-CCB1	1200550	QC	19		-			
1200550-CCV2	1200550	QC	20	1228005	-			
1200550-CCB2	1200550	QC	21		-			
B121230-BLK1	B121230	QC	22		-			
B121230-BLK2	B121230	QC	23		-			
B121230-BLK3	B121230	QC	24		-			
B121230-BLK4	B121230	QC	25		-			
B121230-BS1	B121230	QC	26		-			

ANALYSIS SEQUENCE

1200550

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B121230-SRM1	B121230	QC	27		-			
1228028-04	B121230	As-FW-Oven-DRC-TR	28			ACC-DA1202	7/24/2012	
1228028-01	B121230	As-FW-Oven-DRC-Diss	29			ACC-DA1202	1/1/1980	BatchQC
1228028-01	B121230	As-FW-Oven-DRC-TR	30			ACC-DA1202	7/24/2012	
1200550-CCV3	1200550	QC	31	1228005	-			
1200550-CCB3	1200550	QC	32		-			
1228028-02	B121230	As-FW-Oven-DRC-TR	33			ACC-DA1202	7/24/2012	
1228028-03	B121230	As-FW-Oven-DRC-TR	34			ACC-DA1202	7/24/2012	
1228028-05	B121230	As-FW-Oven-DRC-TR	35			ACC-DA1202	7/24/2012	
1228001-01	B121230	As-FW-Oven-DRC-Diss	36			TLI-TU1201	7/31/2012	
1200550-CCV4	1200550	QC	37	1228005	-			
1200550-CCB4	1200550	QC	38		-			
B121251-BLK1	B121251	QC	39		-			
B121251-BLK2	B121251	QC	40		-			
B121251-BLK4	B121251	QC	41		-			
B121251-BLK3	B121251	QC	42		-			
B121251-BS1	B121251	QC	43		-			
B121251-SRM1	B121251	QC	44		-			
1228003-01RE2	B121251	Se-FW-Oven-DRC-TR	45			GTS-KN1201	7/31/2012	From B121220 by MEL on 07/18/12
B121251-DUP1	B121251	QC	46		1228003-01RE2			
B121251-MS1	B121251	QC	47		1228003-01RE2			
B121251-MSD1	B121251	QC	48		1228003-01RE2			
1200550-CCV5	1200550	QC	49	1228005	-			
1200550-CCB5	1200550	QC	50		-			
1228003-02RE2	B121251	Se-FW-Oven-DRC-TR	51			GTS-KN1201	7/31/2012	From B121220 by MEL on 07/18/12
1228003-03RE2	B121251	Se-FW-Oven-DRC-TR	52			GTS-KN1201	7/31/2012	From B121220 by MEL on 07/18/12

ANALYSIS SEQUENCE

1200550

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1228003-06RE2	B121251	Se-FW-Oven-DRC-TR	53			GTS-KN1201	7/31/2012	From B121220 by MEL on 07/18/12
1228003-04RE2	B121251	Se-FW-Oven-DRC-TR	54			GTS-KN1201	7/31/2012	From B121220 by MEL on 07/18/12
1228003-05RE2	B121251	Se-FW-Oven-DRC-TR	55			GTS-KN1201	7/31/2012	From B121220 by MEL on 07/18/12
1200550-CCV6	1200550	QC	56	1228005	-			
1200550-CCB6	1200550	QC	57		-			
B121231-BLK1	B121231	QC	58		-			
B121231-BLK2	B121231	QC	59		-			
B121231-BLK3	B121231	QC	60		-			
B121231-BLK4	B121231	QC	61		-			
B121231-BS1	B121231	QC	62		-			
B121231-SRM1	B121231	QC	63		-			
1228034-01	B121231	200.8-As-FW-Oven-DRC-TR	64			MBL-BA0902	7/30/2012	FGD
1228034-01	B121231	200.8-Se-FW-Oven-DRC-TR	65			MBL-BA0902	7/30/2012	FGD
B121231-DUP1	B121231	QC	66		1228034-01			
B121231-MS1	B121231	QC	67		1228034-01			
B121231-MSD1	B121231	QC	68		1228034-01			
1200550-CCV7	1200550	QC	69	1228005	-			
1200550-CCB7	1200550	QC	70		-			
B121137-BLK1	B121137	QC	71		-			
B121137-BLK2	B121137	QC	72		-			
B121137-BLK3	B121137	QC	73		-			
B121137-BLK4	B121137	QC	74		-			
B121137-BS1	B121137	QC	75		-			
B121137-SRM1	B121137	QC	76		-			
B121137-SRM2	B121137	QC	77		-			
1227006-01	B121137	As-B-HNO3-DRC	78			FUJ-BU1201	7/26/2012	

ANALYSIS SEQUENCE

1200550

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200550-CCV8	1200550	QC	79	1228004	-			
1200550-CCB8	1200550	QC	80		-			
1225015-03	B121137	As-B-HNO3-DRC	81			UDE-SL1201	8/2/2012	
1225015-03	B121137	Se-B-HNO3-DRC	82			UDE-SL1201	8/2/2012	
B121137-DUP1	B121137	QC	83		1225015-03			
B121137-MS1	B121137	QC	84		1225015-03			
B121137-MSD1	B121137	QC	85		1225015-03			
1225015-04	B121137	As-B-HNO3-DRC	86			UDE-SL1201	8/2/2012	
1225015-04	B121137	Se-B-HNO3-DRC	87			UDE-SL1201	8/2/2012	
1225015-05	B121137	As-B-HNO3-DRC	88			UDE-SL1201	8/2/2012	
1225015-05	B121137	Se-B-HNO3-DRC	89			UDE-SL1201	8/2/2012	
1200550-CCV9	1200550	QC	90	1228004	-			
1200550-CCB9	1200550	QC	91		-			
1225015-06	B121137	As-B-HNO3-DRC	92			UDE-SL1201	8/2/2012	
1225015-06	B121137	Se-B-HNO3-DRC	93			UDE-SL1201	8/2/2012	
1225015-07	B121137	As-B-HNO3-DRC	94			UDE-SL1201	8/2/2012	
1225015-07	B121137	Se-B-HNO3-DRC	95			UDE-SL1201	8/2/2012	
1225015-08	B121137	As-B-HNO3-DRC	96			UDE-SL1201	8/2/2012	
1225015-08	B121137	Se-B-HNO3-DRC	97			UDE-SL1201	8/2/2012	
1225015-09	B121137	As-B-HNO3-DRC	98			UDE-SL1201	8/2/2012	
1225015-09	B121137	Se-B-HNO3-DRC	99			UDE-SL1201	8/2/2012	
1225015-10	B121137	As-B-HNO3-DRC	100			UDE-SL1201	8/2/2012	
1225015-10	B121137	Se-B-HNO3-DRC	101			UDE-SL1201	8/2/2012	
1225015-15	B121137	As-B-HNO3-DRC	102			UDE-SL1201	8/2/2012	
1225015-15	B121137	Se-B-HNO3-DRC	103			UDE-SL1201	8/2/2012	
1200550-CCVA	1200550	QC	104	1228004	-			

ANALYSIS SEQUENCE

1200550

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200550-CCBA	1200550	QC	105		-			
B121187-BLK1	B121187	QC	106		-			
B121187-BLK2	B121187	QC	107		-			
B121187-BLK3	B121187	QC	108		-			
B121187-BLK4	B121187	QC	109		-			
B121187-BS1	B121187	QC	110		-			
B121187-SRM1	B121187	QC	111		-			
B121187-SRM2	B121187	QC	112		-			
1200550-CCVB	1200550	QC	113	1228004	-			
1200550-CCBB	1200550	QC	114		-			
1227013-01	B121187	As-S-RARBomb-DRC	115			GJK-SF1201	7/17/2012	
B121187-DUP1	B121187	QC	116		1227013-01			
B121187-MS1	B121187	QC	117		1227013-01			
B121187-MSD1	B121187	QC	118		1227013-01			
1227013-02	B121187	As-S-RARBomb-DRC	119			GJK-SF1201	7/17/2012	
1227013-03	B121187	As-S-RARBomb-DRC	120			GJK-SF1201	7/17/2012	
1200550-CCVC	1200550	QC	121	1228004	-			
1200550-CCBC	1200550	QC	122		-			
1227013-04	B121187	As-S-RARBomb-DRC	123			GJK-SF1201	7/17/2012	
1227013-05	B121187	As-S-RARBomb-DRC	124			GJK-SF1201	7/17/2012	
1227013-06	B121187	As-S-RARBomb-DRC	125			GJK-SF1201	7/17/2012	
1227013-07	B121187	As-S-RARBomb-DRC	126			GJK-SF1201	7/17/2012	
1227013-08	B121187	As-S-RARBomb-DRC	127			GJK-SF1201	7/17/2012	
1200550-CCVD	1200550	QC	128	1228004	-			
1200550-CCBD	1200550	QC	129		-			

ICP-MS Analysis Benchsheet Batch No: B121251, 1231, 1230, 1137, 1187

BR-0060 standard / DRC mode (circle one)

Analyst: MEL Date: 7/19/2012

Instrument ID: ICOMS-2 cHNO3 ID: 1220047 cHCl ID: NA

Calibration recorded in LIMS Int Std: 1214030 SEQ: 1200550

A/S #	Batch	Sample ID	Dilution	Comments
1		warm up		
1		warm up		
1		warm up		
1		SEQ-ICB1		
2		SEQ-CAL1		1228008
3		SEQ-CAL2		1228007
4		SEQ-CAL3		1228006
5		SEQ-CAL4		1228005
6		SEQ-CAL5		1228004
7		SEQ-CAL6		1228003
8		SEQ-CAL7		1228002
9		SEQ-CAL8		1228001
1		SEQ-ICB2		
10		SEQ-ICV1		1217029
1		SEQ-ICB3		
101		SEQ-IBL1		
102		SEQ-IBL2		
103		SEQ-IBL3		
104		SEQ-IBL4		
105		SEQ-SCV1	5x	NIST 1643e 1202032 or 1215030
5		SEQ-CCV1		1228005
1		SEQ-CCB1		CCV reanalyzed due to high RSDs
5		SEQ-CCV2		1228005
1		SEQ-CCB2		
106	B121230	B121230-BLK1		
107	B121230	B121230-BLK2		
108	B121230	B121230-BLK3		
109	B121230	B121230-BLK4		
110	B121230	B121230-BS1		
111	B121230	1228028-04		
112	B121230	1228028-01	5x	
113	B121230	B121230-DUP1	5x	1228028-01
114	B121230	B121230-MS1	5x	50ul of 1227035 up to 5ml
115	B121230	B121230-MSD1	5x	50ul of 1227035 up to 5ml
5		SEQ-CCV3		1228005
1		SEQ-CCB3		
116	B121230	1228028-02	5x	
117	B121230	1228028-03	5x	
118	B121230	1228028-05	5x	

119	B121230	1228001-01	5x	
5		SEQ-CCV4		1228005
1		SEQ-CCB4		
120	B121251	B121251-BLK1		
121	B121251	B121251-BLK2		
122	B121251	B121251-BLK3		
123	B121251	B121251-BLK4		
124	B121251	B121251-BS1		
125	B121251	1228003-01RE2	100x	
126	B121251	B121251-DUP1	100x	1228003-01RE2
127	B121251	B121251-MS1	100x	25ul of 1212074 up to 5ml
128	B121251	B121251-MSD1	100x	25ul of 1212074 up to 5ml
5		SEQ-CCV5		1228005
1		SEQ-CCB5		
129	B121251	1228003-02 RE2	100x	
130	B121251	1228003-06	100x	
131	B121251	1228003-03	1x	
132	B121251	1228003-04	1x	
133	B121251	1228003-05 *	1x	
5		SEQ-CCV6		1228005
1		SEQ-CCB6		
134	B121231	1228034-01	25x	
135	B121231	B121231-DUP1	25x	1228034-01
136	B121231	B121231-MS1	25x	100ul each of 1227036 & 1212076 up to 5ml
137	B121231	B121231-MSD1	25x	100ul each of 1227036 & 1212076 up to 5ml
5		SEQ-CCV7		1228005
1		SEQ-CCB7		
138	B121137	B121137-BLK1	10x	
139	B121137	B121137-BLK2	10x	
140	B121137	B121137-BLK3	10x	
141	B121137	B121137-BLK4	10x	
142	B121137	B121137-BS1	10x	
143	B121137	B121137-SRM1	10x	
144	B121137	B121137-SRM2	10x	
145	B121137	1227006-01	10x	
6		SEQ-CCV8		1228004
1		SEQ-CCB8		
146	B121137	1225015-03	10x	
147	B121137	B121137-DUP1	10x	
148	B121137	B121137-MS1	10x	
149	B121137	B121137-MSD1	10x	
150	B121137	1225015-04	10x	
151	B121137	1225015-05	10x	
6		SEQ-CCV9		1228004
1		SEQ-CCB9		
152	B121137	1225015-06	10x	
153	B121137	1225015-07	10x	
154	B121137	1225015-08	10x	
155	B121137	1225015-09	10x	
156	B121137	1225015-10	10x	
157	B121137	1225015-15	10x	
6		SEQ-CCVA		1228004

In PDF, samples not labeled w/ "RE2"

1		SEQ-CCBA		
201	B121187	B121187-BLK1	50x	
202	B121187	B121187-BLK2	50x	
203	B121187	B121187-BLK3	50x	
204	B121187	B121187-BLK4	50x	
205	B121187	B121187-BS1	50x	
206	B121187	B121187-SRM1	50x	
207	B121187	B121187-SRM2	50x	
6		SEQ-CCVB		1228004
1		SEQ-CCBB		
208	B121187	1227013-01	50x	
209	B121187	B121187-DUP1	50x	
210	B121187	B121187-MS1	50x	
211	B121187	B121187-MSD1	50x	
212	B121187	1227013-02	50x	
213	B121187	1227013-03	50x	
6		SEQ-CCVC		1228004
1		SEQ-CCBC		
214	B121187	1227013-04	50x	
215	B121187	1227013-05	50x	
216	B121187	1227013-06	50x	
217	B121187	1227013-07	50x	
218	B121187	1227013-08	50x	
6		SEQ-CCVD		1228004
1		SEQ-CCBD		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		

Trace Metals Method BR-0065 Rev 00^4^ (ICP-MS)
5% Nitric Acid Digestion

BRL Report 1225015

Batch #(s): B121231, 1200, 1230, 1228 Page 1 of 1

Workorder #(s): 1228034, 7020, 8028, 8001, 4025

Prepared By: CE

Preparation Date and Time*: 7/16/12 1635 ~~1645~~

Date and Time of Finished Preparation: 7/17/12 0900

* Time is when the first reagents are added.

Sample ID	Sample Vol.(mL)	Acid Added (mL)
BLK1	125	6.25
BLK2	↓	↓
BLK3	↓	↓
BLK4	↓	↓
BS1	↓	↓
□ 1228034-01	600	22.5
Δ 1227020-01	250	12.25
-02	↓	↓
-03	↓	↓
-04	↓	↓
-05	↓	↓
-06	↓	↓
-07	↓	↓
-08	↓	↓
-09	↓	↓
-10	↓	↓
-11	↓	↓
-12	↓	↓
-13	↓	↓
1228028-01	125	6.125
-02	↓	↓

Sample ID	Sample Vol.(mL)	Acid Added (mL)
1228028-03	125	6.125
-04	↓	↓
-05	↓	↓
~~1228001-01~~	~~210~~	~~10.5~~
1224025-03	500	24.5
-04	↓	↓
-05	↓	↓

Balance ID: BL-02
Oven ID: OV-05
HNO_3 ID: 1220047
Bottle lot #: 12-175

circle 125mL or 250mL	standard	mL to add to 125mL bottle	mL to add to 250mL bottle	LIMS ID
BS1	ML-1	2.5	5	1227049
	0.02 ppm Ag	2.5	5	1216093
	0.02 ppm Sb	2.5	5	1212066
	~~0.10 ppm Sn~~ CE 7/16/12	~~2.5~~	~~5~~	
	1 ppm Y	1.25	2.5	1223037
	1ppm Ga	1.25	2.5	1229040
	1ppm Rb	1.25	2.5	1229042

Spike Witness Initials/Date: MEL 7/16/12

Target Oven Temperature: 85°C

Time/Temp* In: M:79°C C:78°C ~~1645~~ 1635 7/16/12

Time/Temp* Out: M:86°C C:85°C 0900 7/17/12

Thermometer ID: TM-01

* Both measured and corrected temperatures must be recorded.

Comments: □: pre-preserved w/0.5% HNO_3. Δ: pre-preserved w/0.1% HNO_3.
*: Sample wt. est. using 250mL reference bottle.
●: pre-preserved w/HCl - Treated as 0% HNO_3.

Trace Metals Method BR-0065 Rev 04/19 (ICP-MS)
1 % Nitric Acid Digestion

BRL Report 1225015

Batch #(s): B121201, 1220, 1251

Page 1 of 1

Workorder #(s): 1227026, 8003

Preparation Date and Time*: 7/12/12 1455

Prepared By: CEE

Date and Time of Finished Preparation: _____

* Time is when the first reagents are added.

COPY

Sample ID	Sample Vol.(mL)	Acid Added (mL)
BLK1	125	1.25
BLK2		
BLK3		
BLK4		
BS1		
1227026-01		1.125
-02		
-03		
-04		
-05		
1228003-01		
-02		
-03		
-04		
-05		
-06		

CE 7/12/12

Sample ID	Sample Vol.(mL)	Acid Added (mL)

CE 7/12/12

Balance ID: BL-01

Oven ID: OV-05

HNO_3 ID: 120047

Bottle lot #: 12-172

Target Oven Temperature: 85°C

Time/Temp* In: M:83°C C:82°C 1455 7/12/12

Time/Temp* Out: M: 84°C C:83°C 9:05 7/13/12

Thermometer ID: TM-01

*** Both measured and corrected temperatures must be recorded.**

circle 125mL or 250mL	standard	mL to add to 125mL bottle	mL to add to 250mL bottle	LIMS ID
BS1	ML-1	(2.5)	5	1227049
	~~0.02 ppm Ag~~	~~2.5~~	~~5~~	
	0.02 ppm Sb	2.5	5	
	.0.10 ppm Sn	2.5	CE 7/12/12	
	1 ppm Y	~~1.25~~	2.5	

Spike Witness Initials/Date: MEL 7/12/12

Comments: A: pre-preserved w/0.1% HNO_3

Trace Metals Method BR-0065 Rev 00.10 (ICP-MS)
5% Nitric Acid Digestion

BRL Report 1225015

Batch #(s): B121231, 1200, 1230, 1228 Page 1 of 1

Workorder #(s): 1228034, 7020, 8028, 8001, 4025

Preparation Date and Time*: 7/16/12 1635

Prepared By: CE

Date and Time of Finished Preparation: 7/17/12 0900

* Time is when the first reagents are added.

Sample ID	Sample Vol.(mL)	Acid Added (mL)
BLK1	125	6.25
BLK2	↓	↓
BLK3	↓	↓
BLK4	↓	↓
BS1	↓	↓
□ 1228034-01	500	22.5
Δ 1227020-01	250	12.25
-02	↓	↓
-03	↓	↓
-04	↓	↓
-05	↓	↓
-06	↓	↓
-07	↓	↓
-08	↓	↓
-09	↓	↓
-10	↓	↓
-11	↓	↓
-12	↓	↓
-13	↓	↓
1228028-01	125	6.125
-02	↓	↓

Sample ID	Sample Vol.(mL)	Acid Added (mL)
Δ 1228028-03	125	6.125
-04	↓	↓
-05	↓	↓
* 1228001-01	210	10.5
Δ 1224025-03	500	24.5
-04	↓	↓
-05	↓	↓

Balance ID: BL-02

Oven ID: OV-05

HNO_3 ID: 1220047

Bottle lot #: 12-175

circle 125mL or 250mL	standard	mL to add to 125mL bottle	mL to add to 250mL bottle	LIMS ID
	ML-1	2.5	5	1227049
	0.02 ppm Ag	2.5	5	1216093
	0.02 ppm Sb	2.5	5	1212066
BS1	~~0.10 ppm Sn~~	~~2.5~~	~~5~~	
	1 ppm Y	1.25	2.5	1223037
	1ppm Ga	1.25	2.5	1229040
	1ppm Rb	1.25	2.5	1229042

Spike Witness Initials/Date: MEL 7/16/12

Target Oven Temperature: 85°C

Time/Temp* In: M:79°C C:78°C 1645 7/16/12

Time/Temp* Out: M:86°C C:85°C 0900 7/17/12

Thermometer ID: TM-01

* Both measured and corrected temperatures must be recorded.

Comments: □: pre-preserved w/0.5% HNO_3. Δ: pre-preserved w/0.1% HNO_3.
*: Sample vol. est. using 250mL reference bottle.
●: pre-preserved w/HCl. Treated as 0% HNO_3.

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

Biota Preparation by HotBlock Digestion

Digestion by: HNO_3 / H_2O_2

BRL Report 1225015

Batch #: B121137, 1138 Prepared By: CCE Preparation Date and Time*: 7/13/12 1545

Matrix: biota / brine shrimp Balance ID: BL-03 Date and Time of Finished Preparation: 1000 7/10/12

* Time is when the first reagents are added.

Sample ID	Sample Mass (g)	Notes
BLK1	---	
BLK2	---	
BLK3	---	
BLK4	---	
BS1	---	
SRM1	0.250	DORM-3
SRM2	0.259	TORT-2
12270060l	0.471	
1225015-03	0.507	
DUP1	0.497	
MS1	0.573	
MSD1	0.604	
1225015-04	0.655	
-05	0.680	
-06	0.594	
-07	0.504	
-08	0.532	
-09	0.581	
-10	0.554	Final vol = 50mL
-15	0.645	

CE 7/13/12

Sample ID	Sample Mass (g)	Notes

CE 7/12/12

Sample ID	Spike ID	Spike Added (mL)	Analyte/Concentration	Spike Witness Initials/Date
BS1, MS1, MSD1	1228098	0.1	B121137, 1138 spike	MEL 7/13/12
			CE 7/13/12	

Reagents Added (ID/Amount Added)

10mL HNO_3 (1220047)

0.1mL H_2O_2 (1107099)

Environ. Express tube lot #: 1107184

Final Dilution Volume 40 mL

Target Hotblock Temperature = 100 °C

HotBlock Temperature*, Time On / Time Off, Date

N: 100°C C 99°C 1555 7/13/12

Timer set for 3.5hrs

Thermometer ID: 0103916

* Both measured and corrected temperatures must be recorded.

SRM-Matrix-LIMS ID #

SRM1 - DORM-3 - 1219049

SRM2 - TORT-2 - 1051005

Comments:

Samples were aliquotted w/pipette

B121137, 1138
biota

Samples spiked: BS1, MS1, MSD1

Element	Target Conc. (mg/kg)	spike conc w/ **0.1mL spike vol** and **0.5g sample**	mL from stock into **10mL tube**	ppm	LIMS ID
As DRC	1.000	5.000	0.5000	**100**	1227001
Cd	0.200	1.000	0.1000	**100**	1216067
Cu	1.600	8.000	0.8000	**100**	1227010
Pb	0.400	2.000	0.2000	**100**	1227018
Se DRC	1.500	7.500	0.7500	**100**	1212072
Tl	0.080	0.400	0.4000	**10**	1216087

Spike mix ID: 1228098

Add 7.25mL 2% HNO3

Trace Metals Method BR-0067 Rev 026 (ICP-MS)
Solid Sample Preparation by Oven Bomb Digestion
Digestion by: Reverse Aqua Regia

Batch #: B121147, 1187 Prepared By: CLE Preparation Date and Time*: 7/13/12 1455

Matrix: Seeds Date and Time of Finished Preparation: 7/16/12 1055

Bomb #	Sample ID	Sample Mass (g)	Bomb Mass (g)	Bomb Mass Pre-oven (g)	Bomb Mass Post-oven (g)
219	BLK1	---	132.22	153.52	154.13
209	BLK2	---	132.61	153.85	153.93
313	BLK3	---	129.67	151.07	151.77
216	BLK4	---	129.59	150.94	151.25
292	B121147 BS1	---	133.26	155.76	156.48
246	SRM1	0.294	132.62	153.89	154.74
291	SRM2	0.280	128.53	150.04	149.78
005	1226009-03	0.572	132.79	154.24	154.97
274	-04	0.596	131.94	153.77	154.56
317	-05	0.530	130.07	151.66	152.39
312	1226018-79	0.559	132.55	154.21	155.10

Bomb #	Sample ID	Sample Mass (g)	Bomb Mass (g)	Bomb Mass Pre-oven (g)	Bomb Mass Post-oven (g)
215	B121147 DUP1	0.613	132.57	154.37	155.18
258	MS1	0.575	132.24	155.20	155.98
297	MSD1	0.573	132.62	155.60	156.51
294	1226018-80	0.591	130.80	152.63	153.40
335	-81	0.496	131.18	152.93	153.76
235	1226027-40	0.615	132.65	154.30	154.88
346	1226028-76	0.652	130.11	152.03	152.95
318	-77	0.495	129.19	150.77	151.17
250	1227013-01	0.657	132.92	154.51	155.28
305	B121187 DUP1	0.527	132.43	153.79	154.60
343	MS1	0.562	129.84	151.77	152.58

NOTE: The % Sample Loss must be calculated for each bomb before passing the sample preparations on for analysis.
Warning Limit is 5.0% sample loss / Control Limit is 10.0% sample loss.

Sample ID	Spike ID	Spike Added (mL)	Analyte/Concentration
B121147 BS1, MS/MSD1	1140023	1.00	Ca 10,000 ppm
↓	1116038	0.120	Fe 10,000 ppm
↓	1227019	0.075	Pb 10ppm
B121187 BS1, MS/MSD1	1227034	0.400	As 10ppm

Fake spike: 1228102

Spike Witnessed by Initials/Date: MEL 7/13/12

SRM-Matrix-LIMS ID#: SRM1 - NIST 2709a - 0919050
SRM2 - NIST 2710a - 0919053

Reagents Added (ID/Amount Added):
1) 4mL HCl (1051060) 2) 12mL HNO_3 (1220047) 3) Final Dilution Volume: 50mL

Balance ID: BL-03, BL-01, BL-02 Oven ID: OV-05 Target Temp: 130 °C Measured Temp*/Date/Time In: C: 126°C M: 128°C 7/13/12 1510 Out: 7/14/12 1125 KTJ

C: 130°C M: 133°C

Environ. Express tube lot #: Thermometer ID: TM-01

* Both measured and corrected temperatures must be recorded.

Comments: BL-01 used to weigh bomb mass & pre-oven mass - BL-02 used to weigh post-oven mass.

Trace Metals Method BR-0067 Rev 02a (ICP-MS)

Solid Sample Preparation by Oven Bomb Digestion

Digestion by: Reverse Aqua Regia

BRL Report 1225015

Batch #: B121147, 1187 Prepared By: CeE Preparation Date and Time*: 7/13/12 1455

Matrix: Seds Date and Time of Finished Preparation: 7/16/12 1055

Bomb #	Sample ID	Sample Mass (g)	Bomb Mass (g)	Bomb Mass Pre-oven (g)	Bomb Mass Post-oven (g)
284	B121187 MSD1	0.542	132.41	154.26	155.22
266	122793-02	0.564	132.79	154.02	154.98
241	-03	0.657	132.36	153.84	154.63
320	-04	0.535	129.96	151.81	152.65
311	-05	0.541	130.43	151.82	152.76
205	-06	0.561	132.90	154.32	155.29
268	-07	0.435	132.56	153.82	154.64
248	-08	0.282	132.77	154.41	155.28
200	B121187 BS1	—	133.11	154.73	155.60

CeE 7/13/12

Bomb #	Sample ID	Sample Mass (g)	Bomb Mass (g)	Bomb Mass Pre-oven (g)	Bomb Mass Post-oven (g)

CeE 7/13/12

NOTE: The % Sample Loss must be calculated for each bomb before passing the sample preparations on for analysis.
Warning Limit is 5.0% sample loss / Control Limit is 10.0% sample loss.

Comments:

B121147, 1187
RAR

B121147
Samples spiked:

Element	Target Conc. (mg/kg)	vol to spike directly to **0.5g sample**	ppm	LIMS ID
* Ca	~~230000.000~~	~~1500~~ 1 mL	**10000**	1140023
Fe	2400.000	0.120	**10000**	1116038
Pb	1.500	0.075	10	1227019

Fake Spike ID: 1228012

* Spike Ca w/ 1 mL 10000 ppm so as to minimize spike vol. + interference w/ digestion. As per TMH.

B121187
Samples spiked:

Element	Target Conc. (mg/kg)	vol to spike directly to **0.5g sample**	ppm	LIMS ID
As DRC	8.000	0.400	10	1227034

Batch:	B121147, 1187		Date:	7/16/2012	Warning level:	5%	
Analyst:	CCE				Control Limit:	10%	

Sample ID	Empty Bomb + Lid (g)	Bomb + Sample pre-oven (g)	Bomb + Sample post-oven (g)	post-oven w/ CF (g)	Sample Loss %	OK?	Comments
BLK1	132.220	153.520	154.130	152.8865	3.0%	y	Corrected for high bias of post-oven balance (BL-02).
BLK2	132.610	153.850	153.930	152.6881	5.5%	y	
BLK3	129.670	151.070	151.770	150.5456	2.5%	y	"post-oven w/CF" = "Bomb + Sample post-oven" / Correction Factor (CF).
BLK4	129.590	150.940	151.250	150.0298	4.3%	y	
B121147 BS1	133.260	155.760	156.480	155.2176	2.4%	y	CF=151.22/150=1.008133
SRM1	132.620	153.890	154.740	153.4916	1.9%	y	See BL-02 logbook for details.
SRM2	128.530	150.040	149.780	148.5716	6.8%	y	
1226009-03	132.790	154.240	154.970	153.7197	2.4%	y	
1226009-04	131.940	153.770	154.560	153.3131	2.1%	y	
1226009-05	130.070	151.660	152.390	151.1606	2.3%	y	
1226018-79	132.550	154.210	155.100	153.8487	1.7%	y	
B121147 DUP1	132.570	154.370	155.180	153.9281	2.0%	y	
B121147 MS1	132.240	155.200	155.980	154.7216	2.1%	y	
B121147 MSD1	132.620	155.600	156.510	155.2473	1.5%	y	
1226018-80	130.800	152.630	153.400	152.1624	2.1%	y	
1226018-81	131.180	152.930	153.760	152.5195	1.9%	y	
1226027-40	132.650	154.300	154.880	153.6305	3.1%	y	
1226028-76	130.110	152.030	152.950	151.716	1.4%	y	
1226028-77	129.190	150.770	151.170	149.9504	3.8%	y	
1227013-01	132.920	154.510	155.280	154.0272	2.2%	y	
B121187 DUP1	132.430	153.790	154.600	153.3527	2.0%	y	
B121187 MS1	129.840	151.770	152.580	151.349	1.9%	y	
B121187 MSD1	132.410	154.260	155.220	153.9677	1.3%	y	
1227013-02	132.790	154.020	154.980	153.7297	1.4%	y	
1227013-03	132.360	153.840	154.630	153.3825	2.1%	y	
1227013-04	129.960	151.810	152.650	151.4185	1.8%	y	
1227013-05	130.430	151.820	152.760	151.5276	1.4%	y	
1227013-06	132.900	154.320	155.290	154.0372	1.3%	y	
1227013-07	132.560	153.820	154.640	153.3924	2.0%	y	
1227013-08	132.770	154.410	155.280	154.0272	1.8%	y	
B121187 BS1	133.110	154.730	155.600	154.3447	1.8%	y	

Sample Information

Report Title: QUANTITATIVE ANALYSIS REPORT
Batch ID:
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017
Tuning File: C:\Elandata\Tuning\Default.tun
Optimization File: C:\Elandata\Optimize\Default.dac
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Calibration Type: External Calibration

Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
AsO	91	Weighted Linear	0.007	-0.000	0.999812	0.025000
Se	78	Weighted Linear	0.001	-0.000	0.999499	0.050000
Se	77	Weighted Linear	0.000	-0.000	0.999847	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: Thursday, July 19, 2012 12:31:05
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91		10	3	31.1			ug/L
|	Se	78		8	2	21.8			ug/L
|	Se	77		2	0	6.9			ug/L
⌊>	Rh	103		414319	6735	1.6			ug/L
	Br	79		5	3	50.0			ug/L
	Cl	35		800	38	4.7			ug/L
	C	13		2346	80	3.4			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: Thursday, July 19, 2012 12:32:34
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 2

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CAL1.018
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	77	10	12.4	0.000161	**0.0246**	ug/L
|	Se	78	8	23	2	7.8	0.000035	**0.0516**	ug/L
|	Se	77	2	6	0	6.0	0.000010	**0.0501**	ug/L
⌊>	Rh	103	414319	414747	2934	0.7	414746.782528		ug/L
	Br	79	5	3	1	43.3	-1.666668		ug/L
	Cl	35	800	800	28	3.5	-0.000023		ug/L
	C	13	2346	2267	79	3.5	-79.186761		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: Thursday, July 19, 2012 12:34:02
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 3

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CAL2.019
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	157	4	2.3	0.000351	**0.0519**	ug/L
|	Se	78	8	36	3	8.2	0.000066	**0.0951**	ug/L
|	Se	77	2	11	1	4.8	0.000021	**0.0983**	ug/L
⌊>	Rh	103	414319	418168	6237	1.5	418167.639067		ug/L
	Br	79	5	6	5	89.2	0.833335		ug/L
	Cl	35	800	804	32	4.0	4.167020		ug/L
	C	13	2346	2288	71	3.1	-58.348252		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: Thursday, July 19, 2012 12:35:31
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 4

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CAL3.020
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	717	3	0.5	0.001702	**0.2462**	ug/L
|	Se	78	8	78	8	10.4	0.000168	**0.2407**	ug/L
|	Se	77	2	25	3	13.3	0.000055	**0.2555**	ug/L
⌊>	Rh	103	414319	415108	2170	0.5	415107.568804		ug/L
	Br	79	5	4	5	124.9	-0.833333		ug/L
	Cl	35	800	826	20	2.4	25.835606		ug/L
	C	13	2346	2401	81	3.4	55.014369		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: Thursday, July 19, 2012 12:36:59
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CAL4.021
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	2813	31	1.1	0.006906	**0.9944**	ug/L
|	Se	78	8	298	5	1.7	0.000714	**1.0195**	ug/L
|	Se	77	2	92	1	0.8	0.000221	**1.0233**	ug/L
⌊>	Rh	103	414319	405910	8272	2.0	405909.740367		ug/L
	Br	79	5	8	3	33.3	2.500002		ug/L
	Cl	35	800	731	70	9.6	-69.172363		ug/L
	C	13	2346	2233	31	1.4	-113.362077		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: Thursday, July 19, 2012 12:38:28
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CAL5.022
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	14081	224	1.6	0.034594	**4.9753**	ug/L
|	Se	78	8	1445	14	1.0	0.003532	**5.0339**	ug/L
|	Se	77	2	442	8	1.7	0.001080	**4.9839**	ug/L
⌊>	Rh	103	414319	406740	3249	0.8	406740.337010		ug/L
	Br	79	5	6	1	24.7	0.833334		ug/L
	Cl	35	800	826	44	5.3	25.835662		ug/L
	C	13	2346	2262	53	2.3	-84.188133		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: Thursday, July 19, 2012 12:39:56
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 7

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CAL6.023
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	73494	614	0.8	0.174639	**25.1104**	ug/L
|	Se	78	8	7416	75	1.0	0.017605	**25.0857**	ug/L
|	Se	77	2	2245	20	0.9	0.005331	**24.5854**	ug/L
L>	Rh	103	414319	420787	4386	1.0	420787.109958		ug/L
	Br	79	5	6	6	107.9	0.833335		ug/L
	Cl	35	800	807	60	7.5	6.667337		ug/L
	C	13	2346	2347	121	5.1	0.833848		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
L>	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: Thursday, July 19, 2012 12:41:25
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 8

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CAL7.024
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	364917	4094	1.1	0.878606	**126.3243**	ug/L
|	Se	78	8	37083	329	0.9	0.089269	**127.1971**	ug/L
|	Se	77	2	11245	67	0.6	0.027072	**124.8359**	ug/L
⌊>	Rh	103	414319	415342	6185	1.5	415342.421888		ug/L
	Br	79	5	9	3	31.5	4.166670		ug/L
	Cl	35	800	823	39	4.7	23.335420		ug/L
	C	13	2346	2255	3	0.1	-90.856557		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: Thursday, July 19, 2012 12:42:53
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 9

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CAL8.025
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	1386547	2144	0.2	3.443389	**495.0798**	ug/L
|	Se	78	8	142481	680	0.5	0.353816	**504.1386**	ug/L
|	Se	77	2	43219	239	0.6	0.107325	**494.8896**	ug/L
⌊>	Rh	103	414319	402680	2787	0.7	402680.359336		ug/L
	Br	79	5	32	8	24.1	26.666722		ug/L
	Cl	35	800	788	19	2.4	-12.501131		ug/L
	C	13	2346	2165	50	2.3	-180.878349		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: Thursday, July 19, 2012 12:44:22
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB2.026
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	134	49	36.5	0.000306	**0.0454**	ug/L
|	Se	78	8	30	2	7.2	0.000054	**0.0780**	ug/L
|	Se	77	2	9	1	8.8	0.000017	**0.0824**	ug/L
⌊>	Rh	103	414319	403920	11706	2.9	403919.665037		ug/L
	Br	79	5	8	5	66.7	2.500002		ug/L
	Cl	35	800	813	59	7.3	13.334592		ug/L
	C	13	2346	2179	77	3.5	-166.708170		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	97.490
	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: Thursday, July 19, 2012 12:46:20
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 10

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICV1.027
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	16087	1339	8.3	0.037591	**5.4062**	ug/L
|	Se	78	8	3156	94	3.0	0.007362	**10.4911**	ug/L
|	Se	77	2	949	60	6.3	0.002214	**10.2090**	ug/L
⌊>	Rh	103	414319	427496	3859	0.9	427496.013001		ug/L
	Br	79	5	8	9	120.2	2.500004		ug/L
	Cl	35	800	813	23	2.9	13.334484		ug/L
	C	13	2346	2333	60	2.6	-13.336867		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	103.180
	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: Thursday, July 19, 2012 12:47:49
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB3.028
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	27	1	4.2	0.000042	**0.0075**	ug/L
|	Se	78	8	12	1	5.6	0.000008	**0.0135**	ug/L
|	Se	77	2	4	0	6.7	0.000004	**0.0211**	ug/L
⌊>	Rh	103	414319	409274	11128	2.7	409274.228481		ug/L
	Br	79	5	1	1	173.2	-4.166668		ug/L
	Cl	35	800	794	22	2.7	-5.833880		ug/L
	C	13	2346	2272	144	6.4	-74.184976		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.782
	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: Thursday, July 19, 2012 12:49:25
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 101

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-IBL1.029
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	19	11	54.3	0.000023	**0.0048**	ug/L
|	Se	78	8	11	1	5.3	0.000006	**0.0104**	ug/L
|	Se	77	2	3	1	16.4	0.000003	**0.0151**	ug/L
L>	Rh	103	414319	401770	3979	1.0	401769.988651		ug/L
	Br	79	5	2	3	173.2	-3.333334		ug/L
	Cl	35	800	787	28	3.5	-13.334521		ug/L
	C	13	2346	2249	65	2.9	-97.524720		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
L>	Rh	103	96.971
	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: Thursday, July 19, 2012 12:50:54
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 102

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-IBL2.030
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	13	2	17.3	0.000008	**0.0027**	ug/L
|	Se	78	8	10	2	17.2	0.000004	**0.0067**	ug/L
|	Se	77	2	2	1	33.3	0.000001	**0.0048**	ug/L
⌊>	Rh	103	414319	400198	7433	1.9	400197.547023		ug/L
	Br	79	5	8	4	45.8	3.333336		ug/L
	Cl	35	800	768	40	5.3	-31.669391		ug/L
	C	13	2346	2250	52	2.3	-95.857697		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.592
	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: Thursday, July 19, 2012 12:52:22
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 103

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-IBL3.031
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	10	3	24.4	0.000001	**0.0016**	ug/L
|	Se	78	8	8	1	17.5	-0.000001	**0.0003**	ug/L
|	Se	77	2	2	1	33.3	0.000001	**0.0069**	ug/L
L>	Rh	103	414319	397884	4913	1.2	397884.008752		ug/L
	Br	79	5	6	1	24.7	0.833334		ug/L
	Cl	35	800	804	56	7.0	4.167098		ug/L
	C	13	2346	2315	132	5.7	-30.840838		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
L>	Rh	103	96.033
	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: Thursday, July 19, 2012 12:53:51
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 104

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-IBL4.032
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	12	2	16.7	0.000005	**0.0022**	ug/L
|	Se	78	8	9	0	5.4	0.000001	**0.0035**	ug/L
|	Se	77	2	2	1	24.0	0.000000	**0.0037**	ug/L
⌊>	Rh	103	414319	402126	7538	1.9	402125.787135		ug/L
	Br	79	5	8	3	33.3	2.500002		ug/L
	Cl	35	800	768	53	6.8	-31.669349		ug/L
	C	13	2346	2150	21	1.0	-195.881984		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	97.057
	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: Thursday, July 19, 2012 12:55:19
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 1
Autosampler Position: 105

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-SCV1.033
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	35511	605	1.7	0.086477	**62.1740**	ug/L
|	Se	78	8	755	2	0.3	0.001820	**12.9705**	ug/L
|	Se	77	2	226	2	0.7	0.000547	**12.6116**	ug/L
⌊>	Rh	103	414319	410499	3501	0.9	410498.801929		ug/L
	Br	79	5	5	0	0.0	-0.000000		ug/L
	Cl	35	800	859	59	6.8	59.172140		ug/L
	C	13	2346	2233	184	8.2	-113.360869		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	99.078
	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: Thursday, July 19, 2012 12:57:35
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CCV1.034
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	3477	1170	33.6	0.008541	**1.2295**	ug/L
|	Se	78	8	341	81	23.8	0.000822	**1.1723**	ug/L
|	Se	77	2	106	38	36.1	0.000256	**1.1839**	ug/L
⌊>	Rh	103	414319	404569	6773	1.7	404569.496604		ug/L
	Br	79	5	3	1	43.3	-1.666668		ug/L
	Cl	35	800	658	123	18.7	-141.677527		ug/L
	C	13	2346	1817	189	10.4	-529.286759		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	97.647
	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: Thursday, July 19, 2012 12:59:05
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CCB1.035
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	10	8	86.8	-0.000001	**0.0014**	ug/L
|	Se	78	8	8	2	22.9	0.000000	**0.0021**	ug/L
|	Se	77	2	3	1	44.4	0.000002	**0.0111**	ug/L
⌊>	Rh	103	414319	402879	5452	1.4	402878.787358		ug/L
	Br	79	5	5	3	50.0	0.000000		ug/L
	Cl	35	800	859	49	5.7	59.172100		ug/L
	C	13	2346	2250	88	3.9	-95.857513		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	97.239
	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: Thursday, July 19, 2012 13:03:14
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CCV2.036
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	2826	30	1.0	0.006888	**0.9918**	ug/L
|	Se	78	8	296	17	5.9	0.000703	**1.0028**	ug/L
|	Se	77	2	89	7	7.5	0.000213	**0.9832**	ug/L
⌊>	Rh	103	414319	408856	2481	0.6	408856.163566		ug/L
	Br	79	5	8	1	17.3	3.333336		ug/L
	Cl	35	800	793	27	3.4	-7.500682		ug/L
	C	13	2346	2250	102	4.5	-95.857415		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.681
	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: Thursday, July 19, 2012 13:05:33
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CCB2.037
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	8	1	12.5	-0.000006	**0.0006**	ug/L
|	Se	78	8	7	2	27.6	-0.000004	**-0.0039**	ug/L
|	Se	77	2	2	1	22.2	0.000000	**0.0036**	ug/L
⌊>	Rh	103	414319	418558	4481	1.1	418557.676188		ug/L
	Br	79	5	7	8	114.6	1.666670		ug/L
	Cl	35	800	804	25	3.1	4.167004		ug/L
	C	13	2346	2354	44	1.9	8.335324		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	101.023
	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: Thursday, July 19, 2012 14:12:16
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CCV7.078
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	3016	67	2.2	0.006965	**1.0029**	ug/L
|	Se	78	8	322	6	1.8	0.000726	**1.0360**	ug/L
|	Se	77	2	97	2	2.5	0.000219	**1.0136**	ug/L
L>	Rh	103	414319	431455	2559	0.6	431454.652593		ug/L
	Br	79	5	98	24	24.5	92.500542		ug/L
	Cl	35	800	908	26	2.9	107.510069		ug/L
	C	13	2346	2594	46	1.8	247.567092		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
L>	Rh	103	104.136
	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: Thursday, July 19, 2012 14:13:45
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CCB7.079
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	5	2	40.0	-0.000013	**-0.0005**	ug/L
|	Se	78	8	6	1	13.8	-0.000007	**-0.0090**	ug/L
|	Se	77	2	2	0	24.7	-0.000001	**-0.0025**	ug/L
L>	Rh	103	414319	431771	5725	1.3	431770.877452		ug/L
	Br	79	5	33	5	15.4	27.500057		ug/L
	Cl	35	800	853	63	7.4	53.338276		ug/L
	C	13	2346	2607	94	3.6	260.904485		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
L>	Rh	103	104.212
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121137-BLK1
Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:15:16
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 138

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\B121137-BLK1.080
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	5	3	53.9	-0.000014	**-0.0054**	ug/L
|	Se	78	8	5	1	25.6	-0.000007	**-0.0896**	ug/L
|	Se	77	2	2	0	22.9	-0.000001	**-0.0317**	ug/L
L>	Rh	103	414319	425871	4576	1.1	425870.880831		ug/L
	Br	79	5	65	30	46.6	60.000264		ug/L
	Cl	35	800	878	24	2.7	77.507119		ug/L
	C	13	2346	2616	38	1.4	270.073513		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
L>	Rh	103	102.788
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121137-BLK2
Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:16:44
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 139

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\B121137-BLK2.081
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	4	1	25.0	-0.000016	**-0.0077**	ug/L
|	Se	78	8	6	0	7.1	-0.000007	**-0.0864**	ug/L
|	Se	77	2	2	1	36.7	-0.000000	**0.0142**	ug/L
⌊>	Rh	103	414319	423873	4631	1.1	423873.209010		ug/L
	Br	79	5	40	10	25.0	35.000090		ug/L
	Cl	35	800	874	52	5.9	74.173541		ug/L
	C	13	2346	2655	59	2.2	309.251610		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	102.306
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121137-BLK3
Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:18:13
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 140

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\B121137-BLK3.082
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	6	3	39.7	-0.000009	**0.0013**	ug/L
|	Se	78	8	6	0	7.4	-0.000006	**-0.0630**	ug/L
|	Se	77	2	2	0	21.7	-0.000000	**0.0159**	ug/L
⌊>	Rh	103	414319	405390	8333	2.1	405389.829482		ug/L
	Br	79	5	43	5	11.8	37.500099		ug/L
	Cl	35	800	865	18	2.1	65.005912		ug/L
	C	13	2346	2580	90	3.5	234.230179		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	97.845
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121137-BLK4
Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:19:41
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 141

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\B121137-BLK4.083
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	6	3	44.4	-0.000009	**0.0010**	ug/L
|	Se	78	8	7	0	2.1	-0.000001	**0.0036**	ug/L
|	Se	77	2	2	0	13.9	0.000001	**0.0632**	ug/L
L>	Rh	103	414319	357681	51211	14.3	357680.675103		ug/L
	Br	79	5	38	19	50.7	33.333426		ug/L
	Cl	35	800	802	25	3.1	1.666784		ug/L
	C	13	2346	2245	305	13.6	-100.855624		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
L>	Rh	103	86.330
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121137-BS1
Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:21:10
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 142

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\B121137-BS1.084
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	3381	57	1.7	0.008637	**12.4322**	ug/L
|	Se	78	8	539	22	4.1	0.001363	**19.4342**	ug/L
|	Se	77	2	164	3	1.8	0.000415	**19.1697**	ug/L
⌊>	Rh	103	414319	390321	7401	1.9	390320.886321		ug/L
	Br	79	5	28	7	24.1	22.500042		ug/L
	Cl	35	800	844	30	3.5	44.170641		ug/L
	C	13	2346	2550	150	5.9	203.388677		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	94.208
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121137-SRM1
Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:22:38
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 143

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\B121137-SRM1.085
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	10490	148	1.4	0.027139	**39.0335**	ug/L
|	Se	78	8	570	5	1.0	0.001455	**20.7427**	ug/L
|	Se	77	2	171	11	6.2	0.000439	**20.2552**	ug/L
L>	Rh	103	414319	386226	5542	1.4	386226.466019		ug/L
	Br	79	5	366	35	9.6	360.840738		ug/L
	Cl	35	800	853	13	1.5	52.504725		ug/L
	C	13	2346	2417	44	1.8	70.851729		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
L>	Rh	103	93.220
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121137-SRM2
Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:24:07
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 144

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\B121137-SRM2.086
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	36701	443	1.2	0.092541	**133.0668**	ug/L
|	Se	78	8	1008	26	2.5	0.002522	**35.9566**	ug/L
|	Se	77	2	310	7	2.3	0.000776	**35.8214**	ug/L
⌊>	Rh	103	414319	396495	5478	1.4	396494.605991		ug/L
	Br	79	5	1117	82	7.4	1111.735500		ug/L
	Cl	35	800	913	54	5.9	113.344070		ug/L
	C	13	2346	2589	79	3.1	242.565818		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	95.698
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1227006-01
Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:25:35
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 145

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\1227006-01.087
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	280129	3672	1.3	0.672755	**967.2775**	ug/L
|	Se	78	8	70	1	1.7	0.000148	**2.1249**	ug/L
|	Se	77	2	21	2	10.0	0.000046	**2.1494**	ug/L
⌊>	Rh	103	414319	416370	4122	1.0	416369.617004		ug/L
	Br	79	5	56	26	45.7	50.833527		ug/L
	Cl	35	800	858	29	3.4	57.505222		ug/L
	C	13	2346	2662	45	1.7	315.920175		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	100.495
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV8
Sample Description:
Batch ID:

Sample Date/Time: Thursday, July 19, 2012 14:27:06
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CCV8.088
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	14092	450	3.2	0.034483	**4.9593**	ug/L
|	Se	78	8	1420	24	1.7	0.003459	**4.9303**	ug/L
|	Se	77	2	426	13	3.1	0.001039	**4.7944**	ug/L
⌊>	Rh	103	414319	408321	8698	2.1	408321.120060		ug/L
	Br	79	5	18	3	14.3	12.500015		ug/L
	Cl	35	800	868	55	6.3	68.339662		ug/L
	C	13	2346	2670	36	1.4	324.255927		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.552
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB8

Sample Description:
Batch ID:

Sample Date/Time: Thursday, July 19, 2012 14:28:36
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CCB8.089
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	17	3	17.3	0.000016	**0.0038**	ug/L
|	Se	78	8	9	2	19.8	0.000002	**0.0050**	ug/L
|	Se	77	2	3	1	50.6	0.000002	**0.0103**	ug/L
⌊>	Rh	103	414319	402785	1416	0.4	402784.631798		ug/L
	Br	79	5	10	3	25.0	5.000004		ug/L
	Cl	35	800	822	13	1.5	21.668553		ug/L
	C	13	2346	2650	87	3.3	304.250301		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	97.216
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-03
Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:30:07
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 146

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\1225015-03.090
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	2349	61	2.6	0.005851	**8.4270**	ug/L
|	Se	78	8	65	5	7.1	0.000144	**2.0613**	ug/L
|	Se	77	2	21	1	5.3	0.000047	**2.1814**	ug/L
⌊>	Rh	103	414319	399819	3205	0.8	399819.048716		ug/L
	Br	79	5	289	19	6.6	284.171277		ug/L
	Cl	35	800	895	63	7.0	95.008950		ug/L
	C	13	2346	2516	52	2.1	170.045330		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	96.500
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121137-DUP1

Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:31:36
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 147

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\B121137-DUP1.091
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	2310	62	2.7	0.005985	**8.6194**	ug/L
|	Se	78	8	69	4	5.1	0.000160	**2.2971**	ug/L
|	Se	77	2	22	5	21.8	0.000053	**2.4733**	ug/L
⌊>	Rh	103	414319	384265	5295	1.4	384264.988768		ug/L
	Br	79	5	327	1	0.4	321.672534		ug/L
	Cl	35	800	866	66	7.7	65.839474		ug/L
	C	13	2346	2332	26	1.1	-14.170523		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	92.746
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121137-MS1
Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:33:04
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 148

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\B121137-MS1.092
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	6269	138	2.2	0.016135	**23.2137**	ug/L
|	Se	78	8	638	12	1.9	0.001625	**23.1762**	ug/L
|	Se	77	2	194	12	6.1	0.000495	**22.8382**	ug/L
⌊>	Rh	103	414319	387904	3676	0.9	387904.258228		ug/L
	Br	79	5	411	12	2.9	405.842620		ug/L
	Cl	35	800	910	55	6.0	110.010404		ug/L
	C	13	2346	2396	18	0.7	50.012819		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	93.624
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121137-MSD1

Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:34:33
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 149

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\B121137-MSD1.093
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	6502	24	0.4	0.016704	**24.0317**	ug/L
|	Se	78	8	637	13	2.0	0.001618	**23.0695**	ug/L
|	Se	77	2	197	6	3.1	0.000501	**23.1407**	ug/L
L>	Rh	103	414319	388657	366	0.1	388657.465944		ug/L
	Br	79	5	404	16	4.0	399.175659		ug/L
	Cl	35	800	861	89	10.4	60.839130		ug/L
	C	13	2346	2281	110	4.8	-65.016332		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
L>	Rh	103	93.806
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-04
Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:36:01
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 150

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\1225015-04.094
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	4005	47	1.2	0.010119	**14.5637**	ug/L
|	Se	78	8	52	2	3.1	0.000110	**1.5891**	ug/L
|	Se	77	2	16	3	18.2	0.000037	**1.7060**	ug/L
⌊>	Rh	103	414319	394838	3144	0.8	394838.278852		ug/L
	Br	79	5	707	39	5.6	701.694188		ug/L
	Cl	35	800	873	24	2.7	73.340051		ug/L
	C	13	2346	2331	108	4.6	-15.003667		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	95.298
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-05
Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:37:30
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 151

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\1225015-05.095
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	3218	116	3.6	0.008062	**11.6062**	ug/L
|	Se	78	8	81	5	6.0	0.000183	**2.6196**	ug/L
|	Se	77	2	22	1	3.6	0.000051	**2.3868**	ug/L
L>	Rh	103	414319	397790	4463	1.1	397789.875560		ug/L
	Br	79	5	763	27	3.5	757.532004		ug/L
	Cl	35	800	818	70	8.5	18.335092		ug/L
	C	13	2346	2242	169	7.5	-104.192145		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
L>	Rh	103	96.010
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV9

Sample Description:
Batch ID:

Sample Date/Time: Thursday, July 19, 2012 14:39:00
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CCV9.096
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	15227	194	1.3	0.036547	**5.2560**	ug/L
|	Se	78	8	1557	34	2.2	0.003719	**5.3009**	ug/L
|	Se	77	2	479	13	2.7	0.001146	**5.2857**	ug/L
L>	Rh	103	414319	416385	6309	1.5	416385.257489		ug/L
	Br	79	5	27	11	42.3	21.666709		ug/L
	Cl	35	800	888	50	5.6	88.341575		ug/L
	C	13	2346	2334	60	2.6	-12.503322		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
L>	Rh	103	100.499
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB9

Sample Description:
Batch ID:

Sample Date/Time: Thursday, July 19, 2012 14:40:30
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CCB9.097
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	122	195	159.0	0.000272	**0.0406**	ug/L
|	Se	78	8	9	1	13.3	0.000003	**0.0052**	ug/L
|	Se	77	2	3	1	34.6	0.000001	**0.0067**	ug/L
⌊>	Rh	103	414319	413972	11063	2.7	413971.517109		ug/L
	Br	79	5	18	14	79.5	12.500022		ug/L
	Cl	35	800	863	34	4.0	63.339119		ug/L
	C	13	2346	2380	48	2.0	34.175397		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	99.916
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-06
Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:42:00
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 152

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\1225015-06.098
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	1962	27	1.4	0.004964	**7.1510**	ug/L
|	Se	78	8	35	0	1.1	0.000069	**1.0052**	ug/L
|	Se	77	2	12	1	4.4	0.000025	**1.1751**	ug/L
⌊>	Rh	103	414319	393435	5666	1.4	393435.131775		ug/L
	Br	79	5	646	21	3.2	640.856289		ug/L
	Cl	35	800	794	46	5.9	-5.833818		ug/L
	C	13	2346	2235	57	2.5	-110.861380		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	94.959
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-07
Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:43:29
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 153

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\1225015-07.099
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	1927	14	0.7	0.004688	**6.7548**	ug/L
|	Se	78	8	44	0	1.1	0.000087	**1.2498**	ug/L
|	Se	77	2	13	0	3.3	0.000027	**1.2825**	ug/L
⌊>	Rh	103	414319	408892	3612	0.9	408892.131542		ug/L
	Br	79	5	395	40	10.2	390.008639		ug/L
	Cl	35	800	799	75	9.4	-0.833252		ug/L
	C	13	2346	2213	108	4.9	-133.366573		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	98.690
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-08
Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:44:57
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 154

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\1225015-08.100
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	4132	169	4.1	0.009608	**13.8287**	ug/L
|	Se	78	8	91	3	3.3	0.000191	**2.7398**	ug/L
|	Se	77	2	29	4	14.4	0.000063	**2.9379**	ug/L
⌊>	Rh	103	414319	428860	7390	1.7	428860.259178		ug/L
	Br	79	5	542	15	2.7	536.682811		ug/L
	Cl	35	800	829	79	9.5	29.169458		ug/L
	C	13	2346	2418	110	4.5	71.685654		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	103.510
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-09
Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:46:26
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 155

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\1225015-09.101
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	1445	48	3.3	0.003502	**5.0492**	ug/L
|	Se	78	8	31	1	4.3	0.000056	**0.8180**	ug/L
|	Se	77	2	10	2	22.0	0.000019	**0.8768**	ug/L
L>	Rh	103	414319	409819	3298	0.8	409819.095329		ug/L
	Br	79	5	780	37	4.7	775.033512		ug/L
	Cl	35	800	808	35	4.3	8.334063		ug/L
	C	13	2346	2207	57	2.6	-139.201633		ug/L

Int Std % Recovery

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

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-10
Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:47:54
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 156

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\1225015-10.102
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	1694	21	1.3	0.004008	**5.7766**	ug/L
|	Se	78	8	40	4	8.9	0.000074	**1.0672**	ug/L
|	Se	77	2	12	0	2.4	0.000024	**1.1140**	ug/L
⌊>	Rh	103	414319	420244	4805	1.1	420243.788661		ug/L
	Br	79	5	484	26	5.3	479.179582		ug/L
	Cl	35	800	882	67	7.6	81.674331		ug/L
	C	13	2346	2224	39	1.8	-122.530970		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	101.430
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1225015-15
Sample Description: 10x
Batch ID: B121137

Sample Date/Time: Thursday, July 19, 2012 14:49:23
Diluted To Volume (mL): 5.00
Aliquot Volume (mL): 0.5
Autosampler Position: 157

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\1225015-15.103
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	2510	62	2.5	0.005905	**8.5042**	ug/L
|	Se	78	8	53	3	5.7	0.000104	**1.4992**	ug/L
|	Se	77	2	18	3	14.3	0.000036	**1.7027**	ug/L
L>	Rh	103	414319	423406	12883	3.0	423406.303105		ug/L
	Br	79	5	542	26	4.8	536.682828		ug/L
	Cl	35	800	874	25	2.9	74.173467		ug/L
	C	13	2346	2256	112	5.0	-90.022557		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
L>	Rh	103	102.193
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVA

Sample Description:
Batch ID:

Sample Date/Time: Thursday, July 19, 2012 14:50:54
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CCVA.104
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	15773	136	0.9	0.036616	**5.2660**	ug/L
|	Se	78	8	1646	8	0.5	0.003803	**5.4206**	ug/L
|	Se	77	2	503	3	0.6	0.001164	**5.3671**	ug/L
⌊>	Rh	103	414319	430468	1223	0.3	430467.635441		ug/L
	Br	79	5	34	4	11.2	29.166730		ug/L
	Cl	35	800	904	28	3.0	104.176406		ug/L
	C	13	2346	2309	100	4.3	-36.675928		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	103.898
	Br	79	
	Cl	35	
	C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBA

Sample Description:
Batch ID:

Sample Date/Time: Thursday, July 19, 2012 14:52:24
Diluted To Volume (mL):
Aliquot Volume (mL):
Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\7-12\1200550.sam
Method File: C:\Elandata\Method\2012\7-12\1200550-0062-ICPMS2-MEL.mth
Dataset File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-CCBA.105
Calibration File: C:\Elandata\System\2012\7-12\1200550.cal
Blank File: C:\Elandata\DataSet\Data\2012\7-12\1200550\SEQ-ICB1.017

Concentration Results

	Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	**Conc Mean**	Sample Unit
⌈	AsO	91	10	8	3	37.7	-0.000007	**0.0005**	ug/L
|	Se	78	8	10	2	19.6	0.000004	**0.0069**	ug/L
|	Se	77	2	3	1	36.6	0.000002	**0.0123**	ug/L
⌊>	Rh	103	414319	424045	909	0.2	424045.254719		ug/L
	Br	79	5	17	9	56.8	11.666684		ug/L
	Cl	35	800	903	21	2.4	103.342979		ug/L
	C	13	2346	2378	56	2.4	31.674776		ug/L

Int Std % Recovery

	Analyte	Mass	Int Std % Recovery
⌈	AsO	91	
|	Se	78	
|	Se	77	
⌊>	Rh	103	102.347
	Br	79	
	Cl	35	
	C	13	