

Report of Trace Metals Analyses Water & Biota

Project: Great Salt Lake Water Quality Sampling Plan
Samples Collected: October 29 – November 2, 2012
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Case Narrative

Shipping and Receiving

On November 6, 2012, Brooks Rand Labs (BRL) received eight (8) brine shrimp, seventeen (17) Great Salt Lake water, and one (1) field blank sample at 8:50 A.M. Three coolers were received at temperatures ranging from -0.4 to -0.5 °C. The brine shrimp samples were logged-in for the contracted analyses of mercury (Hg) and trace metals [arsenic (As), cadmium (Cd), copper (Cu), lead (Pb), selenium (Se), and thallium (Tl)]. The Great Salt Lake water samples were logged-in for Hg, monomethyl mercury (MeHg), and trace metals [As, Cd, Cu, Pb, Se, and Tl]. 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 1200884

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

Batch B122125

All data was reported without qualification and all 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. Sample results were reported on a ng/g dry-weight basis.

Sequence 1200906

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

Batch B122171

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 1200887

The analysis of continuing calibration blank CCB2 was greater than the low calibration standard. This was likely carryover from the previous analysis of the independent calibration verification standard ICV1. No further evidence of contamination was observed throughout the analysis and no client samples were bracketed by CCB2.

Several instrument peaks were manually integrated. These were reviewed and approved by BRL's Quality Assurance Department. The corrected peaks printouts were included before the *Analysis Benchsheet*.

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

Batch B122127

Twice the amount of buffering solution was added to samples as the pHs required further adjustment.

The results of matrix spike/matrix spike duplicate MS2/MSD2 were slightly over the high calibration standard (less than 2x). The recoveries of the MS/MSD set were excellent and there were no signs of carryover. No further corrective action was warranted.

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

Sequence 1200901

The instrument disconnected after CCB3. After instrument was reconnected, three rinses were analyzed and the analysis was restarted at CCB4. The original *Analysis Benchsheet*, with the hand written analyzed volume, was included along with the typed benchsheet listing the correct analysis run numbers.

The analysis of continuing calibration blanks CCB1 and CCB2 returned detectable results due to carryover. However, no sample results were bracketed and no further corrective action was necessary.

Several instrument peaks were manually integrated. These were reviewed and approved by BRL's Quality Assurance Department. The corrected peaks printouts were included before the *Analysis Benchsheet*.

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

Batch B122151

All data was reported without qualification, aside from concentration qualifiers, 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) HNO₃. 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.

When the native sample concentration was a non-detect (reported as ND) and/or the corresponding method duplicate (DUP) was also a non-detect, the relative percent difference (RPD) was reported as 'N/C'.

The recoveries of the matrix spike or matrix spike duplicates (MS/MSD) were not reported (NR) when spiked at a concentration less than 25% of the native sample value.

Sequence 1200959 (Column Chelation)

The CAL1 recovered outside of acceptance criteria for all reported analytes. The batch MRLs were adjusted accordingly.

The Cu result of the initial calibration blank (ICB2) was greater than the low calibration standard. No client samples were bracketed and no further corrective action was warranted.

The Cu analysis of continuing calibration verification standard CCV8 recovered at 141%, not within the acceptance criteria range. No client samples reported from this work order were bracketed by CCV8 and all other CCV's met the acceptance criteria.

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

Batch B122114

The SRM SLEW-3 was not reported for Pb and CASS-5 was not certified for Cd and Pb.

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

Sequence 1200911 (RP)

The calibration standard (CAL1) recovered outside of acceptance criteria for Se analysis and was not used in the calibration; however reporting limit did not need to be elevated.

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

Batch B122318

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

Quality control sample MS5 is seawater samples collected in Puget Sound and spiked with analytes of a known concentration.

The As analysis of MS2 performed on sample *GSL 2767 UBL* (1245005-19) recovered at 67%, less than the lower limit of the acceptance criteria range. However, the MS (and MSD) were spiked at a level approximately half of the native sample concentration. Therefore, the recoveries were not considered valid indications of accuracy and no sample results were qualified on this basis.

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

Sequence 1200980 (Column Chelation)

The CAL7 recovered outside of acceptance criteria for Pb and was not used in the calibration curve.

The Pb analysis of continuing calibration verification, -CCV8, recovered outside of criteria. Additionally, Cd and Pb analysis of -CCV9 and -CCVA also recovered outside of criteria. No samples were bracketed by these CCVs and no further corrective action was warranted.

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

Batch B122439

The Cd analysis of the MS2 performed on sample *GSL 2767 UBL* (1245005-19) recovered at 66%, while the associated MSD2 recovered at 120%. The large discrepancies in recoveries caused the RPD of the QC set to be 58%. Similarly the MS recovered at 76% when analyzed for Pb, but the MSD2 recovery was 149% and the RPD between the two was 64%. The sample result was consequently qualified **M** and **N** for inaccuracy and imprecision for both the Cd & Pb analyses.

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

Sequence 1300016 (Column Chelation)

The Cu analysis of initial calibration blank ICB2 produced a result greater than CAL1. However, no client samples were bracketed and no further corrective action is warranted.

Worth noting the results of CCB2, CCB5, and CCB6 were less than 10x the concentration of the MDL and were not reflective of contamination.

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

Batch B130014

The analysis of –CCV2, -CCV3, and –CCV4 recovers outside of acceptance criteria. No samples are bracketed by –CCV2 and –CCV3; however, batch quality control (DUP/MS/MSD) samples were bracketed by –CCV4. Following analysis of –CCV4, the batch method blanks were analyzed and produced non-detectable results, demonstrating any possible contamination which could have caused the elevated CCVs recoveries was successfully rinsed out of the system. Following the analysis of the method blanks, sample *GSL 2767 UBL* (1245005-19) was analyzed. The reported result confirmed the two previous (not reported) analyses of this sample. No re-analyses were performed.

The Cu result of the initial calibration blank (ICB2) was greater than the low calibration standard. No client samples were bracketed and no further corrective action was warranted.

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

Trace Metals EPA Method 1638 modified (BR-0070)

Analysis is performed by EPA Draft Method 1638 (modified) using inductively coupled plasma - mass spectrometry (ICP-MS) with Dynamic Reaction Cell (DRC™) technology for the As and Se analyses. All other analytes were analyzed in standard mode ICP-MS. Prior to analysis, 0.5 mg aliquots of the samples are digested with 10 mL ultra-pure nitric acid and 100 µL hydrogen peroxide and heating for a minimum of four hours at 100 °C. Aliquots of digested sample are analyzed utilizing internal standardization. This method incorporates ionization of the sample in an inductively-coupled RF plasma, with detection of the resulting ions by mass spectrometer on the basis of their mass-to-charge ratio. The sample results were reported on mg/kg dry-weight basis.

Sequence 1200890

The As & Se analysis of ICB2 was elevated. This was likely carryover from the high calibration standard CAL8. Additionally ICB3 was elevated for Se only and was also attributed to carryover from the independent calibration verification standard (ICV1). No samples were bracketed by either analysis and no corrective action was necessary.

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

Batch B122118

The RPD of DUP2 performed on sample *GSL 2267* (1245005-01) was 40% and the sample result was qualified **M** for duplicate imprecision.

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

Sequence 1200911

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

Batch B122316

The Pb analysis of standard reference material DORM-3 recovered low at 53%. The recovery was in-line with historical recoveries however and TORT-2 (a lobster hepatopancreas) recovered very well at 89%. As all other QC samples met the acceptance criteria no qualification of the data was deemed necessary.

The RPD of DUP2 performed on sample *GSL 2267* (1245005-01) was 33%; however, the secondary acceptance criteria was met as both results were less than 5x the MRL and the difference between the two was within 2x the MRL value of each other.

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

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

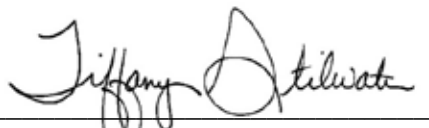
A solid sample is homogenized and an aliquot is measured into a pre-weighed vessel, dried in an oven overnight, weighed again, and the percent of dried solid material is calculated.

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 B122172

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

We certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. BRL, an accredited laboratory, certifies that the reported results of all analyses for which BRL is NELAP accredited meet all NELAP requirements. For more details, please see the *Report Information* page in your report. Please feel free to contact us if you have any questions regarding this report.



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Report Information

Laboratory Accreditation

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

Field Quality Control Samples

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

Common Abbreviations

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

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.



Sample Information

Sample	Lab ID	Report Matrix	Type	Sampled	Received
GSL 2267	1245005-01	Brine Shrimp	Sample	10/29/2012	11/06/2012
GSL @ Farm Bay N1018	1245005-02	Brine Shrimp	Sample	10/29/2012	11/06/2012
GSL 2565	1245005-03	Brine Shrimp	Sample	10/30/2012	11/06/2012
GSL 2820	1245005-04	Brine Shrimp	Sample	10/30/2012	11/06/2012
GSL 2767	1245005-05	Brine Shrimp	Sample	10/30/2012	11/06/2012
GSL 4069	1245005-06	Brine Shrimp	Sample	10/31/2012	11/06/2012
GSL 3510	1245005-07	Brine Shrimp	Sample	11/02/2012	11/06/2012
GSL 2267 UBL	1245005-08	Brine Shrimp	Sample	11/02/2012	11/06/2012
GSL 2267 DBL	1245005-09	Great Salt Lake	Sample	10/29/2012	11/06/2012
GSL @ Farm Bay UBL	1245005-10	Great Salt Lake	Sample	10/29/2012	11/06/2012
GSL @ Farm Bay DBL	1245005-11	Great Salt Lake	Sample	10/29/2012	11/06/2012
N1018 UBL	1245005-12	Great Salt Lake	Sample	10/29/2012	11/06/2012
N1018 DBL	1245005-13	Great Salt Lake	Sample	10/30/2012	11/06/2012
GSL 2565 UBL	1245005-14	Great Salt Lake	Sample	10/30/2012	11/06/2012
GSL 2565 DBL	1245005-15	Great Salt Lake	Sample	10/30/2012	11/06/2012
GSL 2820 UBL	1245005-16	Great Salt Lake	Sample	10/30/2012	11/06/2012
GSL 2820 DBL	1245005-17	Great Salt Lake	Sample	10/30/2012	11/06/2012
GSL 2767 UBL	1245005-18	Great Salt Lake	Sample	10/30/2012	11/06/2012
GSL 2767 DBL	1245005-19	Great Salt Lake	Sample	10/31/2012	11/06/2012
GSL 4069 UBL	1245005-20	Great Salt Lake	Sample	10/31/2012	11/06/2012
GSL 4069 DBL	1245005-21	Great Salt Lake	Sample	11/02/2012	11/06/2012
GSL 3510 UBL	1245005-22	Great Salt Lake	Sample	11/02/2012	11/06/2012
GSL 3510 DBL	1245005-23	Great Salt Lake	Sample	11/02/2012	11/06/2012
GSL 4069 UBL (2)	1245005-24	Great Salt Lake	Sample	11/02/2012	11/06/2012
GSL 4069 FB	1245005-25	Great Salt Lake	Sample	11/02/2012	11/06/2012
	1245005-26	DIW	Field Blank	11/02/2012	11/06/2012



Batch Summary

Analyte	Lab Matrix	Method	Prepared	Analyzed	Batch	Sequence
%TS	Biota	SM 2540G	12/05/2012	12/10/2012	B122172	N/A
As	Biota	EPA 1638 DRC	11/26/2012	11/28/2012	B122118	1200890
Cd	Biota	EPA 1638	12/08/2012	12/08/2012	B122316	1200911
Cu	Biota	EPA 1638	12/08/2012	12/08/2012	B122316	1200911
Hg	Biota	EPA 1631 Appendix	12/05/2012	12/06/2012	B122171	1200906
Pb	Biota	EPA 1638	12/08/2012	12/08/2012	B122316	1200911
Se	Biota	EPA 1638 DRC	11/26/2012	11/28/2012	B122118	1200890
Tl	Biota	EPA 1638	12/08/2012	12/08/2012	B122316	1200911
As	Water	EPA 1640 RP	12/08/2012	12/08/2012	B122318	1200911
Cd	Water	EPA 1640 Column	11/20/2012	12/23/2012	B122114	1200959
Cd	Water	EPA 1640 Column	11/20/2012	12/31/2012	B122439	1200980
Cu	Water	EPA 1640 Column	11/20/2012	12/23/2012	B122114	1200959
Cu	Water	EPA 1640 Column	11/20/2012	01/06/2013	B130014	1300016
Hg	Water	EPA 1631	11/20/2012	11/26/2012	B122125	1200884
MeHg	Water	EPA 1630	11/27/2012	11/28/2012	B122127	1200887
MeHg	Water	EPA 1630	12/04/2012	12/05/2012	B122151	1200901
Pb	Water	EPA 1640 Column	11/20/2012	12/23/2012	B122114	1200959
Pb	Water	EPA 1640 Column	11/20/2012	12/31/2012	B122439	1200980
Se	Water	EPA 1640 RP	12/08/2012	12/08/2012	B122318	1200911
Tl	Water	EPA 1640 RP	12/08/2012	12/08/2012	B122318	1200911



Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
GSL @ Farm Bay										
1245005-02	%TS	Brine Shrimp	NA	6.22		0.13	0.44	%	B122172	N/A
1245005-02	As	Brine Shrimp	dry	14.4		0.197	0.564	mg/kg	B122118	1200890
1245005-02	Cd	Brine Shrimp	dry	0.253	B	0.099	0.282	mg/kg	B122316	1200911
1245005-02	Cu	Brine Shrimp	dry	9.52		0.42	2.26	mg/kg	B122316	1200911
1245005-02	Hg	Brine Shrimp	dry	69.0		1.72	5.74	ng/g	B122171	1200906
1245005-02	Pb	Brine Shrimp	dry	1.22		0.056	0.564	mg/kg	B122316	1200911
1245005-02	Se	Brine Shrimp	dry	1.61	B	0.85	2.11	mg/kg	B122118	1200890
1245005-02	TI	Brine Shrimp	dry	0.028	U	0.028	0.113	mg/kg	B122316	1200911
GSL @ Farm Bay DBL										
1245005-12	As	Great Salt Lake	T	100		0.15	0.50	µg/L	B122318	1200911
1245005-12	Cd	Great Salt Lake	T	0.0306	B	0.0202	0.202	µg/L	B122114	1200959
1245005-12	Cu	Great Salt Lake	T	1.69		0.0404	0.202	µg/L	B122114	1200959
1245005-12	Hg	Great Salt Lake	T	8.56		0.15	0.41	ng/L	B122125	1200884
1245005-12	MeHg	Great Salt Lake	T	1.74		0.098	0.245	ng/L	B122127	1200887
1245005-12	Pb	Great Salt Lake	T	1.06		0.0202	0.202	µg/L	B122114	1200959
1245005-12	Se	Great Salt Lake	T	0.347	U	0.347	1.04	µg/L	B122318	1200911
1245005-12	TI	Great Salt Lake	T	0.040	B	0.010	0.050	µg/L	B122318	1200911
GSL @ Farm Bay UBL										
1245005-11	As	Great Salt Lake	T	48.4		0.15	0.49	µg/L	B122318	1200911
1245005-11	Cd	Great Salt Lake	T	0.0202	U	0.0202	0.202	µg/L	B122114	1200959
1245005-11	Cu	Great Salt Lake	T	1.56		0.0404	0.202	µg/L	B122114	1200959
1245005-11	Hg	Great Salt Lake	T	3.12		0.15	0.39	ng/L	B122125	1200884
1245005-11	MeHg	Great Salt Lake	T	0.543		0.100	0.251	ng/L	B122127	1200887
1245005-11	Pb	Great Salt Lake	T	0.439		0.0202	0.202	µg/L	B122114	1200959
1245005-11	Se	Great Salt Lake	T	0.602	B	0.345	1.03	µg/L	B122318	1200911
1245005-11	TI	Great Salt Lake	T	0.010	U	0.010	0.049	µg/L	B122318	1200911



Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
GSL 2267										
1245005-01	%TS	Brine Shrimp	NA	11.62		0.13	0.44	%	B122172	N/A
1245005-01	As	Brine Shrimp	dry	8.39	M	0.107	0.307	mg/kg	B122118	1200890
1245005-01	Cd	Brine Shrimp	dry	0.072	B	0.054	0.153	mg/kg	B122316	1200911
1245005-01	Cu	Brine Shrimp	dry	4.03		0.23	1.23	mg/kg	B122316	1200911
1245005-01	Hg	Brine Shrimp	dry	27.3		1.07	3.56	ng/g	B122171	1200906
1245005-01	Pb	Brine Shrimp	dry	0.364		0.031	0.307	mg/kg	B122316	1200911
1245005-01	Se	Brine Shrimp	dry	0.46	U	0.46	1.15	mg/kg	B122118	1200890
1245005-01	TI	Brine Shrimp	dry	0.015	U	0.015	0.061	mg/kg	B122316	1200911
GSL 2267 DBL										
1245005-10	As	Great Salt Lake	T	102		0.15	0.50	µg/L	B122318	1200911
1245005-10	Cd	Great Salt Lake	T	0.0318	B	0.0202	0.202	µg/L	B122114	1200959
1245005-10	Cu	Great Salt Lake	T	1.66		0.0404	0.202	µg/L	B122114	1200959
1245005-10	Hg	Great Salt Lake	T	3.74		0.15	0.41	ng/L	B122125	1200884
1245005-10	MeHg	Great Salt Lake	T	0.826		0.091	0.226	ng/L	B122127	1200887
1245005-10	Pb	Great Salt Lake	T	0.931		0.0202	0.202	µg/L	B122114	1200959
1245005-10	Se	Great Salt Lake	T	0.488	B	0.347	1.04	µg/L	B122318	1200911
1245005-10	TI	Great Salt Lake	T	0.034	B	0.010	0.050	µg/L	B122318	1200911
GSL 2267 UBL										
1245005-09	As	Great Salt Lake	T	92.4		0.15	0.50	µg/L	B122318	1200911
1245005-09	Cd	Great Salt Lake	T	0.0282	B	0.0202	0.202	µg/L	B122114	1200959
1245005-09	Cu	Great Salt Lake	T	1.80		0.0404	0.202	µg/L	B122114	1200959
1245005-09	Hg	Great Salt Lake	T	3.75		0.16	0.41	ng/L	B122125	1200884
1245005-09	MeHg	Great Salt Lake	T	0.409		0.096	0.240	ng/L	B122127	1200887
1245005-09	Pb	Great Salt Lake	T	1.03		0.0202	0.202	µg/L	B122114	1200959
1245005-09	Se	Great Salt Lake	T	0.348	U	0.348	1.04	µg/L	B122318	1200911
1245005-09	TI	Great Salt Lake	T	0.036	B	0.010	0.050	µg/L	B122318	1200911



Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
GSL 2565										
1245005-04	%TS	Brine Shrimp	NA	14.33		0.13	0.44	%	B122172	N/A
1245005-04	As	Brine Shrimp	dry	6.53		0.099	0.283	mg/kg	B122118	1200890
1245005-04	Cd	Brine Shrimp	dry	0.118	B	0.050	0.142	mg/kg	B122316	1200911
1245005-04	Cu	Brine Shrimp	dry	4.72		0.21	1.13	mg/kg	B122316	1200911
1245005-04	Hg	Brine Shrimp	dry	93.9		0.76	2.55	ng/g	B122171	1200906
1245005-04	Pb	Brine Shrimp	dry	0.207	B	0.028	0.283	mg/kg	B122316	1200911
1245005-04	Se	Brine Shrimp	dry	0.91	B	0.42	1.06	mg/kg	B122118	1200890
1245005-04	TI	Brine Shrimp	dry	0.014	U	0.014	0.057	mg/kg	B122316	1200911
GSL 2565 DBL										
1245005-16	As	Great Salt Lake	T	119		0.15	0.50	µg/L	B122318	1200911
1245005-16	Cd	Great Salt Lake	T	0.161	B	0.0202	0.202	µg/L	B122114	1200959
1245005-16	Cu	Great Salt Lake	T	0.175	B	0.0404	0.202	µg/L	B122114	1200959
1245005-16	Hg	Great Salt Lake	T	2.63		0.15	0.41	ng/L	B122125	1200884
1245005-16	MeHg	Great Salt Lake	T	14.2		0.097	0.243	ng/L	B122127	1200887
1245005-16	Pb	Great Salt Lake	T	4.18		0.0202	0.202	µg/L	B122114	1200959
1245005-16	Se	Great Salt Lake	T	0.348	U	0.348	1.04	µg/L	B122318	1200911
1245005-16	TI	Great Salt Lake	T	0.038	B	0.010	0.050	µg/L	B122318	1200911
GSL 2565 UBL										
1245005-15	As	Great Salt Lake	T	94.5		0.15	0.50	µg/L	B122318	1200911
1245005-15	Cd	Great Salt Lake	T	0.0281	B	0.0202	0.202	µg/L	B122114	1200959
1245005-15	Cu	Great Salt Lake	T	1.54		0.0404	0.202	µg/L	B122114	1200959
1245005-15	Hg	Great Salt Lake	T	3.00		0.15	0.39	ng/L	B122125	1200884
1245005-15	MeHg	Great Salt Lake	T	0.461		0.098	0.245	ng/L	B122127	1200887
1245005-15	Pb	Great Salt Lake	T	0.926		0.0202	0.202	µg/L	B122114	1200959
1245005-15	Se	Great Salt Lake	T	0.347	U	0.347	1.04	µg/L	B122318	1200911
1245005-15	TI	Great Salt Lake	T	0.037	B	0.010	0.050	µg/L	B122318	1200911



Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
GSL 2767										
1245005-06	%TS	Brine Shrimp	NA	13.06		0.13	0.44	%	B122172	N/A
1245005-06	As	Brine Shrimp	dry	4.56		0.101	0.288	mg/kg	B122118	1200890
1245005-06	Cd	Brine Shrimp	dry	0.050	U	0.050	0.144	mg/kg	B122316	1200911
1245005-06	Cu	Brine Shrimp	dry	3.41		0.22	1.15	mg/kg	B122316	1200911
1245005-06	Hg	Brine Shrimp	dry	14.9		0.92	3.06	ng/g	B122171	1200906
1245005-06	Pb	Brine Shrimp	dry	0.623		0.029	0.288	mg/kg	B122316	1200911
1245005-06	Se	Brine Shrimp	dry	0.43	U	0.43	1.08	mg/kg	B122118	1200890
1245005-06	TI	Brine Shrimp	dry	0.014	U	0.014	0.058	mg/kg	B122316	1200911
GSL 2767 DBL										
1245005-20	As	Great Salt Lake	T	86.7		0.15	0.49	µg/L	B122318	1200911
1245005-20	Cd	Great Salt Lake	T	0.0103	B	0.0101	0.101	µg/L	B122439	1200980
1245005-20	Cu	Great Salt Lake	T	1.73		0.0404	0.202	µg/L	B130014	1300016
1245005-20	Hg	Great Salt Lake	T	4.02		0.15	0.41	ng/L	B122125	1200884
1245005-20	MeHg	Great Salt Lake	T	0.736		0.094	0.234	ng/L	B122127	1200887
1245005-20	Pb	Great Salt Lake	T	1.26		0.0101	0.101	µg/L	B122439	1200980
1245005-20	Se	Great Salt Lake	T	0.418	B	0.344	1.03	µg/L	B122318	1200911
1245005-20	TI	Great Salt Lake	T	0.039	B	0.010	0.049	µg/L	B122318	1200911
GSL 2767 UBL										
1245005-19	As	Great Salt Lake	T	97.7		0.15	0.50	µg/L	B122318	1200911
1245005-19	Cd	Great Salt Lake	T	0.0101	M, N, U	0.0101	0.101	µg/L	B122439	1200980
1245005-19	Cu	Great Salt Lake	T	1.62		0.0404	0.202	µg/L	B130014	1300016
1245005-19	Hg	Great Salt Lake	T	3.95		0.15	0.39	ng/L	B122125	1200884
1245005-19	MeHg	Great Salt Lake	T	1.12		0.094	0.235	ng/L	B122127	1200887
1245005-19	Pb	Great Salt Lake	T	0.920	M, N	0.0101	0.101	µg/L	B122439	1200980
1245005-19	Se	Great Salt Lake	T	0.440	B	0.349	1.05	µg/L	B122318	1200911
1245005-19	TI	Great Salt Lake	T	0.037	B	0.010	0.050	µg/L	B122318	1200911



Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
GSL 2820										
1245005-05	%TS	Brine Shrimp	NA	14.55		0.13	0.44	%	B122172	N/A
1245005-05	As	Brine Shrimp	dry	6.22		0.094	0.267	mg/kg	B122118	1200890
1245005-05	Cd	Brine Shrimp	dry	0.084	B	0.047	0.134	mg/kg	B122316	1200911
1245005-05	Cu	Brine Shrimp	dry	4.39		0.20	1.07	mg/kg	B122316	1200911
1245005-05	Hg	Brine Shrimp	dry	142		0.79	2.65	ng/g	B122171	1200906
1245005-05	Pb	Brine Shrimp	dry	0.261	B	0.027	0.267	mg/kg	B122316	1200911
1245005-05	Se	Brine Shrimp	dry	0.97	B	0.40	1.00	mg/kg	B122118	1200890
1245005-05	TI	Brine Shrimp	dry	0.013	U	0.013	0.053	mg/kg	B122316	1200911
GSL 2820 DBL										
1245005-18	As	Great Salt Lake	T	101		0.15	0.50	µg/L	B122318	1200911
1245005-18	Cd	Great Salt Lake	T	0.0285	B	0.0202	0.202	µg/L	B122114	1200959
1245005-18	Cu	Great Salt Lake	T	1.45		0.0404	0.202	µg/L	B122114	1200959
1245005-18	Hg	Great Salt Lake	T	3.05		0.15	0.41	ng/L	B122125	1200884
1245005-18	MeHg	Great Salt Lake	T	1.20		0.097	0.242	ng/L	B122127	1200887
1245005-18	Pb	Great Salt Lake	T	0.875		0.0202	0.202	µg/L	B122114	1200959
1245005-18	Se	Great Salt Lake	T	0.362	B	0.349	1.05	µg/L	B122318	1200911
1245005-18	TI	Great Salt Lake	T	0.041	B	0.010	0.050	µg/L	B122318	1200911
GSL 2820 UBL										
1245005-17	As	Great Salt Lake	T	100		0.15	0.49	µg/L	B122318	1200911
1245005-17	Cd	Great Salt Lake	T	0.0291	B	0.0202	0.202	µg/L	B122114	1200959
1245005-17	Cu	Great Salt Lake	T	1.61		0.0404	0.202	µg/L	B122114	1200959
1245005-17	Hg	Great Salt Lake	T	3.79		0.15	0.39	ng/L	B122125	1200884
1245005-17	MeHg	Great Salt Lake	T	0.795		0.095	0.238	ng/L	B122127	1200887
1245005-17	Pb	Great Salt Lake	T	0.942		0.0202	0.202	µg/L	B122114	1200959
1245005-17	Se	Great Salt Lake	T	0.438	B	0.341	1.02	µg/L	B122318	1200911
1245005-17	TI	Great Salt Lake	T	0.037	B	0.010	0.049	µg/L	B122318	1200911



Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
GSL 3510										
1245005-08	%TS	Brine Shrimp	NA	15.38		0.13	0.44	%	B122172	N/A
1245005-08	As	Brine Shrimp	dry	12.2		0.084	0.239	mg/kg	B122118	1200890
1245005-08	Cd	Brine Shrimp	dry	0.159		0.042	0.120	mg/kg	B122316	1200911
1245005-08	Cu	Brine Shrimp	dry	7.84		0.18	0.96	mg/kg	B122316	1200911
1245005-08	Hg	Brine Shrimp	dry	102		0.74	2.47	ng/g	B122171	1200906
1245005-08	Pb	Brine Shrimp	dry	1.32		0.024	0.239	mg/kg	B122316	1200911
1245005-08	Se	Brine Shrimp	dry	1.38		0.36	0.90	mg/kg	B122118	1200890
1245005-08	TI	Brine Shrimp	dry	0.017	B	0.012	0.048	mg/kg	B122316	1200911
GSL 3510 DBL										
1245005-24	As	Great Salt Lake	T	157		0.15	0.49	µg/L	B122318	1200911
1245005-24	Cd	Great Salt Lake	T	0.273		0.0101	0.101	µg/L	B122439	1200980
1245005-24	Cu	Great Salt Lake	T	0.518		0.0404	0.202	µg/L	B130014	1300016
1245005-24	Hg	Great Salt Lake	T	5.86		0.16	0.42	ng/L	B122125	1200884
1245005-24	MeHg	Great Salt Lake	T	28.2		0.097	0.242	ng/L	B122127	1200887
1245005-24	Pb	Great Salt Lake	T	10.4		0.0101	0.101	µg/L	B122439	1200980
1245005-24	Se	Great Salt Lake	T	0.703	B	0.344	1.03	µg/L	B122318	1200911
1245005-24	TI	Great Salt Lake	T	0.059		0.010	0.049	µg/L	B122318	1200911
GSL 3510 UBL										
1245005-23	As	Great Salt Lake	T	98.0		0.15	0.49	µg/L	B122318	1200911
1245005-23	Cd	Great Salt Lake	T	0.0101	U	0.0101	0.101	µg/L	B122439	1200980
1245005-23	Cu	Great Salt Lake	T	1.77		0.0404	0.202	µg/L	B130014	1300016
1245005-23	Hg	Great Salt Lake	T	4.21		0.15	0.41	ng/L	B122125	1200884
1245005-23	MeHg	Great Salt Lake	T	0.658		0.099	0.247	ng/L	B122127	1200887
1245005-23	Pb	Great Salt Lake	T	1.31		0.0101	0.101	µg/L	B122439	1200980
1245005-23	Se	Great Salt Lake	T	0.504	B	0.346	1.04	µg/L	B122318	1200911
1245005-23	TI	Great Salt Lake	T	0.040	B	0.010	0.049	µg/L	B122318	1200911



Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
GSL 4069										
1245005-07	%TS	Brine Shrimp	NA	14.58		0.13	0.44	%	B122172	N/A
1245005-07	As	Brine Shrimp	dry	6.02		0.089	0.254	mg/kg	B122118	1200890
1245005-07	Cd	Brine Shrimp	dry	0.139		0.044	0.127	mg/kg	B122316	1200911
1245005-07	Cu	Brine Shrimp	dry	4.59		0.19	1.02	mg/kg	B122316	1200911
1245005-07	Hg	Brine Shrimp	dry	125		0.74	2.46	ng/g	B122171	1200906
1245005-07	Pb	Brine Shrimp	dry	3.98		0.025	0.254	mg/kg	B122316	1200911
1245005-07	Se	Brine Shrimp	dry	0.56	B	0.38	0.95	mg/kg	B122118	1200890
1245005-07	TI	Brine Shrimp	dry	0.013	U	0.013	0.051	mg/kg	B122316	1200911
GSL 4069 DBL										
1245005-22	As	Great Salt Lake	T	98.3		0.15	0.50	µg/L	B122318	1200911
1245005-22	Cd	Great Salt Lake	T	0.0101	U	0.0101	0.101	µg/L	B122439	1200980
1245005-22	Cu	Great Salt Lake	T	1.84		0.0404	0.202	µg/L	B130014	1300016
1245005-22	Hg	Great Salt Lake	T	3.75		0.15	0.40	ng/L	B122125	1200884
1245005-22	MeHg	Great Salt Lake	T	0.840		0.095	0.238	ng/L	B122127	1200887
1245005-22	Pb	Great Salt Lake	T	1.32		0.0101	0.101	µg/L	B122439	1200980
1245005-22	Se	Great Salt Lake	T	0.350	U	0.350	1.05	µg/L	B122318	1200911
1245005-22	TI	Great Salt Lake	T	0.037	B	0.010	0.050	µg/L	B122318	1200911
GSL 4069 FB										
1245005-26	As	DIW	T	0.15	U	0.15	0.50	µg/L	B122318	1200911
1245005-26	Cd	DIW	T	0.0020	U	0.0020	0.0202	µg/L	B122114	1200959
1245005-26	Cu	DIW	T	0.0094	B	0.0040	0.0202	µg/L	B122114	1200959
1245005-26	Hg	DIW	T	0.34	B	0.16	0.42	ng/L	B122125	1200884
1245005-26	MeHg	DIW	T	0.021	U	0.021	0.052	ng/L	B122151	1200901
1245005-26	Pb	DIW	T	0.0184	B	0.0020	0.0202	µg/L	B122114	1200959
1245005-26	Se	DIW	T	0.349	U	0.349	1.05	µg/L	B122318	1200911
1245005-26	TI	DIW	T	0.010	U	0.010	0.050	µg/L	B122318	1200911



Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
GSL 4069 UBL										
1245005-21	As	Great Salt Lake	T	98.1		0.15	0.49	µg/L	B122318	1200911
1245005-21	Cd	Great Salt Lake	T	0.0101	U	0.0101	0.101	µg/L	B122439	1200980
1245005-21	Cu	Great Salt Lake	T	1.78		0.0404	0.202	µg/L	B130014	1300016
1245005-21	Hg	Great Salt Lake	T	3.88		0.15	0.39	ng/L	B122125	1200884
1245005-21	MeHg	Great Salt Lake	T	0.783		0.101	0.252	ng/L	B122127	1200887
1245005-21	Pb	Great Salt Lake	T	1.31		0.0101	0.101	µg/L	B122439	1200980
1245005-21	Se	Great Salt Lake	T	0.428	B	0.344	1.03	µg/L	B122318	1200911
1245005-21	TI	Great Salt Lake	T	0.038	B	0.010	0.049	µg/L	B122318	1200911
GSL 4069 UBL (2)										
1245005-25	As	Great Salt Lake	T	103		0.15	0.49	µg/L	B122318	1200911
1245005-25	Cd	Great Salt Lake	T	0.0101	U	0.0101	0.101	µg/L	B122439	1200980
1245005-25	Cu	Great Salt Lake	T	1.81		0.0404	0.202	µg/L	B130014	1300016
1245005-25	Hg	Great Salt Lake	T	3.43		0.15	0.41	ng/L	B122125	1200884
1245005-25	MeHg	Great Salt Lake	T	0.789		0.098	0.246	ng/L	B122151	1200901
1245005-25	Pb	Great Salt Lake	T	1.13		0.0101	0.101	µg/L	B122439	1200980
1245005-25	Se	Great Salt Lake	T	0.469	B	0.345	1.03	µg/L	B122318	1200911
1245005-25	TI	Great Salt Lake	T	0.039	B	0.010	0.049	µg/L	B122318	1200911
N1018										
1245005-03	%TS	Brine Shrimp	NA	14.65		0.13	0.44	%	B122172	N/A
1245005-03	As	Brine Shrimp	dry	7.98		0.090	0.259	mg/kg	B122118	1200890
1245005-03	Cd	Brine Shrimp	dry	0.088	B	0.045	0.129	mg/kg	B122316	1200911
1245005-03	Cu	Brine Shrimp	dry	5.41		0.19	1.03	mg/kg	B122316	1200911
1245005-03	Hg	Brine Shrimp	dry	47.4		0.79	2.65	ng/g	B122171	1200906
1245005-03	Pb	Brine Shrimp	dry	2.93		0.026	0.259	mg/kg	B122316	1200911
1245005-03	Se	Brine Shrimp	dry	0.82	B	0.39	0.97	mg/kg	B122118	1200890
1245005-03	TI	Brine Shrimp	dry	0.013	U	0.013	0.052	mg/kg	B122316	1200911



Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
N1018 DBL										
1245005-14	As	Great Salt Lake	T	138		0.15	0.50	µg/L	B122318	1200911
1245005-14	Cd	Great Salt Lake	T	0.158	B	0.0202	0.202	µg/L	B122114	1200959
1245005-14	Cu	Great Salt Lake	T	0.281		0.0404	0.202	µg/L	B122114	1200959
1245005-14	Hg	Great Salt Lake	T	5.72		0.15	0.41	ng/L	B122125	1200884
1245005-14	MeHg	Great Salt Lake	T	21.4		0.091	0.228	ng/L	B122127	1200887
1245005-14	Pb	Great Salt Lake	T	4.79		0.0202	0.202	µg/L	B122114	1200959
1245005-14	Se	Great Salt Lake	T	0.349	U	0.349	1.05	µg/L	B122318	1200911
1245005-14	TI	Great Salt Lake	T	0.034	B	0.010	0.050	µg/L	B122318	1200911
N1018 UBL										
1245005-13	As	Great Salt Lake	T	100		0.15	0.49	µg/L	B122318	1200911
1245005-13	Cd	Great Salt Lake	T	0.0322	B	0.0202	0.202	µg/L	B122114	1200959
1245005-13	Cu	Great Salt Lake	T	1.54		0.0404	0.202	µg/L	B122114	1200959
1245005-13	Hg	Great Salt Lake	T	3.14		0.15	0.39	ng/L	B122125	1200884
1245005-13	MeHg	Great Salt Lake	T	2.88		0.101	0.254	ng/L	B122127	1200887
1245005-13	Pb	Great Salt Lake	T	0.920		0.0202	0.202	µg/L	B122114	1200959
1245005-13	Se	Great Salt Lake	T	0.756	B	0.342	1.03	µg/L	B122318	1200911
1245005-13	TI	Great Salt Lake	T	0.037	B	0.010	0.049	µg/L	B122318	1200911



Accuracy & Precision Summary

Batch: B122114
Lab Matrix: Water
Method: EPA 1640 Column

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B122114-BS1	Laboratory Fortified Blank (1240040)						
	Cd		0.2020	0.2229	µg/L	110% 75-125	
	Cu		2.020	2.050	µg/L	101% 75-125	
	Pb		0.5051	0.4755	µg/L	94% 75-125	
B122114-SRM1	Certified Reference Material (1238006, SLEW-3)						
	Cd		0.04800	0.0485	µg/L	101% 75-125	
	Cu		1.550	1.608	µg/L	104% 75-125	
B122114-SRM2	Certified Reference Material (1238005, CASS-5)						
	Cu		0.3800	0.3569	µg/L	94% 75-125	
B122114-DUP2	Duplicate (1245005-09)						
	Cd	0.0282		0.0253	µg/L		11% 20
	Cu	1.803		1.650	µg/L		9% 20
	Pb	1.026		0.9347	µg/L		9% 20
B122114-MS2	Matrix Spike (1245005-09)						
	Cd	0.0282	30.30	32.07	µg/L	106% 75-125	
	Cu	1.803	30.30	31.20	µg/L	97% 75-125	
	Pb	1.026	30.30	34.52	µg/L	111% 75-125	
B122114-MSD2	Matrix Spike Duplicate (1245005-09)						
	Cd	0.0282	30.30	31.97	µg/L	105% 75-125	0.3% 20
	Cu	1.803	30.30	29.63	µg/L	92% 75-125	5% 20
	Pb	1.026	30.30	34.48	µg/L	110% 75-125	0.1% 20



Accuracy & Precision Summary

Batch: B122118
Lab Matrix: Biota
Method: EPA 1638 DRC

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B122118-BS1	Laboratory Fortified Blank (1248007)						
	As		8.000	8.643	mg/kg	108% 75-125	
	Se		2.000	2.15	mg/kg	107% 75-125	
B122118-SRM1	Certified Reference Material (1219051, DORM-3)						
	As		6.880	7.544	mg/kg	110% 75-125	
	Se		3.300	4.07	mg/kg	123% N/A	
B122118-SRM2	Certified Reference Material (1051005, TORT-2)						
	As		21.60	22.85	mg/kg	106% 75-125	
	Se		5.630	6.12	mg/kg	109% 75-125	
B122118-DUP2	Duplicate (1245005-01)						
	As	8.386		5.593	mg/kg dry		40% 30
	Se	ND		ND	mg/kg dry		N/C 30
B122118-MS2	Matrix Spike (1245005-01)						
	As	8.386	60.94	79.21	mg/kg dry	116% 70-130	
	Se	ND	15.24	17.82	mg/kg dry	117% 70-130	
B122118-MSD2	Matrix Spike Duplicate (1245005-01)						
	As	8.386	62.83	81.69	mg/kg dry	117% 70-130	3% 30
	Se	ND	15.71	18.01	mg/kg dry	115% 70-130	1% 30



Accuracy & Precision Summary

Batch: B122125
Lab Matrix: Water
Method: EPA 1631

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B122125-SRM1	Certified Reference Material (1245026, NIST 1641d 1000x dilution)						
	Hg		15.68	15.90	ng/L	101% 85-115	
B122125-MS3	Matrix Spike (1245005-11)						
	Hg	3.12	7.997	9.59	ng/L	81% 71-125	
B122125-MSD3	Matrix Spike Duplicate (1245005-11)						
	Hg	3.12	8.249	9.04	ng/L	72% 71-125	6% 24
B122125-MS4	Matrix Spike (1245020-06)						
	Hg	4.08	29.99	29.49	ng/L	85% 71-125	
B122125-MSD4	Matrix Spike Duplicate (1245020-06)						
	Hg	4.08	30.90	28.55	ng/L	79% 71-125	3% 24



Accuracy & Precision Summary

Batch: B122127
 Lab Matrix: Water
 Method: EPA 1630

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B122127-BS1	Laboratory Fortified Blank (1245063) MeHg		1.005	1.051	ng/L	105% 67-133	
B122127-BS2	Laboratory Fortified Blank (1245063) MeHg		0.9956	0.984	ng/L	99% 67-133	
B122127-MS1	Matrix Spike (1245005-11) MeHg	0.543	15.78	15.93	ng/L	97% 65-135	
B122127-MSD1	Matrix Spike Duplicate (1245005-11) MeHg	0.543	14.71	17.09	ng/L	113% 65-135	7% 35
B122127-MS2	Matrix Spike (1245005-16) MeHg	14.18	266.3	314.3	ng/L	113% 65-135	
B122127-MSD2	Matrix Spike Duplicate (1245005-16) MeHg	14.18	267.4	314.9	ng/L	112% 65-135	0.2% 35



Accuracy & Precision Summary

Batch: B122151
 Lab Matrix: Water
 Method: EPA 1630

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B122151-BS1	Laboratory Fortified Blank (1245063) MeHg		0.9933	0.854	ng/L	86% 67-133	
B122151-BS2	Laboratory Fortified Blank (1245063) MeHg		0.9885	0.921	ng/L	93% 67-133	
B122151-MS4	Matrix Spike (1245005-25) MeHg	0.789	16.65	18.28	ng/L	105% 65-135	
B122151-MSD4	Matrix Spike Duplicate (1245005-25) MeHg	0.789	16.82	16.81	ng/L	95% 65-135	8% 35
B122151-MS1	Matrix Spike (1245020-05) MeHg	0.489	3.393	3.771	ng/L	97% 65-135	
B122151-MSD1	Matrix Spike Duplicate (1245020-05) MeHg	0.489	3.425	3.733	ng/L	95% 65-135	1% 35



Accuracy & Precision Summary

Batch: B122171
 Lab Matrix: Biota
 Method: EPA 1631 Appendix

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B122171-SRM1	Certified Reference Material (1219051, DORM-3) Hg		382.0	381.8	ng/g	100% 75-125	
B122171-DUP1	Duplicate (1245005-03) Hg	47.39		40.90	ng/g dry		15% 30
B122171-MS1	Matrix Spike (1245005-03) Hg	47.39	1279	1241	ng/g dry	93% 70-130	
B122171-MSD1	Matrix Spike Duplicate (1245005-03) Hg	47.39	1325	1268	ng/g dry	92% 70-130	2% 30



Accuracy & Precision Summary

Batch: B122172
Lab Matrix: Biota
Method: SM 2540G

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B122172-DUP1	Duplicate (1245005-03) %TS	14.65		14.89	%		2% 15
B122172-DUP2	Duplicate (1246025-05) %TS	17.48		17.62	%		0.8% 15



Accuracy & Precision Summary

Batch: B122316
 Lab Matrix: Biota
 Method: EPA 1638

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B122316-BS1	Laboratory Fortified Blank (1248007)						
	Cd		0.5000	0.514	mg/kg	103% 75-125	
	Cu		10.00	10.05	mg/kg	101% 75-125	
	Pb		1.000	1.064	mg/kg	106% 75-125	
	Tl		0.1000	0.105	mg/kg	105% 75-125	
B122316-SRM1	Certified Reference Material (1219051, DORM-3)						
	Cd		0.2900	0.325	mg/kg	112% 75-125	
	Cu		15.50	16.08	mg/kg	104% 75-125	
	Pb		0.3950	0.210	mg/kg	53% 75-125	
B122316-SRM2	Certified Reference Material (1051005, TORT-2)						
	Cd		26.70	29.11	mg/kg	109% 75-125	
	Cu		106.0	102.3	mg/kg	97% 75-125	
	Pb		0.3500	0.310	mg/kg	89% 75-125	
B122316-DUP2	Duplicate (1245005-01)						
	Cd	0.072		ND	mg/kg dry		N/C 30
	Cu	4.03		3.82	mg/kg dry		6% 30
	Pb	0.364		0.262	mg/kg dry		33% 30
	Tl	ND		ND	mg/kg dry		N/C 30
B122316-MS2	Matrix Spike (1245005-01)						
	Cd	0.072	3.809	4.157	mg/kg dry	107% 70-130	
	Cu	4.03	76.18	79.57	mg/kg dry	99% 70-130	
	Pb	0.364	7.618	8.581	mg/kg dry	108% 70-130	
	Tl	ND	0.7618	0.796	mg/kg dry	105% 70-130	
B122316-MSD2	Matrix Spike Duplicate (1245005-01)						
	Cd	0.072	3.927	4.107	mg/kg dry	103% 70-130	1% 30
	Cu	4.03	78.54	81.54	mg/kg dry	99% 70-130	2% 30
	Pb	0.364	7.854	8.919	mg/kg dry	109% 70-130	4% 30
	Tl	ND	0.7854	0.817	mg/kg dry	104% 70-130	3% 30



Accuracy & Precision Summary

Batch: B122318
 Lab Matrix: Water
 Method: EPA 1640 RP

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B122318-BS1	Laboratory Fortified Blank (1249001)						
	As		9.950	7.28	µg/L	73% 70-130	
	Se		2.488	2.465	µg/L	99% 70-130	
	Tl		0.09950	0.092	µg/L	92% 70-130	
B122318-SRM1	Certified Reference Material (1238007, SLEW-3)						
	As		1.360	1.27	µg/L	93% 75-125	
B122318-MS5	Matrix Spike (0944029-99)						
	As	1.26	10.00	10.40	µg/L	91% 70-130	
	Se	0.198	2.500	2.405	µg/L	88% 70-130	
	Tl	0.011	0.1000	0.103	µg/L	92% 70-130	
B122318-DUP1	Duplicate (1245005-09)						
	As	92.41		94.01	µg/L		2% 30
	Se	ND		ND	µg/L		N/C 30
	Tl	0.036		0.036	µg/L		0.4% 30
B122318-MS1	Matrix Spike (1245005-09)						
	As	92.41	49.50	131.1	µg/L	78% 70-130	
	Se	ND	12.38	9.826	µg/L	79% 70-130	
	Tl	0.036	0.4950	0.492	µg/L	92% 70-130	
B122318-MSD1	Matrix Spike Duplicate (1245005-09)						
	As	92.41	49.14	126.8	µg/L	70% 70-130	3% 30
	Se	ND	12.29	10.68	µg/L	87% 70-130	8% 30
	Tl	0.036	0.4914	0.466	µg/L	88% 70-130	5% 30
B122318-DUP2	Duplicate (1245005-19)						
	As	97.70		90.49	µg/L		8% 30
	Se	0.440		ND	µg/L		N/C 30
	Tl	0.037		0.038	µg/L		4% 30



Accuracy & Precision Summary

Batch: B122318
 Lab Matrix: Water
 Method: EPA 1640 RP

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B122318-MS2	Matrix Spike (1245005-19)						
	As	97.70	49.26	130.9	µg/L	67% 70-130	
	Se	0.440	12.32	10.77	µg/L	84% 70-130	
	Tl	0.037	0.4926	0.475	µg/L	89% 70-130	
B122318-MSD2	Matrix Spike Duplicate (1245005-19)						
	As	97.70	49.50	142.3	µg/L	90% 70-130	8% 30
	Se	0.440	12.38	10.19	µg/L	79% 70-130	5% 30
	Tl	0.037	0.4950	0.485	µg/L	91% 70-130	2% 30



Accuracy & Precision Summary

Batch: B122439
Lab Matrix: Water
Method: EPA 1640 Column

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B122439-BS1	Laboratory Fortified Blank (1240040)						
	Cd		0.2020	0.2470	µg/L	122% 75-125	
	Pb		0.5051	0.5368	µg/L	106% 75-125	
B122439-SRM1	Certified Reference Material (1238006, SLEW-3)						
	Cd		0.04800	0.0487	µg/L	102% 75-125	
	Pb		0.009000	0.0071	µg/L	79% 75-125	
B122439-SRM2	Certified Reference Material (1238005, CASS-5)						
	Cd		0.02150	0.0161	µg/L	75% 75-125	
	Pb		0.01100	0.0089	µg/L	81% 75-125	
B122439-DUP2	Duplicate (1245005-19)						
	Cd	ND		ND	µg/L		N/C 20
	Pb	0.9202		0.7472	µg/L		21% 20
B122439-MS2	Matrix Spike (1245005-19)						
	Cd	ND	30.30	20.02	µg/L	66% 75-125	
	Pb	0.9202	30.30	23.91	µg/L	76% 75-125	
B122439-MSD2	Matrix Spike Duplicate (1245005-19)						
	Cd	ND	30.30	36.40	µg/L	120% 75-125	58% 20
	Pb	0.9202	30.30	46.18	µg/L	149% 75-125	64% 20
B122439-DUP3	Duplicate (1245020-04)						
	Cd	ND		ND	µg/L		N/C 20
	Pb	0.4831		0.4710	µg/L		3% 20
B122439-MS3	Matrix Spike (1245020-04)						
	Cd	ND	30.30	33.22	µg/L	110% 75-125	
	Pb	0.4831	30.30	38.11	µg/L	124% 75-125	

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Accuracy & Precision Summary

Batch: B122439
Lab Matrix: Water
Method: EPA 1640 Column

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B122439-MSD3	Matrix Spike Duplicate (1245020-04)						
	Cd	ND	30.30	33.13	µg/L	109% 75-125	0.3% 20
	Pb	0.4831	30.30	37.97	µg/L	124% 75-125	0.4% 20



Accuracy & Precision Summary

Batch: B130014
Lab Matrix: Water
Method: EPA 1640 Column

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B130014-BS1	Laboratory Fortified Blank (1240040) Cu		2.020	2.208	µg/L	109% 75-125	
B130014-SRM1	Certified Reference Material (1238006, SLEW-3) Cu		1.550	1.233	µg/L	80% 75-125	
B130014-SRM2	Certified Reference Material (1238005, CASS-5) Cu		0.3800	0.3391	µg/L	89% 75-125	
B130014-DUP1	Duplicate (1245005-19) Cu	1.618		1.681	µg/L		4% 20
B130014-MS1	Matrix Spike (1245005-19) Cu	1.618	30.30	24.67	µg/L	76% 75-125	
B130014-MSD1	Matrix Spike Duplicate (1245005-19) Cu	1.618	30.30	24.88	µg/L	77% 75-125	0.9% 20
B130014-DUP2	Duplicate (1245020-04) Cu	1.466		1.411	µg/L		4% 20
B130014-MS2	Matrix Spike (1245020-04) Cu	1.466	30.30	32.53	µg/L	103% 75-125	
B130014-MSD2	Matrix Spike Duplicate (1245020-04) Cu	1.466	30.30	31.99	µg/L	101% 75-125	2% 20



Method Blanks & Reporting Limits

Batch: B122114
Matrix: Water
Method: EPA 1640 Column
Analyte: Cd 114

Sample	Result	Units		
B122114-BLK1	-0.0005	µg/L		
B122114-BLK2	-0.0005	µg/L		
B122114-BLK3	-0.0005	µg/L		
B122114-BLK4	-0.0005	µg/L		
Average:	-0.0005		Standard Deviation:	0.0000
Limit:	0.0202		Limit:	0.0020
			MDL:	0.0020
			MRL:	0.0202

Analyte: Cu 63

Sample	Result	Units		
B122114-BLK1	-0.0009	µg/L		
B122114-BLK2	-0.0015	µg/L		
B122114-BLK3	-0.0022	µg/L		
B122114-BLK4	-0.0020	µg/L		
Average:	-0.0017		Standard Deviation:	0.0006
Limit:	0.0202		Limit:	0.0040
			MDL:	0.0040
			MRL:	0.0202

Analyte: Pb

Sample	Result	Units		
B122114-BLK1	-0.0011	µg/L		
B122114-BLK2	-0.0011	µg/L		
B122114-BLK3	-0.0012	µg/L		
B122114-BLK4	-0.0012	µg/L		
Average:	-0.0012		Standard Deviation:	0.0001
Limit:	0.0202		Limit:	0.0020
			MDL:	0.0020
			MRL:	0.0202



Method Blanks & Reporting Limits

Batch: B122118
Matrix: Biota
Method: EPA 1638 DRC
Analyte: As 91

Sample	Result	Units		
B122118-BLK1	0.005	mg/kg		
B122118-BLK2	0.003	mg/kg		
B122118-BLK3	0.001	mg/kg		
B122118-BLK4	0.003	mg/kg		
	Average: 0.003		Standard Deviation: 0.002	MDL: 0.014
	Limit: 0.040		Limit: 0.014	MRL: 0.040

Analyte: Se 78

Sample	Result	Units		
B122118-BLK1	-0.0007	mg/kg		
B122118-BLK2	0.0003	mg/kg		
B122118-BLK3	-0.005	mg/kg		
B122118-BLK4	0.003	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



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Method Blanks & Reporting Limits

Batch: B122125
Matrix: Water
Method: EPA 1631
Analyte: Hg

Sample	Result	Units
B122125-BLK1	0.10	ng/L
B122125-BLK2	0.09	ng/L
B122125-BLK3	0.10	ng/L
B122125-BLK4	0.10	ng/L

Average: 0.10
Limit: 0.50

Standard Deviation: 0.01
Limit: 0.10

MDL: 0.15
MRL: 0.40

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Method Blanks & Reporting Limits

Batch: B122127
Matrix: Water
Method: EPA 1630
Analyte: MeHg

Sample	Result	Units
B122127-BLK1	0.015	ng/L
B122127-BLK2	0.009	ng/L
B122127-BLK3	0.008	ng/L
B122127-BLK4	0.004	ng/L

Average: 0.009
Limit: 0.045

Standard Deviation: 0.005
Limit: 0.015

MDL: 0.019
MRL: 0.048

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Method Blanks & Reporting Limits

Batch: B122151
Matrix: Water
Method: EPA 1630
Analyte: MeHg

Sample	Result	Units		
B122151-BLK1	0.007	ng/L		
B122151-BLK2	0.004	ng/L		
B122151-BLK3	0.004	ng/L		
B122151-BLK4	0.006	ng/L		
Average: 0.005			Standard Deviation: 0.002	MDL: 0.021
Limit: 0.045			Limit: 0.015	MRL: 0.051

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Method Blanks & Reporting Limits

Batch: B122171
Matrix: Biota
Method: EPA 1631 Appendix
Analyte: Hg

Sample	Result	Units		
B122171-BLK1	0.09	ng/g		
B122171-BLK2	0.06	ng/g		
B122171-BLK3	0.05	ng/g		
B122171-BLK4	0.07	ng/g		
	Average: 0.07		Standard Deviation: 0.02	MDL: 0.12
	Limit: 0.24		Limit: 0.08	MRL: 0.40

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Method Blanks & Reporting Limits

Batch: B122172
Matrix: Biota
Method: SM 2540G
Analyte: %TS

Sample	Result	Units
B122172-BLK1	-0.09	%
B122172-BLK2	-0.04	%

Average: -0.07
Limit: 0.44

MDL: 0.13
MRL: 0.44



Method Blanks & Reporting Limits

Batch: B122316
Matrix: Biota
Method: EPA 1638
Analyte: Cd 114

Sample	Result	Units		
B122316-BLK1	-0.001	mg/kg		
B122316-BLK2	0.0004	mg/kg		
B122316-BLK3	-0.0008	mg/kg		
B122316-BLK4	-0.002	mg/kg		
Average:	-0.001		Standard Deviation:	0.001
Limit:	0.020		Limit:	0.007
			MDL:	0.007
			MRL:	0.020

Analyte: Cu 63

Sample	Result	Units		
B122316-BLK1	0.005	mg/kg		
B122316-BLK2	0.003	mg/kg		
B122316-BLK3	0.0006	mg/kg		
B122316-BLK4	0.004	mg/kg		
Average:	0.00		Standard Deviation:	0.00
Limit:	0.16		Limit:	0.03
			MDL:	0.03
			MRL:	0.16

Analyte: Pb

Sample	Result	Units		
B122316-BLK1	-0.004	mg/kg		
B122316-BLK2	-0.004	mg/kg		
B122316-BLK3	-0.003	mg/kg		
B122316-BLK4	-0.003	mg/kg		
Average:	-0.004		Standard Deviation:	0.001
Limit:	0.040		Limit:	0.004
			MDL:	0.004
			MRL:	0.040



Method Blanks & Reporting Limits

Analyte: Tl

Sample	Result	Units		
B122316-BLK1	-0.001	mg/kg		
B122316-BLK2	-0.0006	mg/kg		
B122316-BLK3	-0.0004	mg/kg		
B122316-BLK4	-0.0003	mg/kg		
Average:	-0.001		Standard Deviation:	0.000
Limit:	0.008		Limit:	0.002
			MDL:	0.002
			MRL:	0.008



Method Blanks & Reporting Limits

Batch: B122318
Matrix: Water
Method: EPA 1640 RP
Analyte: As 75

Sample	Result	Units			
B122318-BLK1	0.01	µg/L			
B122318-BLK2	0.008	µg/L			
B122318-BLK3	0.03	µg/L			
B122318-BLK4	0.02	µg/L			
Average:	0.02		Standard Deviation:	0.01	MDL: 0.03
Limit:	0.10		Limit:	0.03	MRL: 0.10

Analyte: Se 82

Sample	Result	Units			
B122318-BLK1	-0.052	µg/L			
B122318-BLK2	-0.076	µg/L			
B122318-BLK3	-0.021	µg/L			
B122318-BLK4	-0.034	µg/L			
Average:	-0.046		Standard Deviation:	0.024	MDL: 0.070
Limit:	0.210		Limit:	0.070	MRL: 0.210

Analyte: Tl

Sample	Result	Units			
B122318-BLK1	-0.000004	µg/L			
B122318-BLK2	-0.0001	µg/L			
B122318-BLK3	-0.0001	µg/L			
B122318-BLK4	0.000002	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: B122439
Matrix: Water
Method: EPA 1640 Column
Analyte: Cd 114

Sample	Result	Units		
B122439-BLK1	0.0008	µg/L		
B122439-BLK2	0.0008	µg/L		
B122439-BLK3	0.0008	µg/L		
B122439-BLK4	0.0008	µg/L		
Average:	0.0008		Standard Deviation:	0.0000
Limit:	0.0101		Limit:	0.0010
			MDL:	0.0010
			MRL:	0.0101

Analyte: Pb

Sample	Result	Units		
B122439-BLK1	0.0006	µg/L		
B122439-BLK2	0.0007	µg/L		
B122439-BLK3	0.0009	µg/L		
B122439-BLK4	0.0009	µg/L		
Average:	0.0008		Standard Deviation:	0.0002
Limit:	0.0101		Limit:	0.0010
			MDL:	0.0010
			MRL:	0.0101

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Method Blanks & Reporting Limits

Batch: B130014
Matrix: Water
Method: EPA 1640 Column
Analyte: Cu 65

Sample	Result	Units		
B130014-BLK1	0.0004	µg/L		
B130014-BLK2	-0.0014	µg/L		
B130014-BLK3	-0.0029	µg/L		
B130014-BLK4	-0.0030	µg/L		
Average:	-0.0017		Standard Deviation:	0.0016
Limit:	0.0202		Limit:	0.0040
			MDL:	0.0040
			MRL:	0.0202

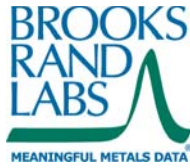


Instrument Calibration

Sequence: 1200884
 Instrument: THG-05
 Date: 11/26/2012
 Analyte: Hg

Total Mercury and Mercury Speciation by CVAFS
 Method: EPA 1631

Lab ID	True Value	Result	Units	REC & Limits
1200884-IBL1		2.05	pg of Hg	
1200884-IBL2		4.46	pg of Hg	
1200884-IBL3		4.03	pg of Hg	
1200884-IBL4		4.39	pg of Hg	
1200884-CAL1	10.00	9.93	pg of Hg	99%
1200884-CAL2	25.00	25.49	pg of Hg	102%
1200884-CAL3	100.0	97.50	pg of Hg	97%
1200884-CAL4	500.0	479.9	pg of Hg	96%
1200884-CAL5	2500	2603	pg of Hg	104%
1200884-CAL6	10000	10160	pg of Hg	102%
1200884-ICV1	1568	1590	pg of Hg	101% 85-115
1200884-CCB1		8.21	pg of Hg	
1200884-CCV1	500.0	529.5	pg of Hg	106% 77-123
1200884-CCB2		4.98	pg of Hg	
1200884-CCB3		4.10	pg of Hg	
1200884-CCB4		4.36	pg of Hg	
1200884-CCV2	500.0	510.9	pg of Hg	102% 77-123
1200884-CCB5		6.48	pg of Hg	
1200884-CCV3	500.0	535.4	pg of Hg	107% 77-123
1200884-CCB6		4.51	pg of Hg	
1200884-CCV4	500.0	548.3	pg of Hg	110% 77-123
1200884-CCB7		4.14	pg of Hg	
1200884-CCV5	500.0	542.6	pg of Hg	109% 77-123
1200884-CCB8		4.33	pg of Hg	
1200884-CCV6	500.0	538.5	pg of Hg	108% 77-123
1200884-CCB9		4.26	pg of Hg	
1200884-CCV7	500.0	534.2	pg of Hg	107% 77-123
1200884-CCBA		4.58	pg of Hg	
1200884-CCV8	500.0	531.9	pg of Hg	106% 77-123
1200884-CCBB		4.40	pg of Hg	
1200884-CCV9	500.0	540.0	pg of Hg	108% 77-123
1200884-CCBC		4.56	pg of Hg	
1200884-CCVA	500.0	535.5	pg of Hg	107% 77-123
1200884-CCBD		5.26	pg of Hg	
1200884-CCVB	500.0	538.2	pg of Hg	108% 77-123
1200884-CCBE		4.16	pg of Hg	
1200884-CCVC	500.0	542.7	pg of Hg	109% 77-123
1200884-CCBF		3.74	pg of Hg	
1200884-CCVD	500.0	541.2	pg of Hg	108% 77-123
1200884-CCBG		4.35	pg of Hg	



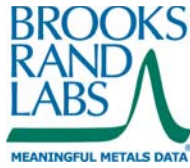
Instrument Calibration

Sequence: 1200887
 Instrument: MMHG-09
 Date: 11/28/2012
 Analyte: MeHg

Total Mercury and Mercury Speciation by CVAFS
 Method: EPA 1630

Lab ID	True Value	Result	Units	REC & Limits
1200887-IBL1		0.073	pg MeHg	
1200887-IBL2		0.000	pg MeHg	
1200887-IBL3		0.065	pg MeHg	
1200887-CAL1	0.5000	0.562	pg MeHg	112%
1200887-CAL2	1.000	0.946	pg MeHg	95%
1200887-CAL3	2.000	2.081	pg MeHg	104%
1200887-CAL4	10.00	10.41	pg MeHg	104%
1200887-CAL5	50.00	52.33	pg MeHg	105%
1200887-CAL6	250.0	208.1	pg MeHg	83%
1200887-CAL7	1000	1025	pg MeHg	103%
1200887-CCB1		0.487	pg MeHg	
1200887-ICV1	99.99	98.17	pg MeHg	98% 80-120
1200887-CCB2		0.738	pg MeHg	
1200887-CCV1	25.00	24.48	pg MeHg	98% 67-133
1200887-CCB3		0.155	pg MeHg	
1200887-CCB4		0.186	pg MeHg	
1200887-CCB5		0.022	pg MeHg	
1200887-CCV2	25.00	26.58	pg MeHg	106% 67-133
1200887-CCB6		0.086	pg MeHg	
1200887-CCV3	25.00	23.56	pg MeHg	94% 67-133
1200887-CCB7		0.065	pg MeHg	
1200887-CCV4	25.00	24.92	pg MeHg	100% 67-133
1200887-CCB8		0.047	pg MeHg	
1200887-CCV5	25.00	24.55	pg MeHg	98% 67-133
1200887-CCB9		0.043	pg MeHg	
1200887-CCV6	25.00	24.08	pg MeHg	96% 67-133
1200887-CCBA		0.095	pg MeHg	
1200887-CCV7	25.00	25.17	pg MeHg	101% 67-133
1200887-CCBB		0.104	pg MeHg	
1200887-CCV8	25.00	24.97	pg MeHg	100% 67-133
1200887-CCBC		0.410	pg MeHg	
1200887-CCV9	25.00	24.98	pg MeHg	100% 67-133
1200887-CCBD		0.142	pg MeHg	
1200887-CCVA	25.00	25.59	pg MeHg	102% 67-133
1200887-CCBE		0.104	pg MeHg	
1200887-CCVB	25.00	24.16	pg MeHg	97% 67-133
1200887-CCBF		0.095	pg MeHg	
1200887-CCVC	25.00	23.20	pg MeHg	93% 67-133
1200887-CCBG		0.263	pg MeHg	
1200887-CCVD	25.00	22.41	pg MeHg	90% 67-133

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Instrument Calibration

Sequence: 1200887
Instrument: MMHG-09
Date: 11/28/2012
Analyte: MeHg

Total Mercury and Mercury Speciation by CVAFS
Method: EPA 1630

Lab ID	True Value	Result	Units	REC & Limits
1200887-CCBH		0.194	pg MeHg	
1200887-CCVE	25.00	23.67	pg MeHg	95% 67-133
1200887-CCBI		0.177	pg MeHg	
1200887-CCVF	25.00	23.64	pg MeHg	95% 67-133
1200887-CCBJ		0.073	pg MeHg	



Instrument Calibration

Sequence: 1200890
 Instrument: ICP-MS-2
 Date: 11/28/2012
 Analyte: As 91

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

Lab ID	True Value	Result	Units	REC & Limits	
1200890-ICB1		0.000	µg/L		
1200890-CAL1	0.02500	0.024	µg/L	96%	
1200890-CAL2	0.05000	0.054	µg/L	108%	
1200890-CAL3	0.2500	0.244	µg/L	98%	
1200890-CAL4	1.000	1.043	µg/L	104%	
1200890-CAL5	5.000	5.099	µg/L	102%	
1200890-CAL6	25.00	25.36	µg/L	101%	
1200890-CAL7	125.0	124.5	µg/L	100%	
1200890-CAL8	500.0	456.0	µg/L	91%	
1200890-ICB2		0.059	µg/L		
1200890-ICV1	5.000	4.648	µg/L	93%	85-115
1200890-ICB3		0.020	µg/L		
1200890-IBL1		0.015	µg/L		
1200890-IBL2		0.013	µg/L		
1200890-IBL3		0.011	µg/L		
1200890-IBL4		0.011	µg/L		
1200890-SCV1	60.45	58.08	µg/L	96%	75-125
1200890-CCV1	1.000	1.062	µg/L	106%	75-125
1200890-CCB1		0.011	µg/L		
1200890-CCV2	1.000	1.009	µg/L	101%	75-125
1200890-CCB2		0.007	µg/L		
1200890-CCV3	1.000	1.026	µg/L	103%	75-125
1200890-CCB3		0.006	µg/L		
1200890-CCV4	1.000	1.054	µg/L	105%	75-125
1200890-CCB4		0.007	µg/L		
1200890-CCV5	1.000	1.052	µg/L	105%	75-125
1200890-CCB5		0.007	µg/L		
1200890-CCV6	1.000	1.108	µg/L	111%	75-125
1200890-CCB6		0.007	µg/L		
1200890-CCV7	1.000	1.014	µg/L	101%	75-125
1200890-CCB7		0.002	µg/L		
1200890-CCV8	1.000	1.075	µg/L	107%	75-125
1200890-CCB8		0.005	µg/L		
1200890-CCV9	1.000	1.089	µg/L	109%	75-125
1200890-CCB9		0.007	µg/L		
1200890-CCVA	1.000	1.132	µg/L	113%	75-125
1200890-CCBA		0.003	µg/L		
1200890-CCVB	5.000	5.502	µg/L	110%	75-125
1200890-CCBB		0.006	µg/L		
1200890-CCVC	5.000	5.298	µg/L	106%	75-125
1200890-CCBC		0.008	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Instrument Calibration

Sequence: 1200890
Instrument: ICP-MS-2
Date: 11/28/2012
Analyte: As 91

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

Lab ID	True Value	Result	Units	REC & Limits
1200890-CCVD	5.000	5.472	µg/L	109% 75-125
1200890-CCBD		0.008	µg/L	
1200890-CCVE	5.000	5.599	µg/L	112% 75-125
1200890-CCBE		0.009	µg/L	
1200890-CCVF	5.000	5.728	µg/L	115% 75-125
1200890-CCBF		0.010	µg/L	
1200890-CCVG	5.000	5.695	µg/L	114% 75-125
1200890-CCBG		0.008	µg/L	



Instrument Calibration

Sequence: 1200890
 Instrument: ICP-MS-2
 Date: 11/28/2012
 Analyte: Se 78

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

Lab ID	True Value	Result	Units	REC & Limits	
1200890-ICB1		0.00	µg/L		
1200890-CAL1	0.05000	0.05	µg/L	93%	
1200890-CAL2	0.1000	0.12	µg/L	116%	
1200890-CAL3	0.2500	0.25	µg/L	98%	
1200890-CAL4	1.000	1.00	µg/L	100%	
1200890-CAL5	5.000	4.79	µg/L	96%	
1200890-CAL6	25.00	24.87	µg/L	99%	
1200890-CAL7	125.0	122.8	µg/L	98%	
1200890-CAL8	500.0	499.4	µg/L	100%	
1200890-ICB2		0.23	µg/L		
1200890-ICV1	10.00	10.26	µg/L	103%	85-115
1200890-ICB3		0.09	µg/L		
1200890-IBL1		0.06	µg/L		
1200890-IBL2		0.06	µg/L		
1200890-IBL3		0.06	µg/L		
1200890-IBL4		0.03	µg/L		
1200890-SCV1	11.97	12.72	µg/L	106%	75-125
1200890-CCV1	1.000	1.09	µg/L	109%	75-125
1200890-CCB1		0.03	µg/L		
1200890-CCV2	1.000	1.00	µg/L	100%	75-125
1200890-CCB2		0.01	µg/L		
1200890-CCV3	1.000	0.99	µg/L	99%	75-125
1200890-CCB3		-0.002	µg/L		
1200890-CCV4	1.000	1.07	µg/L	107%	75-125
1200890-CCB4		0.008	µg/L		
1200890-CCV5	1.000	0.97	µg/L	97%	75-125
1200890-CCB5		0.005	µg/L		
1200890-CCV6	1.000	1.00	µg/L	100%	75-125
1200890-CCB6		0.008	µg/L		
1200890-CCV7	1.000	0.96	µg/L	96%	75-125
1200890-CCB7		0.008	µg/L		
1200890-CCV8	1.000	0.98	µg/L	98%	75-125
1200890-CCB8		-0.004	µg/L		
1200890-CCV9	1.000	0.97	µg/L	97%	75-125
1200890-CCB9		0.02	µg/L		
1200890-CCVA	1.000	0.98	µg/L	98%	75-125
1200890-CCBA		-0.01	µg/L		
1200890-CCVB	5.000	5.16	µg/L	103%	75-125
1200890-CCBB		-0.003	µg/L		
1200890-CCVC	5.000	4.96	µg/L	99%	75-125
1200890-CCBC		0.007	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Instrument Calibration

Sequence: 1200890
Instrument: ICP-MS-2
Date: 11/28/2012
Analyte: Se 78

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

Lab ID	True Value	Result	Units	REC & Limits	
1200890-CCVD	5.000	4.80	µg/L	96%	75-125
1200890-CCBD		0.02	µg/L		
1200890-CCVE	5.000	5.11	µg/L	102%	75-125
1200890-CCBE		0.01	µg/L		
1200890-CCVF	5.000	5.05	µg/L	101%	75-125
1200890-CCBF		0.01	µg/L		
1200890-CCVG	5.000	4.88	µg/L	98%	75-125
1200890-CCBG		0.006	µg/L		



Instrument Calibration

Sequence: 1200901
 Instrument: MMHG-09
 Date: 12/05/2012
 Analyte: MeHg

Total Mercury and Mercury Speciation by CVAFS
 Method: EPA 1630

Lab ID	True Value	Result	Units	REC & Limits
1200901-IBL1		0.044	pg MeHg	
1200901-IBL2		0.000	pg MeHg	
1200901-IBL3		0.020	pg MeHg	
1200901-CAL1	0.5000	0.469	pg MeHg	94%
1200901-CAL2	1.000	0.991	pg MeHg	99%
1200901-CAL3	2.000	2.040	pg MeHg	102%
1200901-CAL4	10.00	10.06	pg MeHg	101%
1200901-CAL5	50.00	48.73	pg MeHg	97%
1200901-CAL6	250.0	254.3	pg MeHg	102%
1200901-CAL7	1000	1061	pg MeHg	106%
1200901-CCB1		0.546	pg MeHg	
1200901-ICV1	99.99	101.3	pg MeHg	101% 80-120
1200901-CCB2		0.762	pg MeHg	
1200901-CCV1	25.00	23.95	pg MeHg	96% 67-133
1200901-CCB3		0.167	pg MeHg	
1200901-CCB4		0.183	pg MeHg	
1200901-CCB5		0.056	pg MeHg	
1200901-CCV2	25.00	24.23	pg MeHg	97% 67-133
1200901-CCB6		0.052	pg MeHg	
1200901-CCV3	25.00	24.60	pg MeHg	98% 67-133
1200901-CCB7		0.084	pg MeHg	
1200901-CCV4	25.00	23.69	pg MeHg	95% 67-133
1200901-CCB8		0.00	pg MeHg	
1200901-CCV5	25.00	22.70	pg MeHg	91% 67-133
1200901-CCB9		0.040	pg MeHg	
1200901-CCV6	25.00	23.55	pg MeHg	94% 67-133
1200901-CCBA		0.064	pg MeHg	
1200901-CCV7	25.00	23.21	pg MeHg	93% 67-133
1200901-CCBB		0.100	pg MeHg	
1200901-CCV8	25.00	24.12	pg MeHg	96% 67-133
1200901-CCBC		0.080	pg MeHg	
1200901-CCV9	25.00	24.09	pg MeHg	96% 67-133
1200901-CCBD		0.032	pg MeHg	
1200901-CCVA	25.00	24.26	pg MeHg	97% 67-133
1200901-CCBE		0.020	pg MeHg	
1200901-CCVB	25.00	24.03	pg MeHg	96% 67-133
1200901-CCBF		0.020	pg MeHg	
1200901-CCVC	25.00	24.60	pg MeHg	98% 67-133
1200901-CCBG		0.044	pg MeHg	
1200901-CCVD	25.00	24.66	pg MeHg	99% 67-133
1200901-CCBH		0.140	pg MeHg	

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Instrument Calibration

Sequence: 1200901
Instrument: MMHG-09
Date: 12/05/2012
Analyte: MeHg

Total Mercury and Mercury Speciation by CVAFS
Method: EPA 1630

Lab ID	True Value	Result	Units	REC & Limits
1200901-CCVE	25.00	24.92	pg MeHg	100% 67-133
1200901-CCBI		0.215	pg MeHg	
1200901-CCVF	25.00	23.85	pg MeHg	95% 67-133
1200901-CCBJ		0.175	pg MeHg	
1200901-CCVG	25.00	22.77	pg MeHg	91% 67-133
1200901-CCBK		0.088	pg MeHg	
1200901-CCVH	25.00	23.42	pg MeHg	94% 67-133
1200901-CCBL		0.048	pg MeHg	
1200901-CCVI	25.00	23.60	pg MeHg	94% 67-133
1200901-CCBM		0.036	pg MeHg	
1200901-CCVJ	25.00	22.60	pg MeHg	90% 67-133
1200901-CCBN		0.048	pg MeHg	
1200901-CCVK	25.02	22.11	pg MeHg	88% 67-133
1200901-CCBO		0.028	pg MeHg	



Instrument Calibration

Sequence: 1200906
 Instrument: zDNU-THG-06(M)
 Date: 12/06/2012
 Analyte: Hg

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

Lab ID	True Value	Result	Units	REC & Limits
1200906-IBL1		2.37	pg of Hg	
1200906-IBL2		3.46	pg of Hg	
1200906-IBL3		0.004	pg of Hg	
1200906-IBL4		0.005	pg of Hg	
1200906-CAL1	10.00	11.15	pg of Hg	112%
1200906-CAL2	25.00	24.56	pg of Hg	98%
1200906-CAL3	100.0	99.84	pg of Hg	100%
1200906-CAL4	500.0	484.1	pg of Hg	97%
1200906-CAL5	2500	2520	pg of Hg	101%
1200906-CAL6	10000	9445	pg of Hg	94%
1200906-ICV1	1568	1572	pg of Hg	100% 85-115
1200906-CCB1		7.23	pg of Hg	
1200906-CCV1	500.0	498.2	pg of Hg	100% 77-123
1200906-CCB2		5.37	pg of Hg	
1200906-CCB3		4.88	pg of Hg	
1200906-CCB4		5.61	pg of Hg	
1200906-CCV2	500.0	506.4	pg of Hg	101% 77-123
1200906-CCB5		5.18	pg of Hg	
1200906-CCV3	500.0	499.6	pg of Hg	100% 77-123
1200906-CCB6		5.20	pg of Hg	
1200906-CCV4	500.0	497.2	pg of Hg	99% 77-123
1200906-CCB7		6.03	pg of Hg	
1200906-CCV5	500.0	492.6	pg of Hg	99% 77-123
1200906-CCB8		5.71	pg of Hg	
1200906-CCV6	500.0	494.2	pg of Hg	99% 77-123
1200906-CCB9		4.70	pg of Hg	
1200906-CCV7	500.0	492.4	pg of Hg	98% 77-123
1200906-CCBA		5.42	pg of Hg	
1200906-CCV8	500.0	488.6	pg of Hg	98% 77-123
1200906-CCBB		5.69	pg of Hg	
1200906-CCV9	500.0	487.1	pg of Hg	97% 77-123
1200906-CCBC		5.01	pg of Hg	
1200906-CCVA	500.0	475.0	pg of Hg	95% 77-123
1200906-CCBD		4.86	pg of Hg	
1200906-CCVB	500.0	477.6	pg of Hg	96% 77-123
1200906-CCBE		4.53	pg of Hg	
1200906-CCVC	500.0	486.5	pg of Hg	97% 77-123
1200906-CCBF		5.83	pg of Hg	
1200906-CCVD	500.0	486.0	pg of Hg	97% 77-123
1200906-CCBG		6.04	pg of Hg	
1200906-CCVE	500.0	483.6	pg of Hg	97% 77-123

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Instrument Calibration

Sequence: 1200906
Instrument: zDNU-THG-06(M)
Date: 12/06/2012
Analyte: Hg

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

Lab ID	True Value	Result	Units	REC & Limits
1200906-CCBH		6.25	pg of Hg	



Instrument Calibration

Sequence: 1200911
 Instrument: ICP-MS-2
 Date: 12/08/2012
 Analyte: As 75

Trace Metals by ICP-MS
 Method: EPA 1640 RP

Lab ID	True Value	Result	Units	REC & Limits	
1200911-ICB1		0.00	µg/L		
1200911-CAL1	0.2000	0.22	µg/L	108%	
1200911-CAL2	0.4000	0.34	µg/L	85%	
1200911-CAL3	2.000	1.97	µg/L	98%	
1200911-CAL4	5.000	4.94	µg/L	99%	
1200911-CAL5	10.00	10.48	µg/L	105%	
1200911-CAL6	50.00	50.68	µg/L	101%	
1200911-CAL7	100.0	102.5	µg/L	103%	
1200911-CAL8	200.0	203.6	µg/L	102%	
1200911-ICB2		-0.05	µg/L		
1200911-ICV1	5.000	4.82	µg/L	96%	85-115
1200911-ICB3		-0.15	µg/L		
1200911-IBL1		-0.12	µg/L		
1200911-IBL2		-0.02	µg/L		
1200911-IBL3		0.06	µg/L		
1200911-IBL4		-0.01	µg/L		
1200911-SCV1	60.45	59.67	µg/L	99%	75-125
1200911-CCV1	5.000	5.18	µg/L	104%	75-125
1200911-CCB1		0.08	µg/L		
1200911-CCV2	5.000	5.15	µg/L	103%	75-125
1200911-CCB2		-0.22	µg/L		
1200911-CCV3	5.000	4.99	µg/L	100%	75-125
1200911-CCB3		-0.03	µg/L		
1200911-CCV4	5.000	5.06	µg/L	101%	75-125
1200911-CCB4		-0.15	µg/L		
1200911-CCV5	5.000	5.15	µg/L	103%	75-125
1200911-CCB5		-0.07	µg/L		
1200911-CCV6	5.000	5.24	µg/L	105%	75-125
1200911-CCB6		-0.17	µg/L		
1200911-CCV7	10.00	10.91	µg/L	109%	75-125
1200911-CCB7		-0.05	µg/L		
1200911-CCV8	10.00	10.75	µg/L	108%	75-125
1200911-CCB8		0.04	µg/L		
1200911-CCV9	10.00	10.79	µg/L	108%	75-125
1200911-CCB9		0.06	µg/L		
1200911-CCVA	10.00	10.95	µg/L	109%	75-125
1200911-CCBA		-0.18	µg/L		
1200911-CCVB	10.00	11.05	µg/L	111%	75-125
1200911-CCBB		-0.09	µg/L		
1200911-CCVC	10.00	10.58	µg/L	106%	75-125
1200911-CCBC		0.007	µg/L		



Instrument Calibration

Sequence: 1200911
 Instrument: ICP-MS-2
 Date: 12/08/2012
 Analyte: Se 82

Trace Metals by ICP-MS
 Method: EPA 1640 RP

Lab ID	True Value	Result	Units	REC & Limits	
1200911-ICB1		0.000	µg/L		
1200911-CAL2	0.4000	0.396	µg/L	99%	
1200911-CAL3	2.000	2.098	µg/L	105%	
1200911-CAL4	10.00	9.978	µg/L	100%	
1200911-CAL5	20.00	19.78	µg/L	99%	
1200911-CAL6	40.00	39.72	µg/L	99%	
1200911-CAL7	100.0	99.27	µg/L	99%	
1200911-CAL8	200.0	197.6	µg/L	99%	
1200911-ICB2		0.350	µg/L		
1200911-ICV1	10.00	9.251	µg/L	93%	85-115
1200911-ICB3		0.075	µg/L		
1200911-IBL1		-0.110	µg/L		
1200911-IBL2		-0.017	µg/L		
1200911-IBL3		-0.121	µg/L		
1200911-IBL4		-0.126	µg/L		
1200911-SCV1	11.97	11.27	µg/L	94%	75-125
1200911-CCV1	10.00	10.26	µg/L	103%	75-125
1200911-CCB1		0.192	µg/L		
1200911-CCV2	10.00	9.840	µg/L	98%	75-125
1200911-CCB2		0.136	µg/L		
1200911-CCV3	10.00	10.06	µg/L	101%	75-125
1200911-CCB3		0.081	µg/L		
1200911-CCV4	10.00	9.520	µg/L	95%	75-125
1200911-CCB4		-0.193	µg/L		
1200911-CCV5	10.00	10.01	µg/L	100%	75-125
1200911-CCB5		-0.080	µg/L		
1200911-CCV6	10.00	10.49	µg/L	105%	75-125
1200911-CCB6		-0.147	µg/L		
1200911-CCV7	20.00	20.14	µg/L	101%	75-125
1200911-CCB7		-0.114	µg/L		
1200911-CCV8	20.00	19.77	µg/L	99%	75-125
1200911-CCB8		0.024	µg/L		
1200911-CCV9	20.00	19.78	µg/L	99%	75-125
1200911-CCB9		-0.057	µg/L		
1200911-CCVA	20.00	20.61	µg/L	103%	75-125
1200911-CCBA		-0.038	µg/L		
1200911-CCVB	20.00	20.39	µg/L	102%	75-125
1200911-CCBB		-0.165	µg/L		
1200911-CCVC	20.00	19.82	µg/L	99%	75-125
1200911-CCBC		-0.068	µg/L		

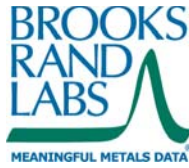


Instrument Calibration

Sequence: 1200911
 Instrument: ICP-MS-2
 Date: 12/08/2012
 Analyte: TI

Trace Metals by ICP-MS
 Method: EPA 1640 RP

Lab ID	True Value	Result	Units	REC & Limits	
1200911-ICB1		0.000	µg/L		
1200911-CAL1	0.01000	0.010	µg/L	100%	
1200911-CAL2	0.02000	0.020	µg/L	99%	
1200911-CAL3	0.1000	0.100	µg/L	100%	
1200911-CAL4	0.2500	0.257	µg/L	103%	
1200911-CAL5	0.5000	0.506	µg/L	101%	
1200911-CAL6	2.500	2.490	µg/L	100%	
1200911-CAL7	5.000	4.947	µg/L	99%	
1200911-CAL8	10.00	9.815	µg/L	98%	
1200911-ICB2		0.0002	µg/L		
1200911-ICV1	0.2500	0.238	µg/L	95%	85-115
1200911-ICB3		-0.0005	µg/L		
1200911-IBL1		-0.0004	µg/L		
1200911-IBL2		-0.001	µg/L		
1200911-IBL3		-0.0005	µg/L		
1200911-IBL4		-0.0009	µg/L		
1200911-SCV1	7.445	7.557	µg/L	102%	75-125
1200911-CCV1	0.2500	0.263	µg/L	105%	75-125
1200911-CCB1		-0.0009	µg/L		
1200911-CCV2	0.2500	0.258	µg/L	103%	75-125
1200911-CCB2		-0.001	µg/L		
1200911-CCV3	0.2500	0.255	µg/L	102%	75-125
1200911-CCB3		-0.0009	µg/L		
1200911-CCV4	0.2500	0.249	µg/L	100%	75-125
1200911-CCB4		-0.0006	µg/L		
1200911-CCV5	0.2500	0.259	µg/L	104%	75-125
1200911-CCB5		-0.001	µg/L		
1200911-CCV6	0.2500	0.259	µg/L	103%	75-125
1200911-CCB6		-0.0005	µg/L		
1200911-CCV7	0.5000	0.516	µg/L	103%	75-125
1200911-CCB7		-0.0008	µg/L		
1200911-CCV8	0.5000	0.509	µg/L	102%	75-125
1200911-CCB8		-0.0006	µg/L		
1200911-CCV9	0.5000	0.516	µg/L	103%	75-125
1200911-CCB9		-0.0003	µg/L		
1200911-CCVA	0.5000	0.524	µg/L	105%	75-125
1200911-CCBA		-0.0007	µg/L		
1200911-CCVB	0.5000	0.518	µg/L	104%	75-125
1200911-CCBB		-0.001	µg/L		
1200911-CCVC	0.5000	0.515	µg/L	103%	75-125
1200911-CCBC		-0.0008	µg/L		



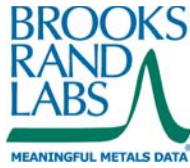
Instrument Calibration

Sequence: 1200911
 Instrument: ICP-MS-2
 Date: 12/08/2012
 Analyte: Cd 114

Trace Metals by ICP-MS
 Method: EPA 1638

Lab ID	True Value	Result	Units	REC & Limits	
1200911-ICB1		0.000	µg/L		
1200911-CAL1	0.01000	0.011	µg/L	108%	
1200911-CAL2	0.02000	0.017	µg/L	84%	
1200911-CAL3	0.1000	0.094	µg/L	94%	
1200911-CAL4	0.5000	0.523	µg/L	105%	
1200911-CAL5	1.000	1.054	µg/L	105%	
1200911-CAL6	5.000	5.107	µg/L	102%	
1200911-CAL7	10.00	10.08	µg/L	101%	
1200911-CAL8	20.00	20.03	µg/L	100%	
1200911-ICB2		0.0007	µg/L		
1200911-ICV1	0.5000	0.476	µg/L	95%	85-115
1200911-ICB3		-0.003	µg/L		
1200911-IBL1		-0.002	µg/L		
1200911-IBL2		0.001	µg/L		
1200911-IBL3		0.033	µg/L		
1200911-IBL4		0.0006	µg/L		
1200911-SCV1	6.568	6.851	µg/L	104%	75-125
1200911-CCV1	0.5000	0.523	µg/L	105%	75-125
1200911-CCB1		-0.001	µg/L		
1200911-CCV2	0.5000	0.503	µg/L	101%	75-125
1200911-CCB2		0.00004	µg/L		
1200911-CCV3	0.5000	0.519	µg/L	104%	75-125
1200911-CCB3		0.002	µg/L		
1200911-CCV4	0.5000	0.541	µg/L	108%	75-125
1200911-CCB4		-0.002	µg/L		
1200911-CCV5	0.5000	0.516	µg/L	103%	75-125
1200911-CCB5		0.003	µg/L		
1200911-CCV6	0.5000	0.523	µg/L	105%	75-125
1200911-CCB6		0.002	µg/L		
1200911-CCV7	1.000	1.058	µg/L	106%	75-125
1200911-CCB7		-0.003	µg/L		
1200911-CCV8	1.000	1.037	µg/L	104%	75-125
1200911-CCB8		-0.005	µg/L		
1200911-CCV9	1.000	1.017	µg/L	102%	75-125
1200911-CCB9		0.003	µg/L		
1200911-CCVA	1.000	1.077	µg/L	108%	75-125
1200911-CCBA		-0.006	µg/L		
1200911-CCVB	1.000	1.094	µg/L	109%	75-125
1200911-CCBB		-0.004	µg/L		
1200911-CCVC	1.000	1.074	µg/L	107%	75-125
1200911-CCBC		-0.002	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

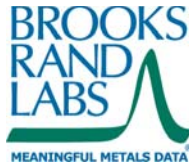
Instrument Calibration

Sequence: 1200911
Instrument: ICP-MS-2
Date: 12/08/2012
Analyte: Cd 114

Trace Metals by ICP-MS
Method: EPA 1638

Lab ID	True Value	Result	Units	REC & Limits
1200911-CCVD	1.000	1.046	µg/L	105% 75-125
1200911-CCBD		0.00004	µg/L	
1200911-CCVE	1.000	1.069	µg/L	107% 75-125
1200911-CCBE		-0.001	µg/L	

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

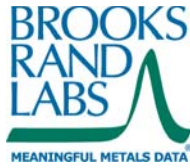
Instrument Calibration

Sequence: 1200911
Instrument: ICP-MS-2
Date: 12/08/2012
Analyte: Cu 63

Trace Metals by ICP-MS
Method: EPA 1638

Lab ID	True Value	Result	Units	REC & Limits	
1200911-ICB1		0.00	µg/L		
1200911-CAL1	0.1000	0.10	µg/L	98%	
1200911-CAL2	0.2000	0.21	µg/L	103%	
1200911-CAL3	1.000	0.99	µg/L	99%	
1200911-CAL4	5.000	5.18	µg/L	104%	
1200911-CAL5	10.00	10.38	µg/L	104%	
1200911-CAL6	50.00	49.83	µg/L	100%	
1200911-CAL7	100.0	97.29	µg/L	97%	
1200911-CAL8	200.0	189.2	µg/L	95%	
1200911-ICB2		0.02	µg/L		
1200911-ICV1	5.000	4.74	µg/L	95%	85-115
1200911-ICB3		0.002	µg/L		
1200911-IBL1		0.005	µg/L		
1200911-IBL2		0.005	µg/L		
1200911-IBL3		0.009	µg/L		
1200911-IBL4		0.005	µg/L		
1200911-SCV1	22.76	22.88	µg/L	101%	75-125
1200911-CCV1	5.000	5.22	µg/L	104%	75-125
1200911-CCB1		0.003	µg/L		
1200911-CCV2	5.000	5.32	µg/L	106%	75-125
1200911-CCB2		0.008	µg/L		
1200911-CCV3	5.000	5.31	µg/L	106%	75-125
1200911-CCB3		0.008	µg/L		
1200911-CCV4	5.000	5.28	µg/L	106%	75-125
1200911-CCB4		0.006	µg/L		
1200911-CCV5	5.000	5.28	µg/L	106%	75-125
1200911-CCB5		0.004	µg/L		
1200911-CCV6	5.000	5.25	µg/L	105%	75-125
1200911-CCB6		0.004	µg/L		
1200911-CCV7	10.00	10.29	µg/L	103%	75-125
1200911-CCB7		0.004	µg/L		
1200911-CCV8	10.00	10.42	µg/L	104%	75-125
1200911-CCB8		0.007	µg/L		
1200911-CCV9	10.00	10.42	µg/L	104%	75-125
1200911-CCB9		0.01	µg/L		
1200911-CCVA	10.00	10.34	µg/L	103%	75-125
1200911-CCBA		0.003	µg/L		
1200911-CCVB	10.00	10.56	µg/L	106%	75-125
1200911-CCBB		0.003	µg/L		
1200911-CCVC	10.00	10.54	µg/L	105%	75-125
1200911-CCBC		0.01	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

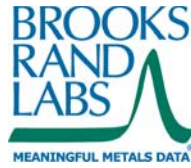
Instrument Calibration

Sequence: 1200911
Instrument: ICP-MS-2
Date: 12/08/2012
Analyte: Cu 63

Trace Metals by ICP-MS
Method: EPA 1638

Lab ID	True Value	Result	Units	REC & Limits
1200911-CCVD	10.00	10.44	µg/L	104% 75-125
1200911-CCBD		0.008	µg/L	
1200911-CCVE	10.00	10.44	µg/L	104% 75-125
1200911-CCBE		0.01	µg/L	

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

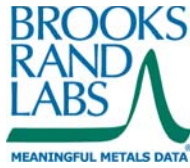
Instrument Calibration

Sequence: 1200911
Instrument: ICP-MS-2
Date: 12/08/2012
Analyte: Pb

Trace Metals by ICP-MS
Method: EPA 1638

Lab ID	True Value	Result	Units	REC & Limits	
1200911-ICB1		0.000	µg/L		
1200911-CAL1	0.02500	0.026	µg/L	102%	
1200911-CAL2	0.05000	0.047	µg/L	95%	
1200911-CAL3	0.2500	0.261	µg/L	104%	
1200911-CAL4	2.500	2.582	µg/L	103%	
1200911-CAL5	5.000	5.101	µg/L	102%	
1200911-CAL6	10.00	10.01	µg/L	100%	
1200911-CAL7	25.00	24.44	µg/L	98%	
1200911-CAL8	50.00	47.88	µg/L	96%	
1200911-ICB2		-0.001	µg/L		
1200911-ICV1	2.500	2.458	µg/L	98%	85-115
1200911-ICB3		-0.003	µg/L		
1200911-IBL1		-0.003	µg/L		
1200911-IBL2		-0.004	µg/L		
1200911-IBL3		-0.003	µg/L		
1200911-IBL4		-0.003	µg/L		
1200911-SCV1	19.63	20.15	µg/L	103%	75-125
1200911-CCV1	2.500	2.587	µg/L	103%	75-125
1200911-CCB1		-0.003	µg/L		
1200911-CCV2	2.500	2.567	µg/L	103%	75-125
1200911-CCB2		-0.002	µg/L		
1200911-CCV3	2.500	2.587	µg/L	103%	75-125
1200911-CCB3		-0.002	µg/L		
1200911-CCV4	2.500	2.556	µg/L	102%	75-125
1200911-CCB4		-0.002	µg/L		
1200911-CCV5	2.500	2.554	µg/L	102%	75-125
1200911-CCB5		-0.001	µg/L		
1200911-CCV6	2.500	2.570	µg/L	103%	75-125
1200911-CCB6		-0.001	µg/L		
1200911-CCV7	5.000	5.043	µg/L	101%	75-125
1200911-CCB7		-0.002	µg/L		
1200911-CCV8	5.000	5.036	µg/L	101%	75-125
1200911-CCB8		-0.002	µg/L		
1200911-CCV9	5.000	5.040	µg/L	101%	75-125
1200911-CCB9		-0.001	µg/L		
1200911-CCVA	5.000	5.078	µg/L	102%	75-125
1200911-CCBA		-0.001	µg/L		
1200911-CCVB	5.000	5.066	µg/L	101%	75-125
1200911-CCBB		-0.002	µg/L		
1200911-CCVC	5.000	5.099	µg/L	102%	75-125
1200911-CCBC		-0.0008	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater



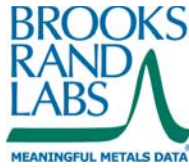
BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Instrument Calibration

Sequence: 1200911
Instrument: ICP-MS-2
Date: 12/08/2012
Analyte: Pb

Trace Metals by ICP-MS
Method: EPA 1638

Lab ID	True Value	Result	Units	REC & Limits
1200911-CCVD	5.000	5.122	µg/L	102% 75-125
1200911-CCBD		-0.002	µg/L	
1200911-CCVE	5.000	5.106	µg/L	102% 75-125
1200911-CCBE		-0.003	µg/L	



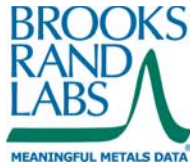
Instrument Calibration

Sequence: 1200911
 Instrument: ICP-MS-2
 Date: 12/08/2012
 Analyte: Tl

Trace Metals by ICP-MS
 Method: EPA 1638

Lab ID	True Value	Result	Units	REC & Limits	
1200911-ICB1		0.000	µg/L		
1200911-CAL1	0.01000	0.010	µg/L	100%	
1200911-CAL2	0.02000	0.020	µg/L	99%	
1200911-CAL3	0.1000	0.100	µg/L	100%	
1200911-CAL4	0.2500	0.257	µg/L	103%	
1200911-CAL5	0.5000	0.506	µg/L	101%	
1200911-CAL6	2.500	2.490	µg/L	100%	
1200911-CAL7	5.000	4.947	µg/L	99%	
1200911-CAL8	10.00	9.815	µg/L	98%	
1200911-ICB2		0.0002	µg/L		
1200911-ICV1	0.2500	0.238	µg/L	95%	85-115
1200911-ICB3		-0.0005	µg/L		
1200911-IBL1		-0.0004	µg/L		
1200911-IBL2		-0.001	µg/L		
1200911-IBL3		-0.0005	µg/L		
1200911-IBL4		-0.0009	µg/L		
1200911-SCV1	7.445	7.557	µg/L	102%	75-125
1200911-CCV1	0.2500	0.263	µg/L	105%	75-125
1200911-CCB1		-0.0009	µg/L		
1200911-CCV2	0.2500	0.258	µg/L	103%	75-125
1200911-CCB2		-0.001	µg/L		
1200911-CCV3	0.2500	0.255	µg/L	102%	75-125
1200911-CCB3		-0.0009	µg/L		
1200911-CCV4	0.2500	0.249	µg/L	100%	75-125
1200911-CCB4		-0.0006	µg/L		
1200911-CCV5	0.2500	0.259	µg/L	104%	75-125
1200911-CCB5		-0.001	µg/L		
1200911-CCV6	0.2500	0.259	µg/L	103%	75-125
1200911-CCB6		-0.0005	µg/L		
1200911-CCV7	0.5000	0.516	µg/L	103%	75-125
1200911-CCB7		-0.0008	µg/L		
1200911-CCV8	0.5000	0.509	µg/L	102%	75-125
1200911-CCB8		-0.0006	µg/L		
1200911-CCV9	0.5000	0.516	µg/L	103%	75-125
1200911-CCB9		-0.0003	µg/L		
1200911-CCVA	0.5000	0.524	µg/L	105%	75-125
1200911-CCBA		-0.0007	µg/L		
1200911-CCVB	0.5000	0.518	µg/L	104%	75-125
1200911-CCBB		-0.001	µg/L		
1200911-CCVC	0.5000	0.515	µg/L	103%	75-125
1200911-CCBC		-0.0008	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Instrument Calibration

Sequence: 1200911
Instrument: ICP-MS-2
Date: 12/08/2012
Analyte: Tl

Trace Metals by ICP-MS
Method: EPA 1638

Lab ID	True Value	Result	Units	REC & Limits
1200911-CCVD	0.5000	0.510	µg/L	102% 75-125
1200911-CCBD		-0.0008	µg/L	
1200911-CCVE	0.5000	0.526	µg/L	105% 75-125
1200911-CCBE		-0.001	µg/L	



Instrument Calibration

Sequence: 1200959
 Instrument: ICP-MS-2
 Date: 12/23/2012
 Analyte: Cd 114

Trace Metals by ICP-MS
 Method: EPA 1640 Column

Lab ID	True Value	Result	Units	REC & Limits	
1200959-ICB1		0.000	ng/L		
1200959-CAL2	20.00	19.96	ng/L	100%	
1200959-CAL3	50.00	50.09	ng/L	100%	
1200959-CAL4	100.0	100.5	ng/L	100%	
1200959-CAL5	500.0	504.8	ng/L	101%	
1200959-CAL6	1000	998.5	ng/L	100%	
1200959-CAL7	5000	4938	ng/L	99%	
1200959-ICB2		8.592	ng/L		
1200959-ICV1	50.00	56.19	ng/L	112%	85-115
1200959-ICB3		-0.4036	ng/L		
1200959-IBL1		0.0011	ng/L		
1200959-IBL2		-0.4625	ng/L		
1200959-IBL3		-0.3272	ng/L		
1200959-IBL4		-0.4456	ng/L		
1200959-SCV1	48.00	47.96	ng/L	100%	75-125
1200959-SCV2	21.50	16.82	ng/L	78%	75-125
1200959-CCV1	100.0	102.7	ng/L	103%	75-125
1200959-CCB1		-0.4035	ng/L		
1200959-CCV2	100.0	103.6	ng/L	104%	75-125
1200959-CCB2		-0.1497	ng/L		
1200959-CCV3	100.0	103.0	ng/L	103%	75-125
1200959-CCB3		-0.3872	ng/L		
1200959-CCV4	100.0	107.2	ng/L	107%	75-125
1200959-CCB4		-0.1410	ng/L		
1200959-CCV6	100.0	107.5	ng/L	108%	75-125
1200959-CCB6		-0.4532	ng/L		
1200959-CCV7	100.0	106.9	ng/L	107%	75-125
1200959-CCB7		-0.4570	ng/L		
1200959-CCV8	100.0	112.4	ng/L	112%	75-125
1200959-CCB8		-0.3813	ng/L		
1200959-CCV9	500.0	548.1	ng/L	110%	75-125
1200959-CCB9		-0.4448	ng/L		
1200959-CCVA	500.0	543.0	ng/L	109%	75-125
1200959-CCBA		-0.3222	ng/L		
1200959-CCVB	500.0	562.9	ng/L	113%	75-125
1200959-CCBB		-0.2486	ng/L		
1200959-CCVC	500.0	541.2	ng/L	108%	75-125
1200959-CCBC		-0.3690	ng/L		
1200959-CCVD	500.0	522.0	ng/L	104%	75-125
1200959-CCBD		-0.3706	ng/L		



Instrument Calibration

Sequence: 1200959
 Instrument: ICP-MS-2
 Date: 12/23/2012
 Analyte: Cu 63

Trace Metals by ICP-MS
 Method: EPA 1640 Column

Lab ID	True Value	Result	Units	REC & Limits	
1200959-ICB1		0.000	ng/L		
1200959-CAL2	20.00	19.71	ng/L	99%	
1200959-CAL3	50.00	51.88	ng/L	104%	
1200959-CAL4	100.0	100.2	ng/L	100%	
1200959-CAL5	500.0	491.7	ng/L	98%	
1200959-CAL6	1000	991.2	ng/L	99%	
1200959-CAL7	5000	5002	ng/L	100%	
1200959-ICB2		116.8	ng/L		
1200959-ICV1	500.0	522.0	ng/L	104%	85-115
1200959-ICB3		-1.256	ng/L		
1200959-IBL1		0.2352	ng/L		
1200959-IBL2		-2.911	ng/L		
1200959-IBL3		-3.059	ng/L		
1200959-IBL4		-2.714	ng/L		
1200959-SCV1	1550	1606	ng/L	104%	75-125
1200959-SCV2	380.0	355.3	ng/L	94%	75-125
1200959-CCV1	100.0	100.8	ng/L	101%	75-125
1200959-CCB1		-2.333	ng/L		
1200959-CCV2	100.0	105.4	ng/L	105%	75-125
1200959-CCB2		-0.0689	ng/L		
1200959-CCV3	100.0	105.4	ng/L	105%	75-125
1200959-CCB3		-2.975	ng/L		
1200959-CCV4	100.0	107.3	ng/L	107%	75-125
1200959-CCB4		-1.793	ng/L		
1200959-CCV5	100.0	103.9	ng/L	104%	75-125
1200959-CCB5		-2.163	ng/L		
1200959-CCV6	100.0	107.0	ng/L	107%	75-125
1200959-CCB6		-2.824	ng/L		
1200959-CCV7	100.0	103.8	ng/L	104%	75-125
1200959-CCB7		-3.167	ng/L		
1200959-CCV8	100.0	140.8	ng/L	141%	75-125
1200959-CCB8		9.336	ng/L		
1200959-CCV9	500.0	507.8	ng/L	102%	75-125
1200959-CCB9		-2.319	ng/L		
1200959-CCVA	500.0	523.7	ng/L	105%	75-125
1200959-CCBA		-1.959	ng/L		
1200959-CCVB	500.0	518.5	ng/L	104%	75-125
1200959-CCBB		-2.131	ng/L		
1200959-CCVC	500.0	482.0	ng/L	96%	75-125
1200959-CCBC		-0.9980	ng/L		
1200959-CCVD	500.0	466.0	ng/L	93%	75-125

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Instrument Calibration

Sequence: 1200959
Instrument: ICP-MS-2
Date: 12/23/2012
Analyte: Cu 63

Trace Metals by ICP-MS
Method: EPA 1640 Column

Lab ID	True Value	Result	Units	REC & Limits
1200959-CCBD		-1.504	ng/L	



Instrument Calibration

Sequence: 1200959
 Instrument: ICP-MS-2
 Date: 12/23/2012
 Analyte: Pb

Trace Metals by ICP-MS
 Method: EPA 1640 Column

Lab ID	True Value	Result	Units	REC & Limits	
1200959-ICB1		0.000	ng/L		
1200959-CAL2	20.00	20.29	ng/L	101%	
1200959-CAL3	50.00	49.32	ng/L	99%	
1200959-CAL4	100.0	96.73	ng/L	97%	
1200959-CAL5	500.0	476.5	ng/L	95%	
1200959-CAL6	1000	924.3	ng/L	92%	
1200959-CAL7	5000	5771	ng/L	115%	
1200959-ICB2		13.05	ng/L		
1200959-ICV1	250.0	249.8	ng/L	100%	85-115
1200959-ICB3		1.422	ng/L		
1200959-IBL1		0.0105	ng/L		
1200959-IBL2		0.2952	ng/L		
1200959-IBL3		0.3937	ng/L		
1200959-IBL4		0.1472	ng/L		
1200959-SCV1	9.000	6.979	ng/L	78%	75-125
1200959-SCV2	11.00	8.719	ng/L	79%	75-125
1200959-CCV1	100.0	96.29	ng/L	96%	75-125
1200959-CCB1		0.3887	ng/L		
1200959-CCV2	100.0	97.67	ng/L	98%	75-125
1200959-CCB2		0.2720	ng/L		
1200959-CCV3	100.0	98.03	ng/L	98%	75-125
1200959-CCB3		-0.1553	ng/L		
1200959-CCV4	100.0	101.2	ng/L	101%	75-125
1200959-CCB4		-0.3141	ng/L		
1200959-CCV5	100.0	100.1	ng/L	100%	75-125
1200959-CCB5		-0.1356	ng/L		
1200959-CCV6	100.0	99.53	ng/L	100%	75-125
1200959-CCB6		-0.5475	ng/L		
1200959-CCV7	100.0	98.41	ng/L	98%	75-125
1200959-CCB7		-0.6535	ng/L		
1200959-CCV8	100.0	100.8	ng/L	101%	75-125
1200959-CCB8		-0.0682	ng/L		
1200959-CCV9	500.0	489.3	ng/L	98%	75-125
1200959-CCB9		0.2567	ng/L		
1200959-CCVA	500.0	487.6	ng/L	98%	75-125
1200959-CCBA		-0.0833	ng/L		
1200959-CCVB	500.0	503.4	ng/L	101%	75-125
1200959-CCBB		-0.0419	ng/L		
1200959-CCVC	500.0	480.4	ng/L	96%	75-125
1200959-CCBC		0.2310	ng/L		
1200959-CCVD	500.0	467.3	ng/L	93%	75-125

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Instrument Calibration

Sequence: 1200959
Instrument: ICP-MS-2
Date: 12/23/2012
Analyte: Pb

Trace Metals by ICP-MS
Method: EPA 1640 Column

Lab ID	True Value	Result	Units	REC & Limits
1200959-CCBD		0.0550	ng/L	



Instrument Calibration

Sequence: 1200980
 Instrument: ICP-MS-2
 Date: 12/31/2012
 Analyte: Cd 114

Trace Metals by ICP-MS
 Method: EPA 1640 Column

Lab ID	True Value	Result	Units	REC & Limits	
1200980-ICB1		0.000	ng/L		
1200980-CAL1	10.00	10.10	ng/L	101%	
1200980-CAL2	20.00	19.77	ng/L	99%	
1200980-CAL3	50.00	48.89	ng/L	98%	
1200980-CAL4	100.0	100.4	ng/L	100%	
1200980-CAL5	500.0	505.2	ng/L	101%	
1200980-CAL6	1000	1014	ng/L	101%	
1200980-CAL7	5000	4979	ng/L	100%	
1200980-ICB2		6.177	ng/L		
1200980-ICV1	50.00	56.77	ng/L	114%	85-115
1200980-ICB3		1.206	ng/L		
1200980-IBL1		0.8324	ng/L		
1200980-IBL2		0.7773	ng/L		
1200980-IBL3		0.7528	ng/L		
1200980-IBL4		0.7975	ng/L		
1200980-SCV1	48.00	49.55	ng/L	103%	75-125
1200980-SCV2	21.50	16.89	ng/L	79%	75-125
1200980-CCV1	100.0	104.5	ng/L	104%	75-125
1200980-CCB1		0.8443	ng/L		
1200980-CCV2	100.0	107.5	ng/L	107%	75-125
1200980-CCB2		1.292	ng/L		
1200980-CCV3	100.0	107.0	ng/L	107%	75-125
1200980-CCB3		0.9485	ng/L		
1200980-CCV4	100.0	108.6	ng/L	109%	75-125
1200980-CCB4		0.9286	ng/L		
1200980-CCV5	100.0	105.4	ng/L	105%	75-125
1200980-CCB5		0.8685	ng/L		
1200980-CCV6	100.0	119.7	ng/L	120%	75-125
1200980-CCB6		0.8738	ng/L		
1200980-CCV7	500.0	587.2	ng/L	117%	75-125
1200980-CCB7		0.9000	ng/L		
1200980-CCV8	500.0	621.6	ng/L	124%	75-125
1200980-CCB8		0.9582	ng/L		
1200980-CCV9	500.0	649.5	ng/L	130%	75-125
1200980-CCB9		0.8476	ng/L		
1200980-CCVA	500.0	680.9	ng/L	136%	75-125
1200980-CCBA		1.047	ng/L		
1200980-CCVB	500.0	568.8	ng/L	114%	75-125
1200980-CCBB		0.8826	ng/L		



Instrument Calibration

Sequence: 1200980
 Instrument: ICP-MS-2
 Date: 12/31/2012
 Analyte: Pb

Trace Metals by ICP-MS
 Method: EPA 1640 Column

Lab ID	True Value	Result	Units	REC & Limits	
1200980-ICB1		0.000	ng/L		
1200980-CAL1	10.00	10.00	ng/L	100%	
1200980-CAL2	20.00	19.86	ng/L	99%	
1200980-CAL3	50.00	50.82	ng/L	102%	
1200980-CAL4	100.0	100.2	ng/L	100%	
1200980-CAL5	500.0	499.9	ng/L	100%	
1200980-CAL6	1000	988.9	ng/L	99%	
1200980-ICB2		9.948	ng/L		
1200980-ICV1	250.0	260.5	ng/L	104%	85-115
1200980-ICB3		2.056	ng/L		
1200980-IBL1		0.3237	ng/L		
1200980-IBL2		0.5323	ng/L		
1200980-IBL3		0.4962	ng/L		
1200980-IBL4		0.5760	ng/L		
1200980-SCV1	9.000	7.848	ng/L	87%	75-125
1200980-SCV2	11.00	9.645	ng/L	88%	75-125
1200980-CCV1	100.0	103.3	ng/L	103%	75-125
1200980-CCB1		2.058	ng/L		
1200980-CCV2	100.0	106.6	ng/L	107%	75-125
1200980-CCB2		2.097	ng/L		
1200980-CCV3	100.0	105.0	ng/L	105%	75-125
1200980-CCB3		1.860	ng/L		
1200980-CCV4	100.0	108.2	ng/L	108%	75-125
1200980-CCB4		3.031	ng/L		
1200980-CCV5	100.0	109.8	ng/L	110%	75-125
1200980-CCB5		3.182	ng/L		
1200980-CCV6	100.0	122.4	ng/L	122%	75-125
1200980-CCB6		3.276	ng/L		
1200980-CCV7	500.0	589.4	ng/L	118%	75-125
1200980-CCB7		3.039	ng/L		
1200980-CCV8	500.0	631.4	ng/L	126%	75-125
1200980-CCB8		3.447	ng/L		
1200980-CCV9	500.0	655.8	ng/L	131%	75-125
1200980-CCB9		3.509	ng/L		
1200980-CCVA	500.0	708.9	ng/L	142%	75-125
1200980-CCBA		4.260	ng/L		
1200980-CCVB	500.0	585.1	ng/L	117%	75-125
1200980-CCBB		2.631	ng/L		



Instrument Calibration

Sequence: 1300016
 Instrument: ICP-MS-2
 Date: 01/06/2013
 Analyte: Cu 65

Trace Metals by ICP-MS
 Method: EPA 1640 Column

Lab ID	True Value	Result	Units	REC & Limits	
1300016-ICB1		0.000	ng/L		
1300016-CAL1	10.00	9.824	ng/L	98%	
1300016-CAL2	20.00	21.13	ng/L	106%	
1300016-CAL3	50.00	48.43	ng/L	97%	
1300016-CAL4	100.0	96.37	ng/L	96%	
1300016-CAL5	500.0	477.6	ng/L	96%	
1300016-CAL6	1000	1020	ng/L	102%	
1300016-CAL7	5000	5268	ng/L	105%	
1300016-ICB2		203.7	ng/L		
1300016-ICV1	500.0	537.3	ng/L	107%	85-115
1300016-ICB3		6.162	ng/L		
1300016-IBL1		0.0072	ng/L		
1300016-IBL2		-1.060	ng/L		
1300016-IBL3		-2.705	ng/L		
1300016-IBL4		-2.973	ng/L		
1300016-SCV1	1550	1232	ng/L	79%	75-125
1300016-SCV2	380.0	337.4	ng/L	89%	75-125
1300016-CCV1	100.0	115.8	ng/L	116%	75-125
1300016-CCB1		5.536	ng/L		
1300016-CCV2	100.0	173.2	ng/L	173%	75-125
1300016-CCB2		18.19	ng/L		
1300016-CCV3	100.0	125.5	ng/L	126%	75-125
1300016-CCB3		3.045	ng/L		
1300016-CCV4	100.0	127.3	ng/L	127%	75-125
1300016-CCB4		3.410	ng/L		
1300016-CCV5	500.0	534.5	ng/L	107%	75-125
1300016-CCB5		13.35	ng/L		
1300016-CCV6	500.0	592.5	ng/L	119%	75-125
1300016-CCB6		12.82	ng/L		
1300016-CCV7	500.0	546.5	ng/L	109%	75-125
1300016-CCB7		7.067	ng/L		
1300016-CCV8	500.0	586.5	ng/L	117%	75-125
1300016-CCB8		3.185	ng/L		
1300016-CCV9	500.0	540.5	ng/L	108%	75-125
1300016-CCB9		1.548	ng/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Sample Containers

Lab ID: 1245005-01 Sample: GSL 2267			Report Matrix: Brine Shrimp Sample Type: Sample		Collected: 10/29/2012 Received: 11/06/2012
Des Container A Client-Provided	Size 500 mL	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Cooler 1
Lab ID: 1245005-02 Sample: GSL @ Farm Bay			Report Matrix: Brine Shrimp Sample Type: Sample		Collected: 10/29/2012 Received: 11/06/2012
Des Container A Client-Provided	Size 500 mL	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Cooler 1
Lab ID: 1245005-03 Sample: N1018			Report Matrix: Brine Shrimp Sample Type: Sample		Collected: 10/30/2012 Received: 11/06/2012
Des Container A Client-Provided	Size 500 mL	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Cooler 1
Lab ID: 1245005-04 Sample: GSL 2565			Report Matrix: Brine Shrimp Sample Type: Sample		Collected: 10/30/2012 Received: 11/06/2012
Des Container A Client-Provided	Size 500 mL	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Cooler 1
Lab ID: 1245005-05 Sample: GSL 2820			Report Matrix: Brine Shrimp Sample Type: Sample		Collected: 10/30/2012 Received: 11/06/2012
Des Container A Client-Provided	Size 500 mL	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Cooler 1
Lab ID: 1245005-06 Sample: GSL 2767			Report Matrix: Brine Shrimp Sample Type: Sample		Collected: 10/31/2012 Received: 11/06/2012
Des Container A Client-Provided	Size 500 mL	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Cooler 1



Sample Containers

Lab ID: 1245005-07
 Sample: GSL 4069

Report Matrix: Brine Shrimp
 Sample Type: Sample

Collected: 11/02/2012
 Received: 11/06/2012

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

Lab ID: 1245005-08
 Sample: GSL 3510

Report Matrix: Brine Shrimp
 Sample Type: Sample

Collected: 11/02/2012
 Received: 11/06/2012

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

Lab ID: 1245005-09
 Sample: GSL 2267 UBL

Report Matrix: Great Salt Lake
 Sample Type: Sample

Collected: 10/29/2012
 Received: 11/06/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	none	n/a		Cooler 2
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1237045	<2	Cooler 2
C	Bottle HDPE ICP-RP	1 L	12-273	0.2% HNO3 (BRL)	1237106	<2	Cooler 2
D	Bottle HDPE ICP-ChelC	125 mL	12-266	1.0% HNO3 (BRL)	1237106	<2	Cooler 2

Comments: Split from 1L RP Container

Lab ID: 1245005-10
 Sample: GSL 2267 DBL

Report Matrix: Great Salt Lake
 Sample Type: Sample

Collected: 10/29/2012
 Received: 11/06/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	none	n/a		Cooler 2
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1237045	<2	Cooler 2
C	Bottle HDPE ICP-RP	1 L	12-273	0.2% HNO3 (BRL)	1237106	<2	Cooler 2
D	Bottle HDPE ICP-ChelC	125 mL	12-266	1.0% HNO3 (BRL)	1237106	<2	Cooler 2

Comments: Split from 1L RP Container

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Sample Containers

Lab ID: 1245005-11
Sample: GSL @ Farm Bay UBL

Report Matrix: Great Salt Lake
Sample Type: Sample

Collected: 10/29/2012
Received: 11/06/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	none	n/a		Cooler 2
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1237045	<2	Cooler 2
C	Bottle HDPE ICP-RP	1 L	12-273	0.2% HNO3 (BRL)	1237106	<2	Cooler 2
D	Bottle HDPE ICP-CheIC	125 mL	12-266	1.0% HNO3 (BRL)	1237106	<2	Cooler 2

Comments: Split from 1L RP Container

Lab ID: 1245005-12
Sample: GSL @ Farm Bay DBL

Report Matrix: Great Salt Lake
Sample Type: Sample

Collected: 10/29/2012
Received: 11/06/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	none	n/a		Cooler 2
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1237045	<2	Cooler 2
C	Bottle HDPE ICP-RP	1 L	12-273	0.2% HNO3 (BRL)	1237106	<2	Cooler 2
D	Bottle HDPE ICP-CheIC	125 mL	12-266	1.0% HNO3 (BRL)	1237106	<2	Cooler 2

Comments: Split from 1L RP Container

Lab ID: 1245005-13
Sample: N1018 UBL

Report Matrix: Great Salt Lake
Sample Type: Sample

Collected: 10/30/2012
Received: 11/06/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	none	n/a		Cooler 2
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1237045	<2	Cooler 2
C	Bottle HDPE ICP-RP	1 L	12-273	0.2% HNO3 (BRL)	1237106	<2	Cooler 2
D	Bottle HDPE ICP-CheIC	125 mL	12-266	1.0% HNO3 (BRL)	1237106	<2	Cooler 2

Comments: Split from 1L RP Container

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Sample Containers

Lab ID: 1245005-14		Report Matrix: Great Salt Lake				Collected: 10/30/2012	
Sample: N1018 DBL		Sample Type: Sample				Received: 11/06/2012	
Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	none	n/a		Cooler 2
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1237045	<2	Cooler 2
C	Bottle HDPE ICP-RP	1 L	12-273	0.2% HNO3 (BRL)	1237106	<2	Cooler 2
D	Bottle HDPE ICP-ChelC	125 mL	12-266	1.0% HNO3 (BRL)	1237106	<2	Cooler 2
Comments: Split from 1L RP Container							

Lab ID: 1245005-15		Report Matrix: Great Salt Lake				Collected: 10/30/2012	
Sample: GSL 2565 UBL		Sample Type: Sample				Received: 11/06/2012	
Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	none	n/a		Cooler 2
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1237045	<2	Cooler 2
C	Bottle HDPE ICP-RP	1 L	12-273	0.2% HNO3 (BRL)	1237106	<2	Cooler 2
D	Bottle HDPE ICP-ChelC	125 mL	12-266	1.0% HNO3 (BRL)	1237106	<2	Cooler 2
Comments: Split from 1L RP Container							

Lab ID: 1245005-16		Report Matrix: Great Salt Lake				Collected: 10/30/2012	
Sample: GSL 2565 DBL		Sample Type: Sample				Received: 11/06/2012	
Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	none	n/a		Cooler 3
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1237045	<2	Cooler 3
C	Bottle HDPE ICP-RP	1 L	12-273	0.2% HNO3 (BRL)	1237106	<2	Cooler 3
D	Bottle HDPE ICP-ChelC	125 mL	12-266	1.0% HNO3 (BRL)	1237106	<2	Cooler 3
Comments: Split from 1L RP Container							

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Sample Containers

Lab ID: 1245005-17
Sample: GSL 2820 UBL

Report Matrix: Great Salt Lake
Sample Type: Sample

Collected: 10/30/2012
Received: 11/06/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	none	n/a		Cooler 3
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1237045	<2	Cooler 3
C	Bottle HDPE ICP-RP	1 L	12-273	0.2% HNO3 (BRL)	1237106	<2	Cooler 3
D	Bottle HDPE ICP-ChelC	125 mL	12-266	1.0% HNO3 (BRL)	1237106	<2	Cooler 3

Comments: Split from 1L RP Container

Lab ID: 1245005-18
Sample: GSL 2820 DBL

Report Matrix: Great Salt Lake
Sample Type: Sample

Collected: 10/30/2012
Received: 11/06/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	none	n/a		Cooler 3
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1237045	<2	Cooler 3
C	Bottle HDPE ICP-RP	1 L	12-273	0.2% HNO3 (BRL)	1237106	<2	Cooler 3
D	Bottle HDPE ICP-ChelC	125 mL	12-266	1.0% HNO3 (BRL)	1237106	<2	Cooler 3

Comments: Split from 1L RP Container

Lab ID: 1245005-19
Sample: GSL 2767 UBL

Report Matrix: Great Salt Lake
Sample Type: Sample

Collected: 10/31/2012
Received: 11/06/2012

Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	none	n/a		Cooler 3
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1237045	<2	Cooler 3
C	Bottle HDPE ICP-RP	1 L	12-273	0.2% HNO3 (BRL)	1237106	<2	Cooler 3
D	Bottle HDPE ICP-ChelC	125 mL	12-266	1.0% HNO3 (BRL)	1237106	<2	Cooler 3

Comments: Split from 1L RP Container



Sample Containers

Lab ID: 1245005-20		Report Matrix: Great Salt Lake				Collected: 10/31/2012	
Sample: GSL 2767 DBL		Sample Type: Sample				Received: 11/06/2012	
Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	none	n/a		Cooler 3
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1237045	<2	Cooler 3
C	Bottle HDPE ICP-RP	1 L	12-273	0.2% HNO3 (BRL)	1237106	<2	Cooler 3
D	Bottle HDPE ICP-ChelC	125 mL	12-266	1.0% HNO3 (BRL)	1237106	<2	Cooler 3
Comments: Split from 1L RP Container							

Lab ID: 1245005-21		Report Matrix: Great Salt Lake				Collected: 11/02/2012	
Sample: GSL 4069 UBL		Sample Type: Sample				Received: 11/06/2012	
Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	none	n/a		Cooler 3
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1237045	<2	Cooler 3
C	Bottle HDPE ICP-RP	1 L	12-273	0.2% HNO3 (BRL)	1237106	<2	Cooler 3
D	Bottle HDPE ICP-ChelC	125 mL	12-266	1.0% HNO3 (BRL)	1237106	<2	Cooler 3
Comments: Split from 1L RP Container							

Lab ID: 1245005-22		Report Matrix: Great Salt Lake				Collected: 11/02/2012	
Sample: GSL 4069 DBL		Sample Type: Sample				Received: 11/06/2012	
Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	none	n/a		Cooler 3
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1237045	<2	Cooler 3
C	Bottle HDPE ICP-RP	1 L	12-273	0.2% HNO3 (BRL)	1237106	<2	Cooler 3
D	Bottle HDPE ICP-ChelC	125 mL	12-266	1.0% HNO3 (BRL)	1237106	<2	Cooler 3
Comments: Split from 1L RP Container							



Sample Containers

Lab ID: 1245005-23		Report Matrix: Great Salt Lake				Collected: 11/02/2012	
Sample: GSL 3510 UBL		Sample Type: Sample				Received: 11/06/2012	
Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	none	n/a		Cooler 3
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1237045	<2	Cooler 3
C	Bottle HDPE ICP-RP	1 L	12-273	0.2% HNO3 (BRL)	1237106	<2	Cooler 3
D	Bottle HDPE ICP-ChelC	125 mL	12-266	1.0% HNO3 (BRL)	1237106	<2	Cooler 3
Comments: Split from 1L RP Container							

Lab ID: 1245005-24		Report Matrix: Great Salt Lake				Collected: 11/02/2012	
Sample: GSL 3510 DBL		Sample Type: Sample				Received: 11/06/2012	
Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	none	n/a		Cooler 3
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1237045	<2	Cooler 3
C	Bottle HDPE ICP-RP	1 L	12-273	0.2% HNO3 (BRL)	1237106	<2	Cooler 3
D	Bottle HDPE ICP-ChelC	125 mL	12-266	1.0% HNO3 (BRL)	1237106	<2	Cooler 3
Comments: Split from 1L RP Container							

Lab ID: 1245005-25		Report Matrix: Great Salt Lake				Collected: 11/02/2012	
Sample: GSL 4069 UBL (2)		Sample Type: Sample				Received: 11/06/2012	
Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	none	n/a		Cooler 3
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1237045	<2	Cooler 3
C	Bottle HDPE ICP-RP	1 L	12-273	0.2% HNO3 (BRL)	1237106	<2	Cooler 3
D	Bottle HDPE ICP-ChelC	125 mL	12-266	1.0% HNO3 (BRL)	1237106	<2	Cooler 3
Comments: Split from 1L RP Container							

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1245005
Client PM: Jodi Gardberg
Client PO: SS12208

Sample Containers

Lab ID: 1245005-26		Report Matrix: DIW		Collected: 11/02/2012			
Sample: GSL 4069 FB		Sample Type: Field Blank		Received: 11/06/2012			
Des	Container	Size	Lot	Preservation	P-Lot	pH	Ship. Cont.
A	Bottle FLPE Hg-T	250 mL	71659890 20	none	n/a		Cooler 3
B	Bottle FLPE Hg-SP	250 mL	71659890 20	1 mL 9N H2SO4 (PP)	1237045	<2	Cooler 3
C	Bottle HDPE ICP-RP	1 L	12-273	0.2% HNO3 (BRL)	1237106	<2	Cooler 3
D	Bottle HDPE ICP-ChelC	125 mL	12-266	1.0% HNO3 (BRL)	1237106	<2	Cooler 3
Comments: Split from 1L RP Container							

Shipping Containers

Cooler 1

Received: November 6, 2012 8:50
Tracking No: 8003 6800 1356 via FedEx
Coolant Type: None
Temperature: -0.4 °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: November 6, 2012 8:50
Tracking No: 8003 6800 1334 via FedEx
Coolant Type: None
Temperature: -0.5 °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: November 6, 2012 8:50
Tracking No: 8003 6800 1345 via FedEx
Coolant Type: None
Temperature: -0.4 °C

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

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



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 Fax: 206-632-6017

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Chain of Custody Record

1245005

White: LAB COPY
 Yellow: CUSTOMER COPY

Client: <i>USGS - UT Water Science Ctr.</i>	Address: <i>2329 West Orton Circle Salt Lake City, UT 84119</i>	COC receipt confirmation? <input checked="" type="radio"/> Y <input type="radio"/> N
Contact: <i>Tom Marston</i>		If so, by: <u>email</u> / fax (circle one)
Client project ID: <i>WSU-061101</i>		Email: <i>emarston@usgs.gov</i>
PO #:	Phone #: <i>801-908-5030</i>	Fax #:

Requested TAT in business days: <input checked="" type="checkbox"/> 20 (standard) <input type="checkbox"/> 15 <input type="checkbox"/> 10 <input type="checkbox"/> 5 <input type="checkbox"/> Other _____ <i>Surcharges apply for expedited turn around times.</i>	Collection		Miscellaneous				Field Preservation			Analyses required						Comments		
	Date	Time	Sampler (initials)	Matrix type	# of containers	Field filtered? (Y/N)	<u>Unpreserved</u> ice only	HCl / HNO ₃ (circle one)	Other (specify)	Total Hg, EPA 1631	Methyl Hg, EPA 1630	ICP-MS Metals (specify)	As / Se species (specify)	% Solids	Filtration		Other (specify)	Other (specify)
	Sample ID																	
	1	<i>GSL 2267</i>	<i>10/29/12</i>	<i>14:00</i>	<i>DA</i>	<i>Brine shrimp</i>	<i>1</i>	<i>Y</i>	<i>1</i>									<i>8 500mL bottles containing brine shrimp in env. water (unrinsed)</i>
	2	<i>GSL @ Farm Bay</i>	<i>10/29/12</i>	<i>15:45</i>	<i>DA</i>													
	3	<i>N1018</i>	<i>10/30/12</i>	<i>10:30</i>	<i>DA</i>													
	4	<i>GSL 2565</i>	<i>10/30/12</i>	<i>13:30</i>	<i>DA</i>													
	5	<i>GSL 2820</i>	<i>10/30/12</i>	<i>15:15</i>	<i>DA</i>													
	6	<i>GSL 2767</i>	<i>10/31/12</i>	<i>10:15</i>	<i>DA</i>													
	7	<i>GSL 4069</i>	<i>11/2/12</i>	<i>10:15</i>	<i>DA</i>													
	8	<i>GSL 3510</i>	<i>11/2/12</i>	<i>12:15</i>	<i>DA</i>													
	9																	
	10																	

Relinquished by: <i>Tom Marston</i>	Date: <i>11/5/12</i>	Time: <i>16:00</i>	Relinquished by:	Date:	Time:
Received by:	Date:	Time:	Received at BRL by: <i>[Signature]</i>	Date: <i>11/6/12</i>	Time: <i>0856</i>
Shipping carrier:	# of coolers:	BRL work order ID:	BRL project ID:		



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Chain of Custody Record

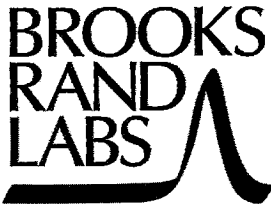
1245005

White: LAB COPY
 Yellow: CUSTOMER COPY

Client: <i>USGS - UT Water Science Ctr.</i>	Address: <i>2329 Orton Circle</i>	COC receipt confirmation? <input checked="" type="radio"/> Y <input type="radio"/> N
Contact: <i>Tom Marston</i>	<i>SLC, UT 84119</i>	If so, by: <u>email</u> / fax (circle one)
Client project ID: <i>WSU - 061101</i>		Email: <i>tmarston@usgs.gov</i>
PO #:	Phone #: <i>801-908-5030</i>	Fax #:

Requested TAT in business days: <input checked="" type="checkbox"/> 20 (standard) <input type="checkbox"/> 15 <input type="checkbox"/> 10 <input type="checkbox"/> 5 <input type="checkbox"/> Other _____ <small>Surcharges apply for expedited turn around times.</small>	Collection		Miscellaneous				Field Preservation			Analyses required							Comments		
	Date	Time	Sampler (initials)	Matrix type	# of containers	Field filtered? (Y/N)	Unpreserved / ice only	HCl / HNO ₃ (circle one)	Other (specify) <i>Mn, Hg, H₂SO₄</i>	Total Hg, EPA 1631	Methyl Hg, EPA 1630	ICP-MS Metals (specify)	As / Se species (specify)	% Solids	Filtration	Other (specify)		Other (specify)	
Sample ID																			
1	<i>GSL 2267 UBL</i>	<i>10/24/12 14:00</i>	<i>TM</i>	<i>H₂O</i>	<i>3</i>	<i>N</i>	<i>TM</i>	<i>TM</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>					<i>3 bottles per site:</i>	
2	<i>GSL 2267 DBL</i>	<i>10/24/12 14:30</i>																	<i>1 THg (unpreserved)</i>
3	<i>GSL @ Farm Bay UBL</i>	<i>10/24/12 15:45</i>																	<i>1 MeHg (preserved)</i>
4	<i>GSL @ Farm Bay DBL</i>	<i>10/24/12 16:15</i>																	<i>1 TMD (unpreserved)</i>
5	<i>N1018 UBL</i>	<i>10/30/12 10:30</i>																	
6	<i>N1018 DBL</i>	<i>10/30/12 11:00</i>																	
7	<i>GSL 2565 UBL</i>	<i>10/30/12 13:30</i>																	
8	<i>GSL 2565 DBL</i>	<i>10/30/12 14:00</i>																	
9	<i>GSL 2820 UBL</i>	<i>10/30/12 15:15</i>																	
10	<i>GSL 2820 DBL</i>	<i>10/30/12 15:30</i>																	

Relinquished by: <i>Tom Marston</i>	Date: <i>11/5/12</i>	Time: <i>16:00</i>	Relinquished by:	Date:	Time:
Received by:	Date:	Time:	Received at BRL by: <i>[Signature]</i>	Date: <i>11/6/12</i>	Time: <i>0850</i>
Shipping carrier:	# of coolers:	BRL work order ID:	BRL project ID:		



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Chain of Custody Record

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1245005

Client: <u>USGS-UT Water Science Ctr.</u>	Address: <u>2329 Orton Circle</u>	COC receipt confirmation? <input checked="" type="radio"/> Y <input type="radio"/> N
Contact: <u>Tom Marston</u>	<u>SL, UT 84119</u>	If so, by: <u>email</u> / fax (circle one)
Client project ID: <u>WSU-061101</u>	Phone #: <u>801-908-5030</u>	Email: <u>tmarston@usgs.gov</u>
PO #:	Fax #:	

Requested TAT in business days: <input checked="" type="checkbox"/> 20 (standard) <input type="checkbox"/> 15 <input type="checkbox"/> 10 <input type="checkbox"/> 5 <input type="checkbox"/> Other _____ <small>Surcharges apply for expedited turn around times.</small>	Collection		Miscellaneous				Field Preservation			Analyses required							Comments		
	Date	Time	Sampler (initials)	Matrix type	# of containers	Field filtered? (Y/N)	Unpreserved / ice only	HCl / HNO ₃ (circle one)	Other (specify) <u>Methy</u>	Total Hg, EPA 1631	Methyl Hg, EPA 1630	ICP-MS Metals (specify)	As / Se species (specify)	% Solids	Filtration	Other (specify)		Other (specify)	
Sample ID																			
1	<u>GSL 2767 UBL</u>	<u>10/21/12 10:15</u>	<u>TM</u>	<u>H₂O</u>	<u>3</u>	<u>N</u>	<u>TM</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>						<u>3 bottles per site:</u>	
2	<u>GSL 2767 DBL</u>	<u>10/21/12 10:45</u>																	<u>(1) THg (unpreserved)</u>
3	<u>GSL 4069 UBL</u>	<u>11/2/12 10:15</u>																	<u>(1) meth (preserved)</u>
4	<u>GSL 4069 DBL</u>	<u>11/2/12 11:00</u>																	<u>(1) TM (unpreserved)</u>
5	<u>GSL 3510 UBL</u>	<u>11/2/12 12:15</u>																	
6	<u>GSL 3510 DBL</u>	<u>11/2/12 12:45</u>																	
7	<u>GSL 4069 UBL (2)</u>	<u>11/2/12 10:16</u>																	
8	<u>GSL 4069 FB</u>	<u>11/2/12 9:45</u>																	
9																			
10																			

Relinquished by: <u>Tom Marston</u>	Date: <u>11/6/12</u>	Time: <u>16:00</u>	Relinquished by:	Date:	Time:
Received by:	Date:	Time:	Received at BRL by: <u>[Signature]</u>	Date: <u>11/6/12</u>	Time: <u>0850</u>
Shipping carrier:	# of coolers:	BRL work order ID:	BRL project ID:		

1L 12-273
250 7165989020

-0340c

00125
00400

FedEx NEW Package
Express US Airbill

FedEx Tracking Number 8003 6800 1356

RECIPIENT - PEEL HERE

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

Date 11/5/2012 FedEx Tracking Number 800368001356

Sender's Name UT-WSC 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 9CDB200

3 To Recipient's Name Tiffany Stilwater Phone 206 432-6006

Company Brooks Band Labs

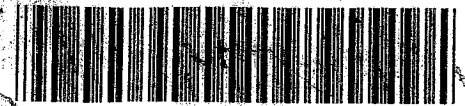
Address 3458 6th Avenue NW Dept./Floor/Suite/Room

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 1356

0215 Recipient's Copy

4 Express Package Service * To next business day. 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.
 - 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 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, 3, UN 1845 x kg Cargo Aircraft Only

7 Payment Bill to:

Sender Acct. No. in Section 1 will be billed. Recipient Third Party Credit Card Cash/Check. Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No. Total Packages Total Weight Credit Card Auth.

Your 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 1.800.463.3339

C2

-0.5°C

00123

00400

FedEx NEW Package
Express US Airbill

FedEx Tracking Number 8003 6800 1334

1 From This portion can be removed for Recipient's records.
Date 11/5/2012 FedEx Tracking Number 800368001334

Sender's Name UT-WSC Phone 801 908-5000

Company US GEOLOGICAL SURVEY WRD

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

City SALT LAKE CITY State UT ZIP 84119-2047

2 Your Internal Billing Reference 9C0B2000

3 To Recipient's Name Brooks Rand Labs Phone 206 1632-6200

Company Ann. Tiffany Stilwenter

Address 395B 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

0451335005



8003 6800 1334

Recipient's Copy

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

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.

FedEx Priority Overnight
Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Standard Overnight
Next business morning.* 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 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, UN 1845 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:
Sender Acct. No. in Billing will be billed. Recipient Third Party Credit Card Cash/Check

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

Total Packages Total Weight
1 lbs.

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

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C3

-0.4°C

00124

00400

FedEx NEW Package
Express US Airbill

FedEx Tracking Number 8003 6800 1345

1 From - This portion can be removed for Recipient's records.
Date 11/5/2012 FedEx Tracking Number 800368001345

Sender's Name UT-WSC 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 9C0B200

3 To Recipient's Name Tiffany Stilwater Phone 206 632-6206

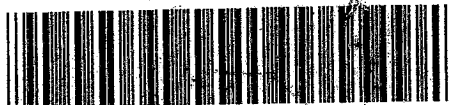
Company Brooks Band Labs

Address 3958 16th 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

0451335005



8003 6800 1345

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RECIPIENT: PEEL HERE

0215 Recipient's Copy

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
FedEx Priority Overnight
FedEx Standard Overnight
2 or 3 Business Days
NEW FedEx 2Day A.M.
FedEx 2Day
FedEx Express Saver

5 Packaging *Declared value limit \$500.
FedEx Envelope* FedEx Pak* FedEx Box FedEx Tube Other

6 Special Handling and Delivery Signature Options
SATURDAY Delivery
No Signature Required
Direct Signature
Indirect Signature
Does this shipment contain dangerous goods?
No Yes As per attached Shipper's Declaration Yes Shipper's Declaration not required Dry Ice Dry Ice & UN 1845 Cargo Aircraft Only

7 Payment, Bill to:
Sender's Acct. No. in Section 1 will be billed Recipient Third Party Credit Card Cash/Check
Total Packages Total Weight
Our liability is limited to \$100 unless you declare a higher value. See the current FedEx Service Guide for details.

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ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200884

Instrument: THG-05

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200884-IBL1	1200884	QC	1		-			
1200884-IBL2	1200884	QC	2		-			
1200884-IBL3	1200884	QC	3		-			
1200884-IBL4	1200884	QC	4		-			
1200884-CAL1	1200884	QC	5	1245034	-			
1200884-CAL2	1200884	QC	6	1245033	-			
1200884-CAL3	1200884	QC	7	1245032	-			
1200884-CAL4	1200884	QC	8	1245031	-			
1200884-CAL5	1200884	QC	9	1245030	-			
1200884-CAL6	1200884	QC	10	1245029	-			
1200884-ICV1	1200884	QC	11	1245027	-			
B122125-SRM1	B122125	QC	12		-			
B122176-SRM1	B122176	QC	13		-			
1200884-CCB1	1200884	QC	14		-			
1200884-CCV1	1200884	QC	15	1245028	-			
1200884-CCB2	1200884	QC	16		-			
1200884-CCB3	1200884	QC	17		-			
1200884-CCB4	1200884	QC	18		-			
B122143-SRM3	B122143	QC	19		-			
1246013-09RE1	B122143	Hg-B-70:30-MERX-CVAFS	20			KLE-BE1201	11/26/2012	Added 11/26/2012 by MLH
B122143-DUP4	B122143	QC	21		1246013-09RE1			
B122143-MS4	B122143	QC	22		1246013-09RE1			
B122143-MSD4	B122143	QC	23		1246013-09RE1			
1200884-CCV2	1200884	QC	24	1245028	-			
1200884-CCB5	1200884	QC	25		-			
1245015-02RE1	B122128	Hg-S-AR-MERX-CVAFS	26			AEC-AS1201	11/30/2012	Added 11/26/2012 by MLH

ANALYSIS SEQUENCE

BRL Report 1245005

1200884

Brooks Rand Labs

Instrument: THG-05

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B122128-DUP2	B122128	QC	27		1245015-02RE1			
B122128-MS2	B122128	QC	28		1245015-02RE1			
B122128-MSD2	B122128	QC	29		1245015-02RE1			
1245015-05RE1	B122128	Hg-S-AR-MERX-CVAFS	30			AEC-AS1201	11/30/2012	Added 11/26/2012 by MLH
1246019-01RE1	B122128	Hg-S-AR-MERX-CVAFS	31			PSC-CL1201	12/3/2012	Added 11/26/2012 by MLH
1246019-02RE1	B122128	Hg-S-AR-MERX-CVAFS	32			PSC-CL1201	12/3/2012	Added 11/26/2012 by MLH
1200884-CCV3	1200884	QC	33	1245028	-			
1200884-CCB6	1200884	QC	34		-			
1244013-06RE2	B122071	Hg-W-BrCl-MERX-Diss	35			MAX-CA1202	1/1/1980	Added 11/27/2012 by ATC
1244013-06RE2	B122071	Hg-W-BrCl-MERX-TR	36			MAX-CA1202	11/12/2012	Added 11/26/2012 by MLH
B122071-MS8	B122071	QC	37		1244013-06RE2			
B122071-MSD8	B122071	QC	38		1244013-06RE2			
1200884-CCV4	1200884	QC	39	1245028	-			
1200884-CCB7	1200884	QC	40		-			
B122176-BLK1	B122176	QC	41		-			
B122176-BLK2	B122176	QC	42		-			
B122176-BLK3	B122176	QC	43		-			
B122176-BLK4	B122176	QC	44		-			
1247007-03	B122176	Hg-W-BrCl-MERX-TR	45			DUK-HV1201	12/3/2012	
1247007-04	B122176	Hg-W-BrCl-MERX-Diss	46			DUK-HV1201	12/3/2012	
1247007-07	B122176	Hg-W-BrCl-MERX-TR	47			DUK-HV1201	12/3/2012	
1247007-08	B122176	Hg-W-BrCl-MERX-Diss	48			DUK-HV1201	12/3/2012	
1247007-11	B122176	Hg-W-BrCl-MERX-TR	49			DUK-HV1201	12/3/2012	
1247007-12	B122176	Hg-W-BrCl-MERX-Diss	50			DUK-HV1201	12/3/2012	
1200884-CCV5	1200884	QC	51	1245028	-			
1200884-CCB8	1200884	QC	52		-			

ANALYSIS SEQUENCE

BRL Report 1245005

1200884

Brooks Rand Labs

Instrument: THG-05

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1247007-09	B122176	Hg-W-BrCl-MERX-TR	53			DUK-HV1201	12/3/2012	
1247007-10	B122176	Hg-W-BrCl-MERX-Diss	54			DUK-HV1201	12/3/2012	
1247007-06	B122176	Hg-W-BrCl-MERX-Diss	55			DUK-HV1201	12/3/2012	
1247007-01	B122176	Hg-W-BrCl-MERX-Diss	56			DUK-HV1201	1/1/1980	BatchQC
1247007-01	B122176	Hg-W-BrCl-MERX-TR	57			DUK-HV1201	12/3/2012	
B122176-MS1	B122176	QC	58		1247007-01			
B122176-MSD1	B122176	QC	59		1247007-01			
1247007-02	B122176	Hg-W-BrCl-MERX-Diss	60			DUK-HV1201	12/3/2012	
1247007-05	B122176	Hg-W-BrCl-MERX-TR	61			DUK-HV1201	12/3/2012	
1200884-CCV6	1200884	QC	62	1245028	-			
1200884-CCB9	1200884	QC	63		-			
B122125-BLK1	B122125	QC	64		-			
B122125-BLK2	B122125	QC	65		-			
B122125-BLK3	B122125	QC	66		-			
B122125-BLK4	B122125	QC	67		-			
1246021-09	B122125	Hg-W-BrCl-MERX-TR	68			DBE-RK1201	12/7/2012	
1245005-26	B122125	Hg-W-BrCl-MERX-TR	69			UDE-SL1201	12/20/2012	
1246033-05	B122125	Hg-W-BrCl-MERX-NoMB-TR	70			USA-AB1201	11/28/2012	
1246033-05	B122125	Hg-W-BrCl-MERX-TR	71			USA-AB1201	11/28/2012	
1246032-02	B122125	Hg-W-BrCl-MERX-NoMB-TR	72			CGP-GP1001	1/1/1980	BatchQC
1246032-02	B122125	Hg-W-BrCl-MERX-TR	73			CGP-GP1001	12/11/2012	
B122125-MS1	B122125	QC	74		1246032-02			
B122125-MSD1	B122125	QC	75		1246032-02			
1200884-CCV7	1200884	QC	76	1245028	-			
1200884-CCBA	1200884	QC	77		-			
1246032-03	B122125	Hg-W-BrCl-MERX-TR	78			CGP-GP1001	12/11/2012	

ANALYSIS SEQUENCE

BRL Report 1245005

1200884

Brooks Rand Labs

Instrument: THG-05

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1246021-01	B122125	Hg-W-BrCl-MERX-NoMB-TR	79			DBE-RK1201	1/1/1980	BatchQC
1246021-01	B122125	Hg-W-BrCl-MERX-TR	80			DBE-RK1201	12/7/2012	
B122125-MS2	B122125	QC	81		1246021-01			
B122125-MSD2	B122125	QC	82		1246021-01			
1246021-10	B122125	Hg-W-BrCl-MERX-TR	83			DBE-RK1201	12/7/2012	
1246021-11	B122125	Hg-W-BrCl-MERX-TR	84			DBE-RK1201	12/7/2012	
1246021-12	B122125	Hg-W-BrCl-MERX-TR	85			DBE-RK1201	12/7/2012	
1246021-13	B122125	Hg-W-BrCl-MERX-TR	86			DBE-RK1201	12/7/2012	
1246024-01	B122125	Hg-W-BrCl-MERX-TR	87			DBE-RK1201	12/10/2012	
1245005-09	B122125	Hg-W-BrCl-MERX-TR	88			UDE-SL1201	12/20/2012	
1200884-CCV8	1200884	QC	89	1245028	-			
1200884-CCBB	1200884	QC	90		-			
1245005-10	B122125	Hg-W-BrCl-MERX-TR	91			UDE-SL1201	12/20/2012	
1245005-11	B122125	Hg-W-BrCl-MERX-NoMB-TR	92			UDE-SL1201	1/1/1980	BatchQC
1245005-11	B122125	Hg-W-BrCl-MERX-TR	93			UDE-SL1201	12/20/2012	
B122125-MS3	B122125	QC	94		1245005-11			
B122125-MSD3	B122125	QC	95		1245005-11			
1245005-12	B122125	Hg-W-BrCl-MERX-TR	96			UDE-SL1201	12/20/2012	
1245005-13	B122125	Hg-W-BrCl-MERX-TR	97			UDE-SL1201	12/20/2012	
1245005-14	B122125	Hg-W-BrCl-MERX-TR	98			UDE-SL1201	12/20/2012	
1245005-15	B122125	Hg-W-BrCl-MERX-TR	99			UDE-SL1201	12/20/2012	
1245005-16	B122125	Hg-W-BrCl-MERX-TR	100			UDE-SL1201	12/20/2012	
1245005-17	B122125	Hg-W-BrCl-MERX-TR	101			UDE-SL1201	12/20/2012	
1200884-CCV9	1200884	QC	102	1245028	-			
1200884-CCBC	1200884	QC	103		-			
1245005-18	B122125	Hg-W-BrCl-MERX-TR	104			UDE-SL1201	12/20/2012	

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200884

Instrument: THG-05

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1245005-19	B122125	Hg-W-BrCl-MERX-TR	105			UDE-SL1201	12/20/2012	
1245005-20	B122125	Hg-W-BrCl-MERX-TR	106			UDE-SL1201	12/20/2012	
1245005-21	B122125	Hg-W-BrCl-MERX-TR	107			UDE-SL1201	12/20/2012	
1245005-22	B122125	Hg-W-BrCl-MERX-TR	108			UDE-SL1201	12/20/2012	
1245005-23	B122125	Hg-W-BrCl-MERX-TR	109			UDE-SL1201	12/20/2012	
1245005-24	B122125	Hg-W-BrCl-MERX-TR	110			UDE-SL1201	12/20/2012	
1245005-25	B122125	Hg-W-BrCl-MERX-TR	111			UDE-SL1201	12/20/2012	
1245020-02	B122125	Hg-W-BrCl-MERX-TR	112			UDE-SL1201	12/21/2012	
1245020-06	B122125	Hg-W-BrCl-MERX-NoMB-TR	113			UDE-SL1201	1/1/1980	BatchQC
1245020-06	B122125	Hg-W-BrCl-MERX-TR	114			UDE-SL1201	12/21/2012	
1200884-CCVA	1200884	QC	115	1245028	-			
1200884-CCBD	1200884	QC	116		-			
B122125-MS4	B122125	QC	117		1245020-06			
B122125-MSD4	B122125	QC	118		1245020-06			
1245020-10	B122125	Hg-W-BrCl-MERX-TR	119			UDE-SL1201	12/21/2012	
1245020-14	B122125	Hg-W-BrCl-MERX-TR	120			UDE-SL1201	12/21/2012	
1246033-01	B122125	Hg-W-BrCl-MERX-NoMB-TR	121			USA-AB1201	11/28/2012	
1246033-01	B122125	Hg-W-BrCl-MERX-TR	122			USA-AB1201	11/28/2012	
1246033-02	B122125	Hg-W-BrCl-MERX-NoMB-TR	123			USA-AB1201	11/28/2012	
1246033-02	B122125	Hg-W-BrCl-MERX-TR	124			USA-AB1201	11/28/2012	
1246033-03	B122125	Hg-W-BrCl-MERX-NoMB-TR	125			USA-AB1201	11/28/2012	
1246033-03	B122125	Hg-W-BrCl-MERX-TR	126			USA-AB1201	11/28/2012	
1246033-04	B122125	Hg-W-BrCl-MERX-NoMB-TR	127			USA-AB1201	11/28/2012	
1246033-04	B122125	Hg-W-BrCl-MERX-TR	128			USA-AB1201	11/28/2012	
1246033-06	B122125	Hg-W-BrCl-MERX-NoMB-TR	129			USA-AB1201	11/28/2012	
1246033-06	B122125	Hg-W-BrCl-MERX-TR	130			USA-AB1201	11/28/2012	

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200884

Instrument: THG-05

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B122125-MS5	B122125	QC	131		1246033-06			
1200884-CCVB	1200884	QC	132	1245028	-			
1200884-CCBE	1200884	QC	133		-			
B122125-MSD5	B122125	QC	134		1246033-06			
1246033-07	B122125	Hg-W-BrCl-MERX-NoMB-TR	135			USA-AB1201	11/28/2012	
1246033-07	B122125	Hg-W-BrCl-MERX-TR	136			USA-AB1201	11/28/2012	
1246033-61	B122125	Hg-W-BrCl-MERX-NoMB-TR	137			USA-AB1201	11/28/2012	
1246033-61	B122125	Hg-W-BrCl-MERX-TR	138			USA-AB1201	11/28/2012	
1246033-62	B122125	Hg-W-BrCl-MERX-NoMB-TR	139			USA-AB1201	11/28/2012	
1246033-62	B122125	Hg-W-BrCl-MERX-TR	140			USA-AB1201	11/28/2012	
1246033-63	B122125	Hg-W-BrCl-MERX-NoMB-TR	141			USA-AB1201	11/28/2012	
1246033-63	B122125	Hg-W-BrCl-MERX-TR	142			USA-AB1201	11/28/2012	
1246033-64	B122125	Hg-W-BrCl-MERX-NoMB-TR	143			USA-AB1201	11/28/2012	
1246033-64	B122125	Hg-W-BrCl-MERX-TR	144			USA-AB1201	11/28/2012	
1246033-65	B122125	Hg-W-BrCl-MERX-NoMB-TR	145			USA-AB1201	11/28/2012	
1246033-65	B122125	Hg-W-BrCl-MERX-TR	146			USA-AB1201	11/28/2012	
1246033-66	B122125	Hg-W-BrCl-MERX-NoMB-TR	147			USA-AB1201	11/28/2012	
1246033-66	B122125	Hg-W-BrCl-MERX-TR	148			USA-AB1201	11/28/2012	
1246033-67	B122125	Hg-W-BrCl-MERX-NoMB-TR	149			USA-AB1201	11/28/2012	
1246033-67	B122125	Hg-W-BrCl-MERX-TR	150			USA-AB1201	11/28/2012	
1246033-68	B122125	Hg-W-BrCl-MERX-NoMB-TR	151			USA-AB1201	11/28/2012	
1246033-68	B122125	Hg-W-BrCl-MERX-TR	152			USA-AB1201	11/28/2012	
1200884-CCVC	1200884	QC	153	1245028	-			
1200884-CCBF	1200884	QC	154		-			
1246032-01	B122125	Hg-W-BrCl-MERX-TR	155			CGP-GP1001	12/11/2012	
1200884-CCVD	1200884	QC	156	1245028	-			

ANALYSIS SEQUENCE

Brooks Rand Labs

1200884

Instrument: THG-05

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200884-CCBG	1200884	QC	157		-			

SOP(s) / Rev#(s): 0006-00te / 0002-010d

Hg Analysis Sheet : T-Hg MERX-T: _____

Sequence: 1200884 Batch(es): B122143, 2126, 2170, 2125

Analyst: MCA Date: 11.26.12 Instrument ID: THy 205

10ng/mL std ID: 1245008 1ng/mL std ID: 1245007 ICV std ID: 1245009

NH₂OH·HCl #: 1244620 SnCl₂ #: 1242036

Initial offset: 10,333 Initial PMT: 504

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	B122143-SRM3	1.00		RECUR of SRM 1
20	1246013-09RE	0.200		
21	B122143-DUP4			RECUR of QC #3 SRM
22	-MS4			
23	-MSD4			
24	SEQ-CCV	0.050		10ng/mL

Comments: _____

Balance ID: BL-01

SOP(s) / Rev#(s): 0006-004e / 0002-010d

Hg Analysis Sheet : T-Hg / Other: _____

Sequence: 1200884

Analyst: MCH

Date: 11.26.12

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	SED-CCB	—		
26	1245015-02PE1	0.020	100x	
27	B122128-DSP2			MUN of QC#1 SET
28	-MS2			
29	-MSD2			
30	1245015-05PE1	0.020		
31	1246019-01PE1	0.100		
32	-02PE1			
33	SED-CCV	0.050		10ng/mL
34	SED-CCB	—		+mt 11.26.12
35	1244013-06PE2	1.00		
36	B122071-MS8			NATIVE: 1244013-06PE2 +200 (200uL of 1ng/mL)
37	-MSD8			
38	SED-CCV	0.050		10ng/mL
39	SED-CCB	—		
40	B122176-BLK1	25.36		
41	-BLK2	25.28		
42	-BLK3	24.99		
43	-BLK4	25.14		
44	1247007-03	24.45		
45	-04	24.45		
46	-07	24.80		
47	-08	24.63		
48	-11	25.51		

Comments: _____

SOP(s) / Rev#(s): 0006-001e | 0002-010d

Hg Analysis Sheet : T-Hg / Other: _____

Sequence: 1200884

Analyst: MWT

Date: 11.26.12

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	1247007-12	25.09		
50	SEQ-CCV	0.050		10ng/mL
51	SEQ-CCB	-		
52	1247007-09	25.41		
53	-10	25.19		
54	-06	25.13		
55	-01	1.00		
56	B122176-MS1			NATIVE: 1247007-01 + 500 (50 mL of 10ng/mL)
57	-MSD1			
58	1247007-02	5.00		
59	-05	10.00		
60	SEQ-CCV	0.050		
61	SEQ-CCB	-		
62	B122125-BLK1	25.88		
63	-BLK2	25.09		
64	-BLK3	25.97		
65	-BLK4	25.02		
66	1246021-09	24.76		
67	1245005-26	24.32		
68	1246033-05	25.92		
69	1246032-02	25.94		
70	B122125-MS1	24.70		NATIVE: 1246032-02 + 600 (40 of 10ng/mL)
71	-MSD1	24.07		
72	SEQ-CCV	0.050		10ng/mL

Comments: _____

SOP(s) / Rev#(s): 000004e / 0001-000

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

Sequence: 1200884 Analyst: MCH Date: 11.26.12

Run #/ Pos #	Brooks Rand Sample ID	Analy. Vol. (mL)	Dilution Factor	Analysis comments / For spiked QC: Source sample, standard ID, and spiked volume (mL)
73	SED-CCB	—		
74	1246032-03	25.82		
75	1246021-01	25.40		
76	B122125-MS2	25.33		NATIVE: 1246021-01 + 200 (200 µL of (ng/µL))
77	↓ MS02	25.87		↓
78	1246021-10	24.61		
79	↓ -11	25.54		
80	↓ -12	25.40		
81	↓ -13	25.90		
82	1246024-01	24.35		
83	1245005-09	24.41		
84	SED-CCV	0.050		10ng/mL
85	SED-CCB	—		
86	124500570	24.75		
87	↓ -11	25.94		
88	B122125-MS3	25.52		NATIVE: 1245005-11 + 200 (200 µL of (ng/µL))
89	↓ MS03	24.74		↓
90	1245005-12	24.94		
91	↓ -13	25.64		
92	↓ -14	25.83		
93	↓ -15	25.67		
94	↓ -16	25.89		
95	↓ -17	25.67		
96	SED-CCV	0.050		10ng/mL

Comments: _____

SOP(s) / Rev#(s): 0000-0000 / 0002-0100

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

Sequence: 1200984 Analyst: MCH Date: 11-28-12

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	SEQ-CCB	—		
98	1245005-18	24.57		
99	-19	25.73		
100	-20	24.50		
101	-21	25.94		
102	-22	25.51		
103	-23	24.69		
104	-24	25.10		
105	-25	24.90		
106	1245020-02	24.51		
107	-04	25.22		
108	SEQ-CCV	0.050		10ng/mL
109	SEQ-CCB	—		
110	B122125-MS4	25.52		NATIVE: 1245020-06 + 750 (75uL of 10ng/mL)
111	-MSD4	24.77		↓
112	1245020-10	25.51		
113	-14	24.84		
114	1246033-01	25.40		
115	-02	25.67		
116	-03	25.64		
117	-04	25.47		
118	-06	24.56		
119	B122125-MS5	25.01		NATIVE: 1246033-06 + 900 (200uL of 10ng/mL)
120	SEQ-CCV	MAH CO-PC 7 0.050		10ng/mL

Comments: _____

SOP(s) / Rev#(s): 60060-001e / 0002-0101

Hg Analysis Sheet : T-Hg / Other: _____

Sequence: 1200684

Analyst: MJT

Date: 11.26.12

Run #/ Pos #	Brooks Rand Sample ID	Analy. Vol. (mL)	Dilution Factor	Analysis comments / For spiked QC: Source sample, standard ID, and spiked volume (mL)
121	SED-CCB	-		
122	B122125-MSDS	25.24		NATIVE: 1246033-07 + 200 (200 µL of 1 µg/mL)
123	1246033-07	25.56		
124	-61	24.75		
125	-62	25.13		
126	-63	24.95		
127	-64	25.56		
128	-65	24.86		
129	-66	25.62		
130	-67	25.43		
131	+ -68	24.87		
132	SED-CCV	0.050		10 µg/mL
133	SED-CCB	-		
134	1246032-01	5.00		CHUNKS IN SAMPLE
135	SED-CCV	0.050		10 µg/mL
136	SED-CCB	-		
137	A	24.72		10% BrCl 1247014
138	B	24.42		↓
11/28/12 KDM				

Comments: _____

Brooks Rand Labs

THg Water Prep Benchsheet
SOP / Rev #: BR-0006 Rev 004e

BRL Report 1245005

Prepped By: IRJ Batch: B122125
Prep Start Date/Time*: 11-20-12/1355 BrCl ID: 1244035
Prep End Date/Time**: 11-20-12/1420

1st - 24 hr Check Date/Time: 11-20-12/11:26
2nd - 24 hr Check Date/Time: _____

* Time when the first reagents are added.

** Time when the last sample is brought up to volume.

Sample ID	Sample Aliquot (mL)	BrCl added (mL)	%BrCl	24 hr Check (initials)	only fill out if additional BrCl is added		
					Additional BrCl Added (mL)	2nd - 24 hr Check (initials)	Adjusted %BrCl
1245005-09	250	2.5	1	MLT			
1245005-10	↓	↓	↓	↓			
1245005-11		5	2				
1245005-12		↓	↓				
1245005-13		2.5	1				
1245005-14		12.5	5				
1245005-15		2.5	1				
1245005-16		12.5	5				
1245005-17		2.5	1				
1245005-18		↓	↓				
1245005-19		↓	↓				
1245005-20		↓	↓				
1245005-21		↓	↓				
1245005-22		↓	↓				
1245005-23		↓	↓				
1245005-24		12.5	5				
1245005-25		2.5	1				
1245005-26		↓	↓				
1245020-02		5	2				
1245020-06		↓	↓				
1245020-10		↓	↓				
1245020-14		↓	↓				
1246021-01		2.5	1				
1246021-09		↓	↓				
1246021-10		↓	↓				
1246021-11		↓	↓				
③ 1246021-12	175	8.75	5				
1246021-13	↓	↓	↓				
1246024-01	250	2.5	1				
1246032-01		12.5	5				
① 1246032-02		22.5	1				
② 1246032-03		12.5	5				
1246033-01	500	5	1				
1246033-02		↓	↓				
1246033-03		↓	↓				
1246033-04		↓	↓				
1246033-05		↓	↓				
1246033-06		↓	↓				
1246033-07		↓	↓				
1246033-61		↓	↓				
1246033-62		↓	↓				
1246033-63		↓	↓				
1246033-64		↓	↓				
1246033-65		↓	↓				
1246033-66		↓	↓				
1246033-67		↓	↓				
1246033-68		↓	↓				
B122125-BLK1	250	2.5					
B122125-BLK2	↓	↓					
B122125-BLK3	↓	↓					
B122125-BLK4	↓	↓					

Oven ID: OV-06 Thermometer ID: PL-12
Date/Time in: 11-21-12/1345 Oven Temp (measured / corrected): 65°C / 65°C
Date/Time out: Timed = 4 hrs Oven Temp (measured / corrected): 1

- NOTES: ① IRJ 11-20-12
② sample emitted smoke upon addition of BrCl
③ Test w/ KI paper 100017800 evening

Peak Report

Batch Number: B122143, 2128, 2176, 2125

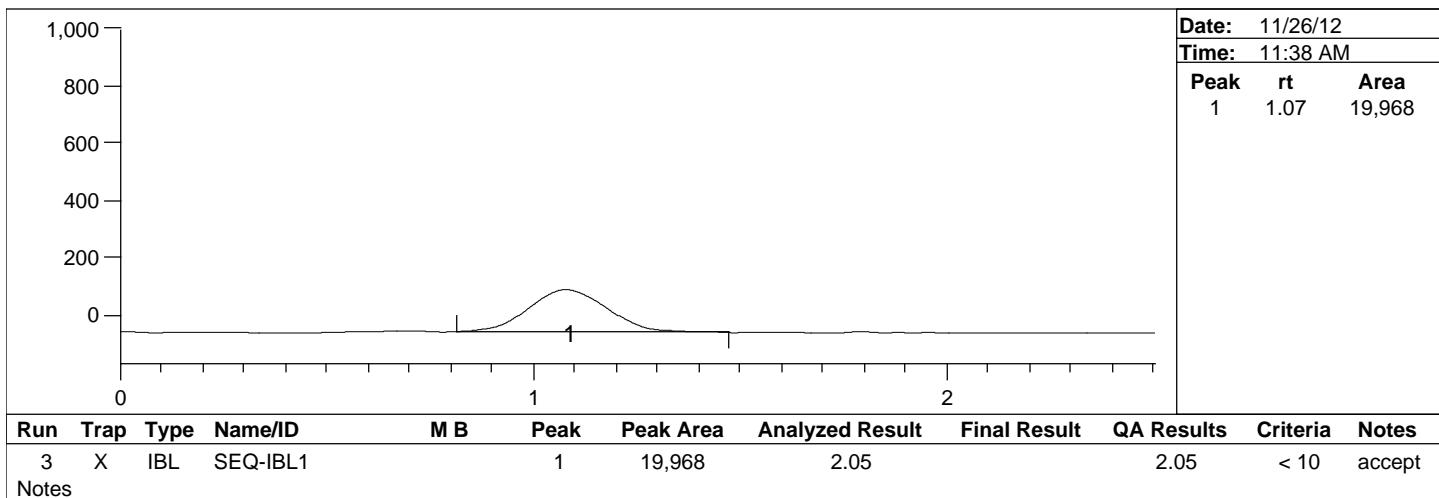
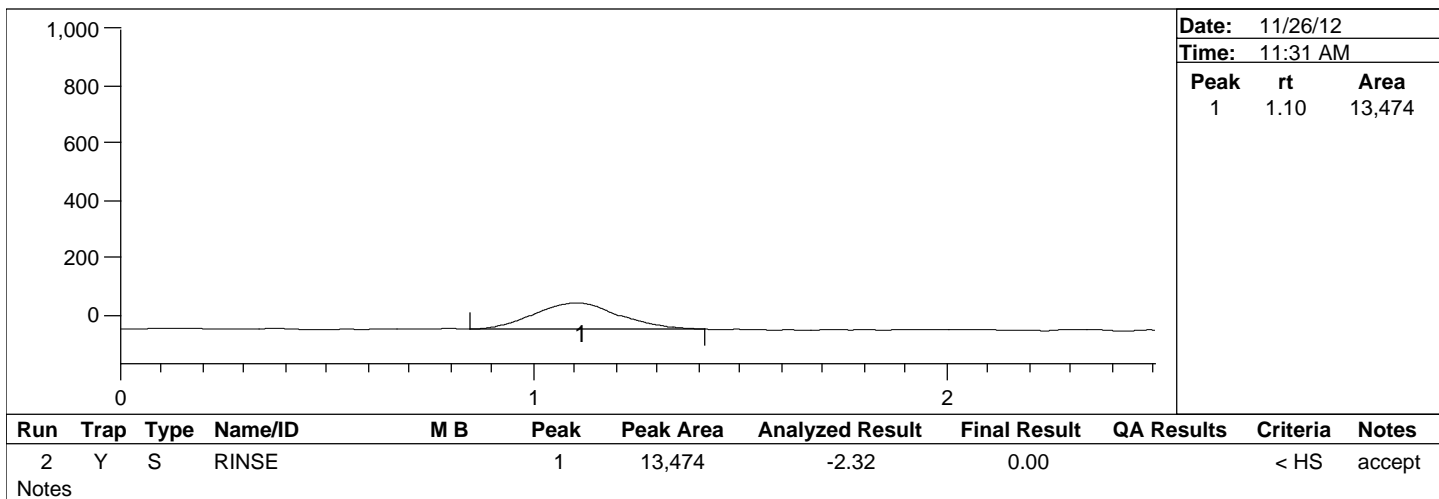
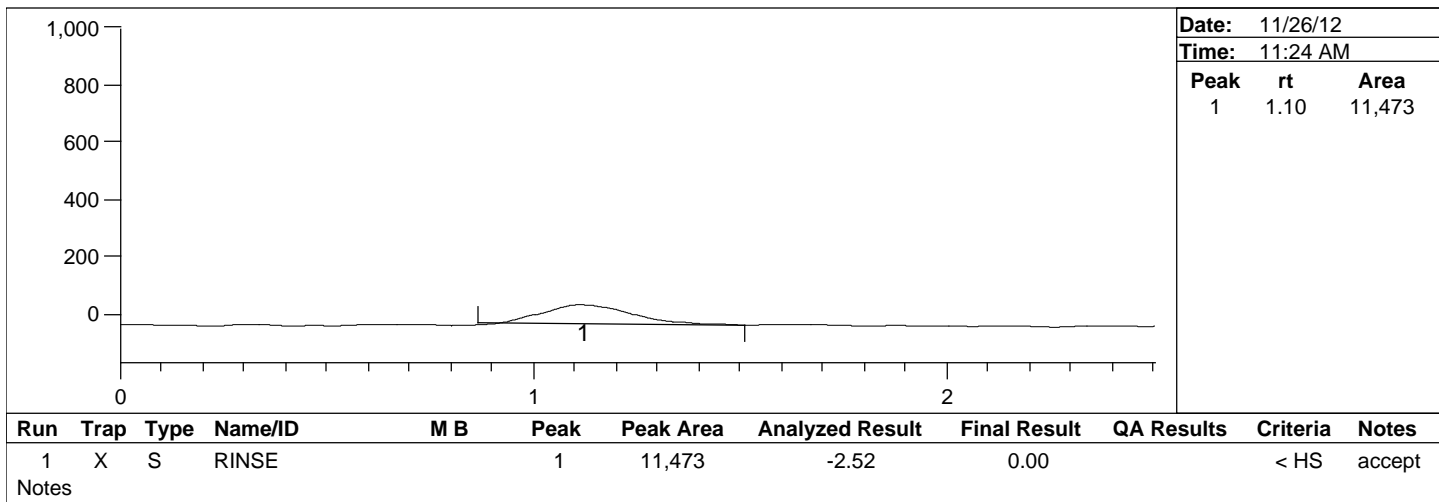
Method Number: CVAFS BR-0006

Project Number(s): 1200884

Instrument ID: THG-05

Date Analyzed: 11/26/12

Analyst Name: MLH



Peak Report

Batch Number: B122143, 2128, 2176, 2125

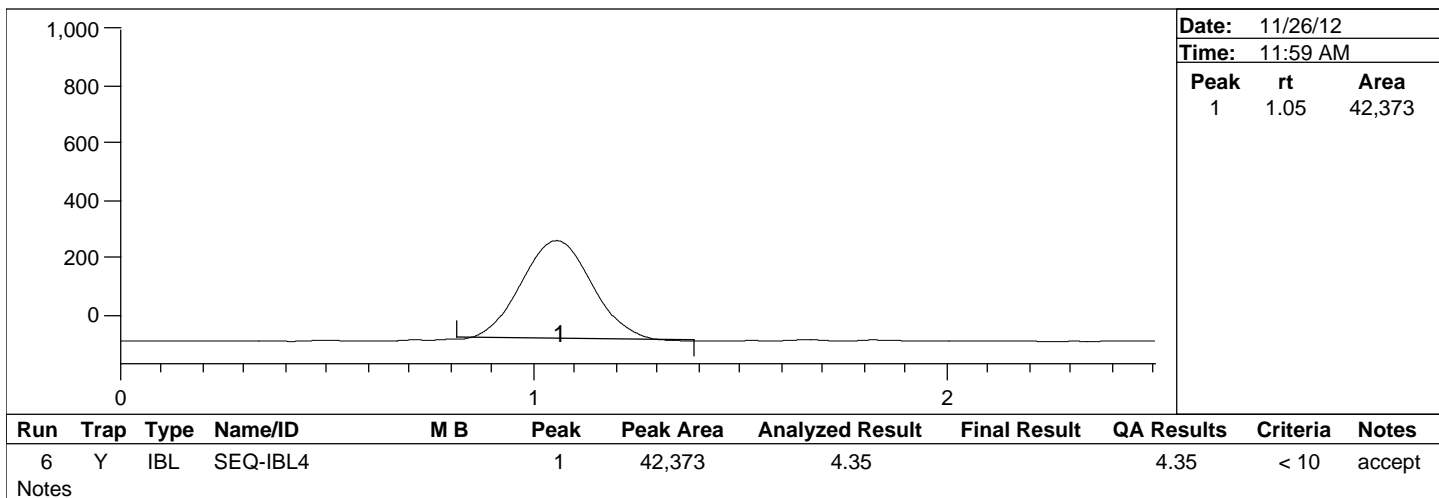
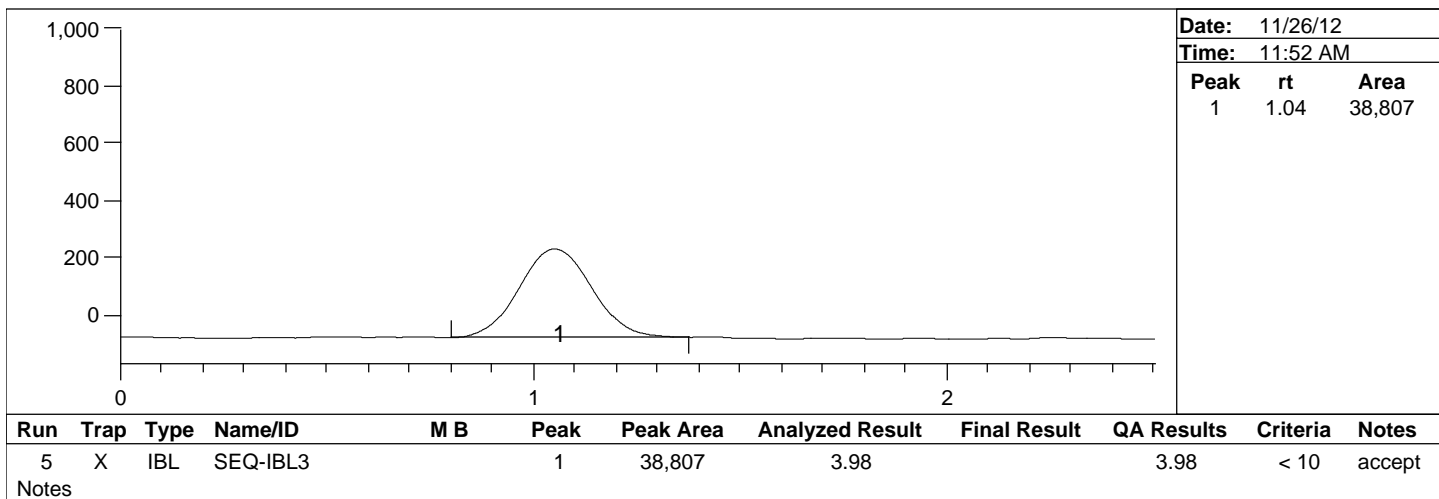
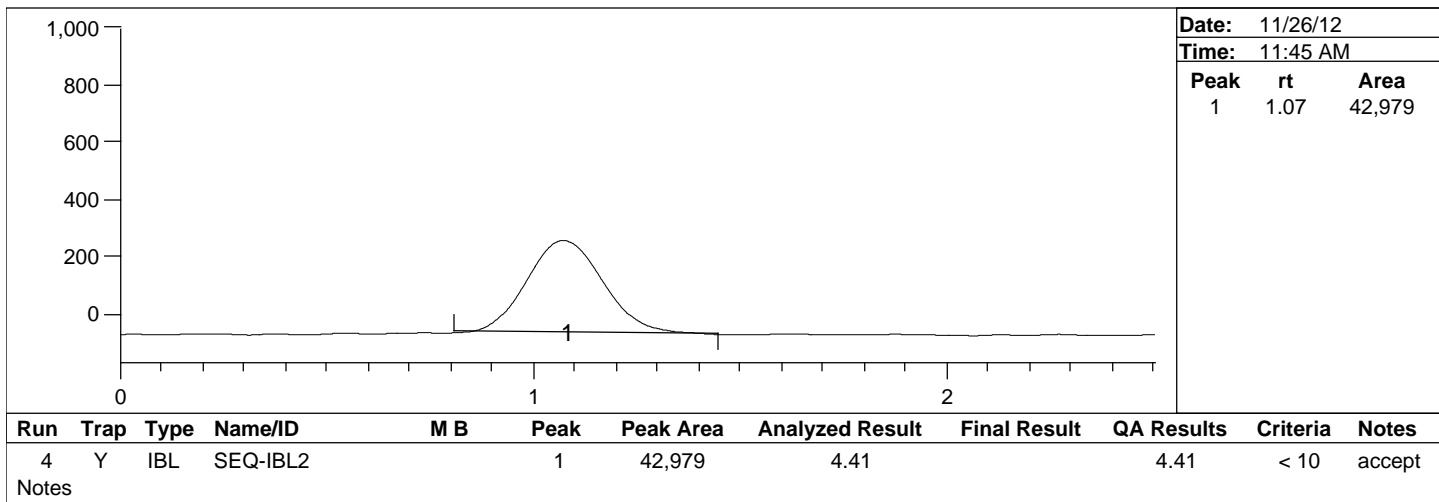
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Project Number(s): 1200884

Instrument ID: THG-05

Date Analyzed: 11/26/12

Analyst Name: MLH



Peak Report

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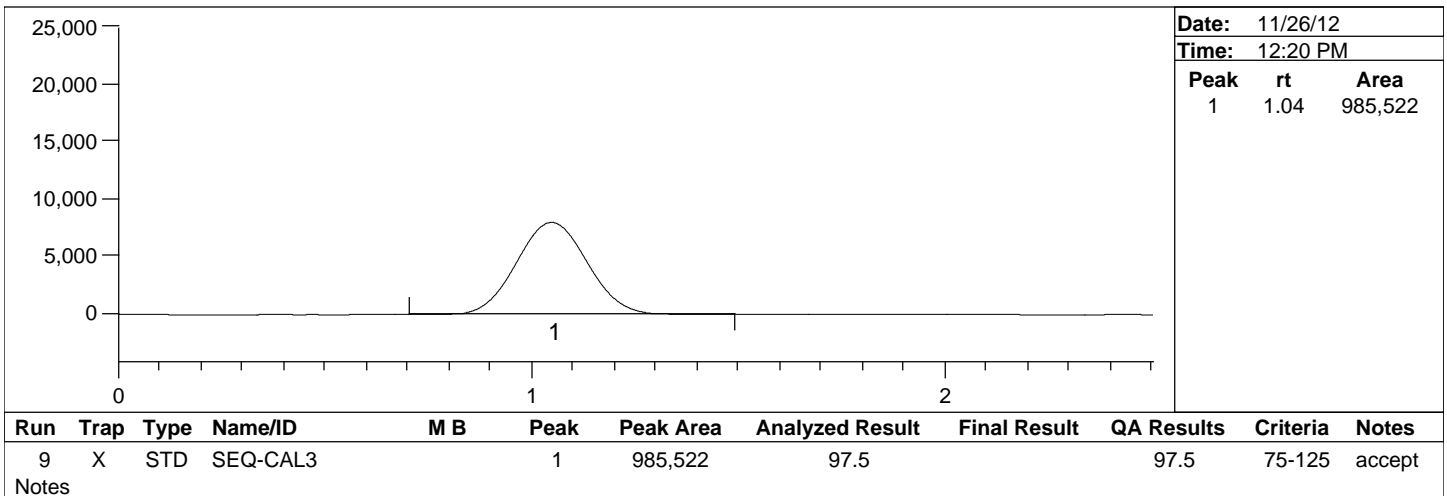
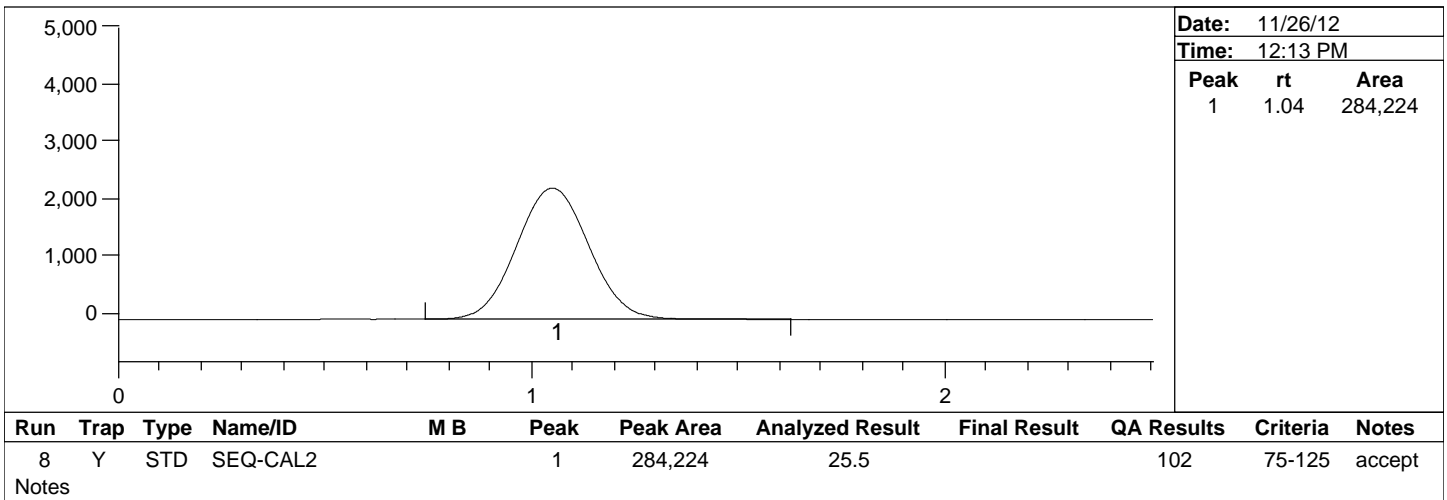
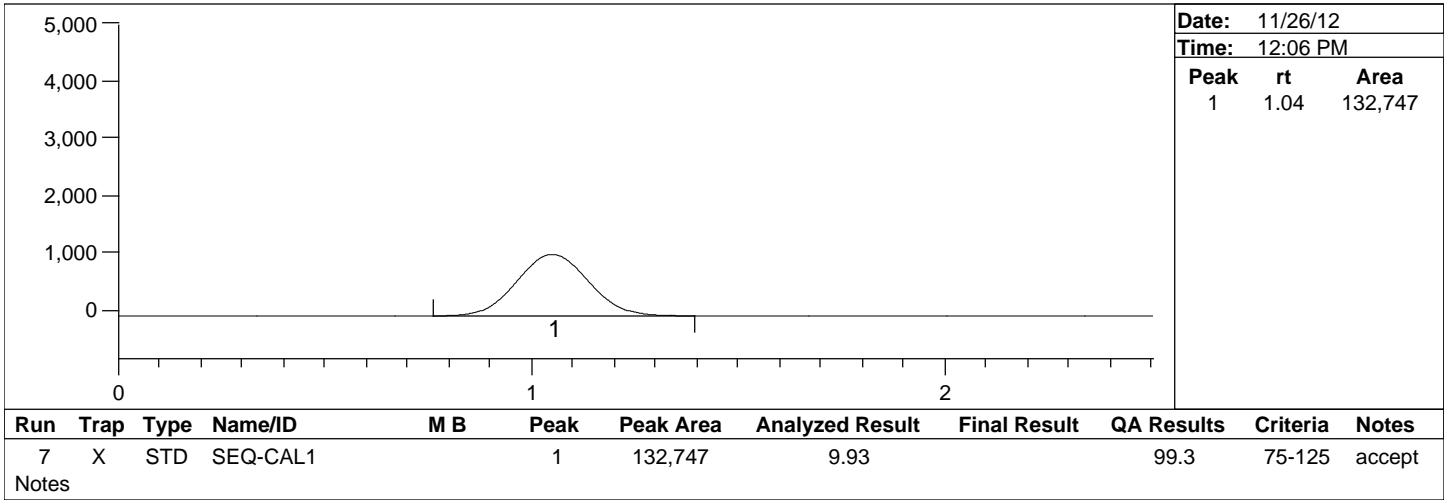
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Analyst Name: MLH



Peak Report

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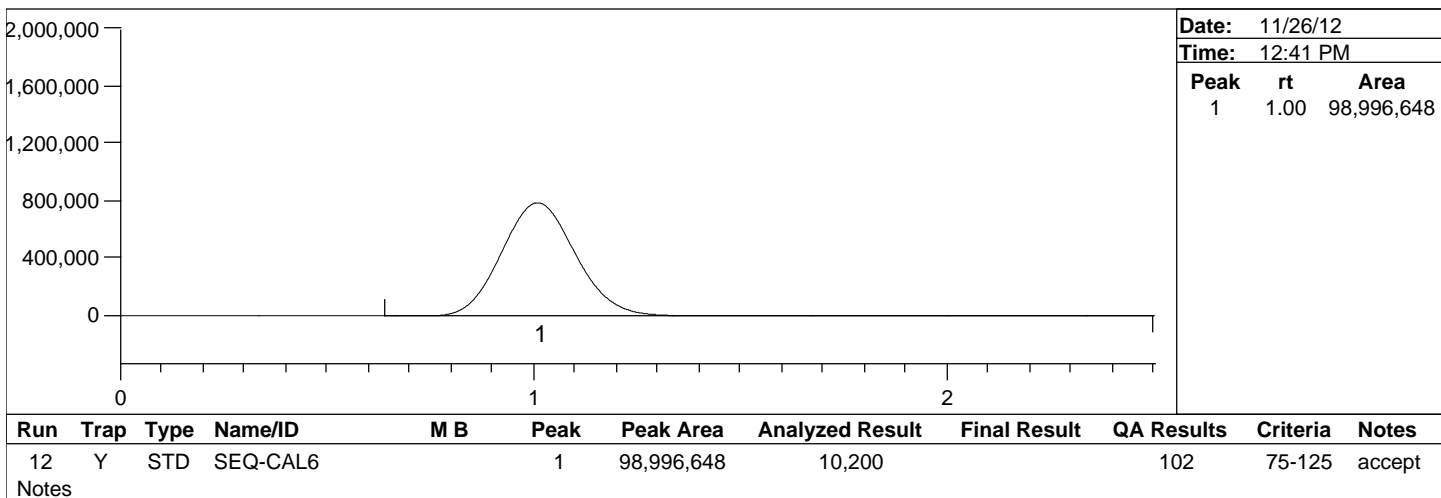
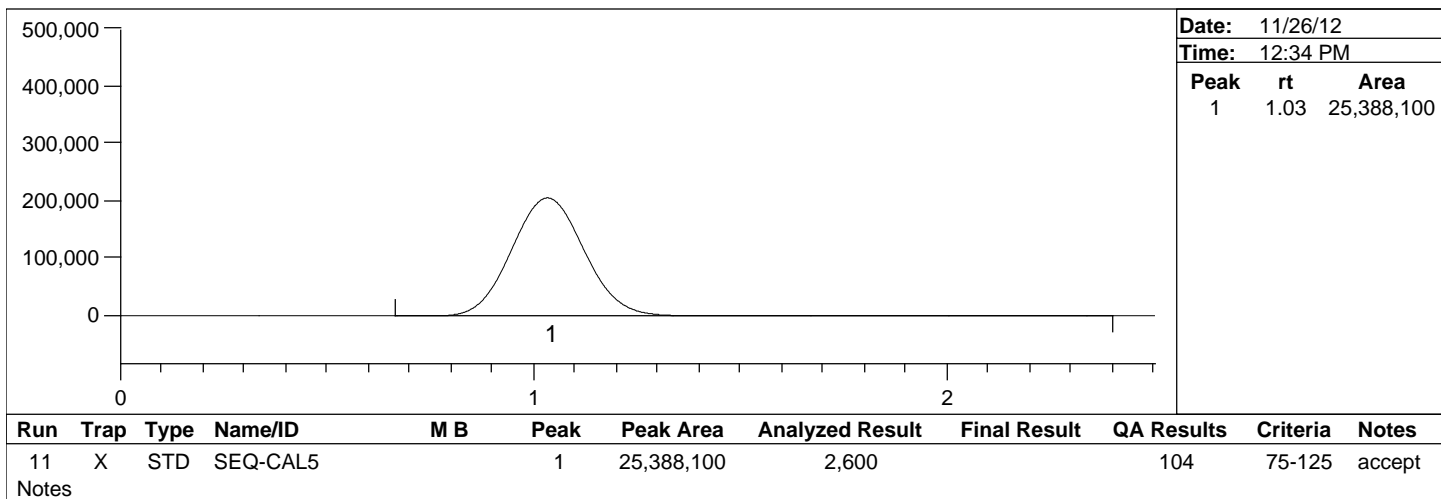
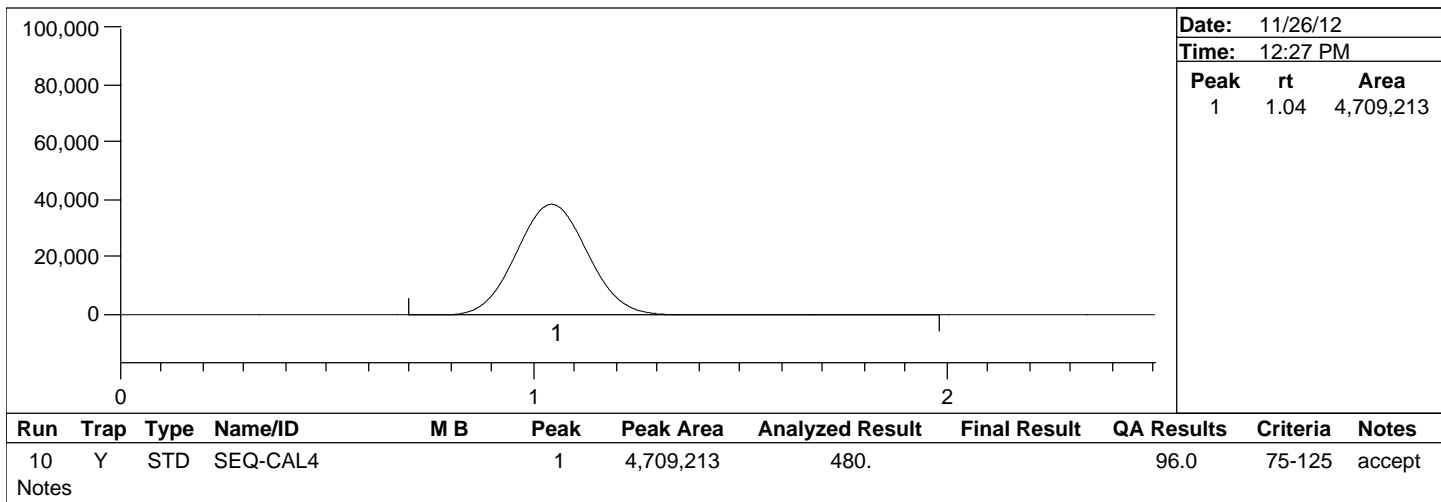
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Project Number(s): 1200884

Instrument ID: THG-05

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Analyst Name: MLH



Peak Report

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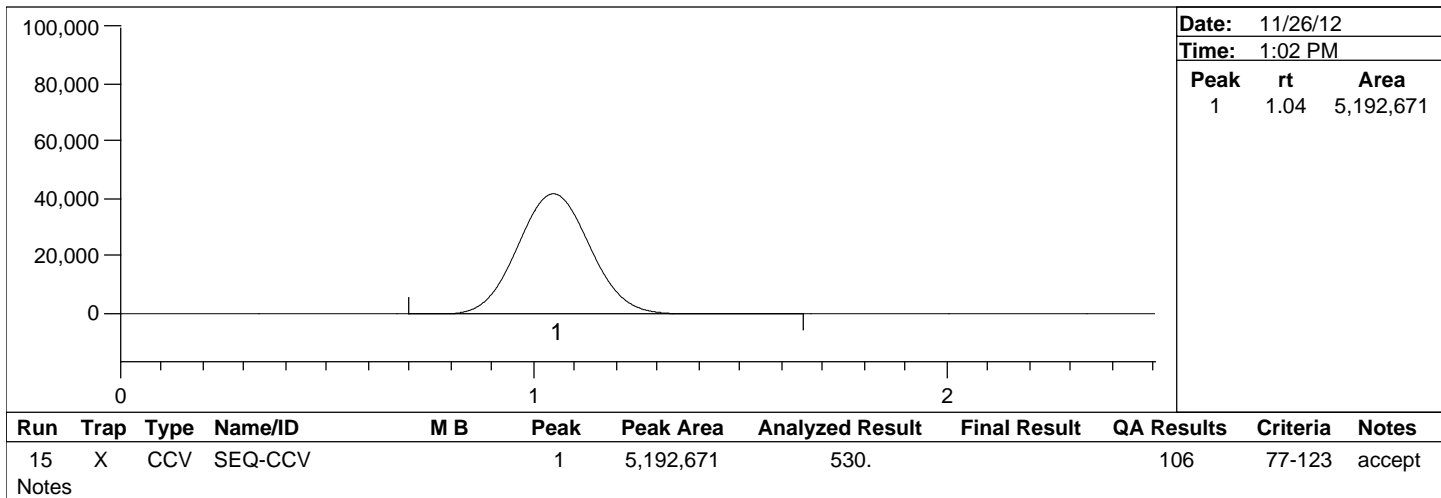
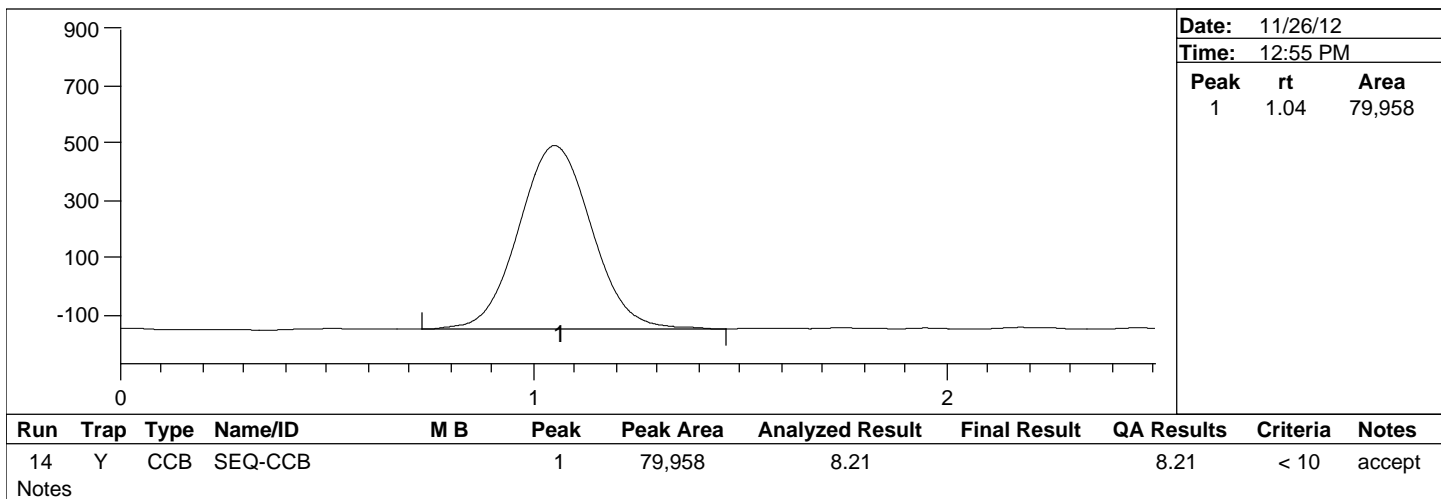
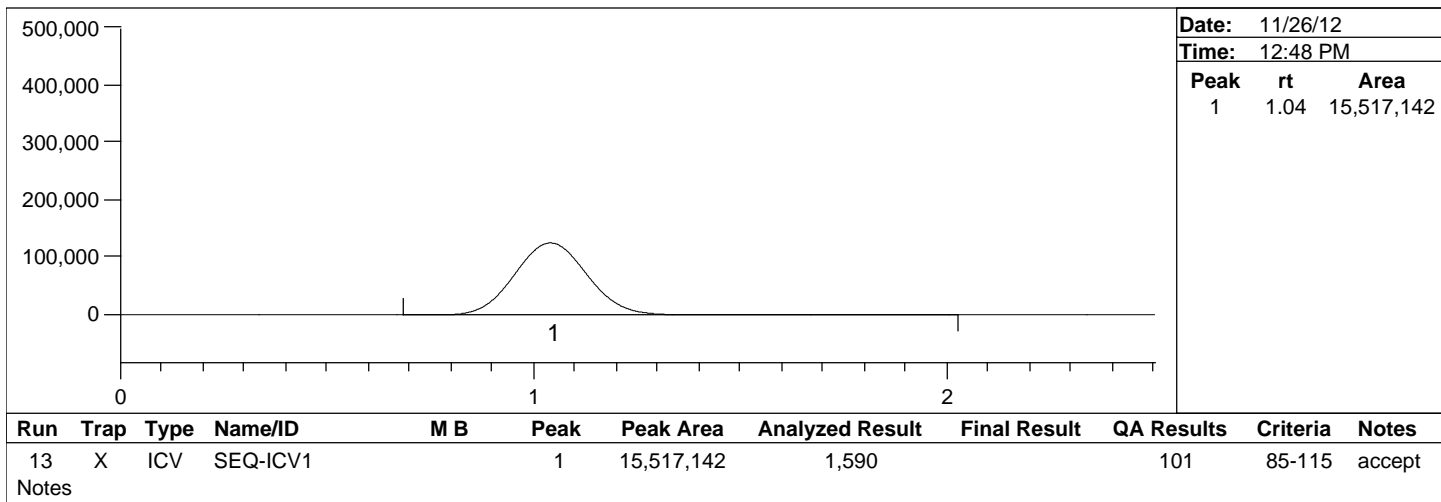
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Project Number(s): 1200884

Instrument ID: THG-05

Date Analyzed: 11/26/12

Analyst Name: MLH



Peak Report

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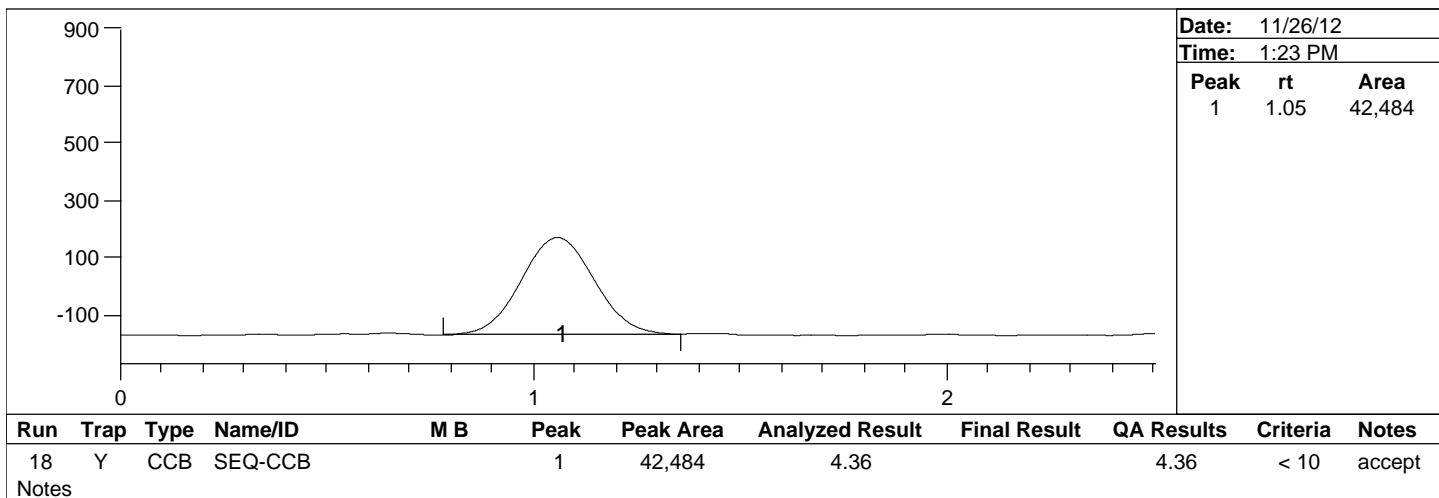
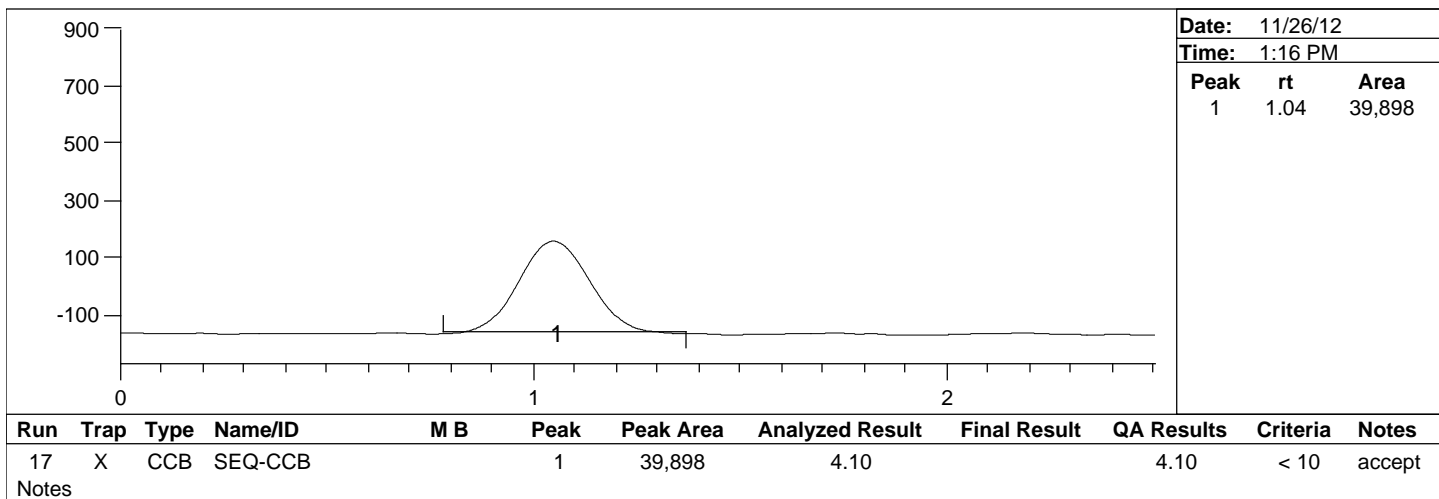
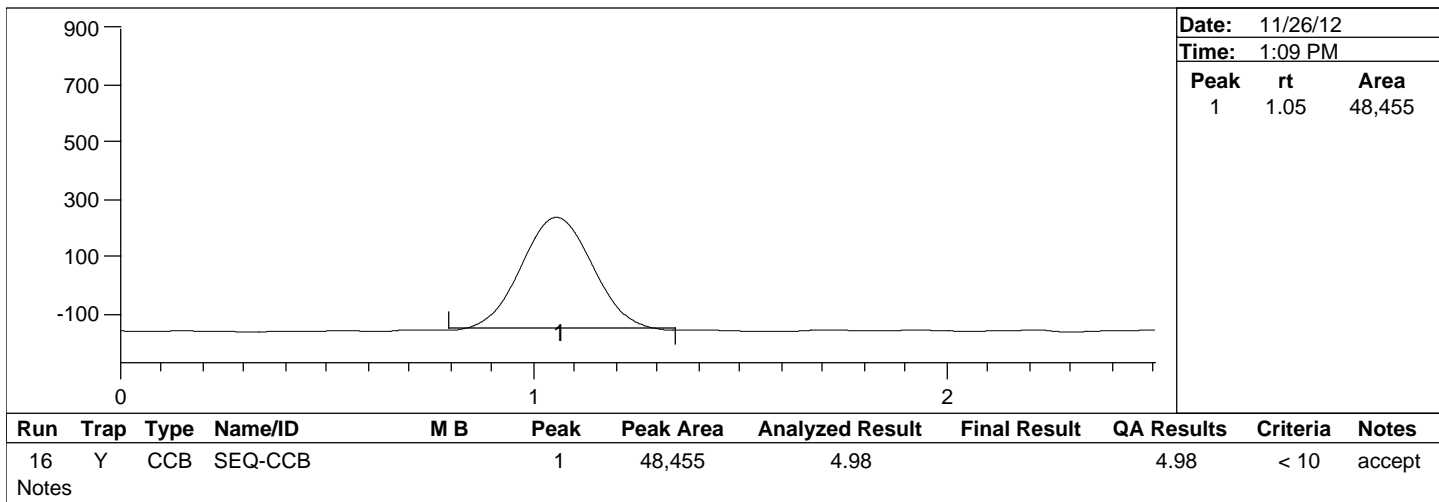
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Project Number(s): 1200884

Instrument ID: THG-05

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Analyst Name: MLH



Peak Report

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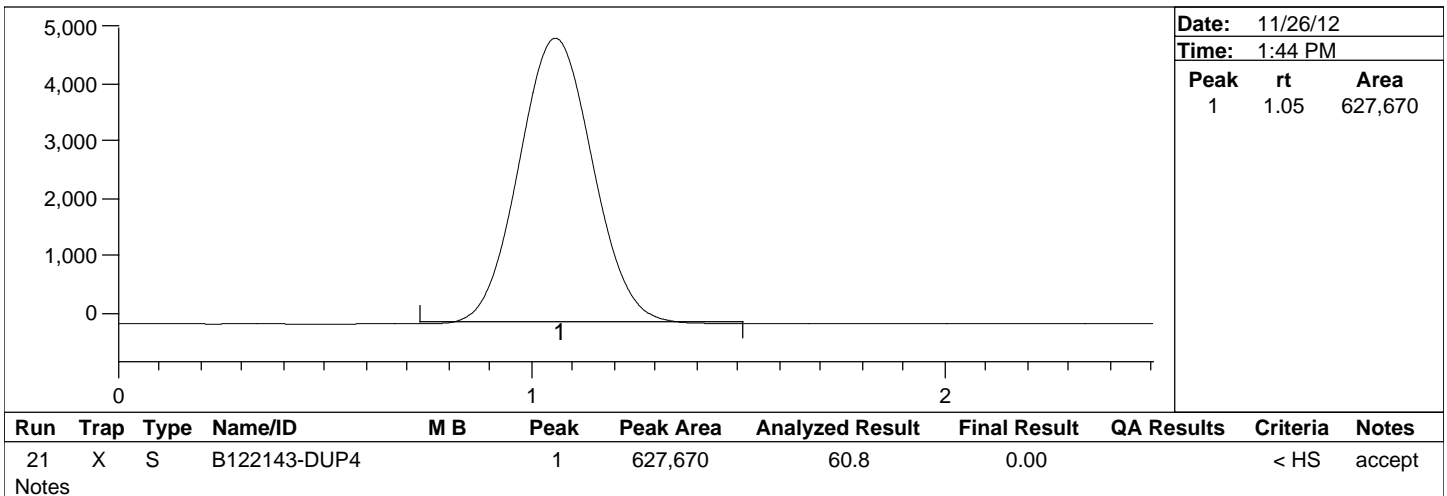
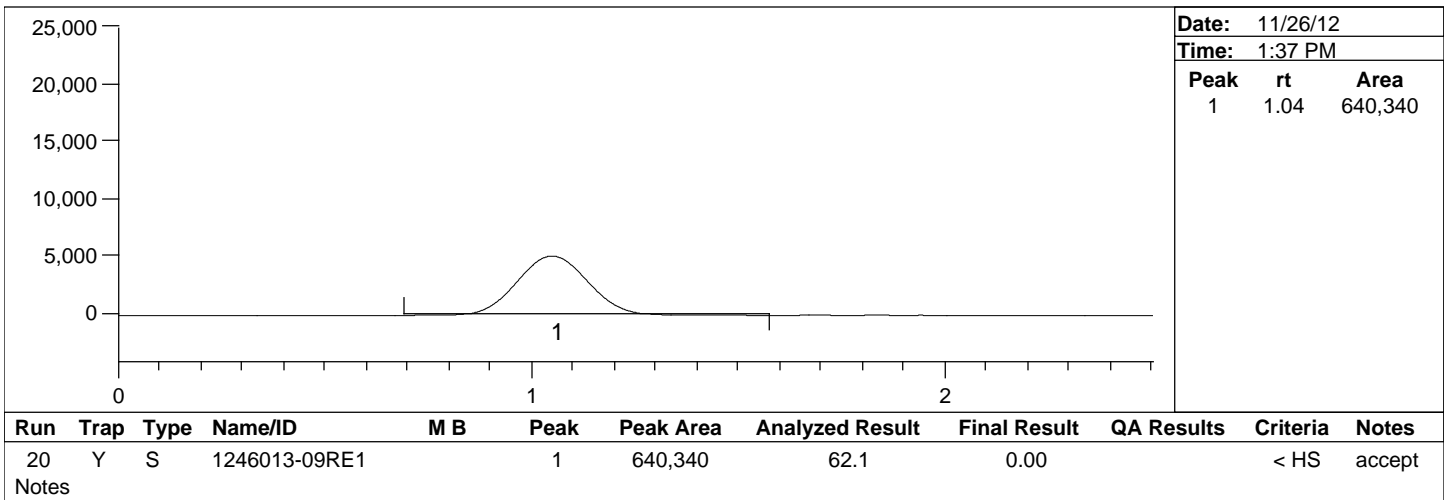
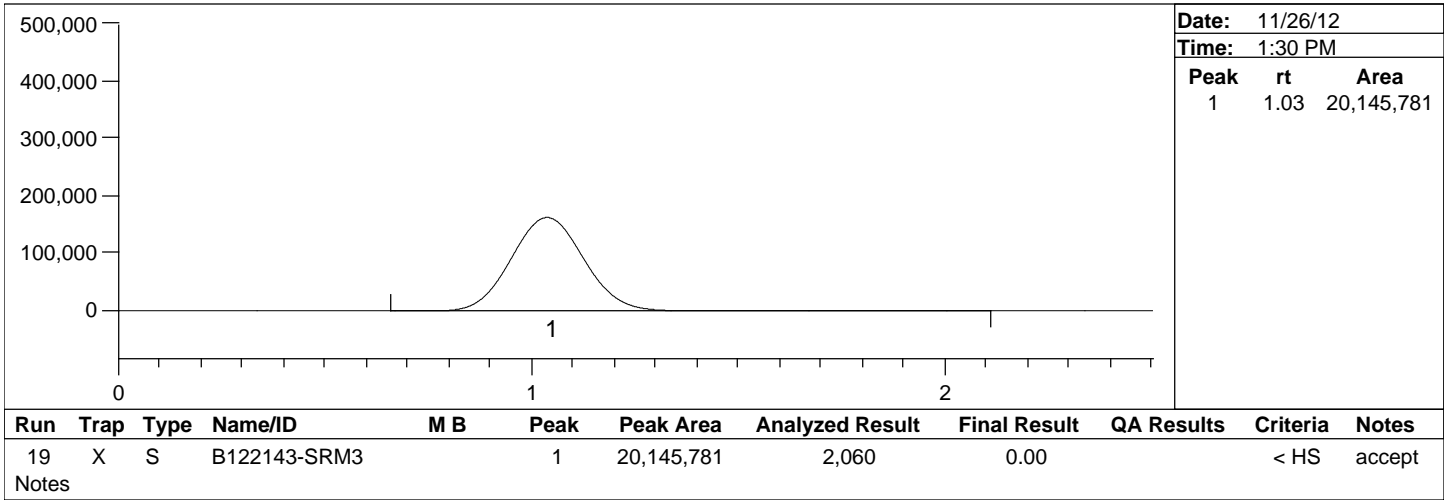
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Date Analyzed: 11/26/12

Analyst Name: MLH



Peak Report

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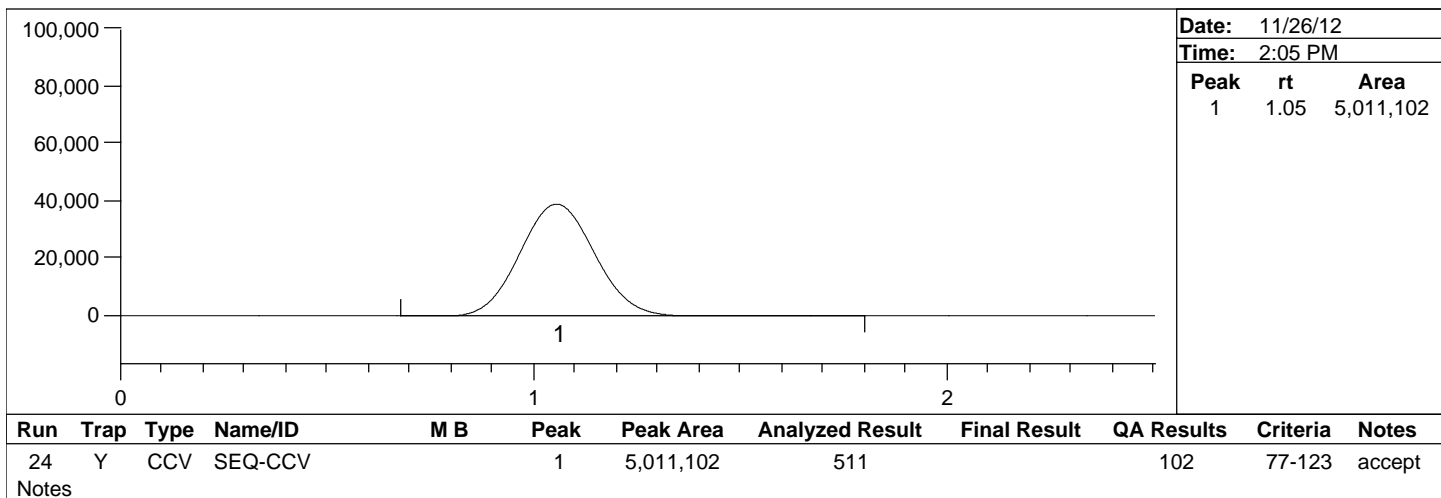
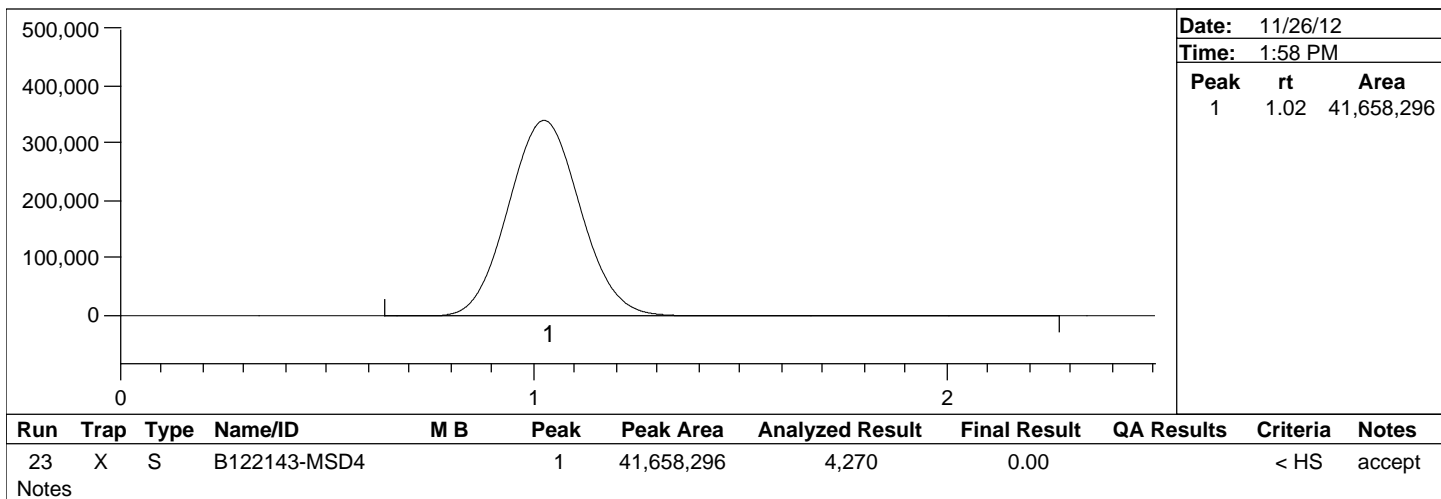
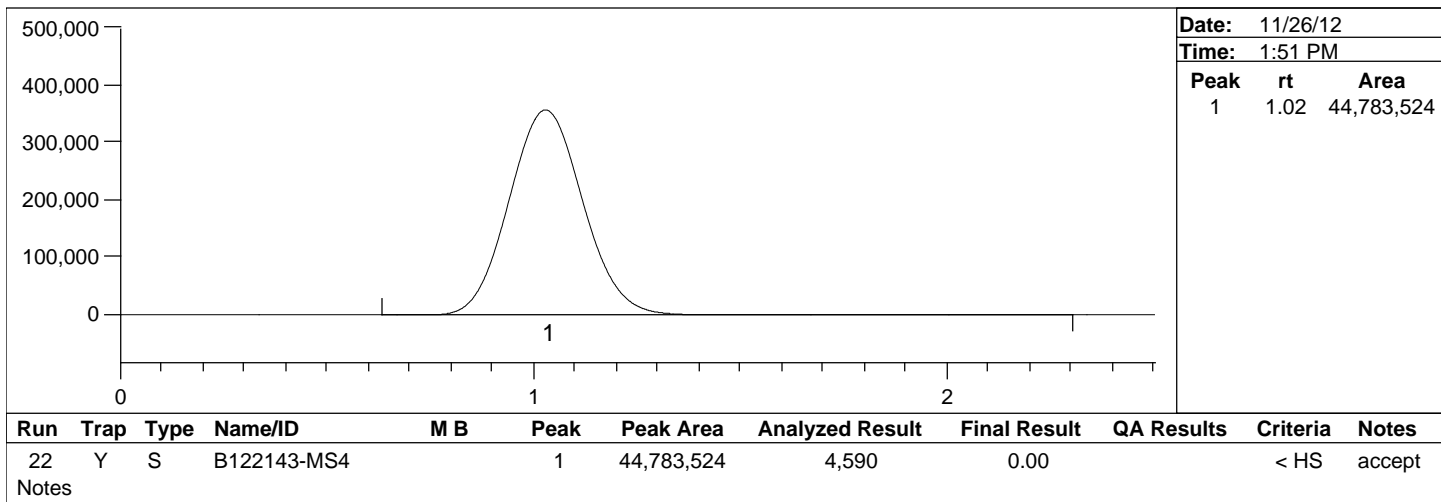
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Instrument ID: THG-05

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Peak Report

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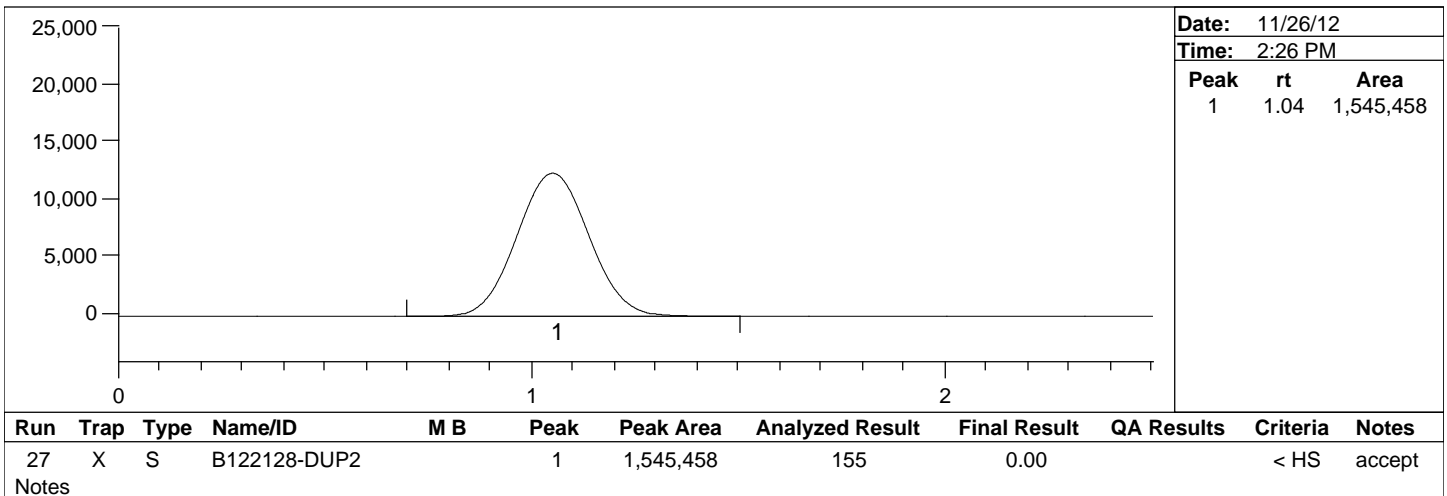
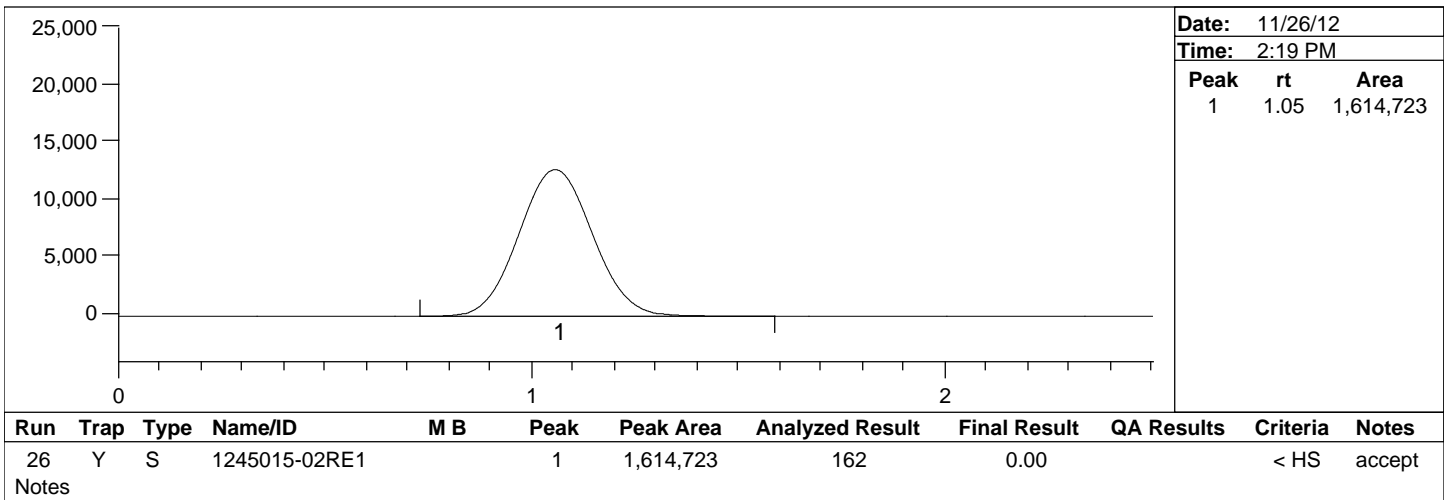
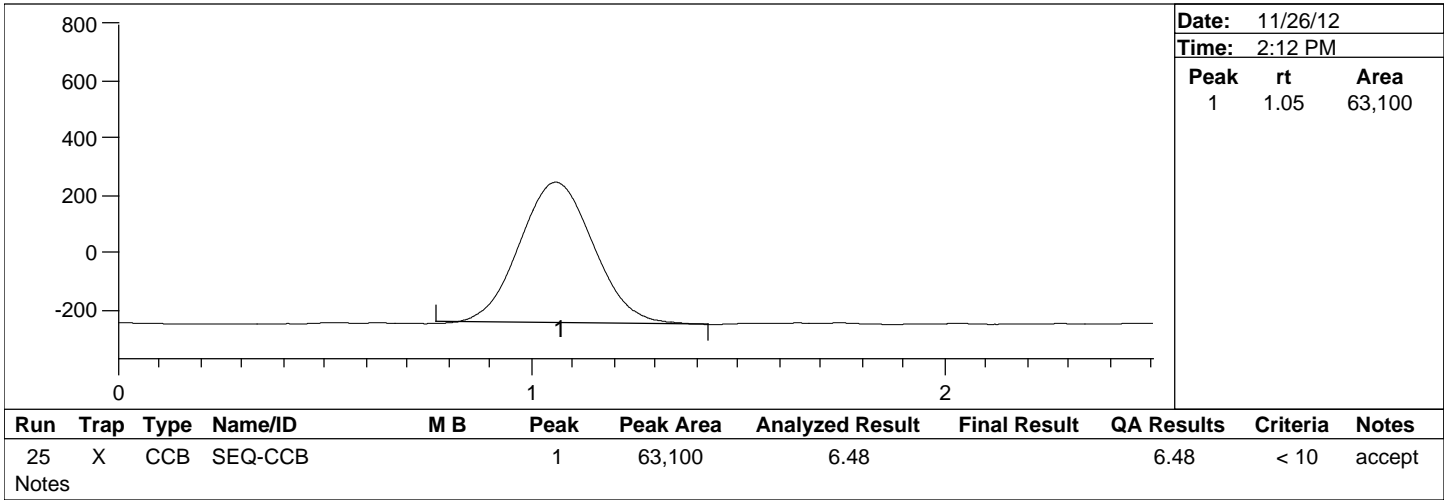
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Project Number(s): 1200884

Instrument ID: THG-05

Date Analyzed: 11/26/12

Analyst Name: MLH



Peak Report

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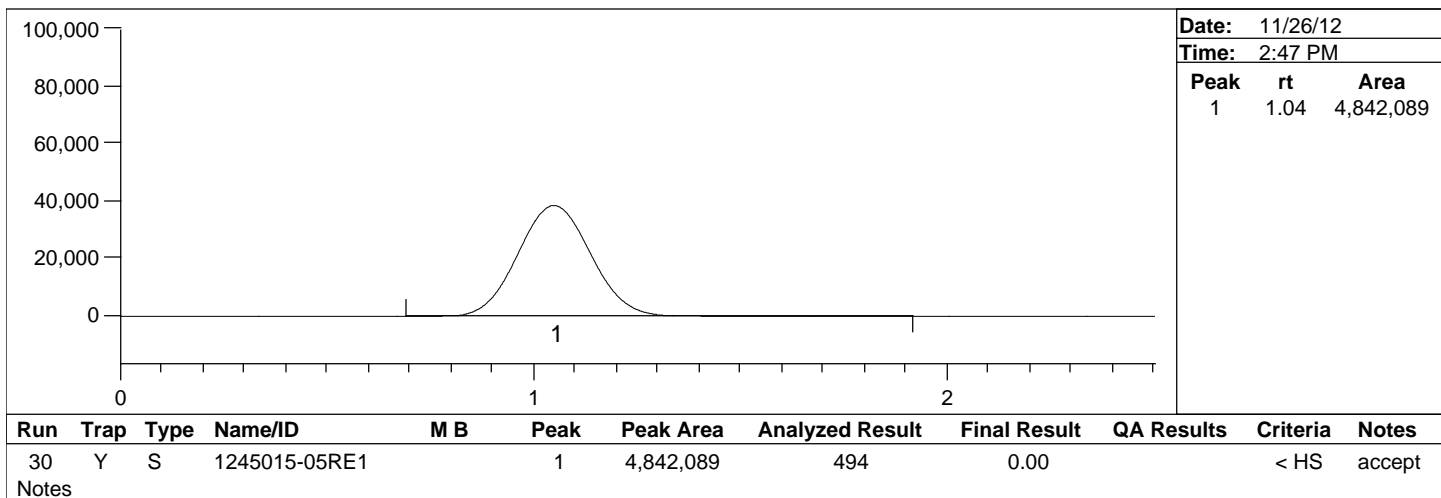
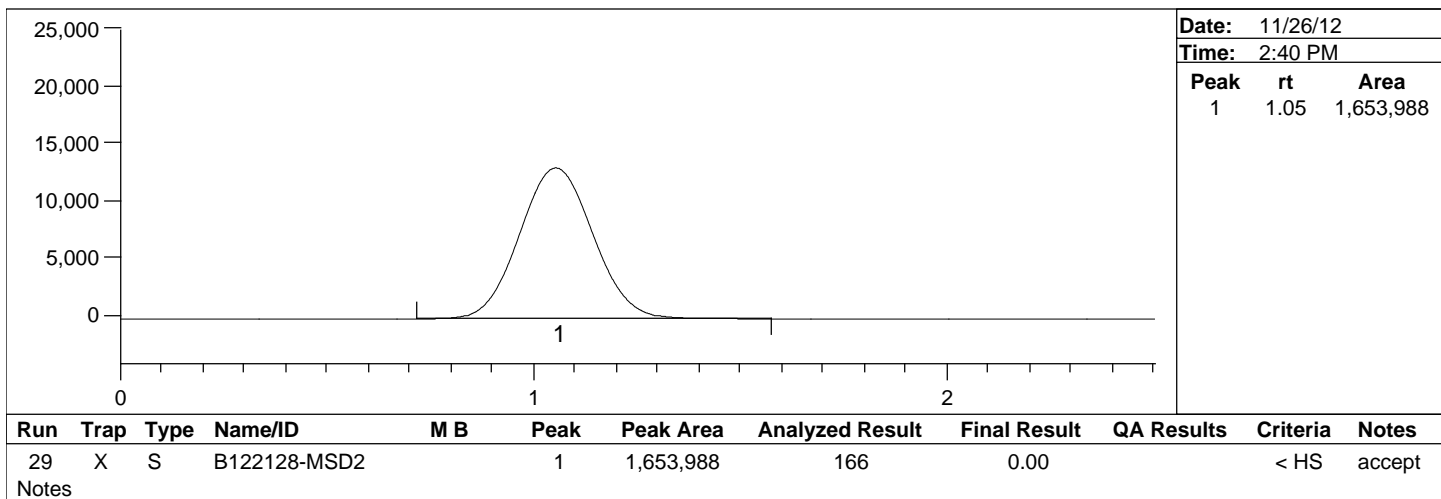
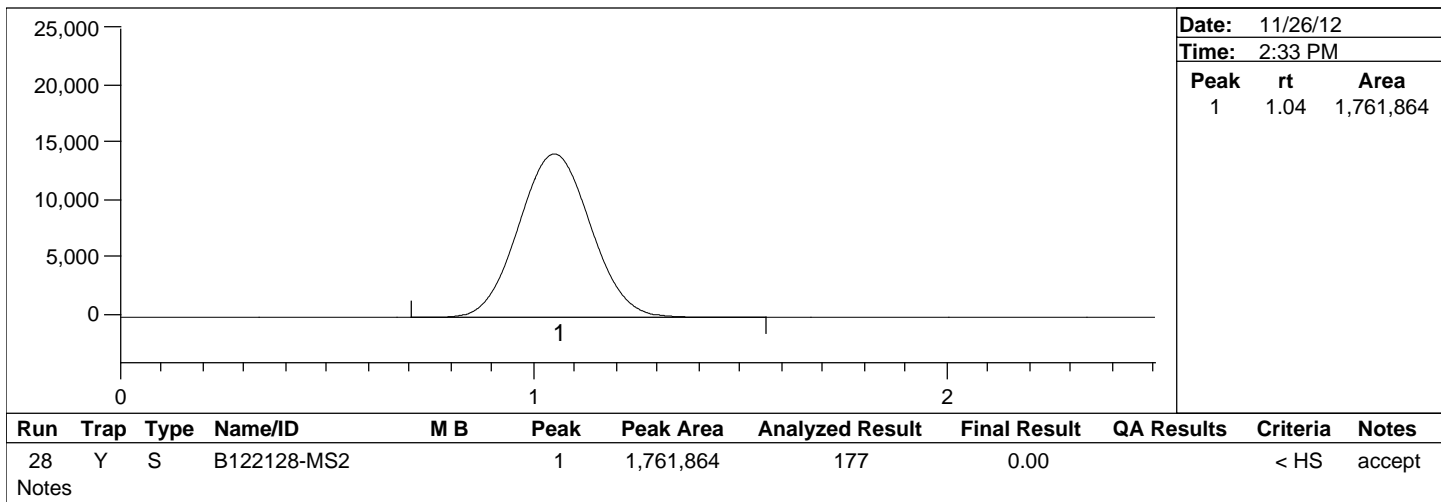
Method Number: CVAFS BR-0006

Project Number(s): 1200884

Instrument ID: THG-05

Date Analyzed: 11/26/12

Analyst Name: MLH



Peak Report

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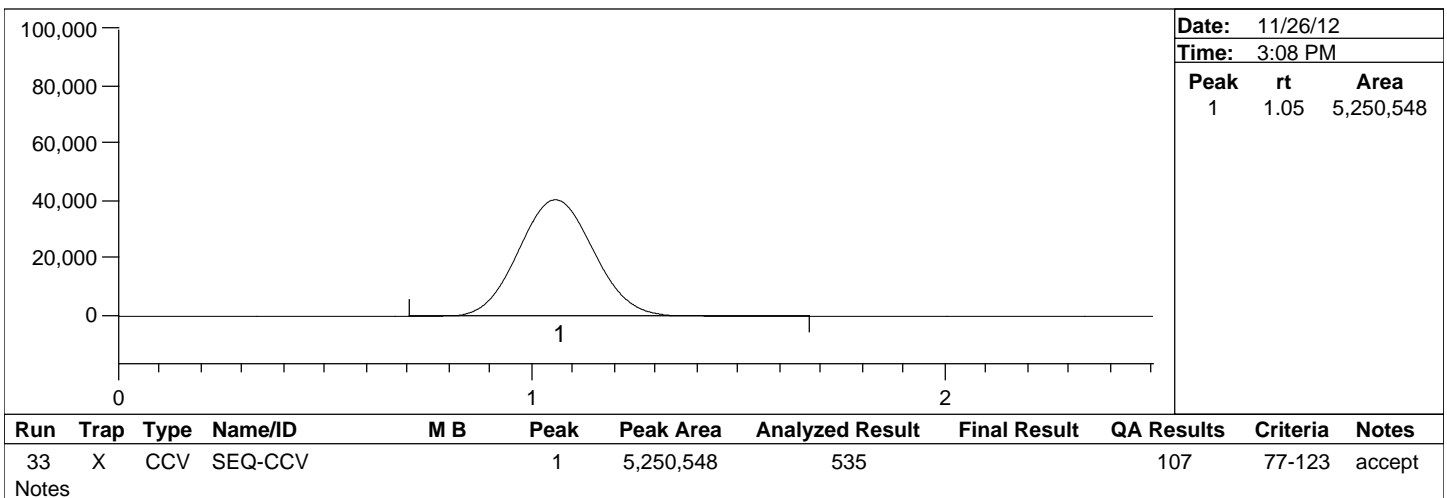
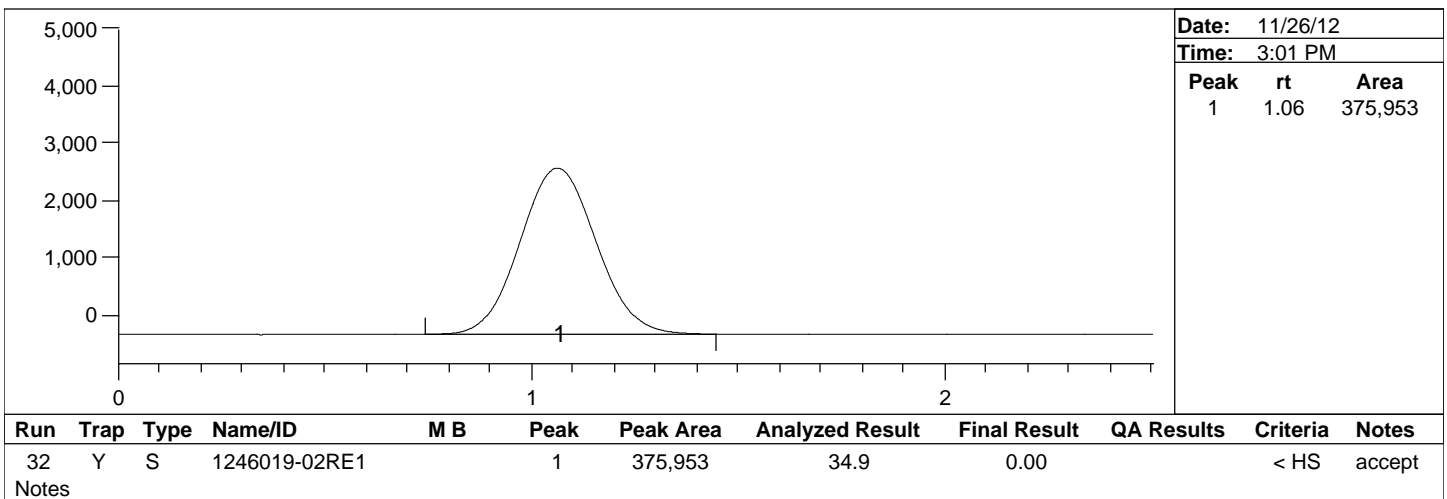
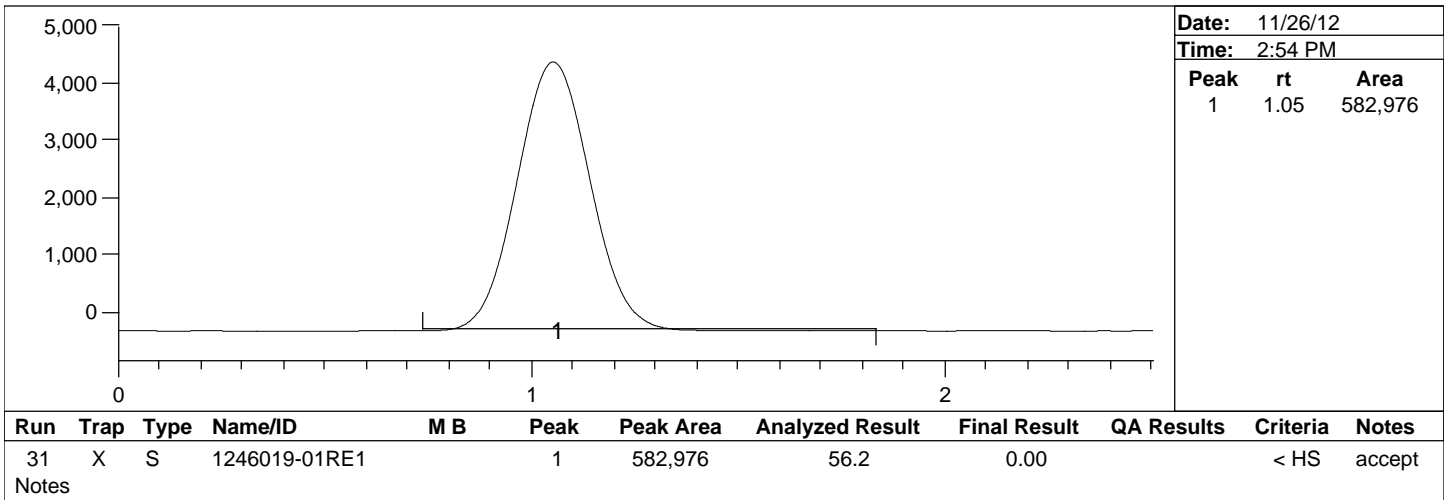
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Project Number(s): 1200884

Instrument ID: THG-05

Date Analyzed: 11/26/12

Analyst Name: MLH



Peak Report

Batch Number: B122143, 2128, 2176, 2125

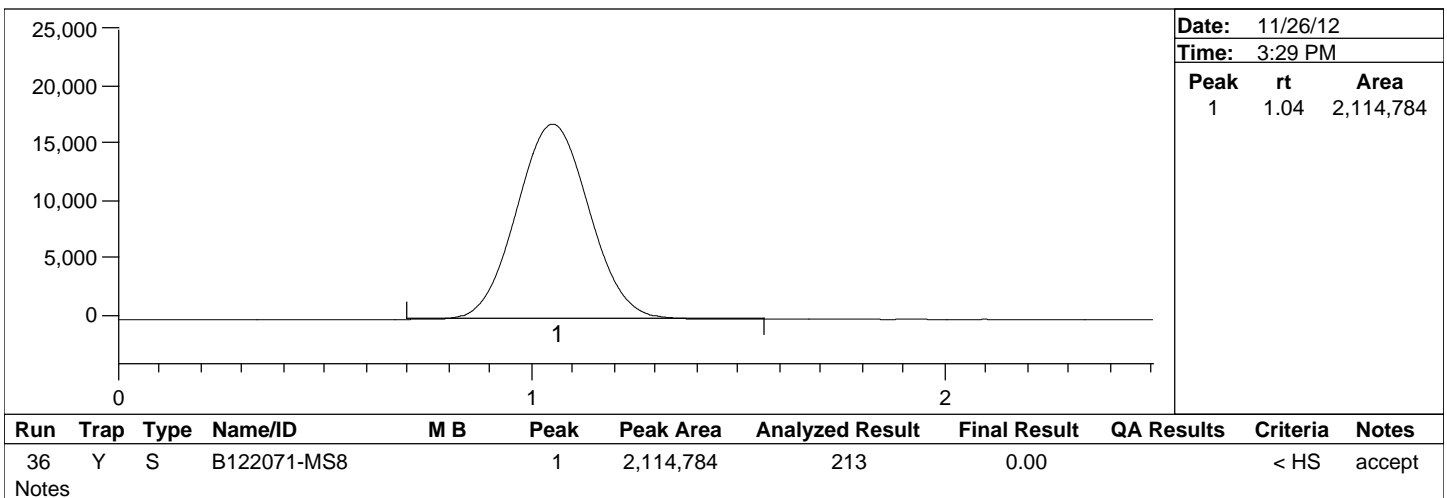
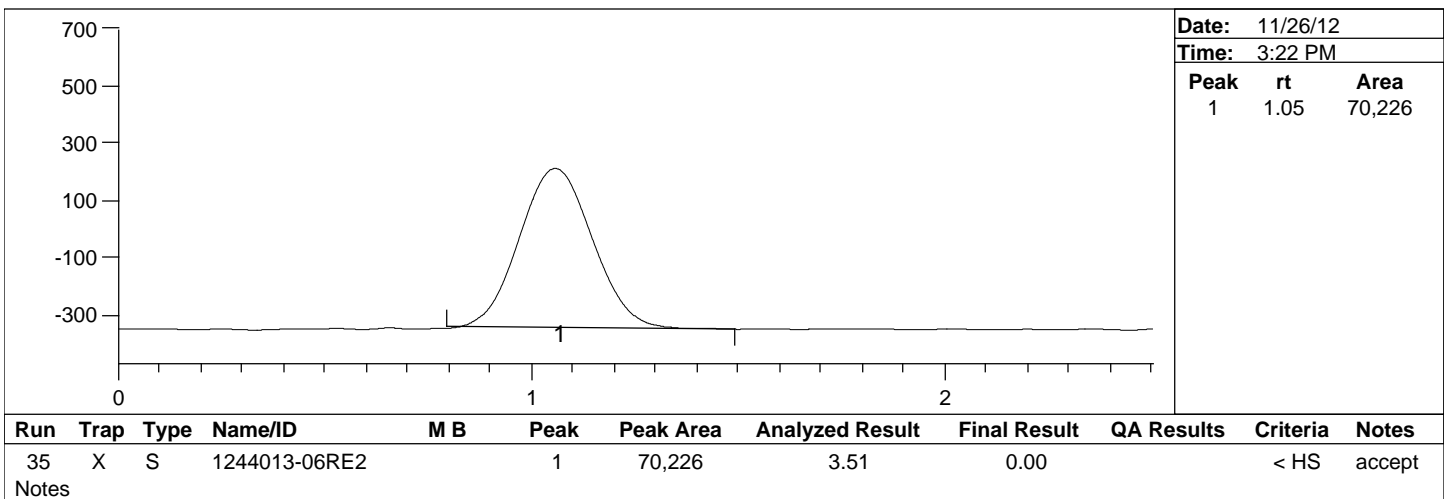
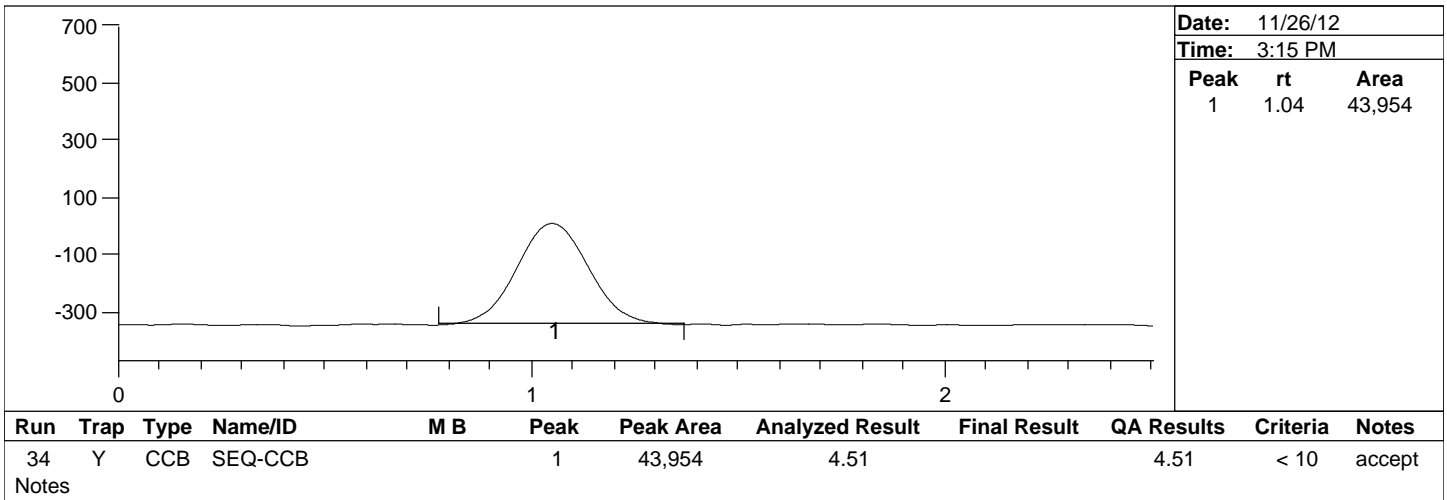
Method Number: CVAFS BR-0006

Project Number(s): 1200884

Instrument ID: THG-05

Date Analyzed: 11/26/12

Analyst Name: MLH



Peak Report

Batch Number: B122143, 2128, 2176, 2125

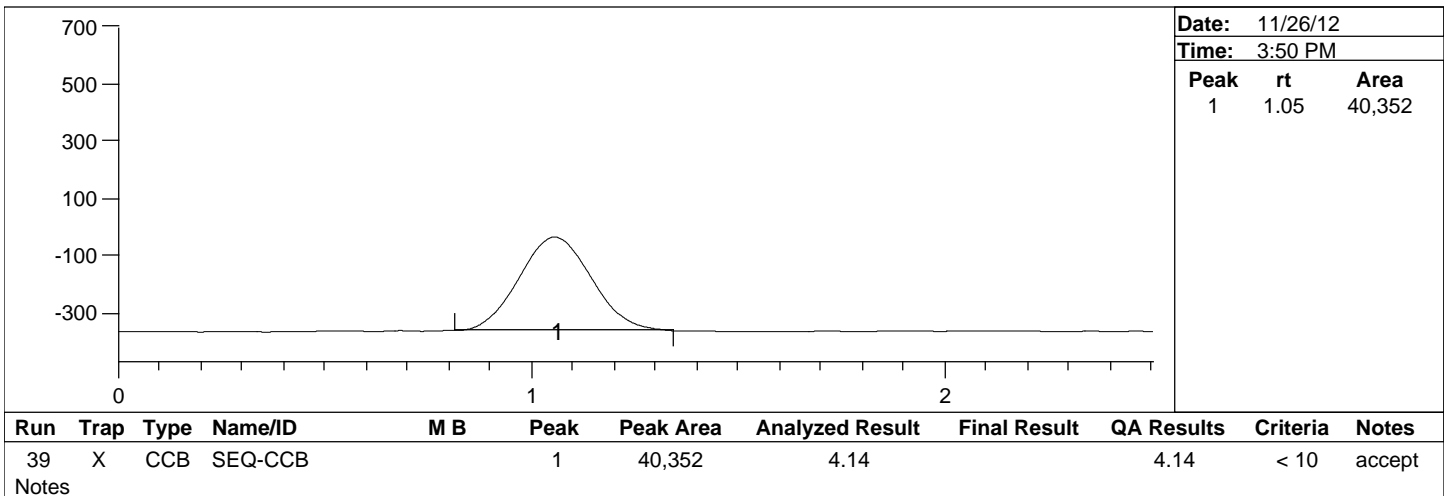
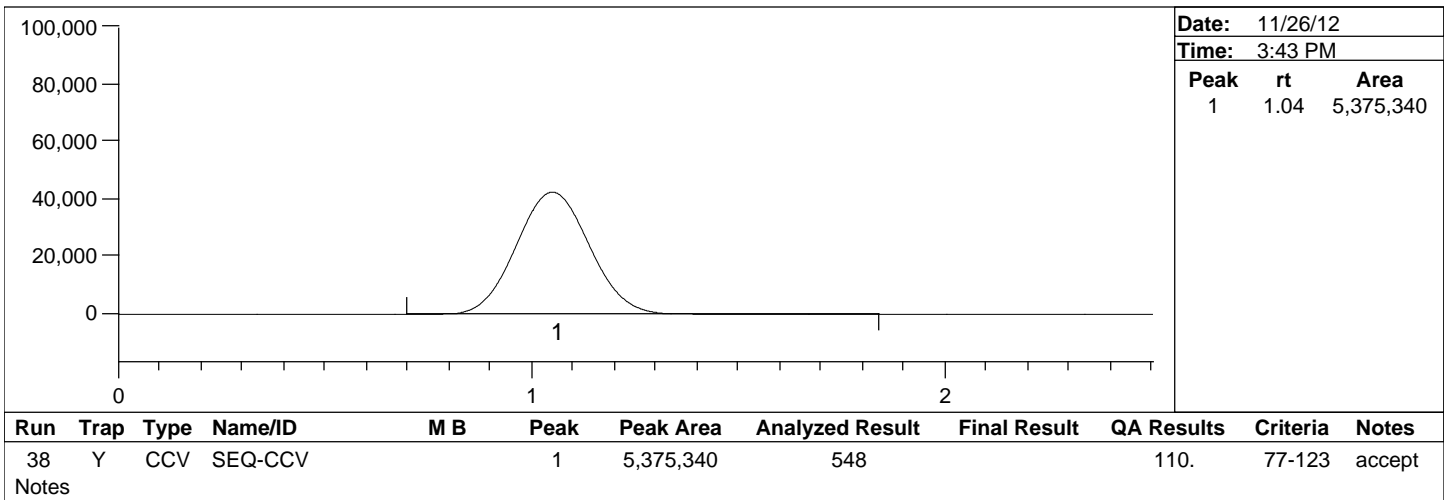
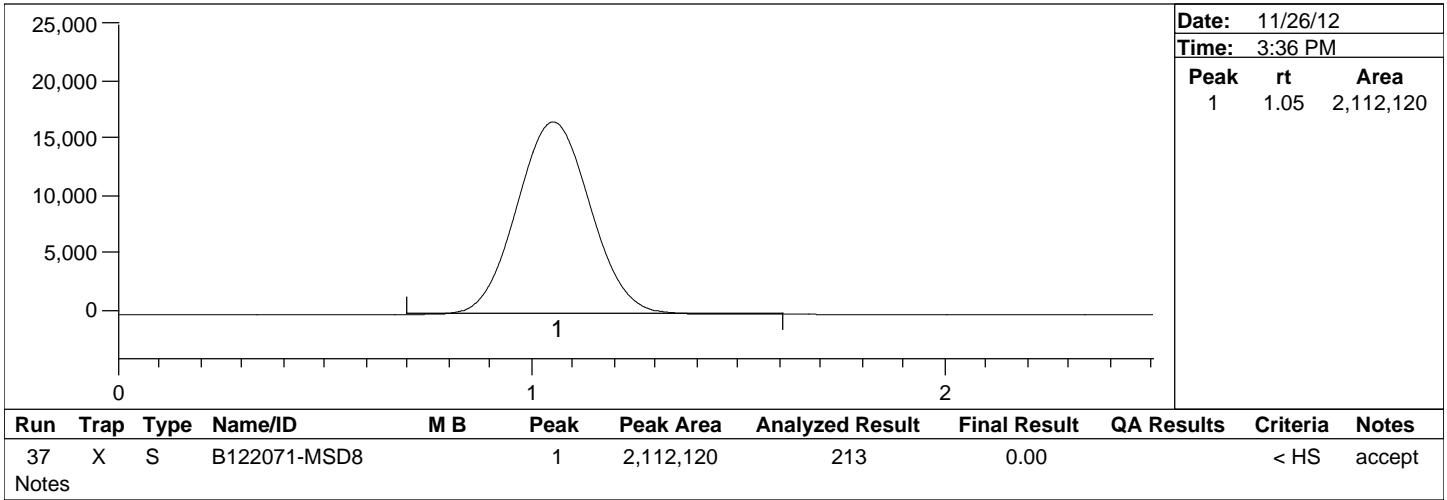
Method Number: CVAFS BR-0006

Project Number(s): 1200884

Instrument ID: THG-05

Date Analyzed: 11/26/12

Analyst Name: MLH



Peak Report

Batch Number: B122143, 2128, 2176, 2125

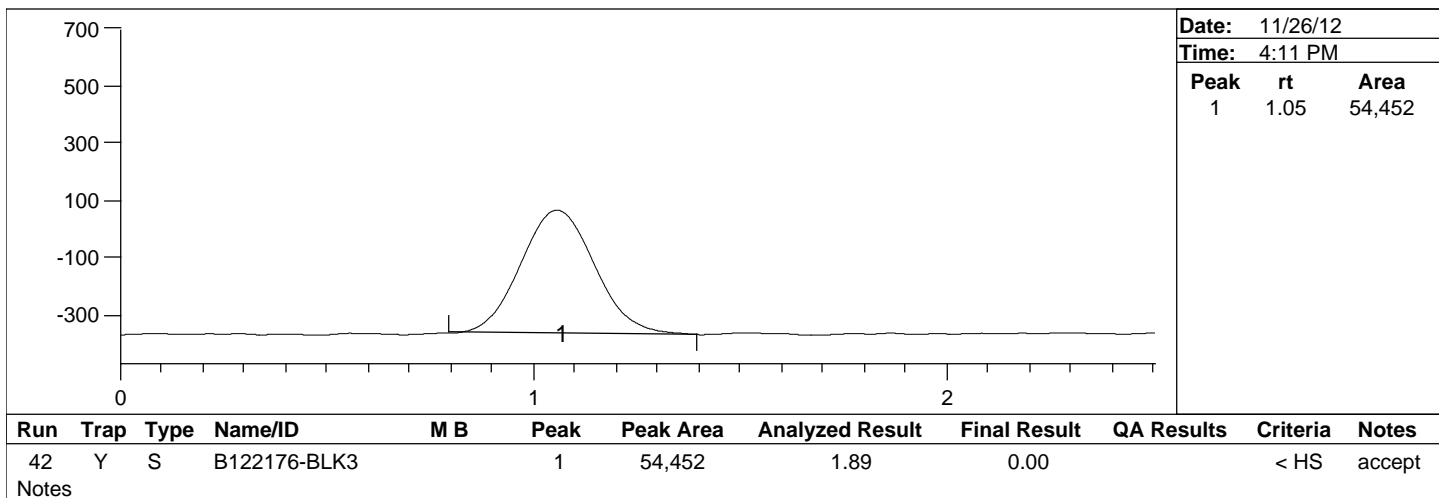
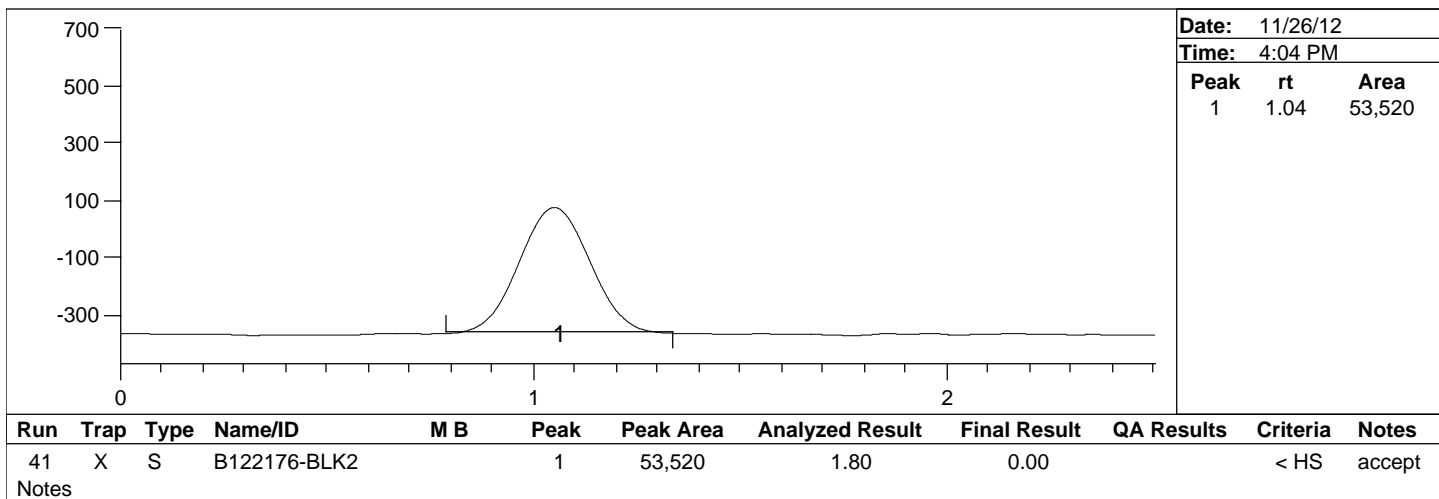
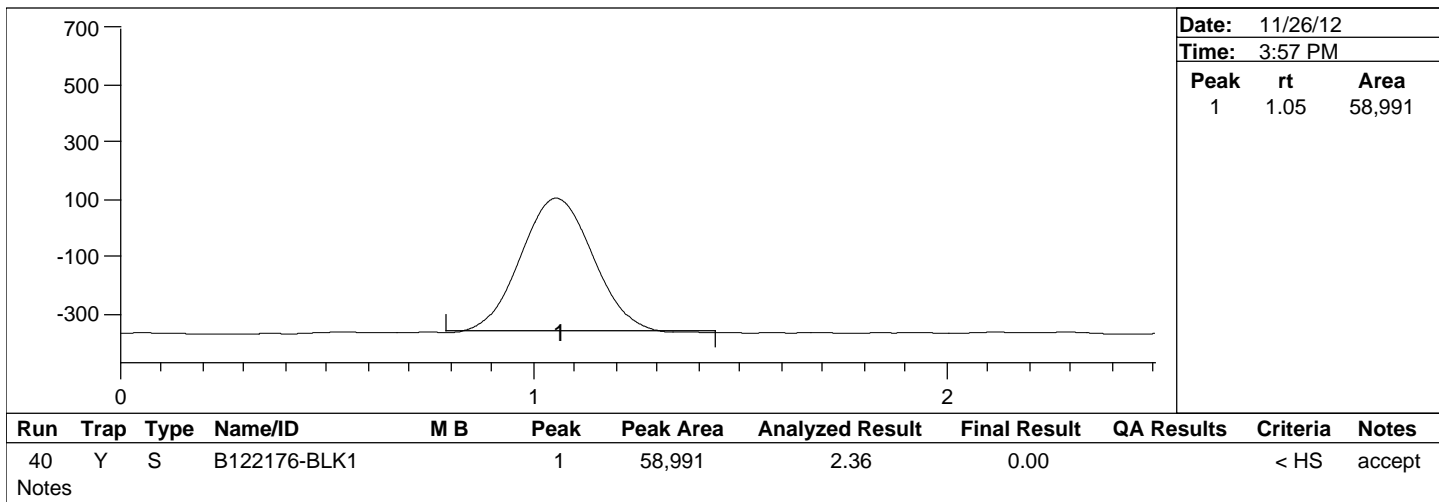
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Project Number(s): 1200884

Instrument ID: THG-05

Date Analyzed: 11/26/12

Analyst Name: MLH



Peak Report

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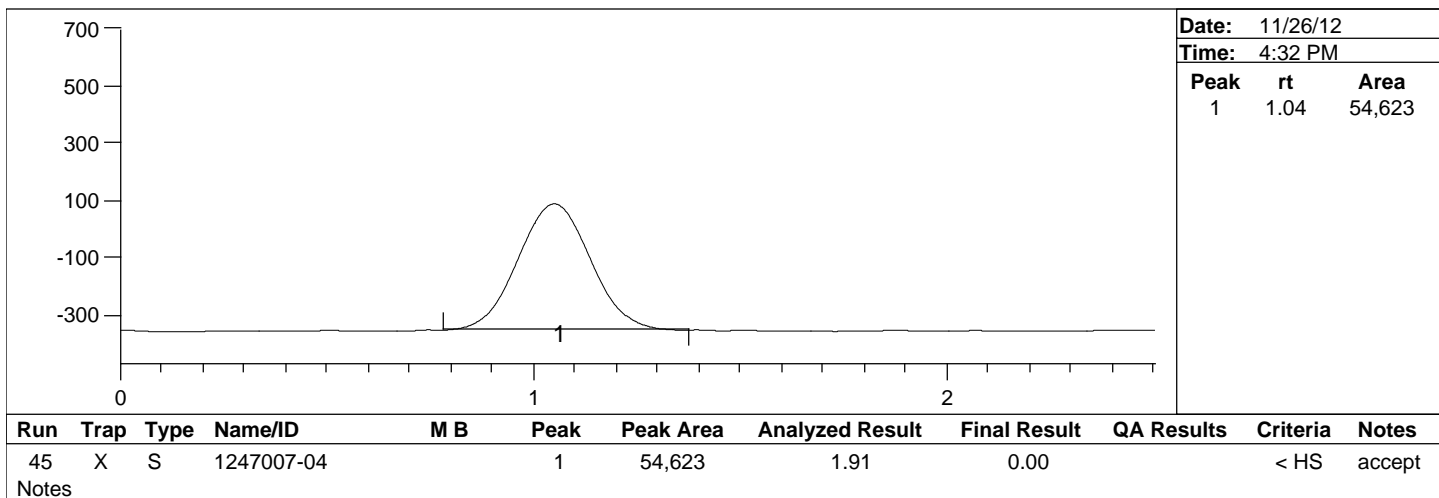
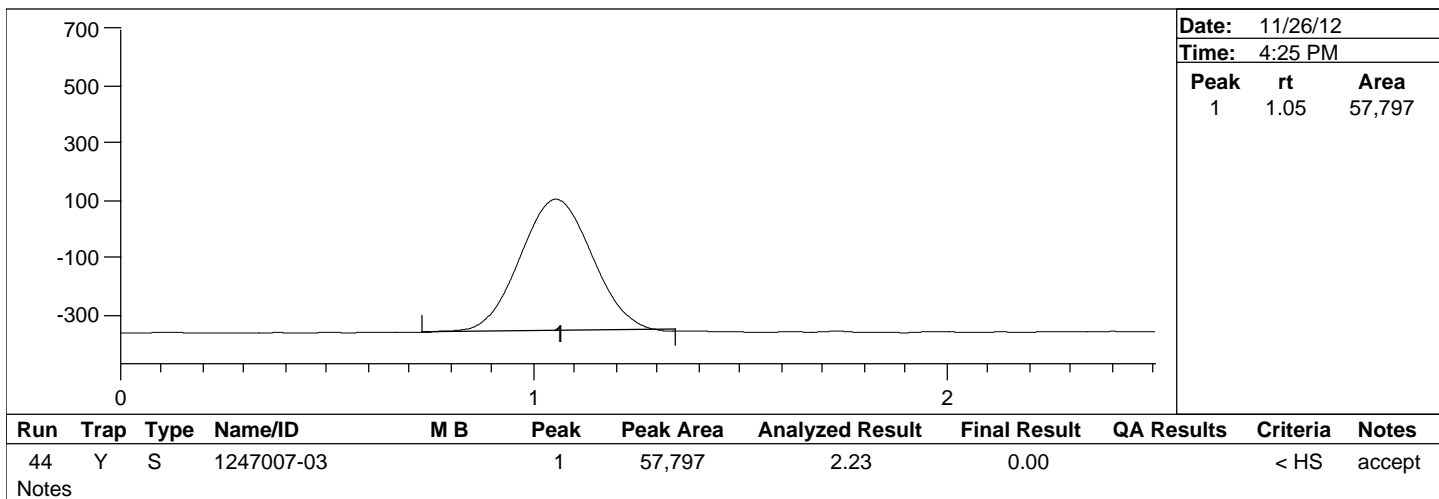
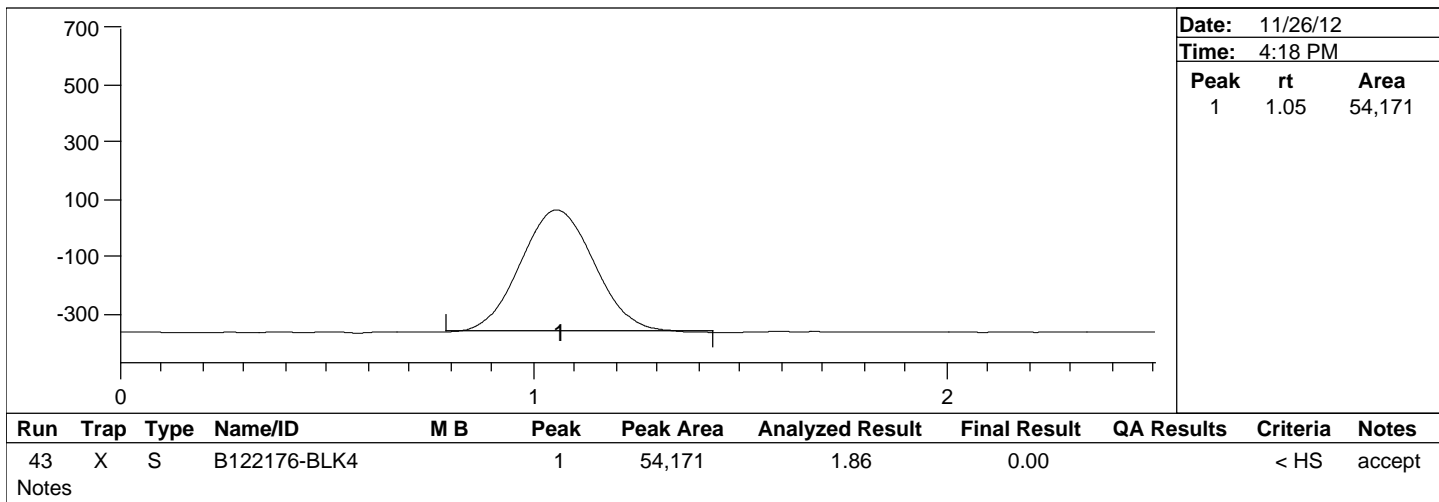
Method Number: CVAFS BR-0006

Project Number(s): 1200884

Instrument ID: THG-05

Date Analyzed: 11/26/12

Analyst Name: MLH



Peak Report

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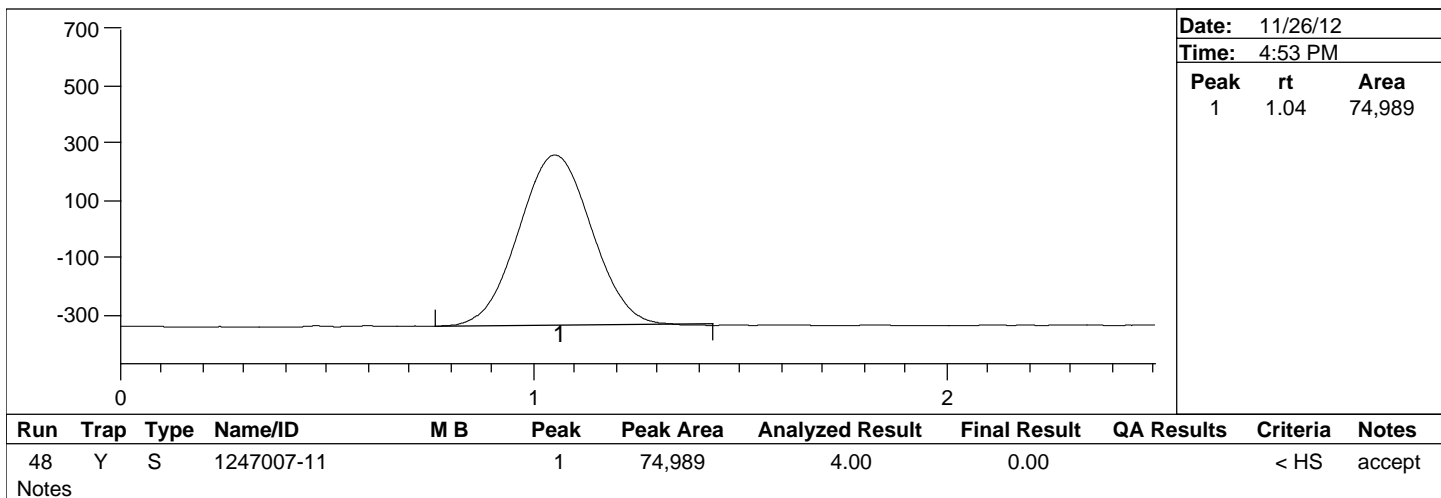
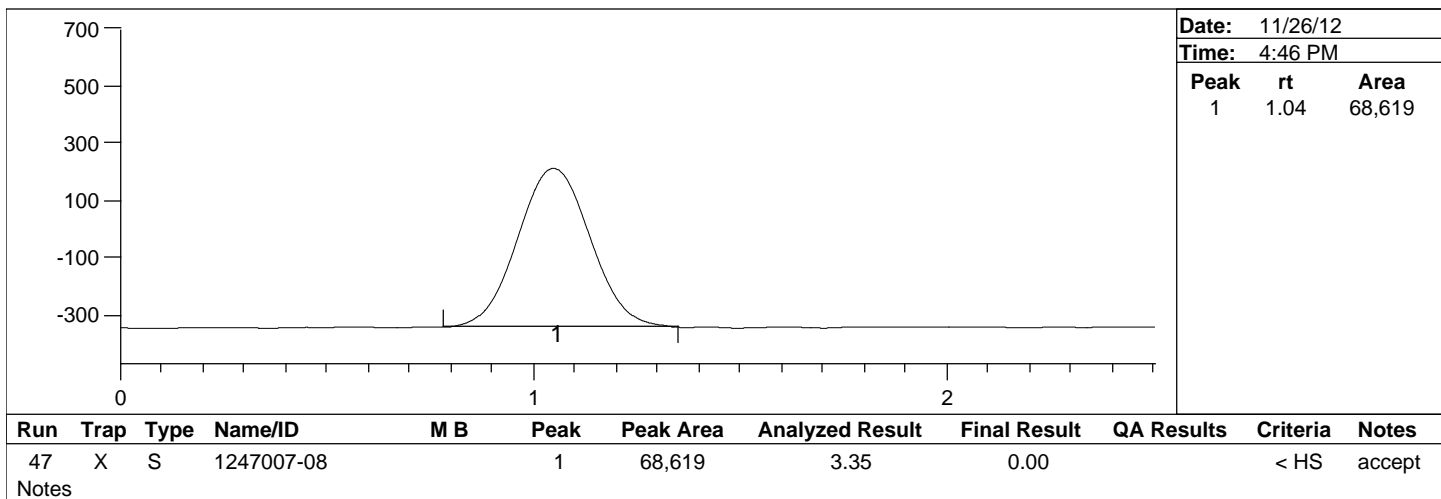
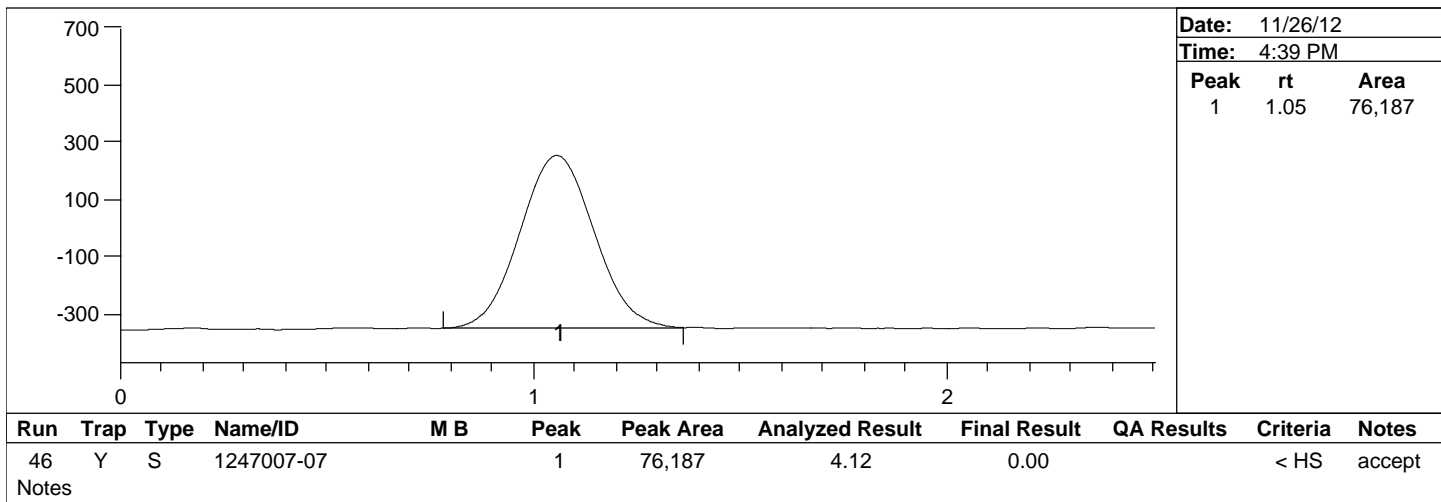
Method Number: CVAFS BR-0006

Project Number(s): 1200884

Instrument ID: THG-05

Date Analyzed: 11/26/12

Analyst Name: MLH



Peak Report

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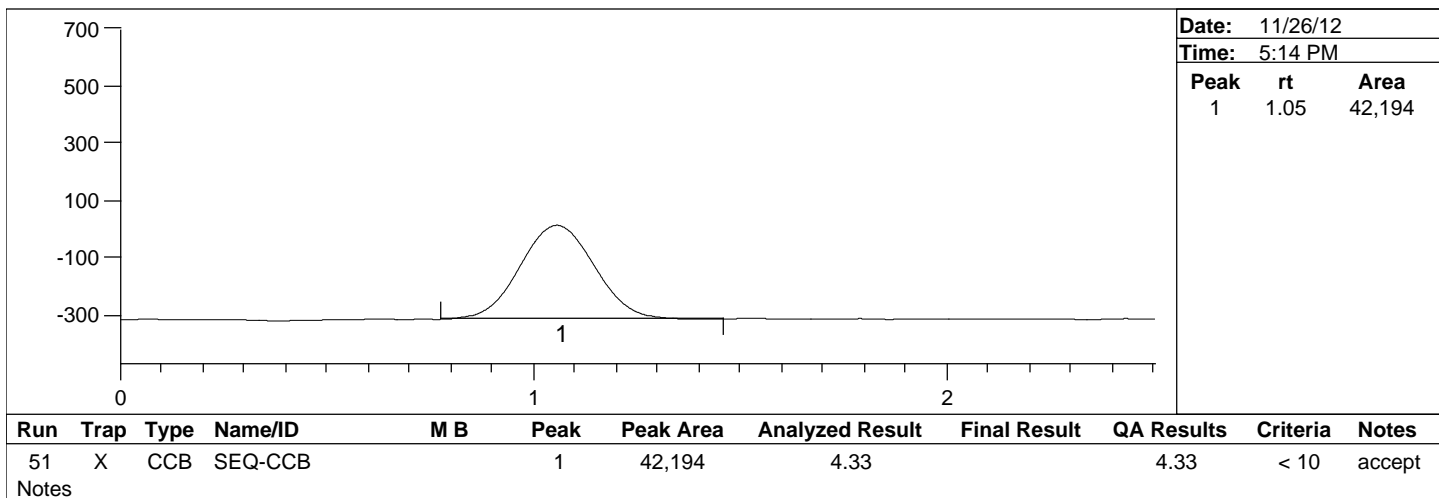
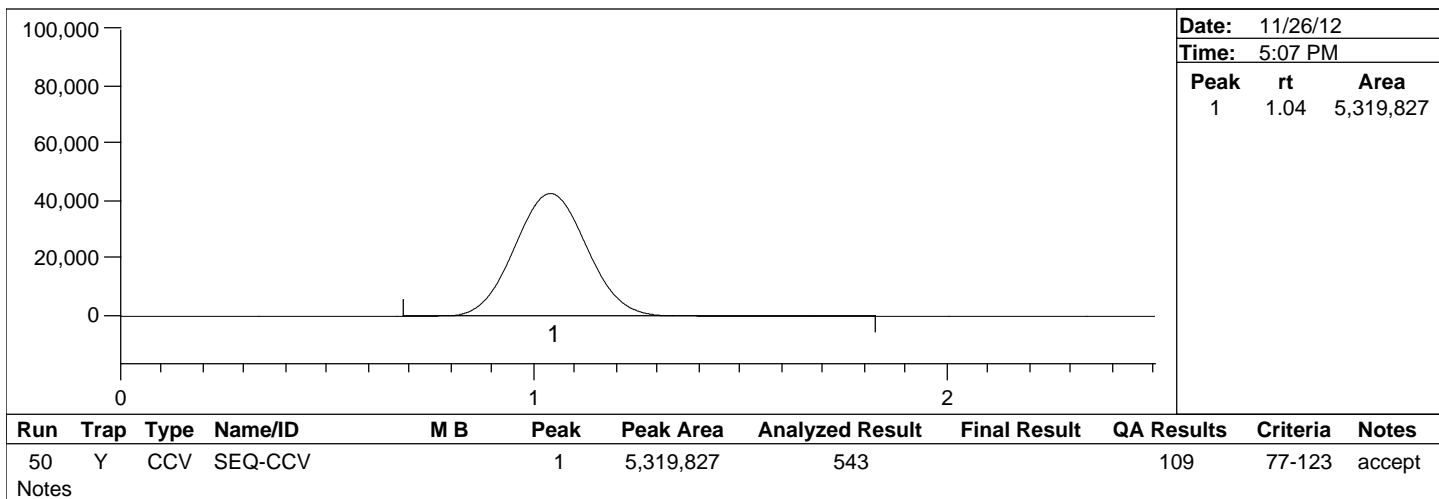
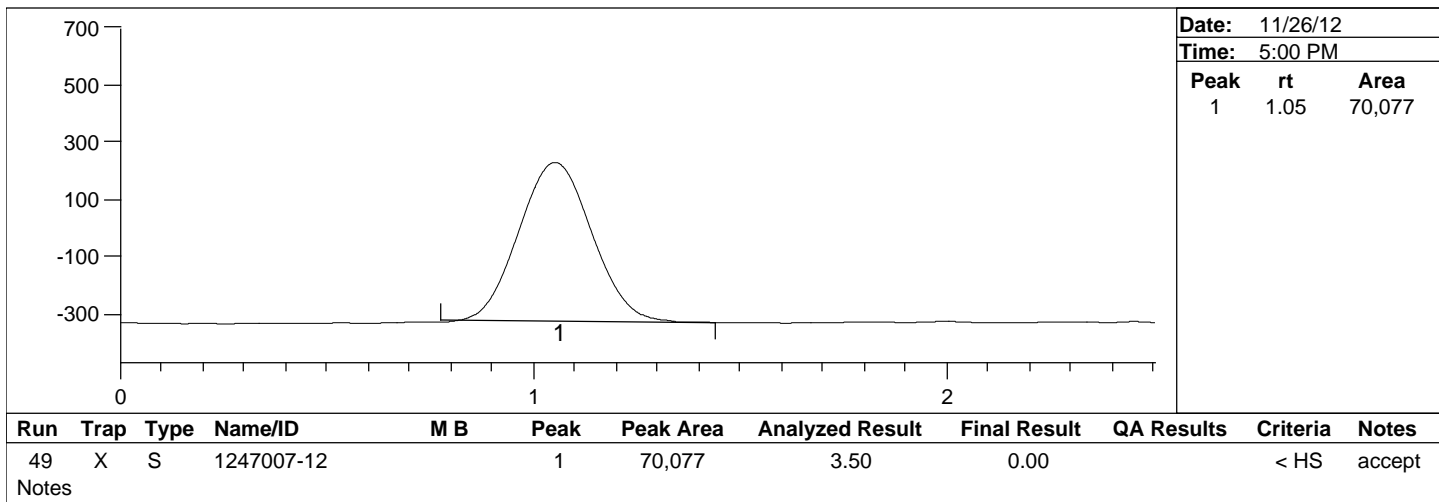
Method Number: CVAFS BR-0006

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Peak Report

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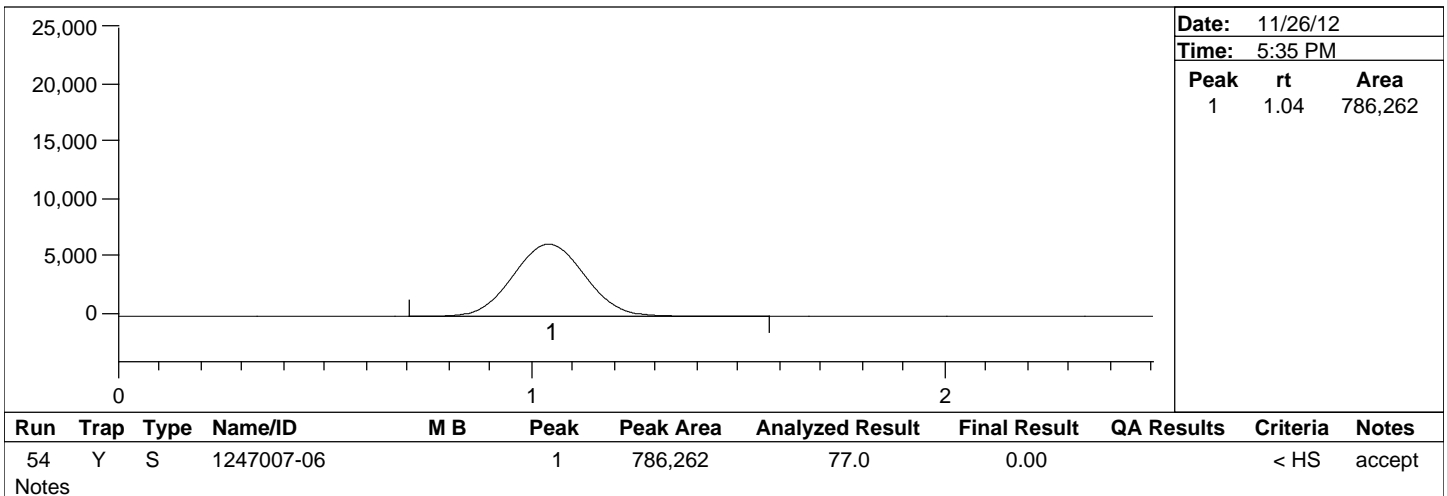
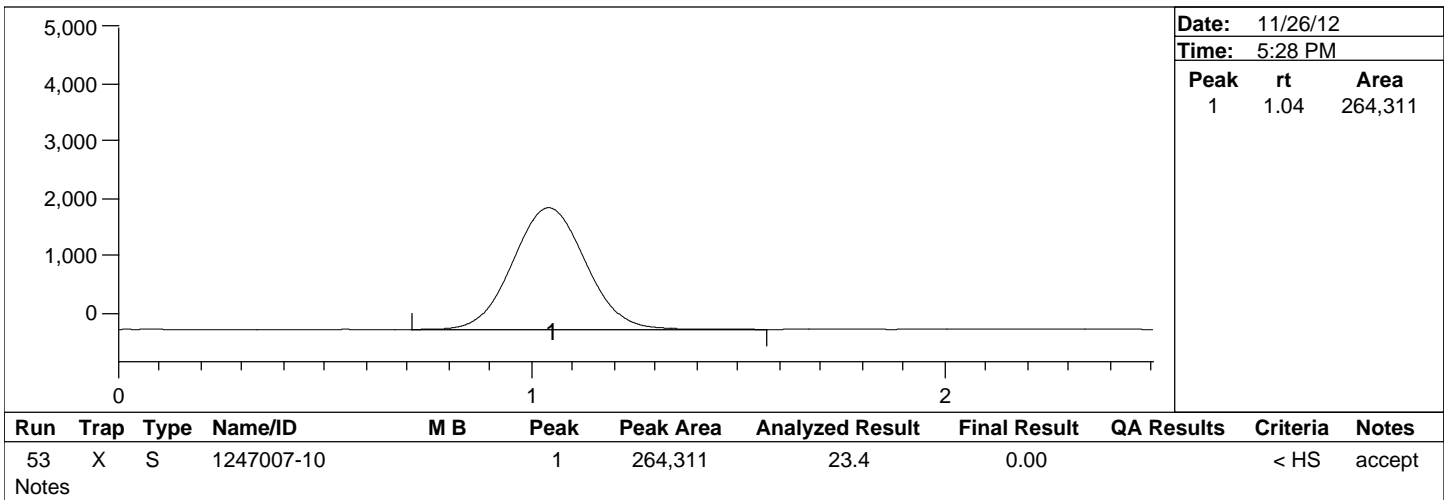
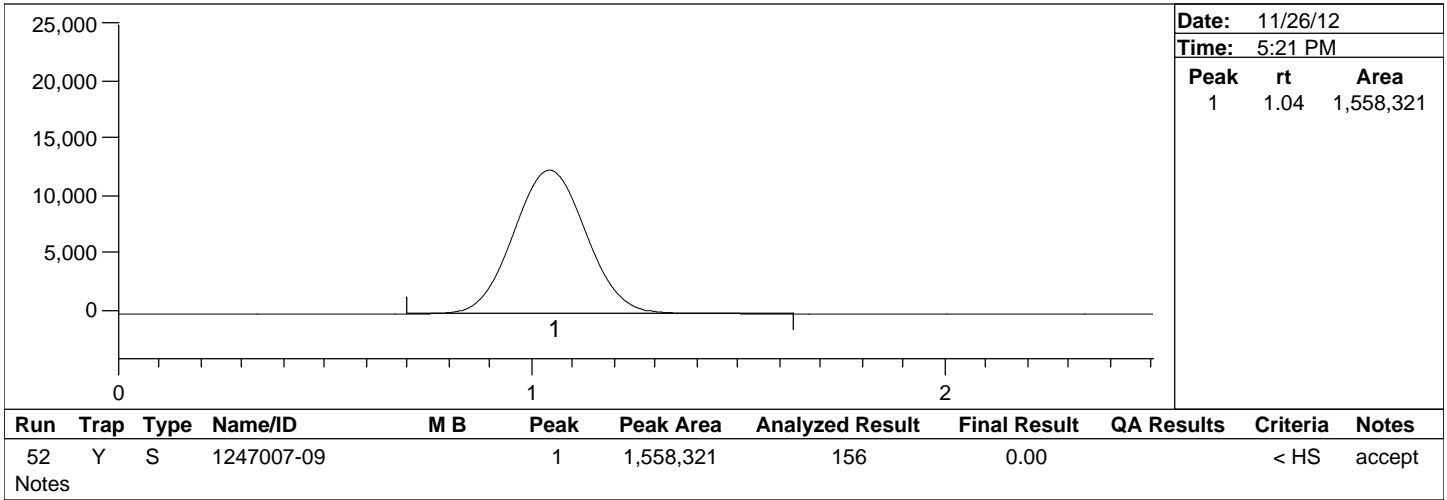
Method Number: CVAFS BR-0006

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Peak Report

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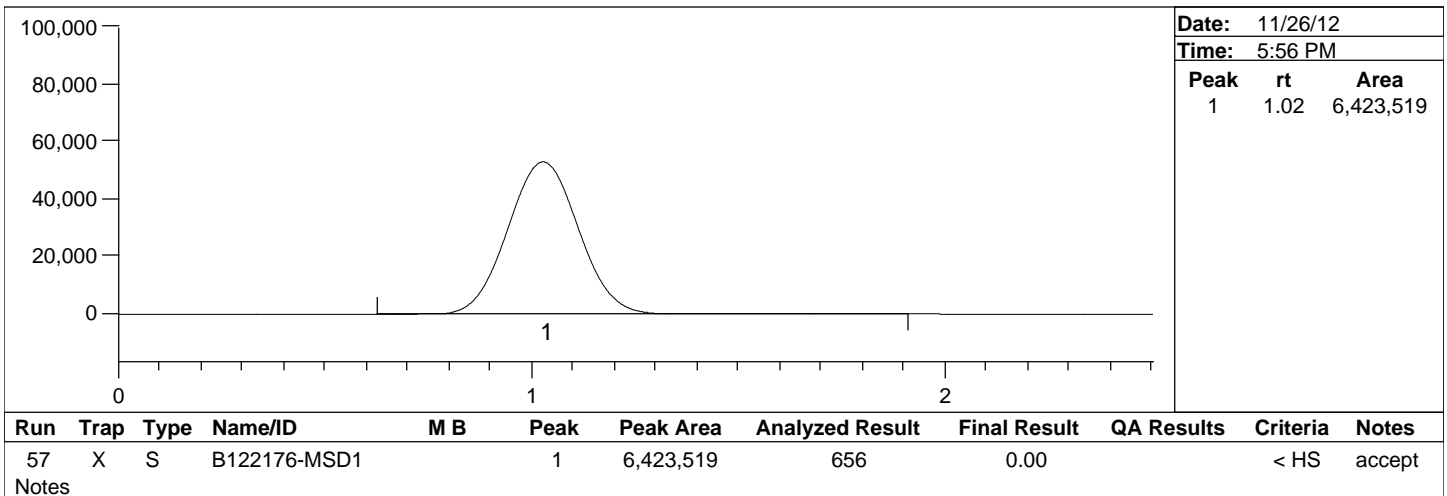
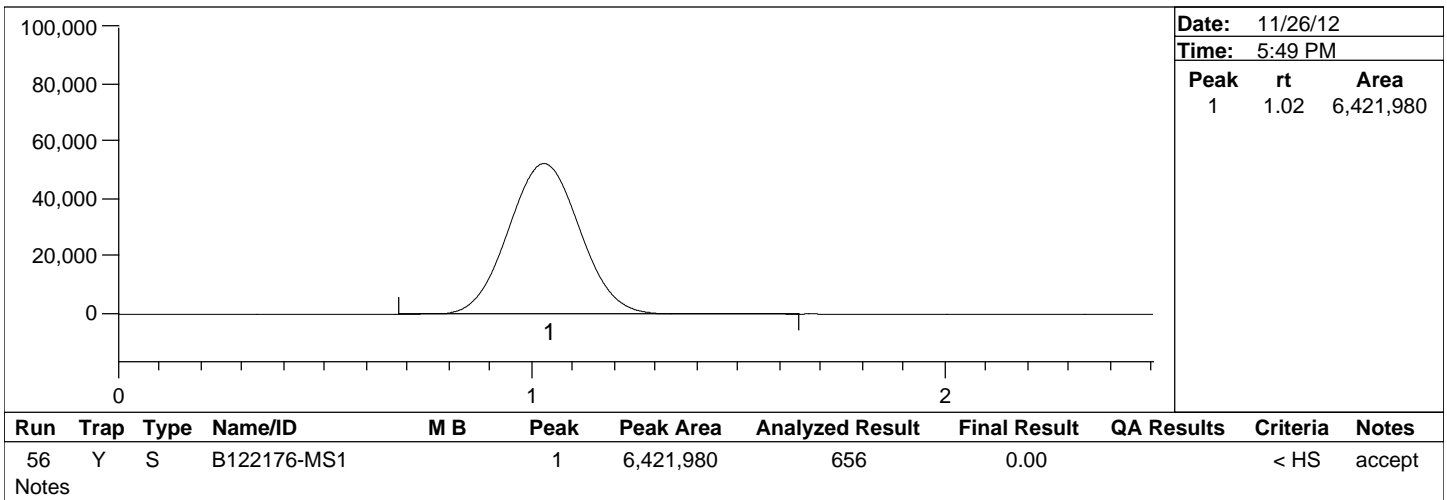
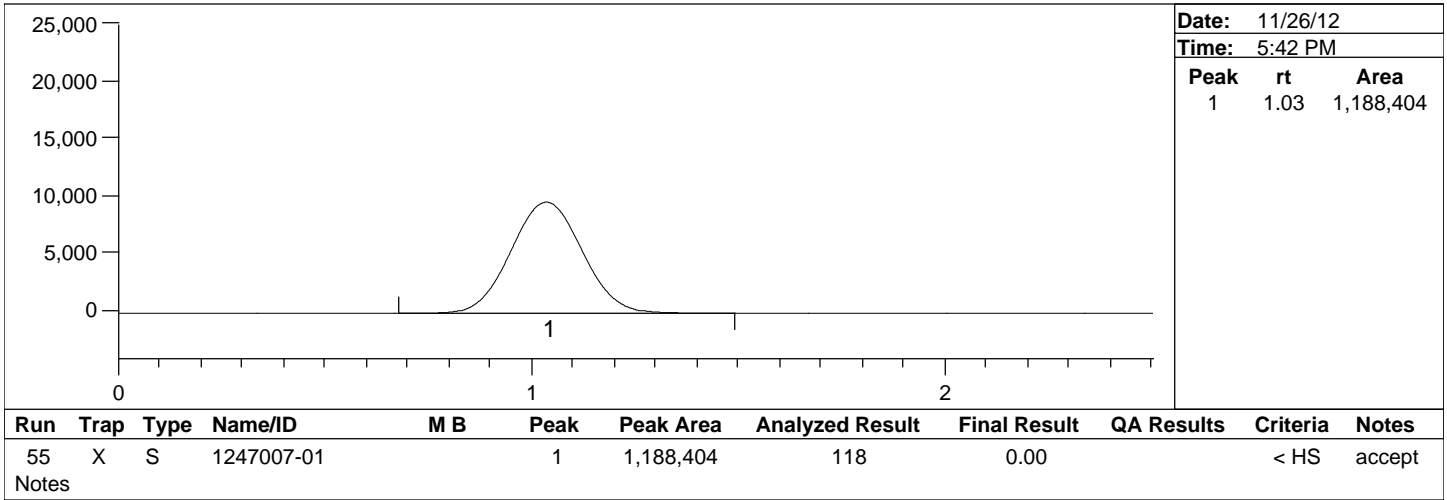
Method Number: CVAFS BR-0006

Project Number(s): 1200884

Instrument ID: THG-05

Date Analyzed: 11/26/12

Analyst Name: MLH



Peak Report

Batch Number: B122143, 2128, 2176, 2125

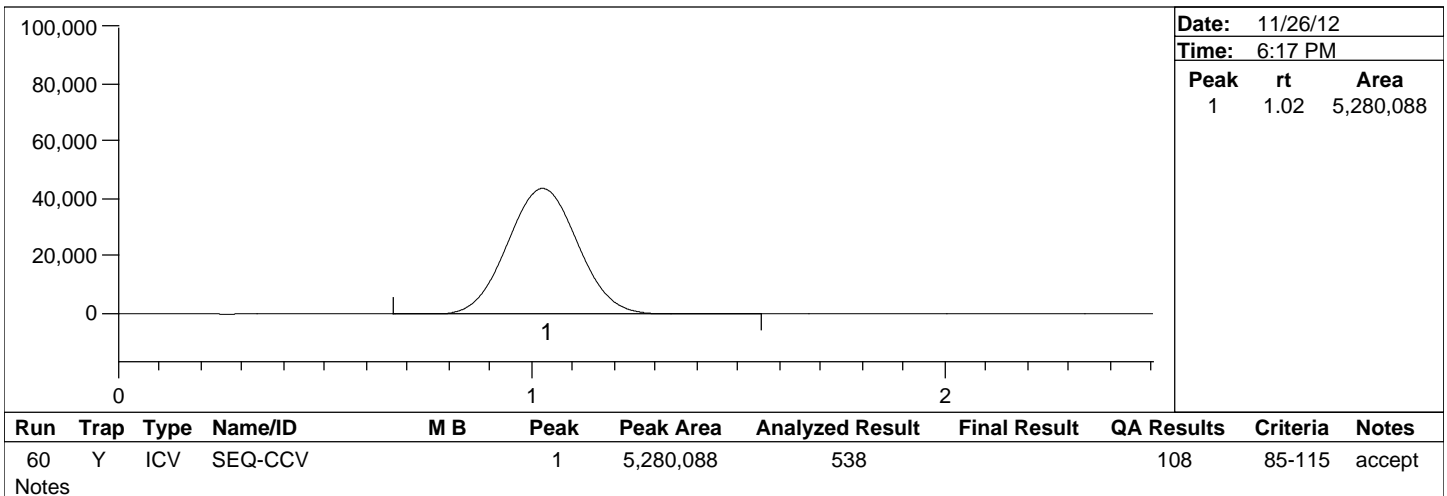
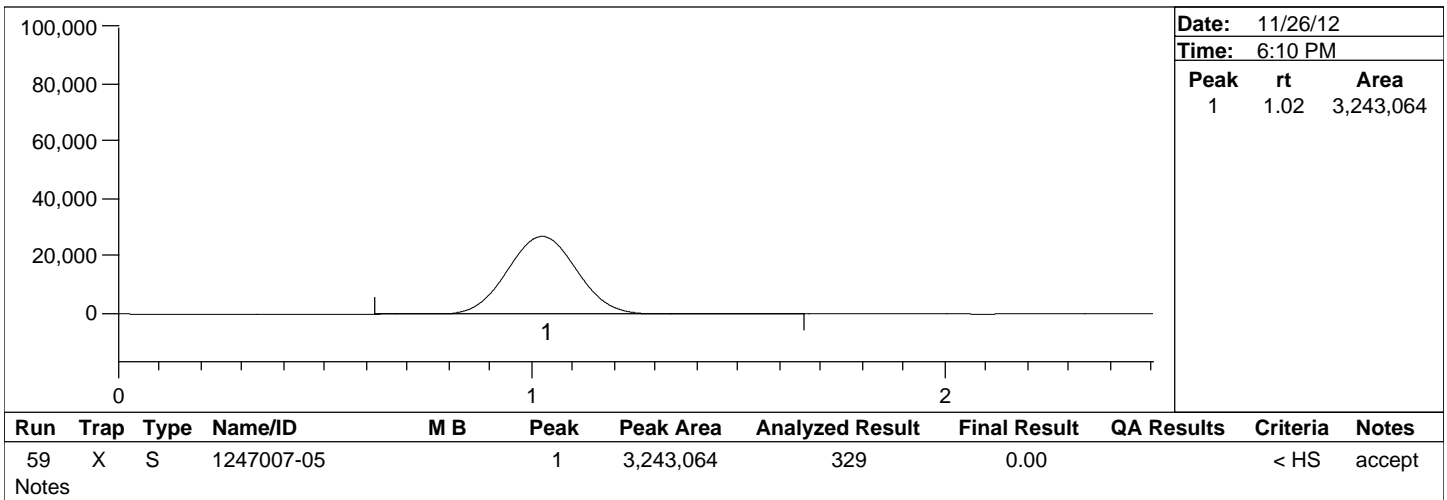
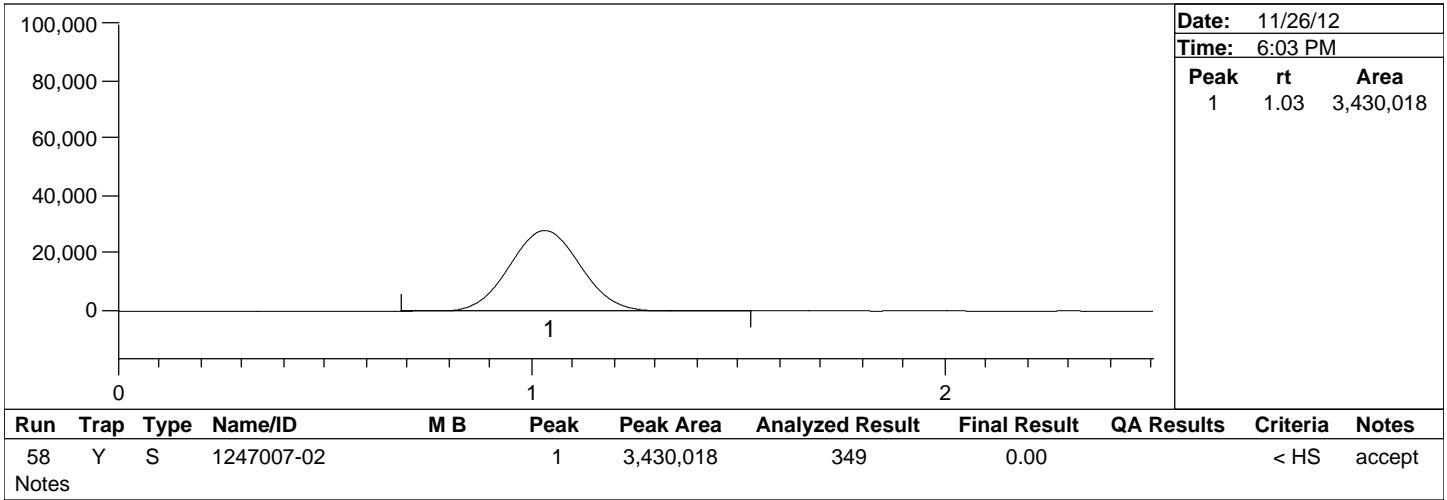
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Project Number(s): 1200884

Instrument ID: THG-05

Date Analyzed: 11/26/12

Analyst Name: MLH



Peak Report

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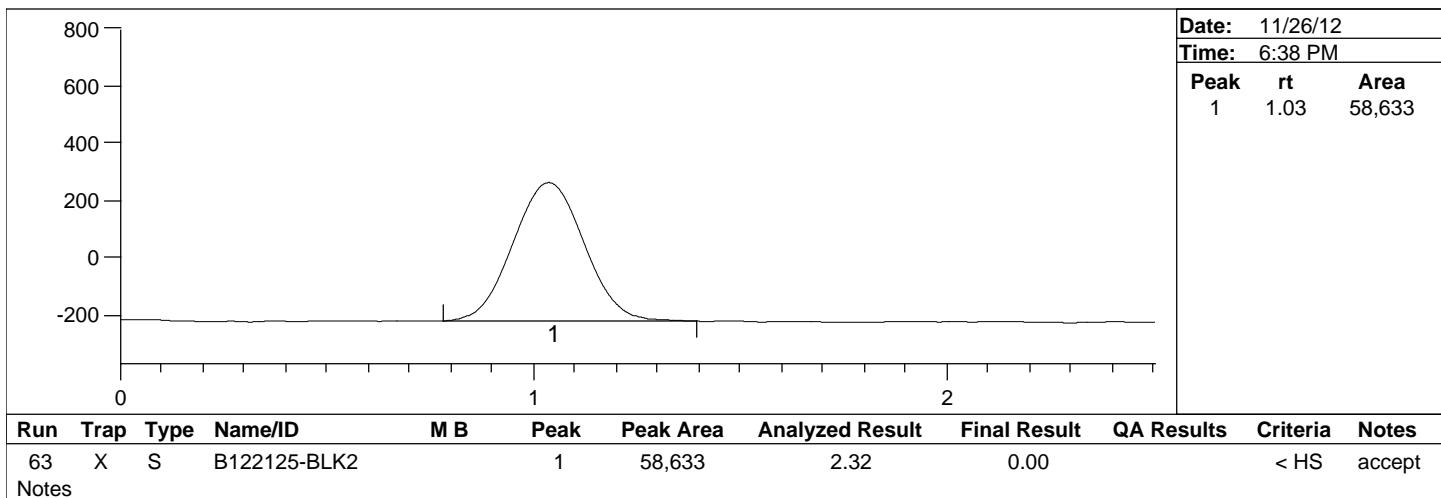
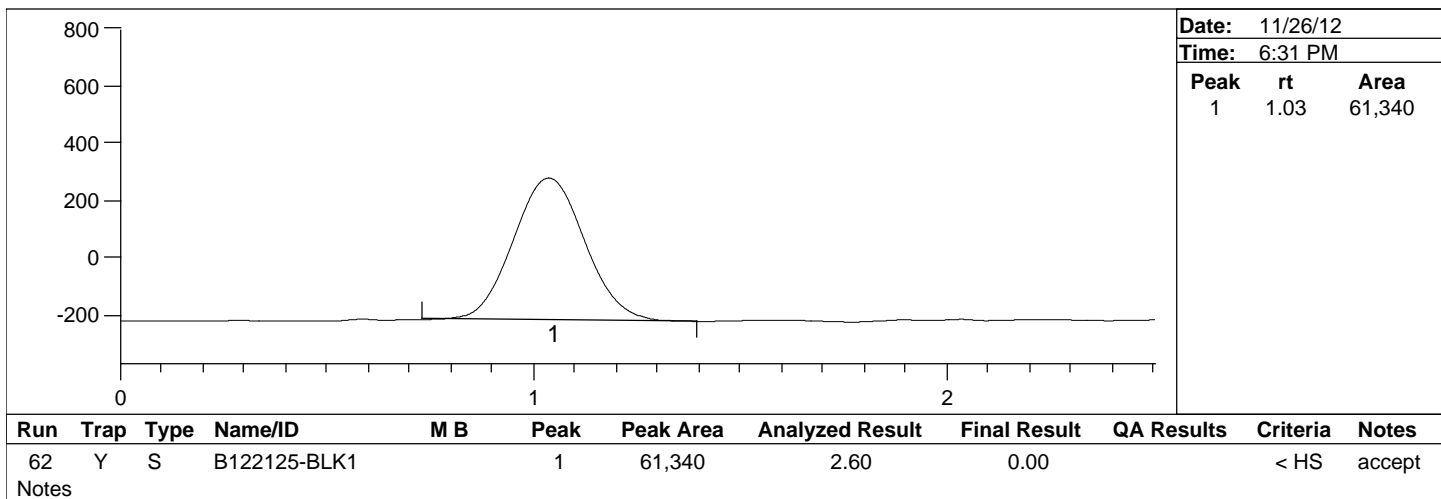
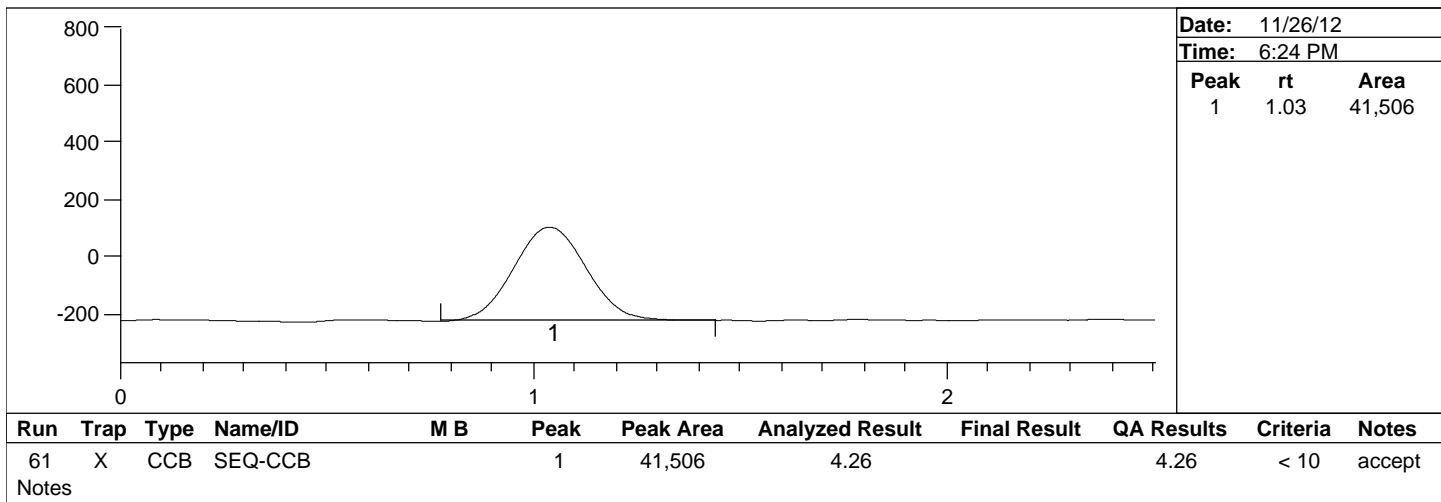
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Instrument ID: THG-05

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Analyst Name: MLH



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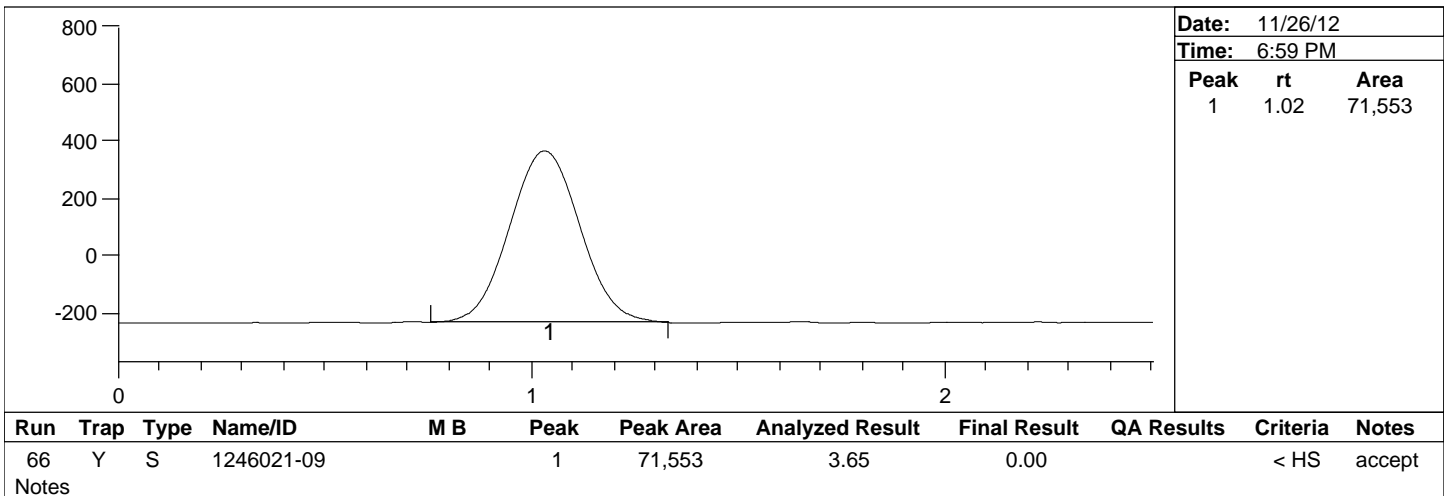
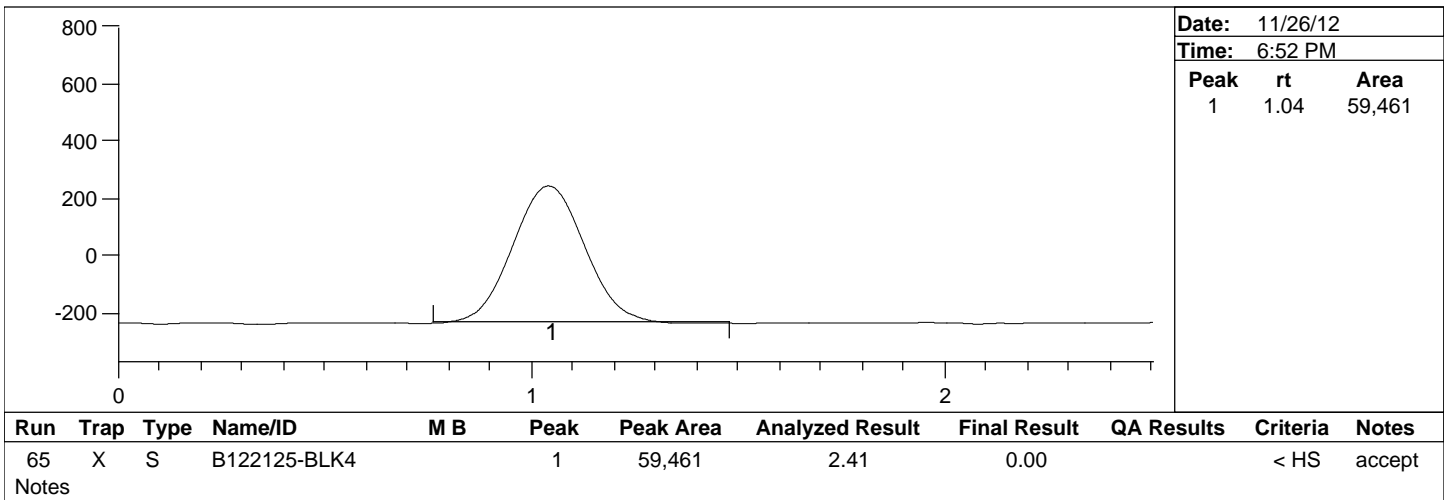
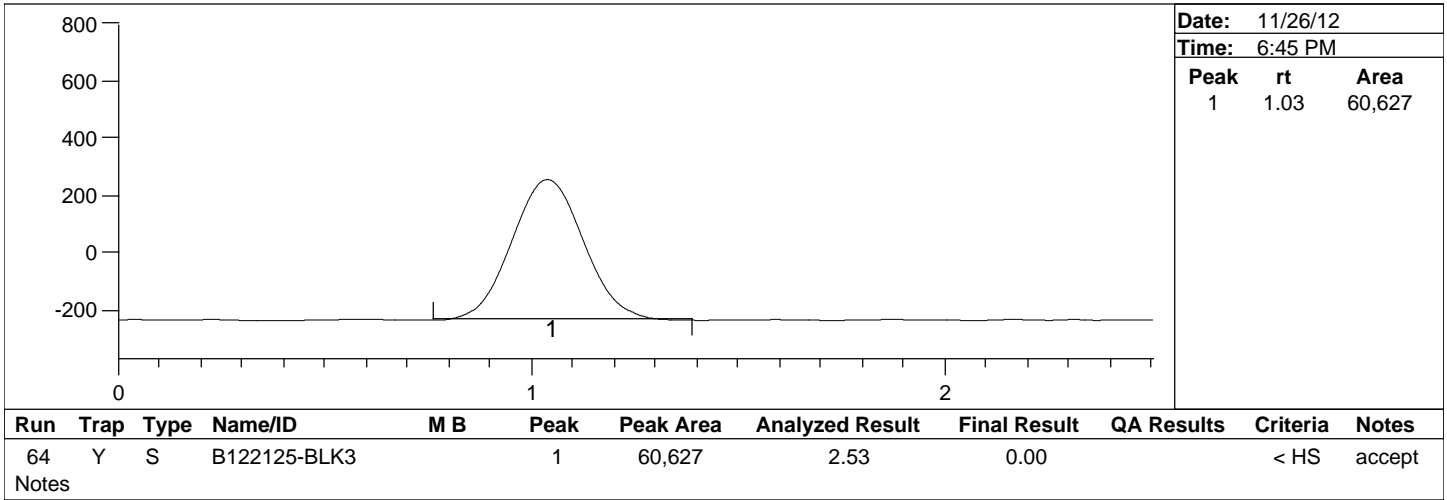
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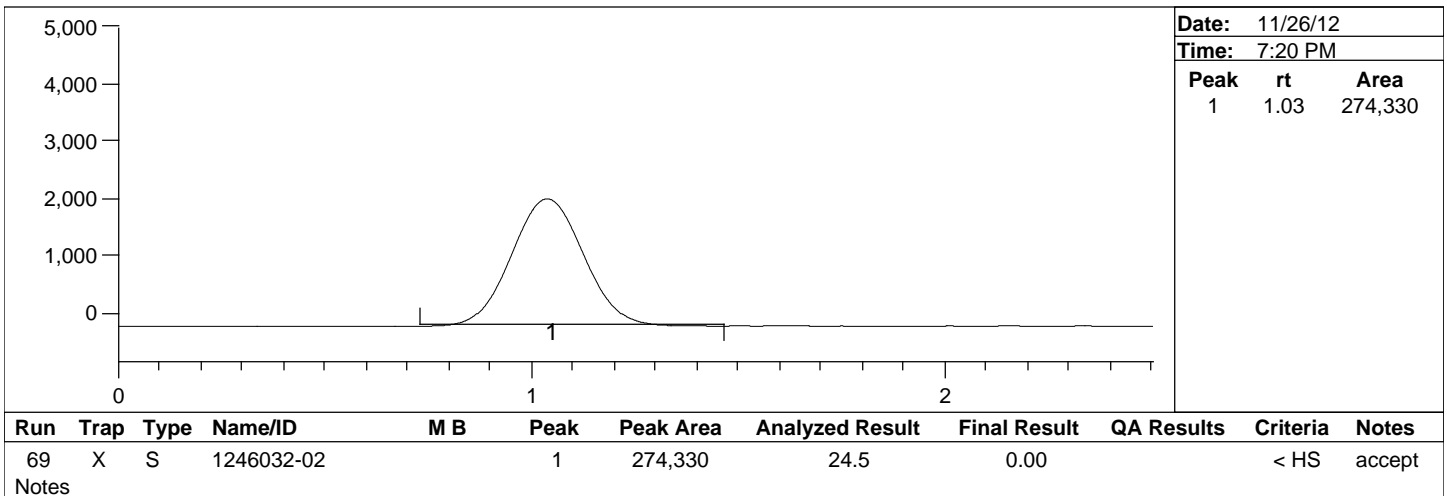
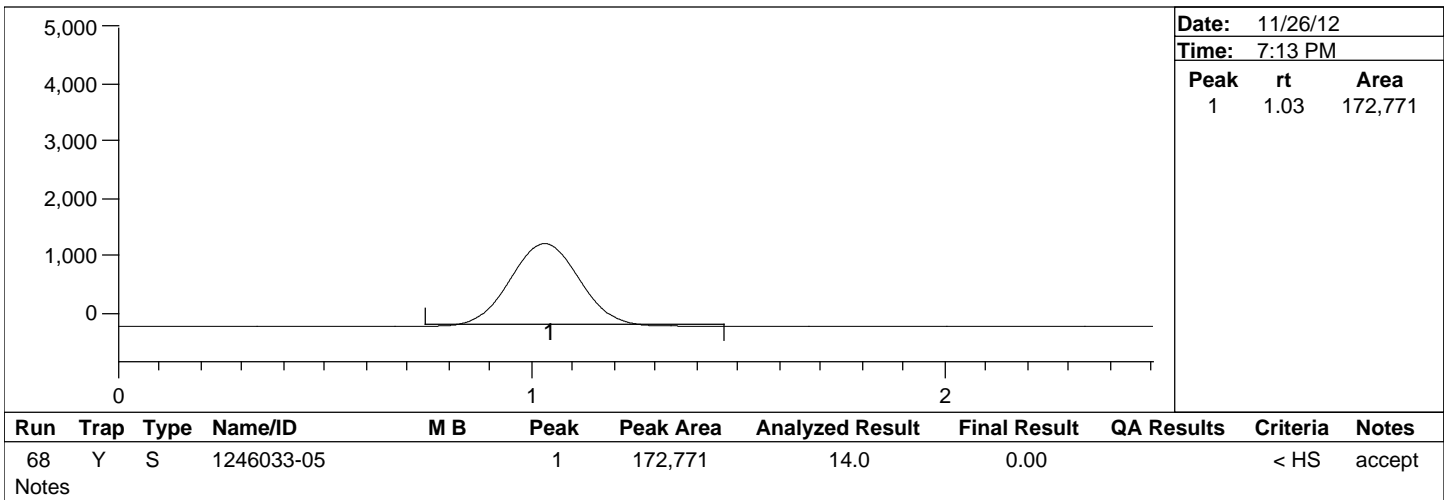
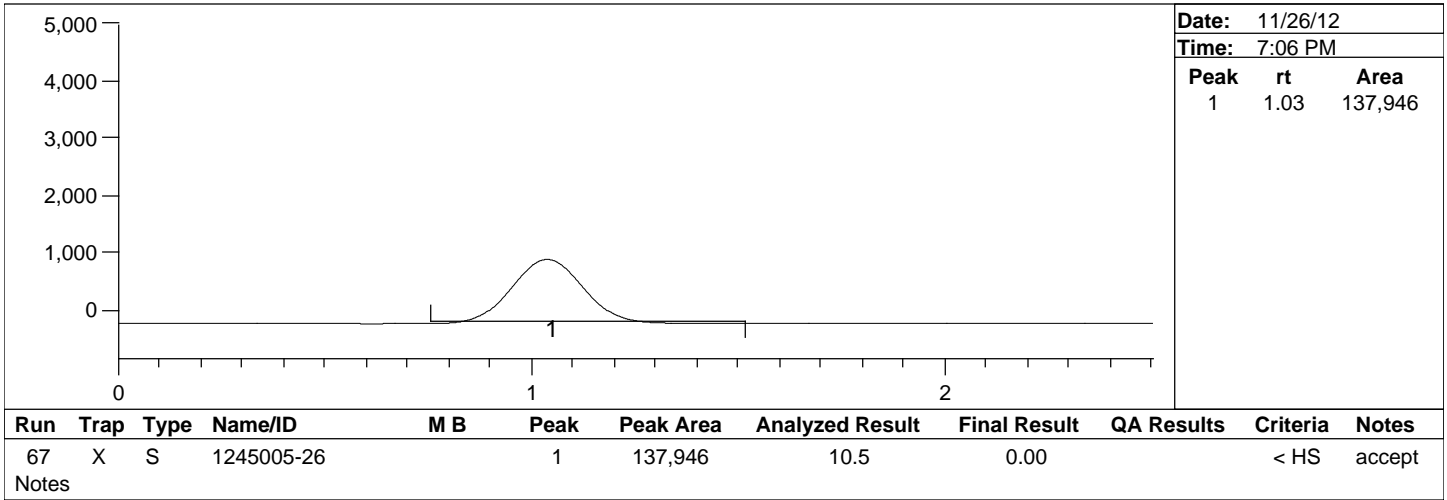
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Project Number(s): 1200884

Instrument ID: THG-05

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Analyst Name: MLH



Peak Report

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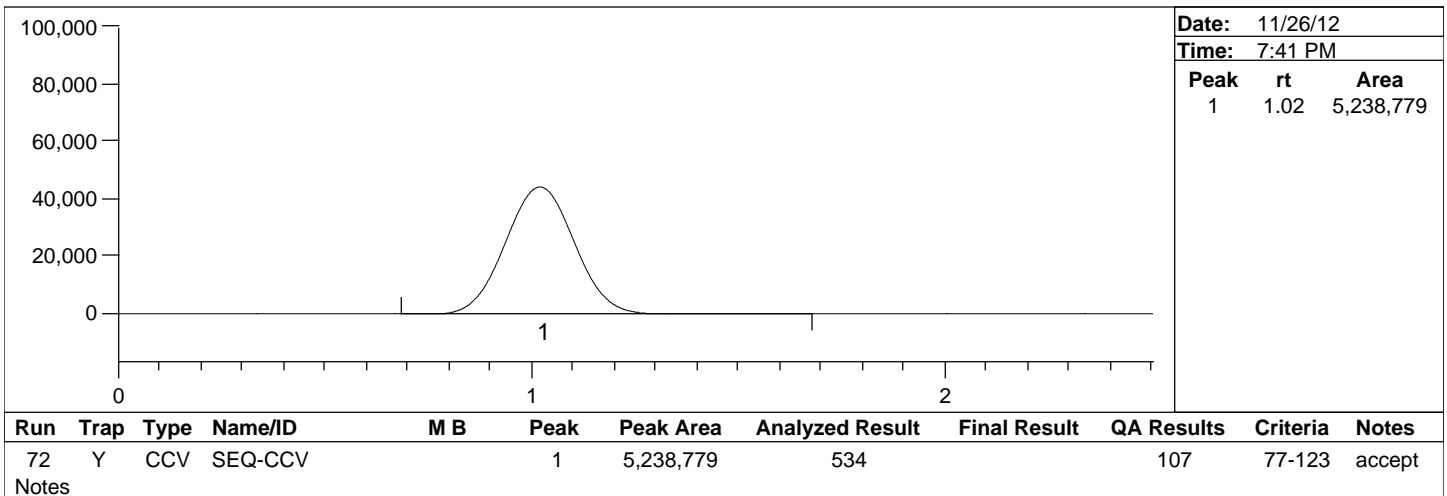
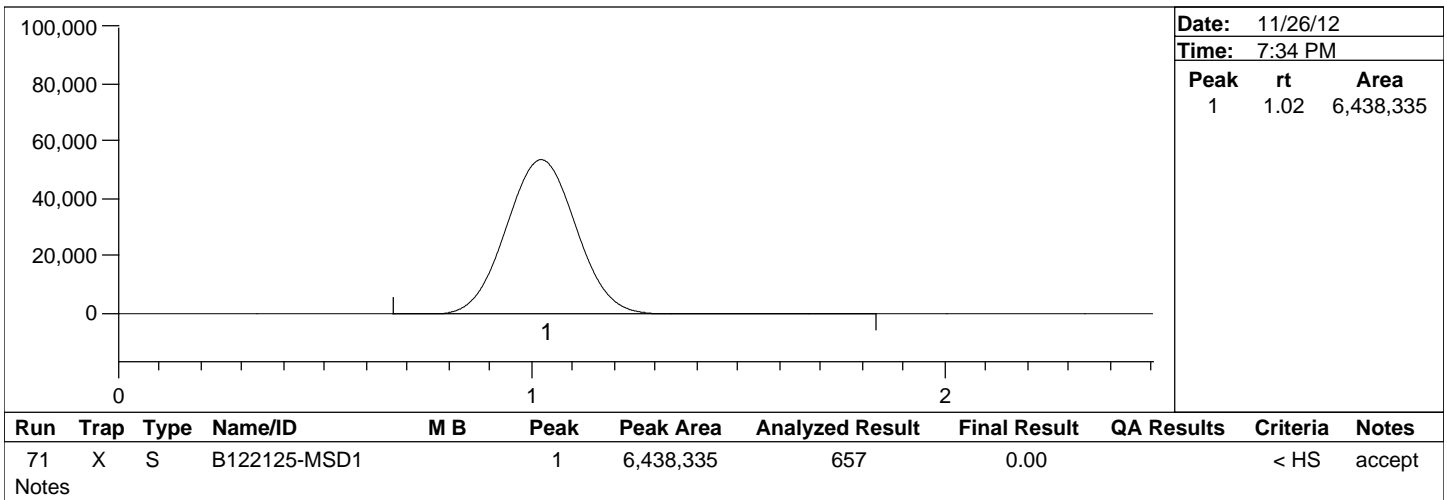
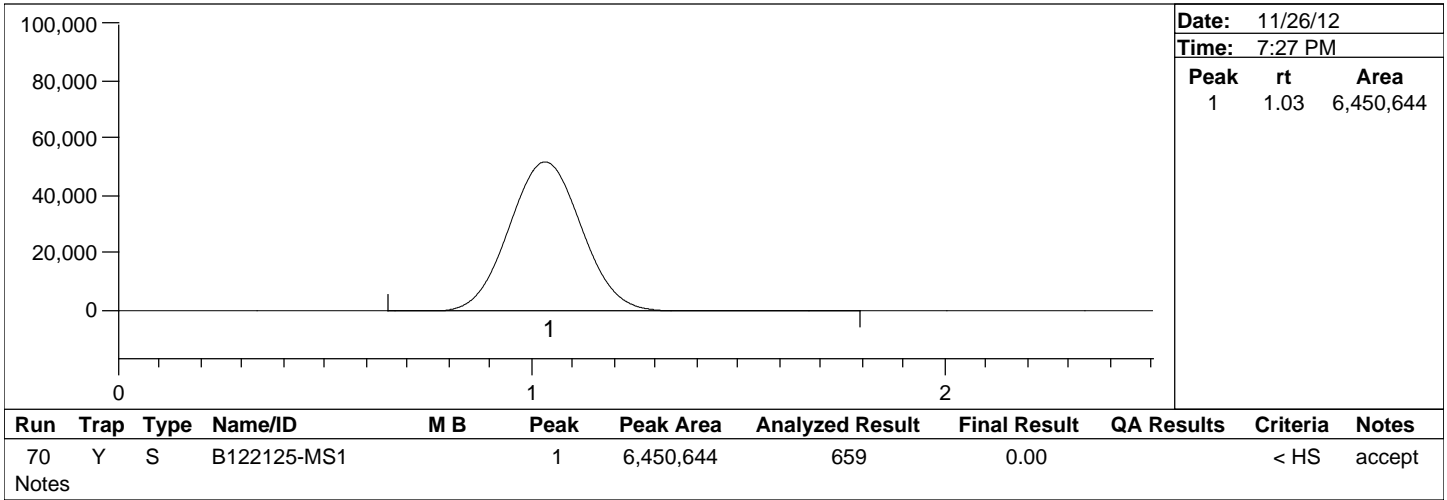
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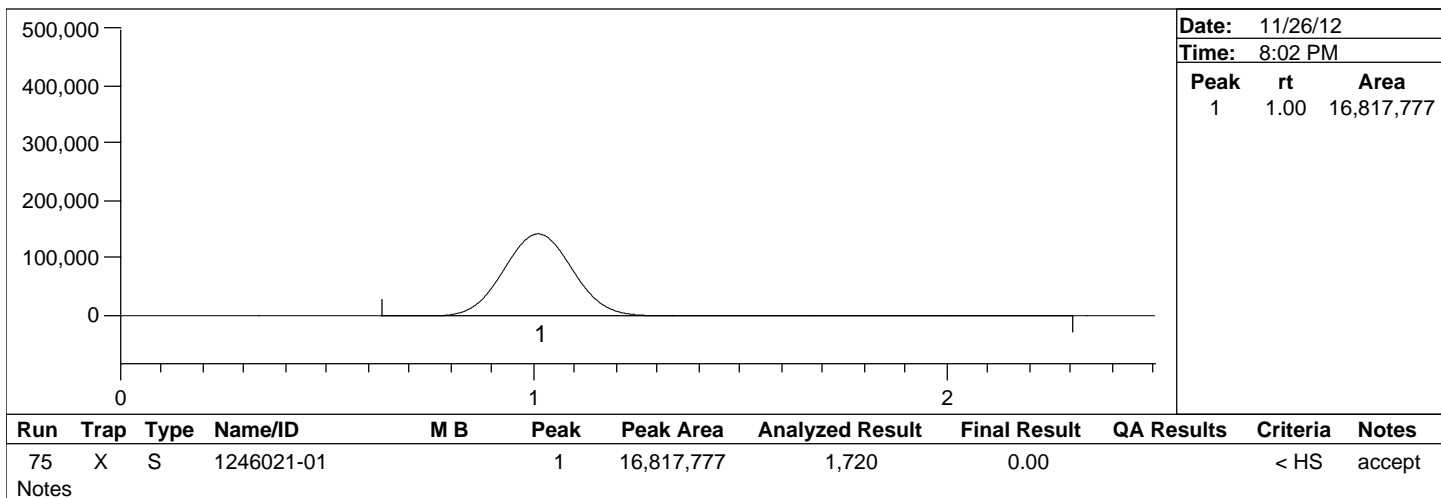
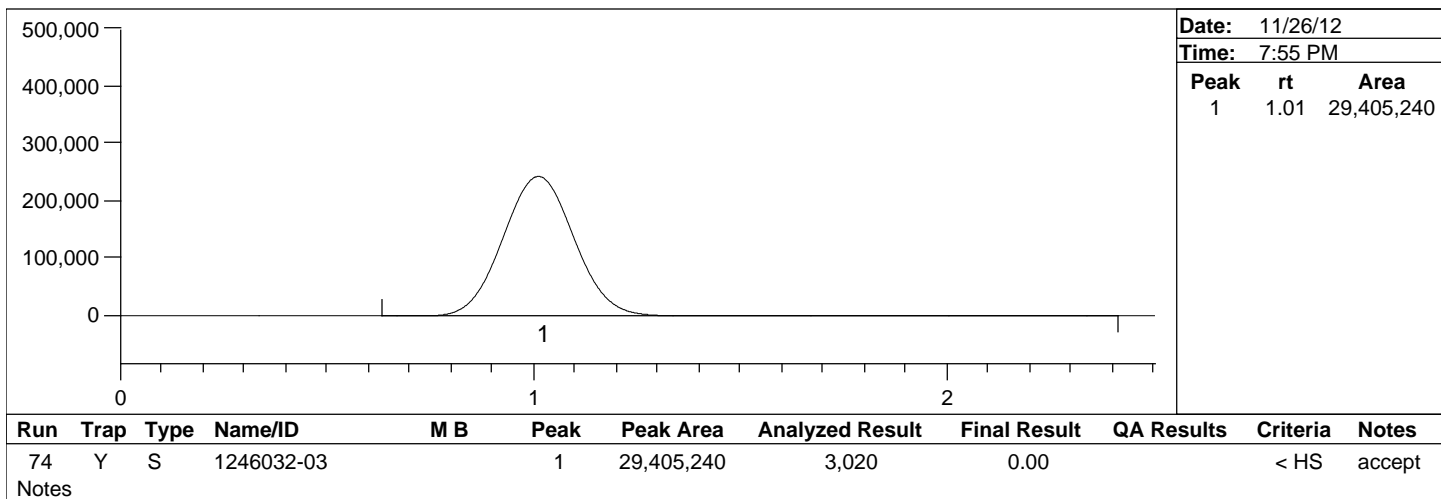
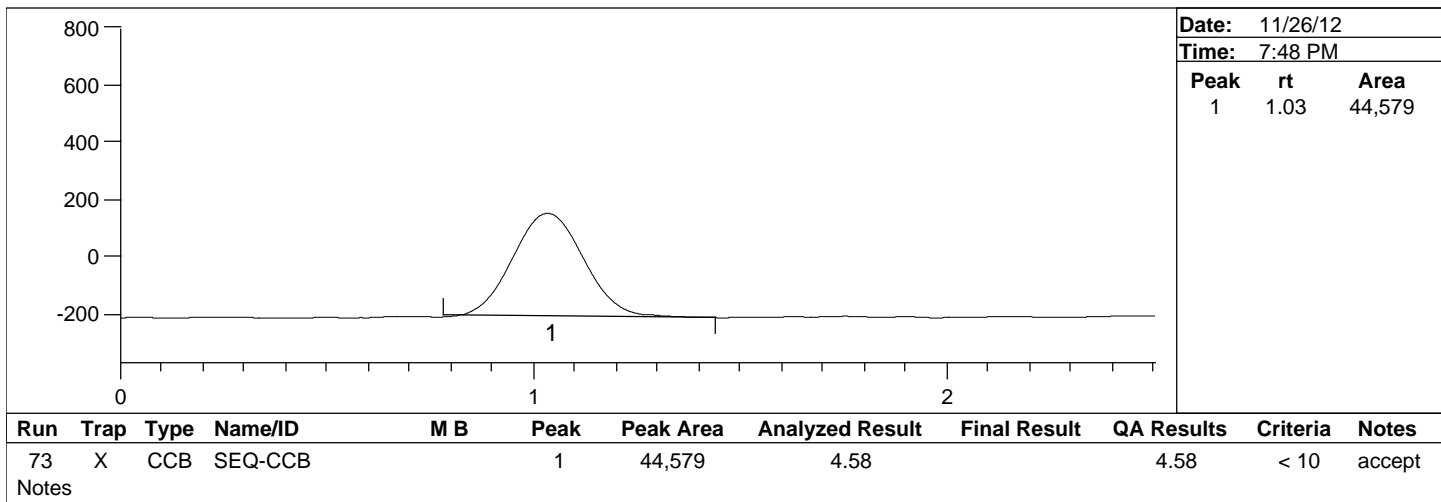
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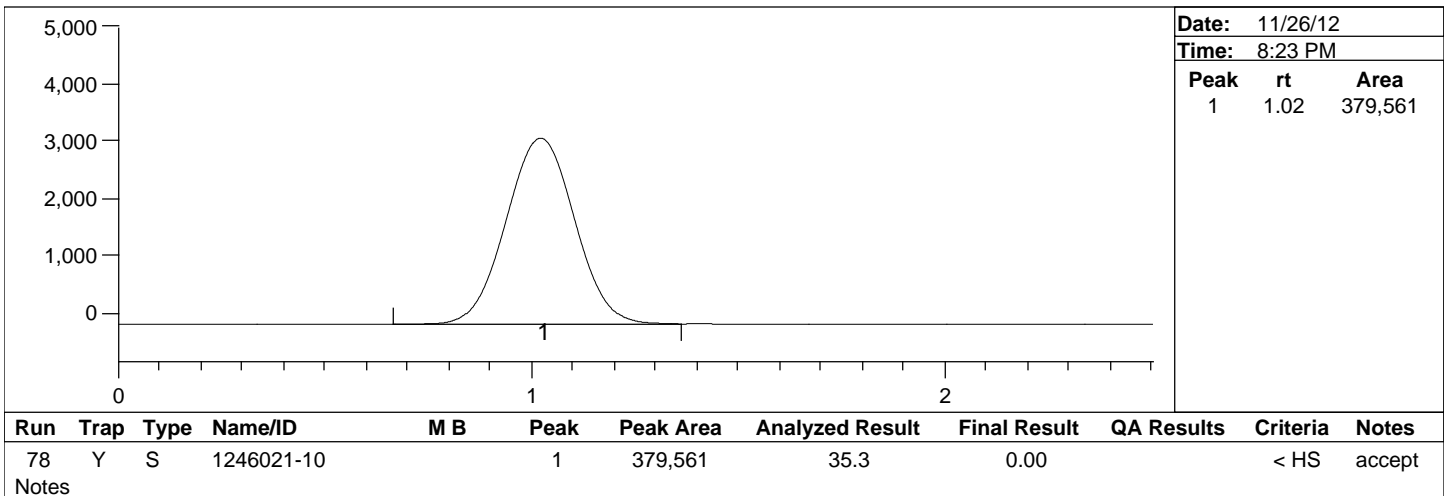
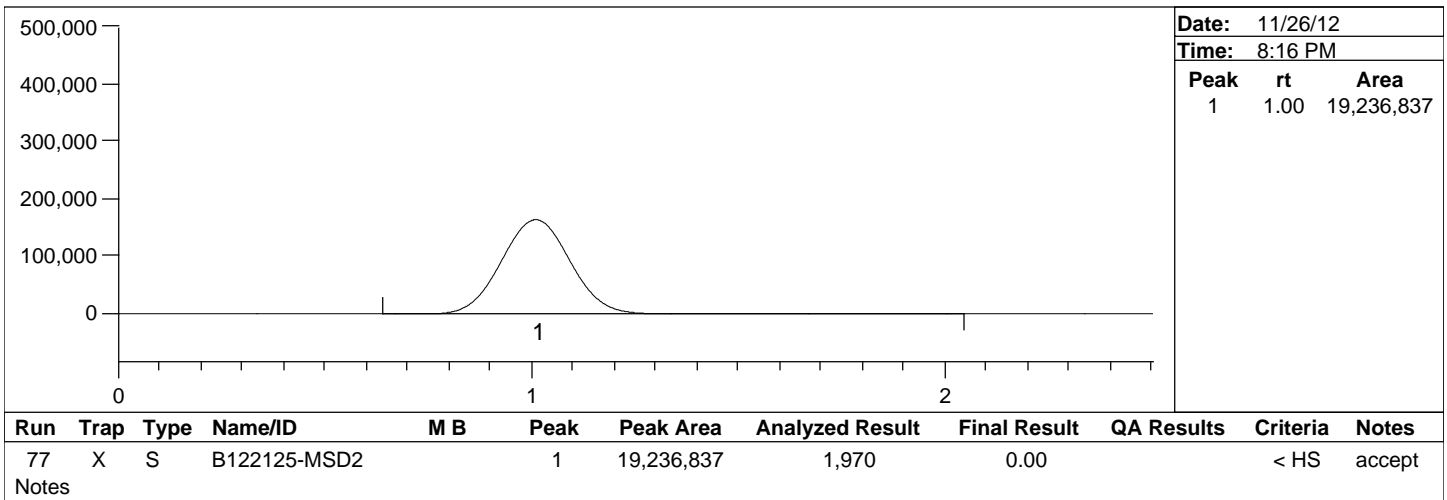
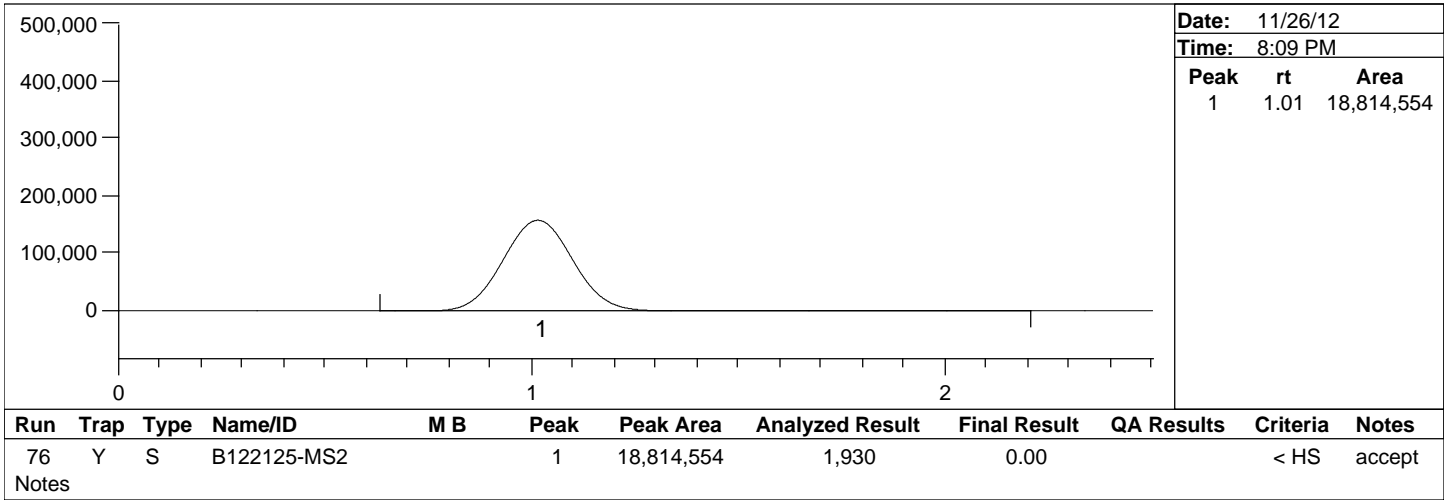
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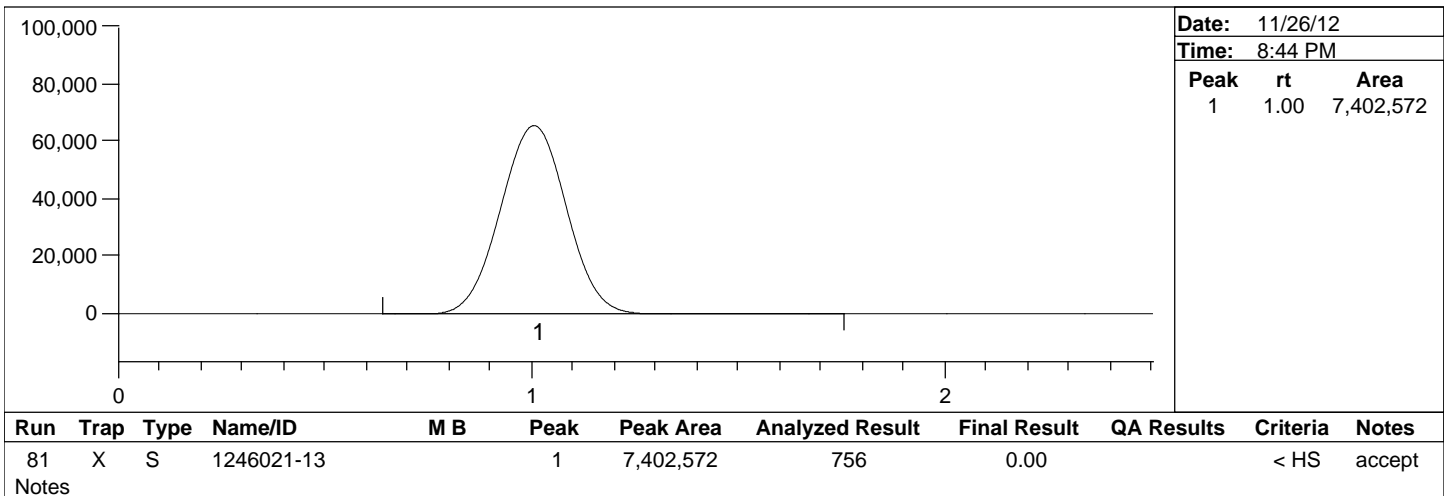
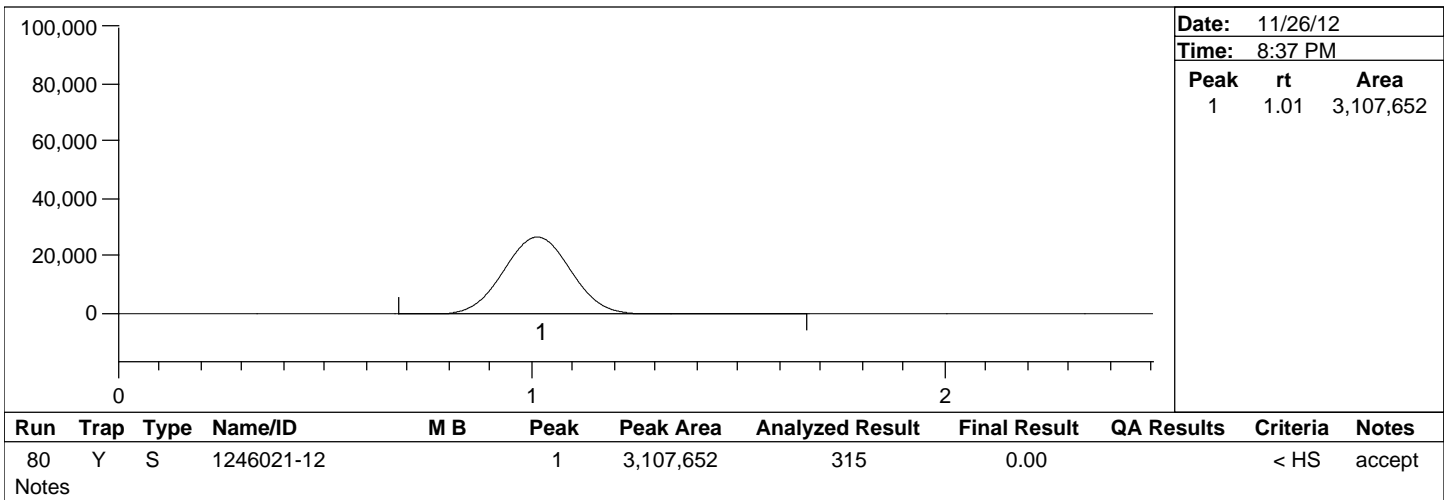
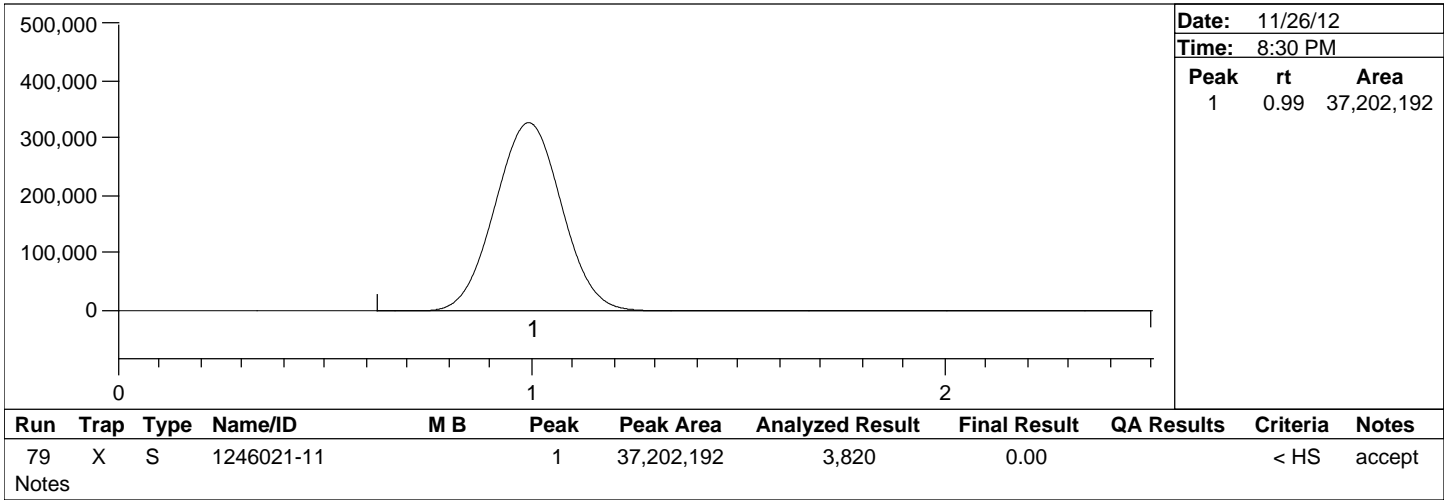
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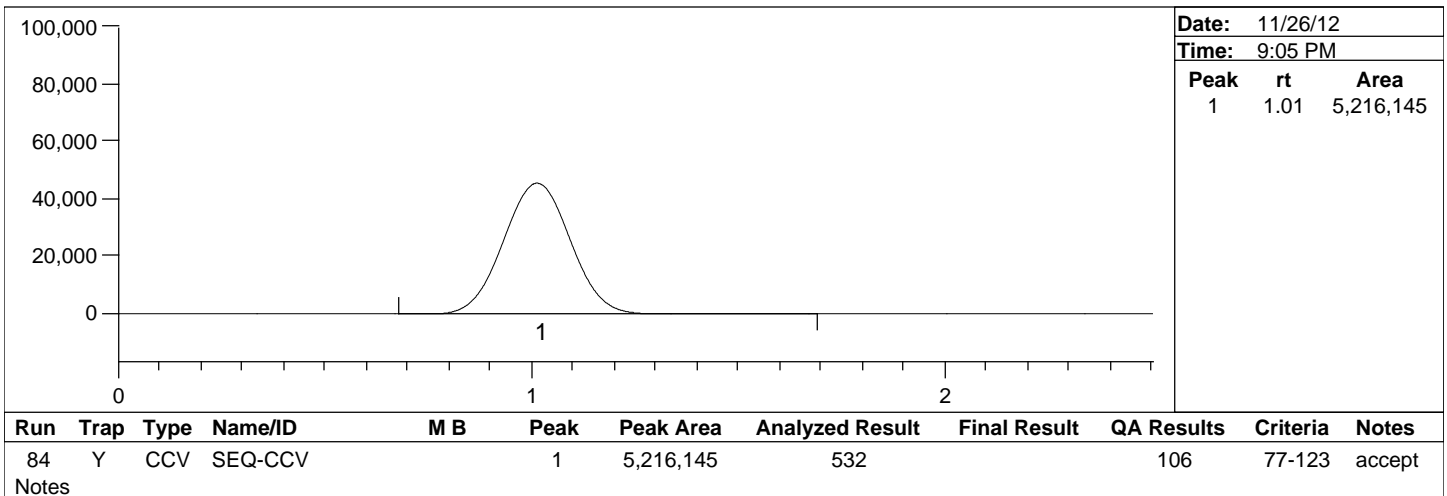
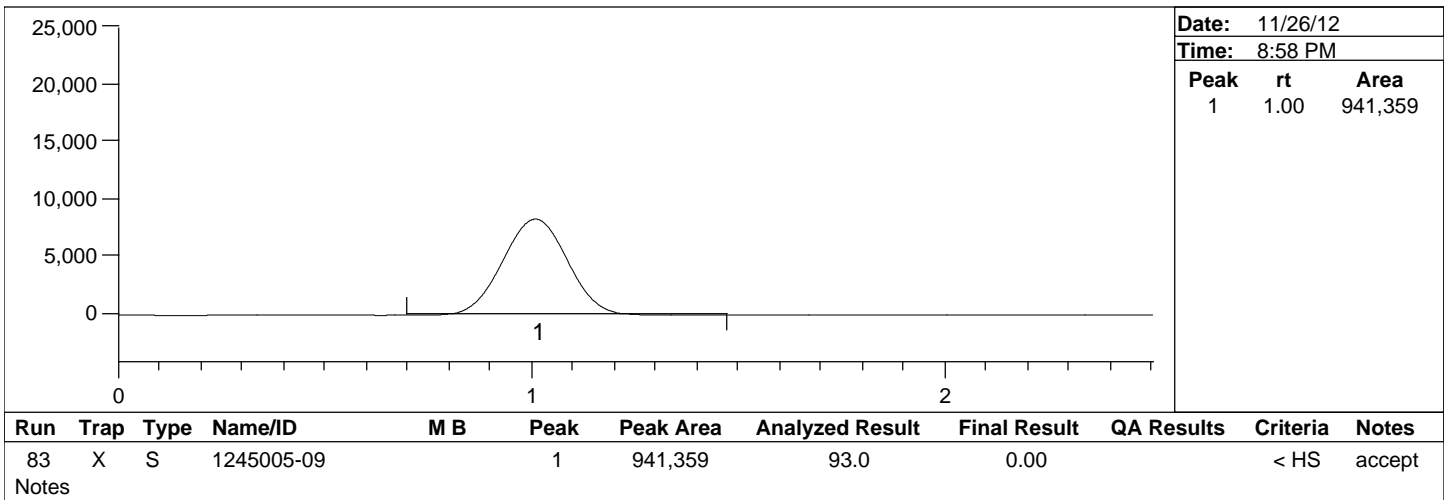
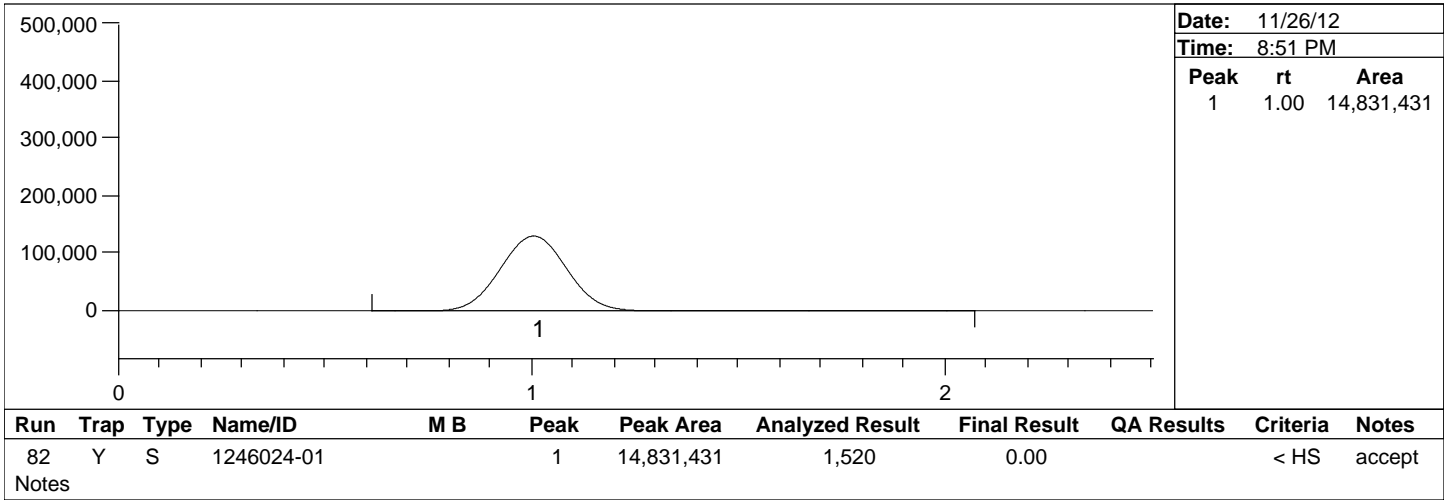


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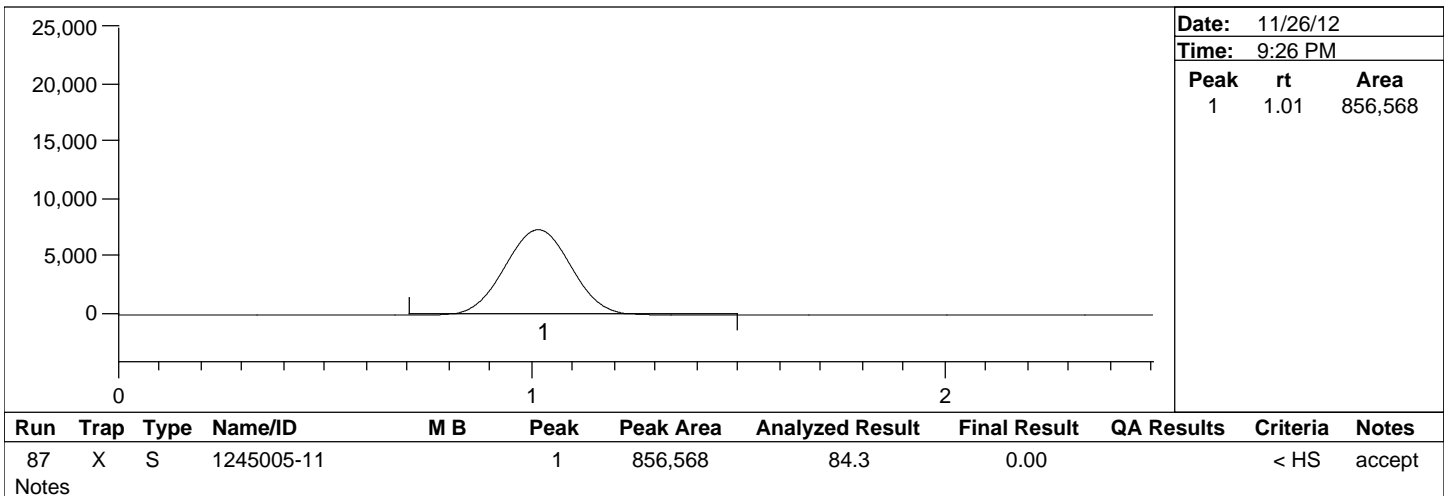
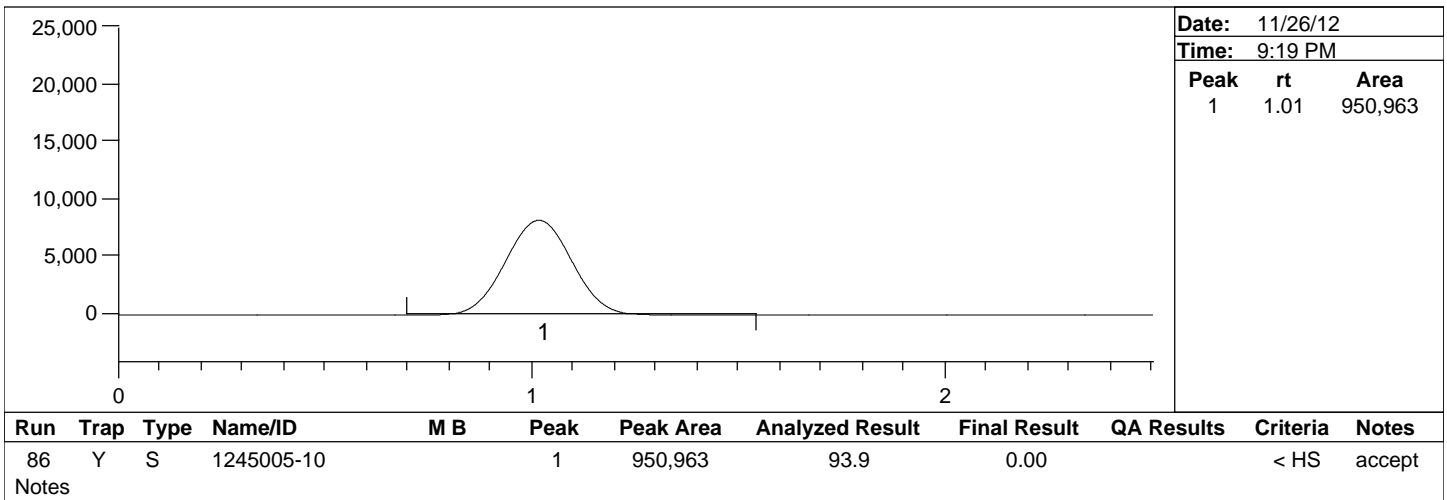
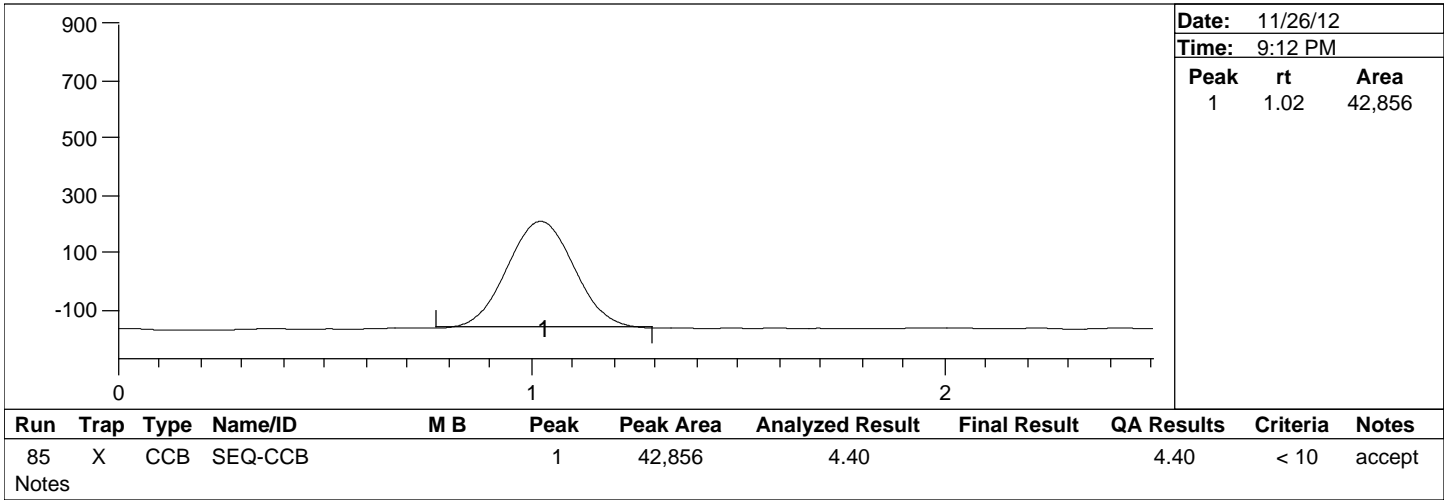
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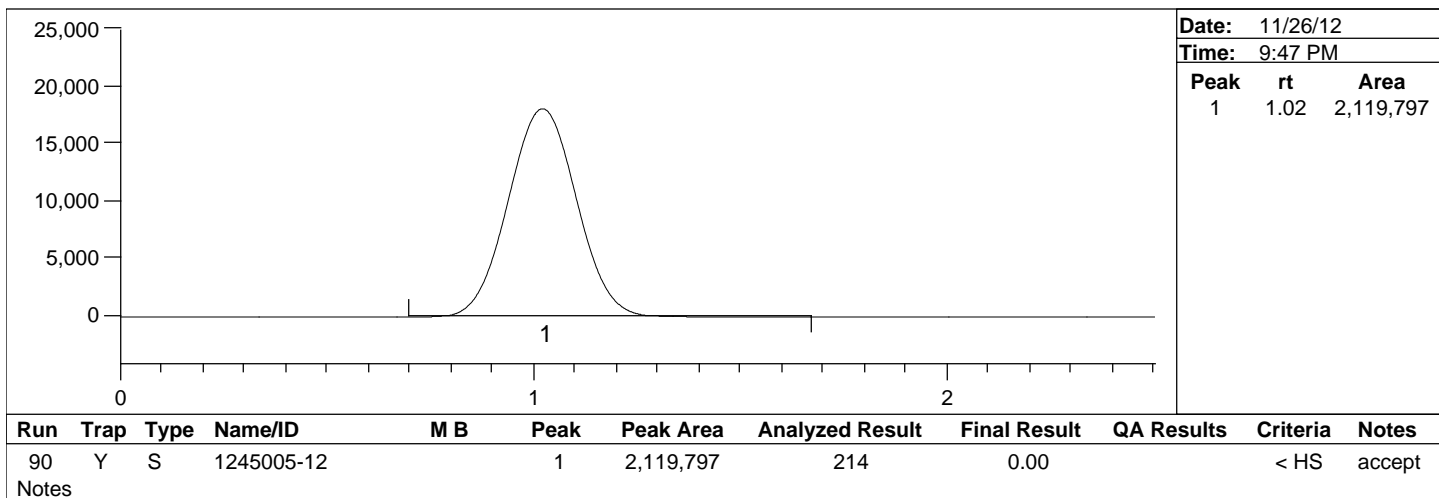
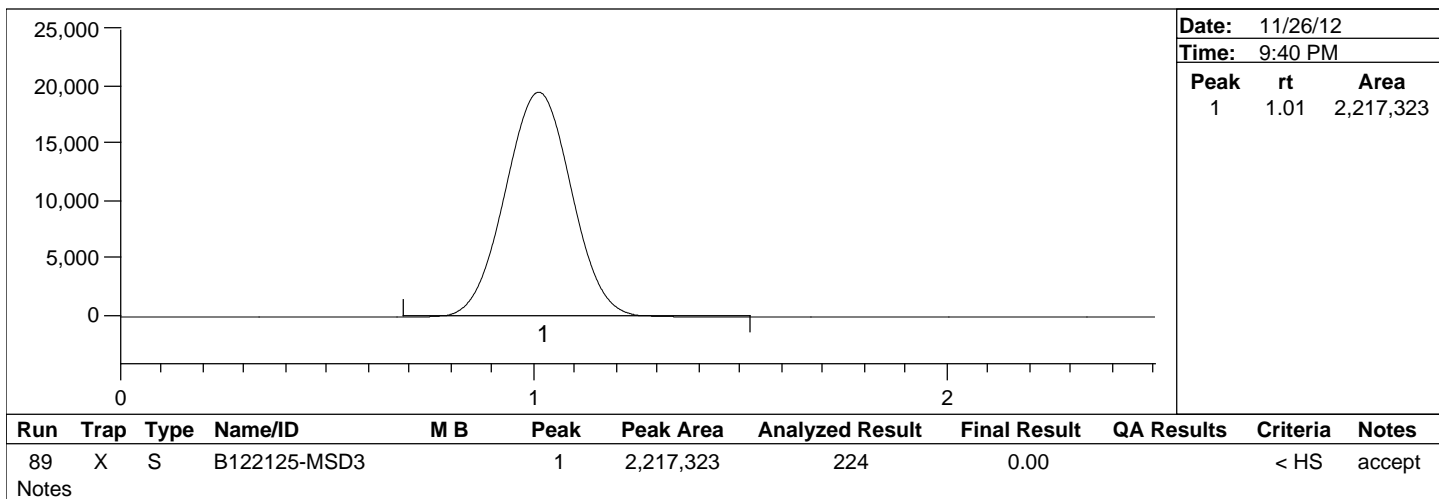
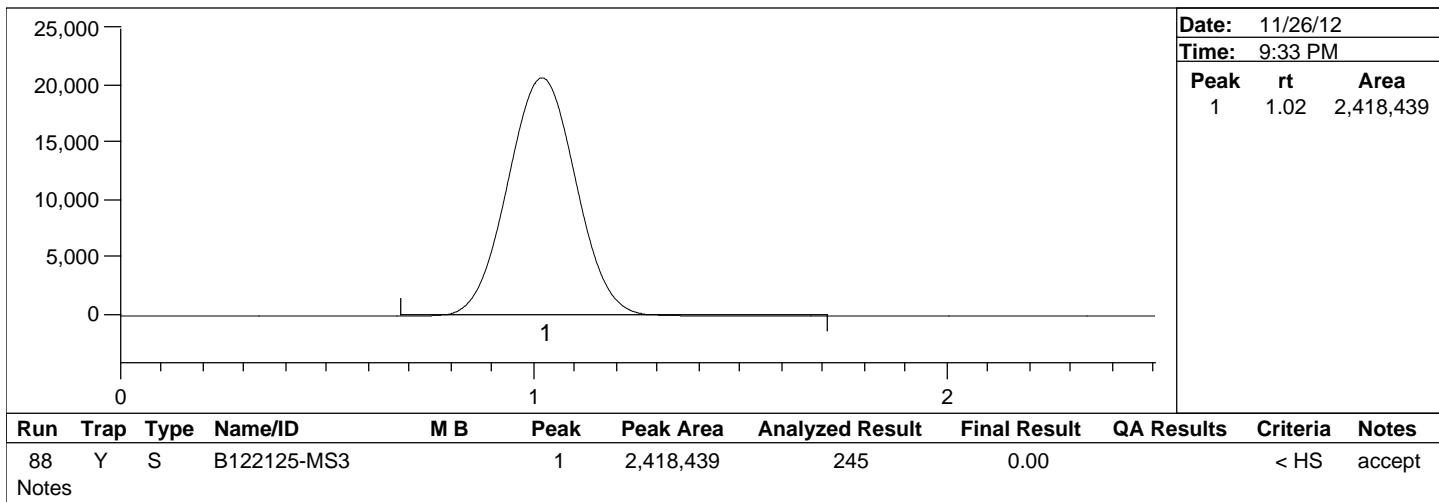
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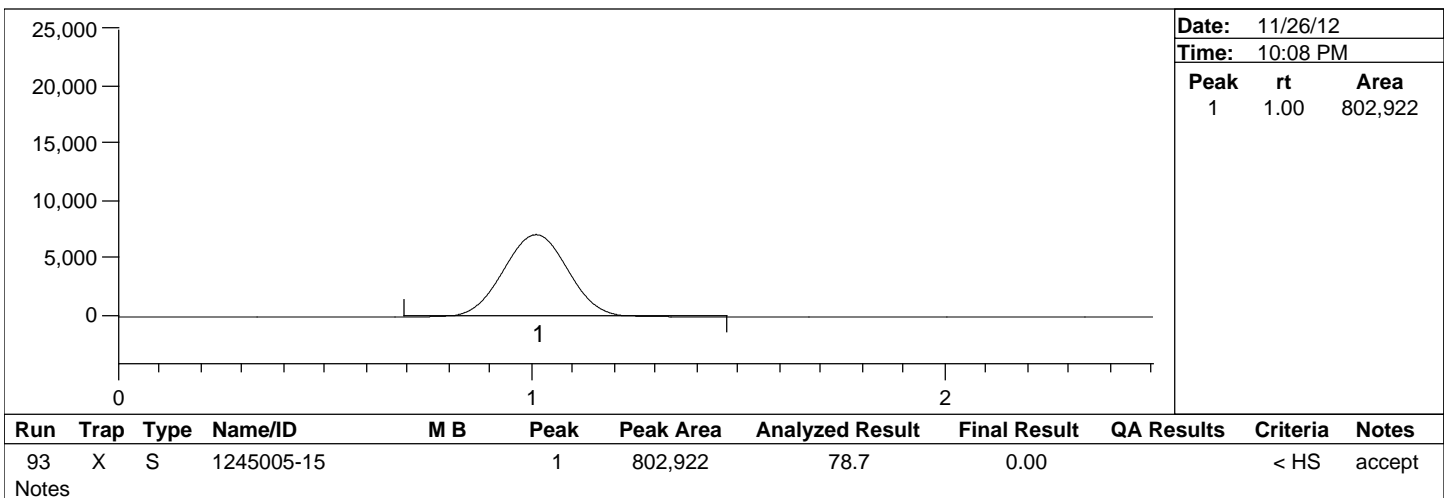
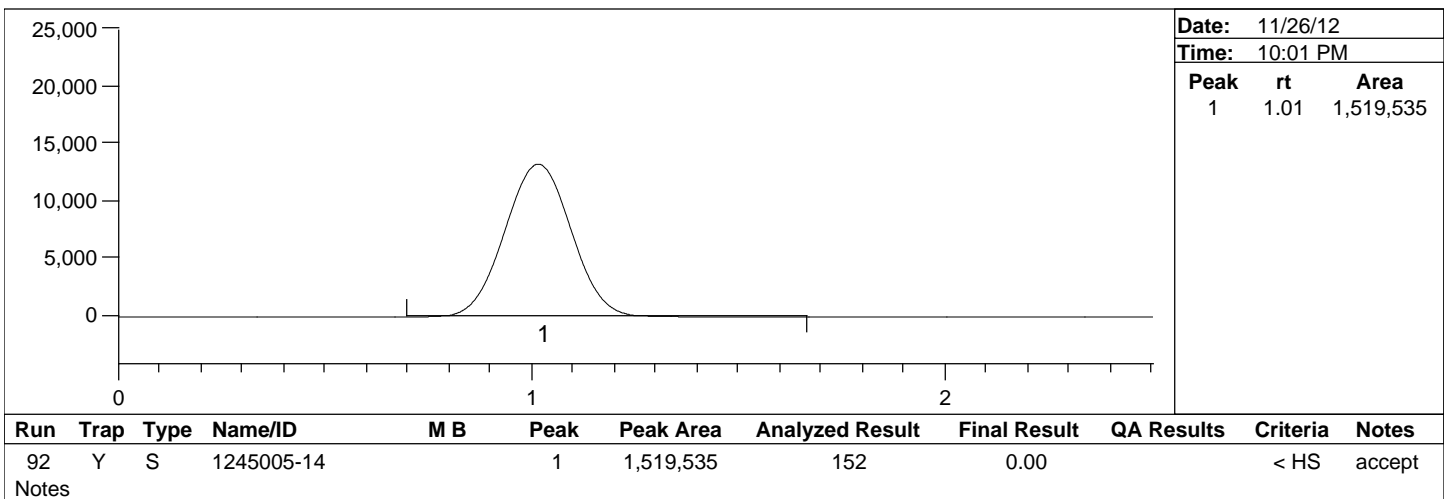
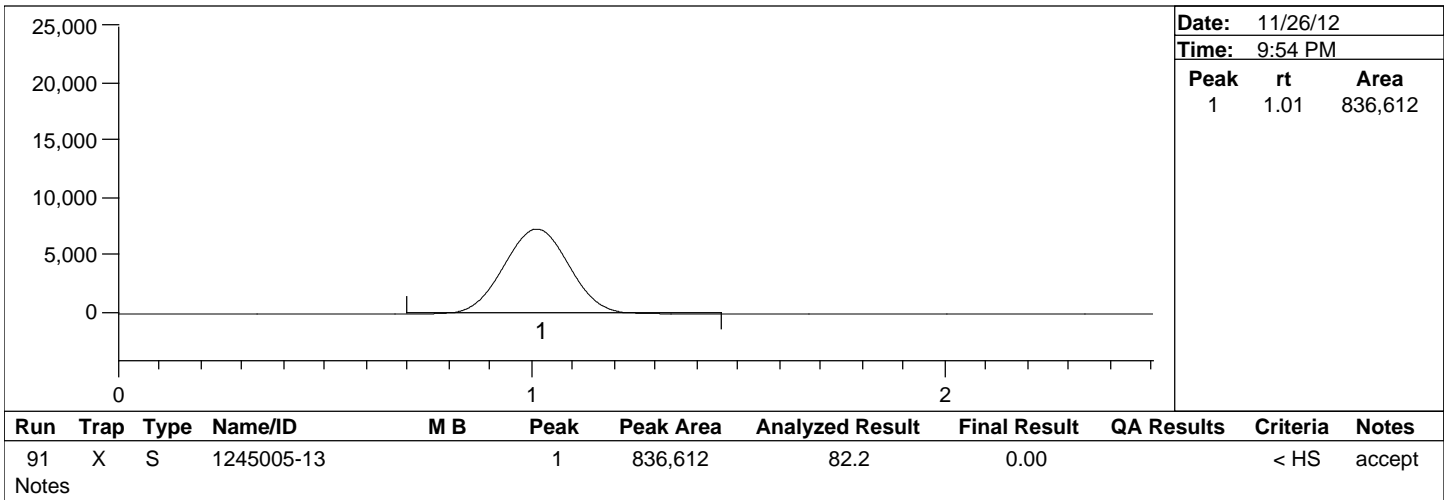
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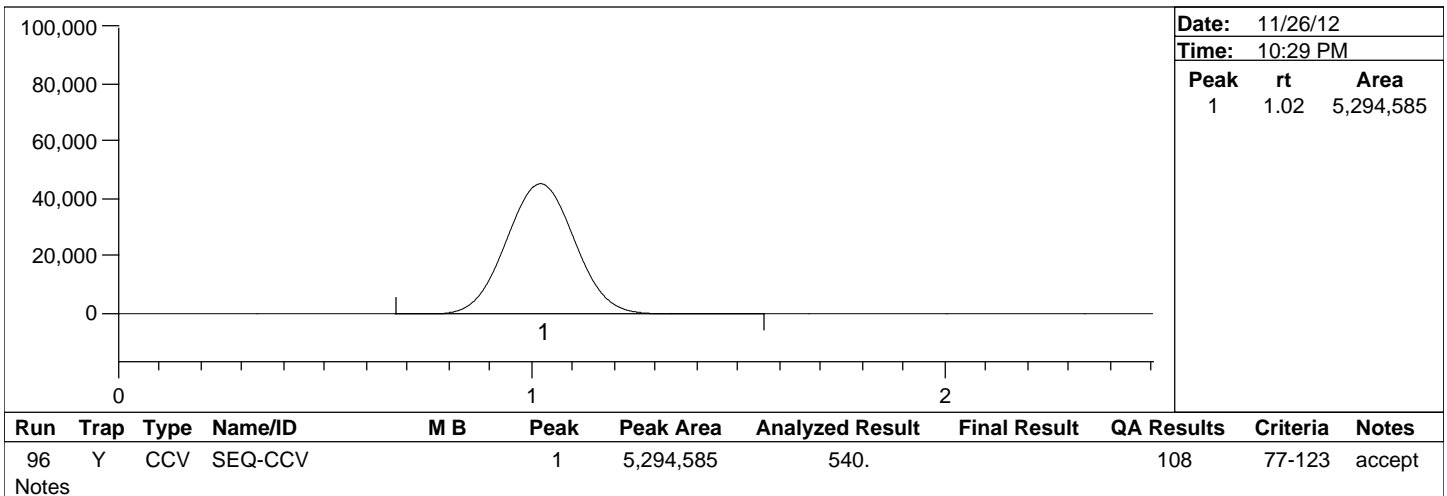
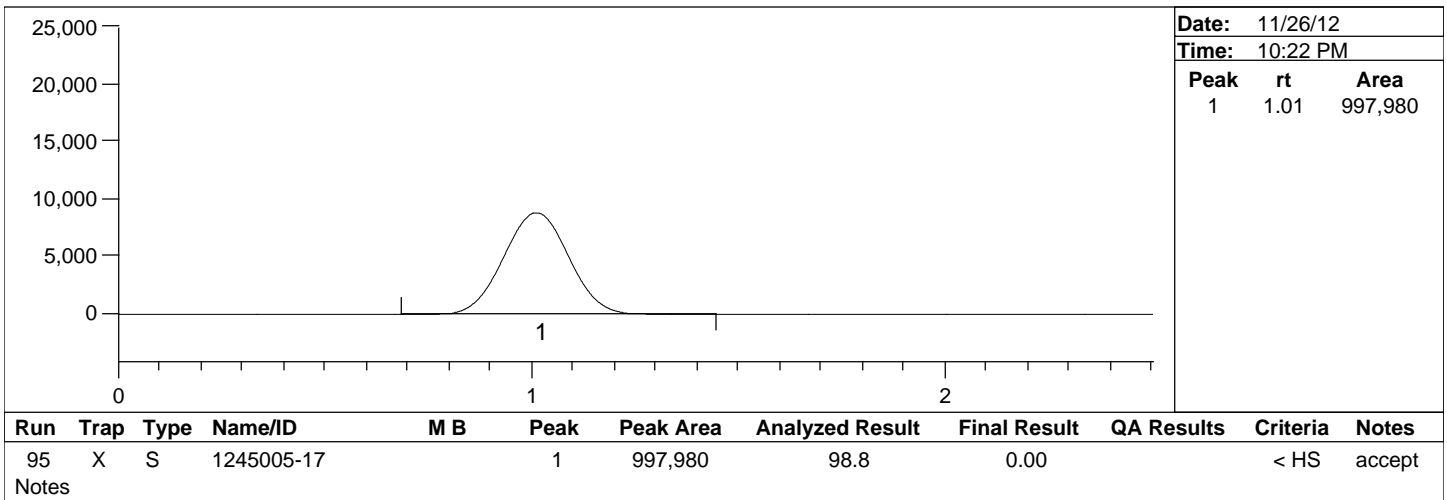
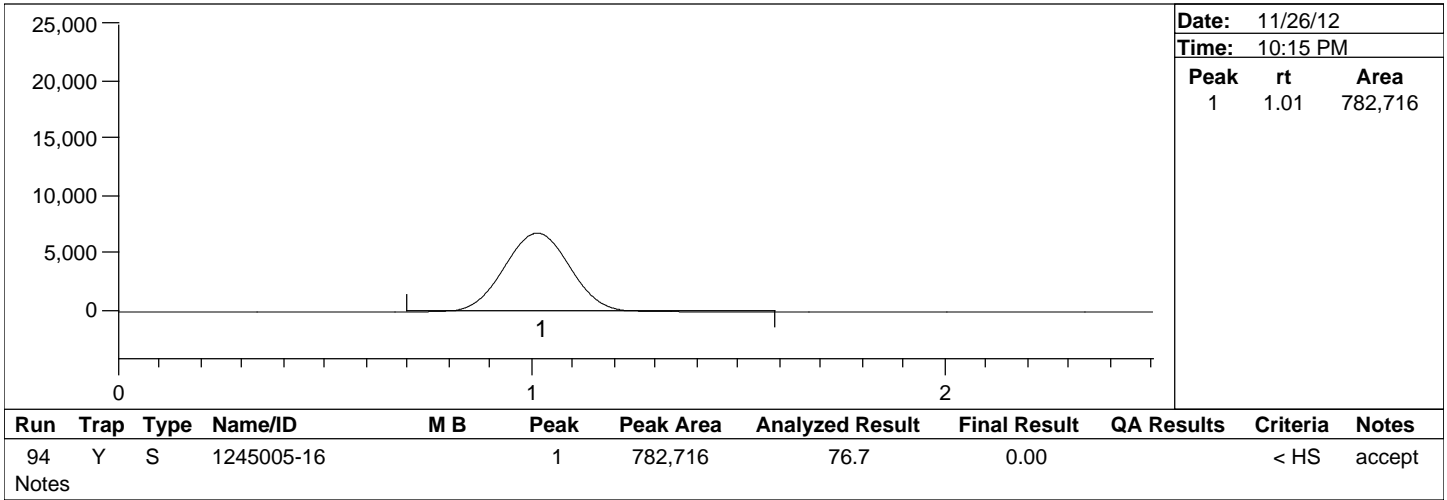
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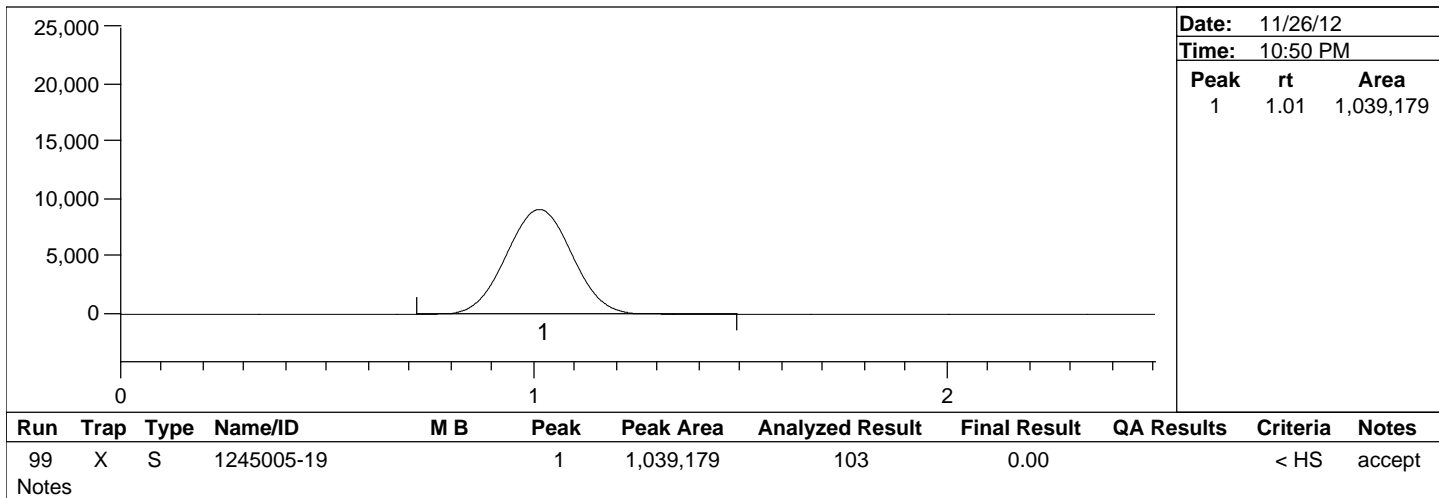
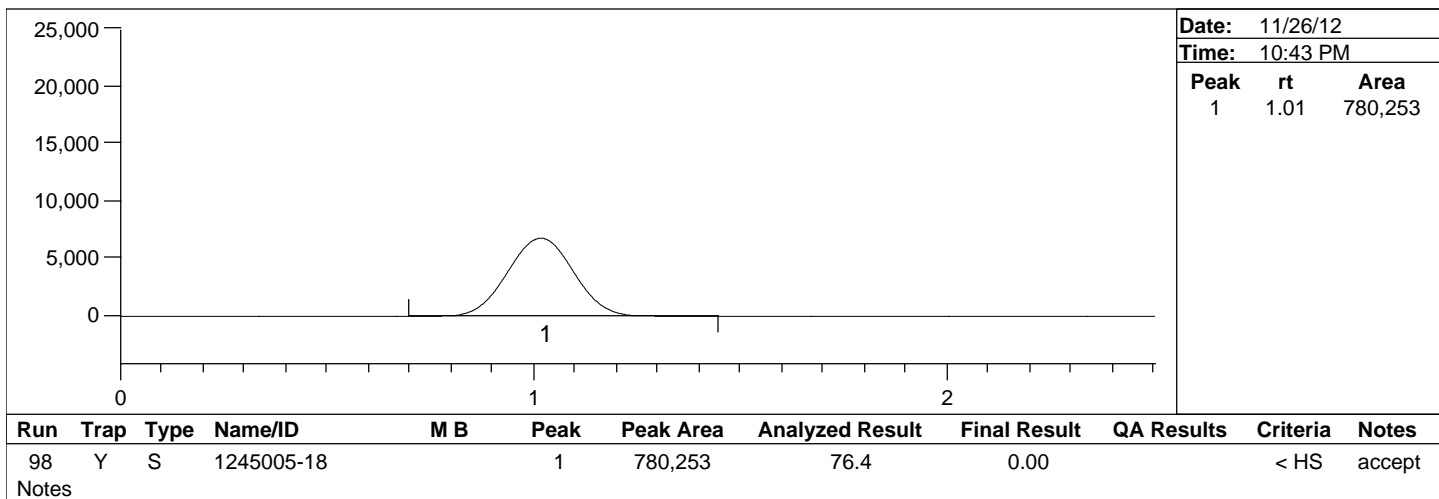
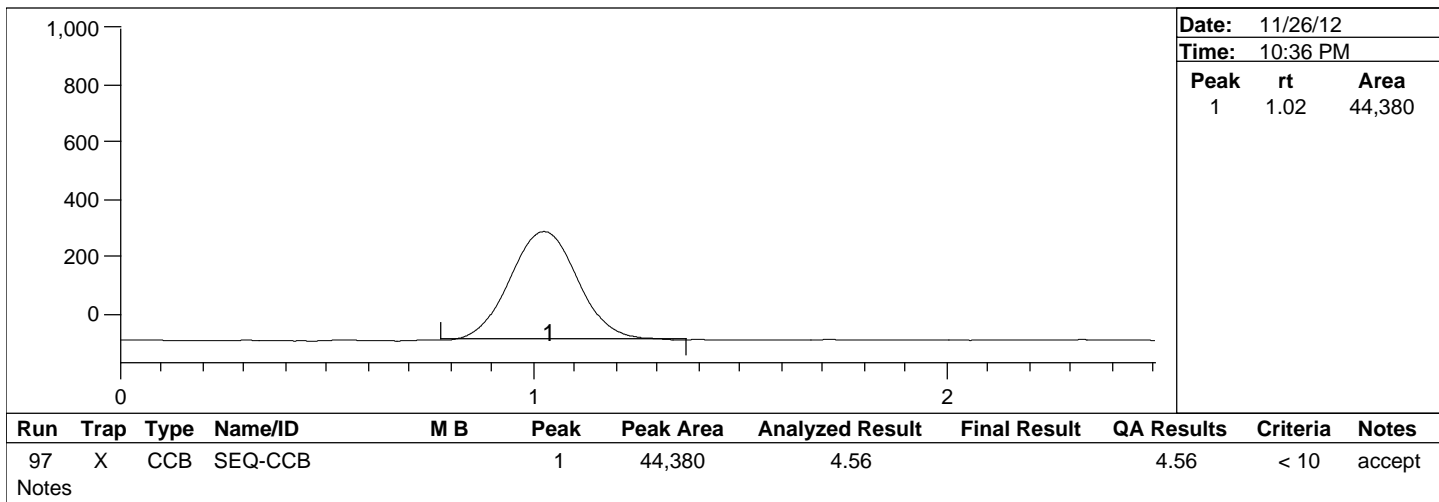
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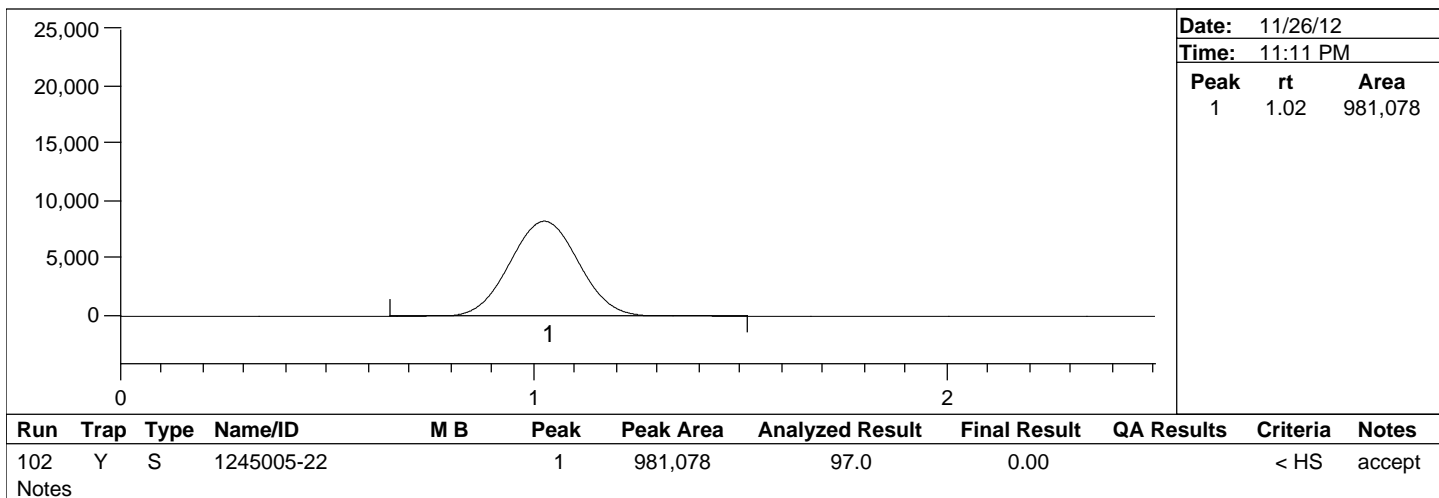
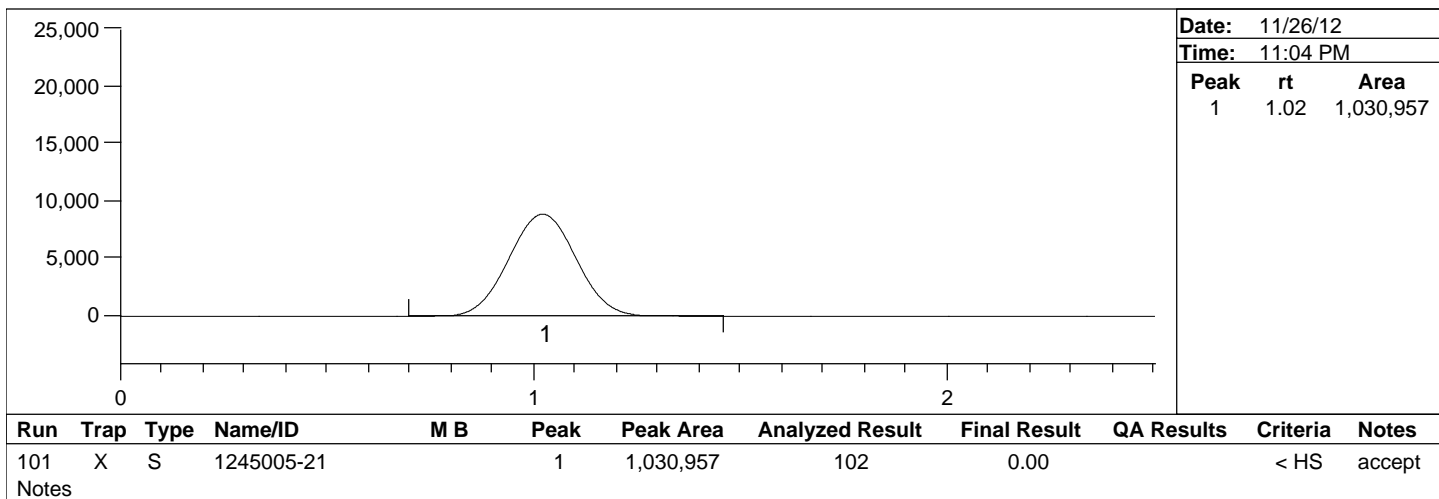
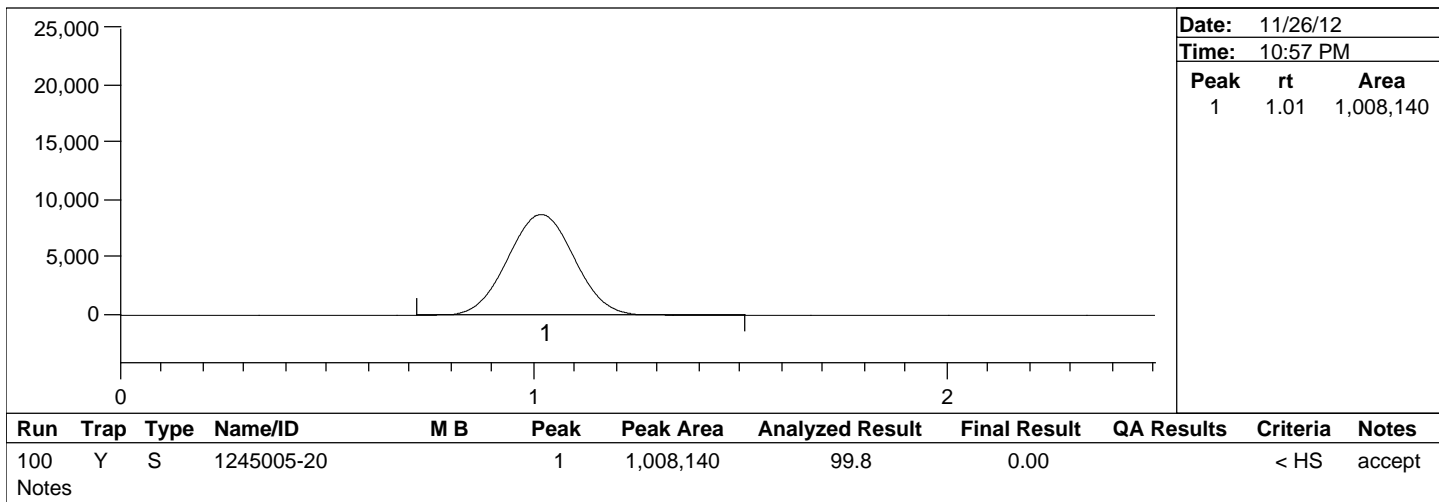
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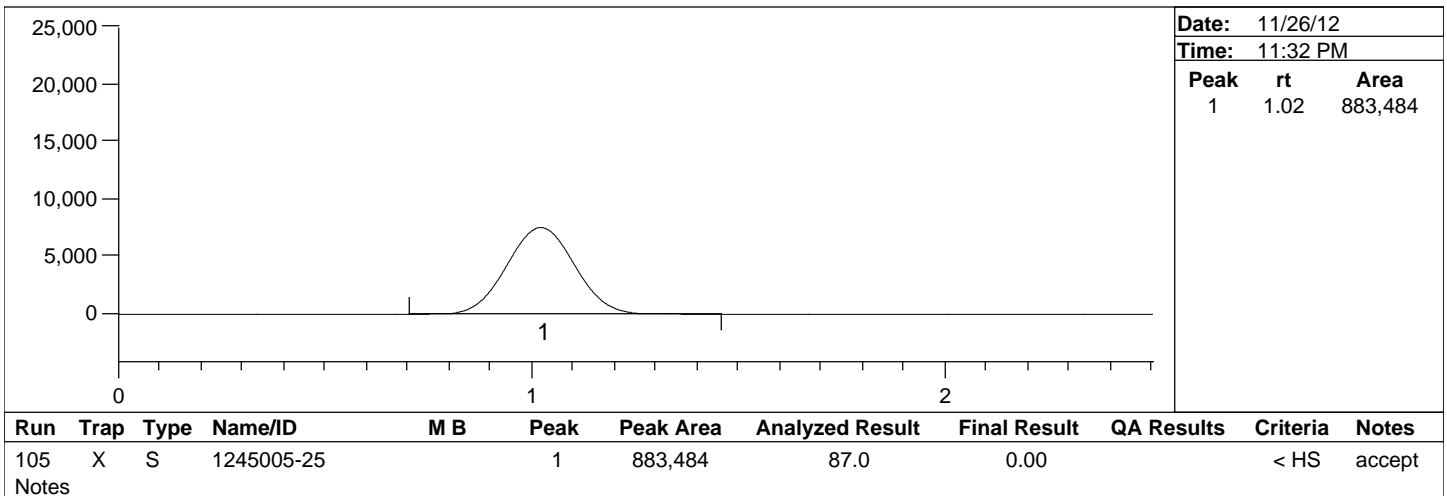
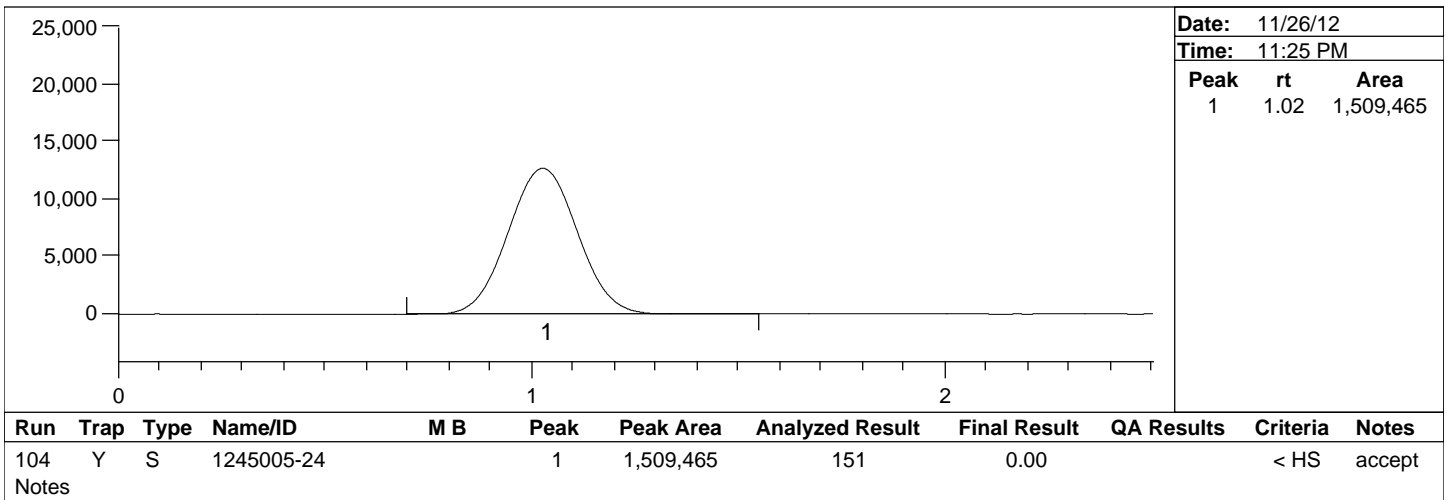
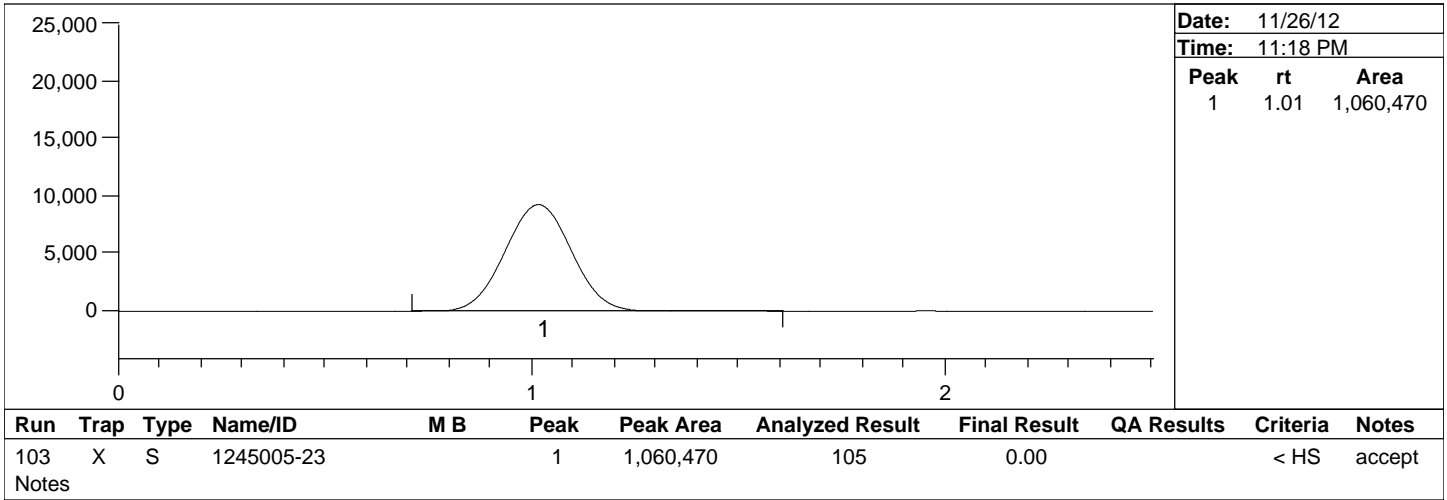
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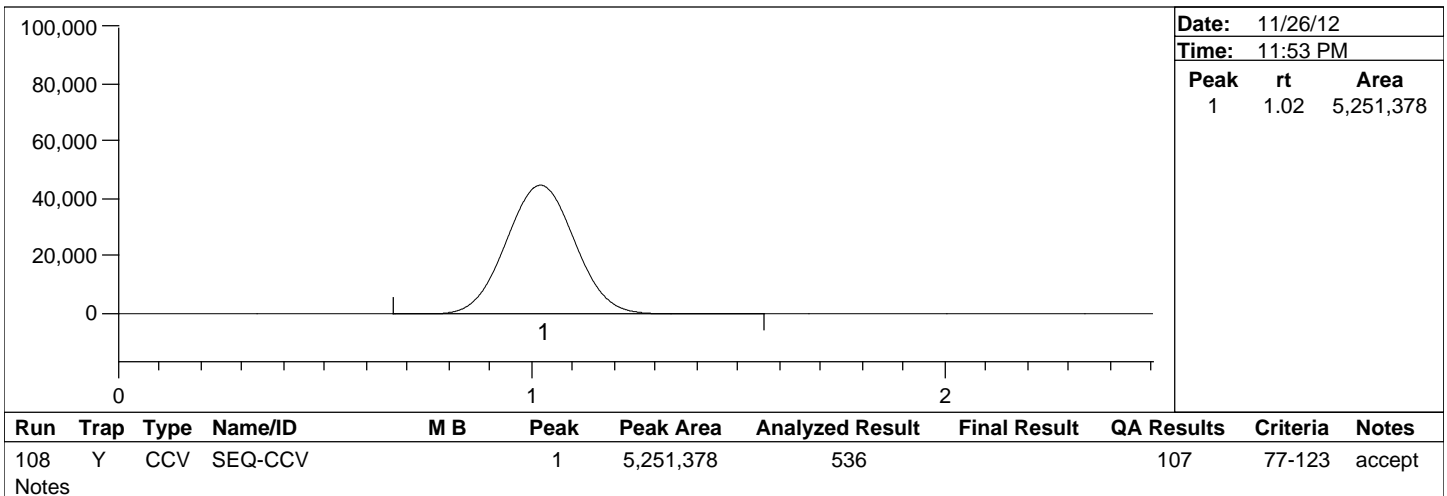
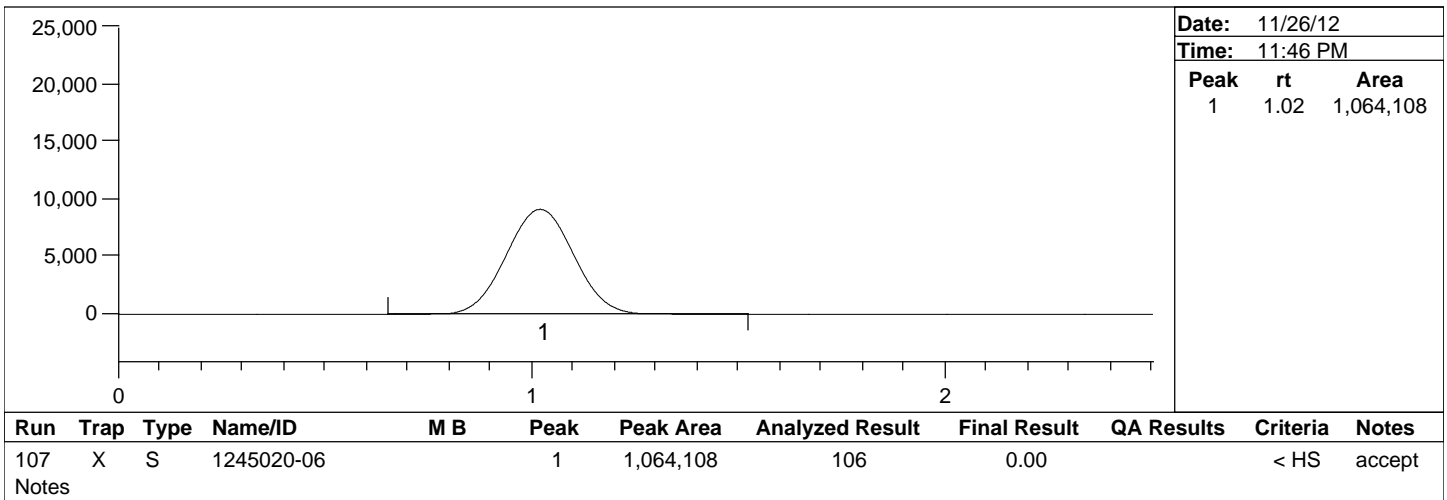
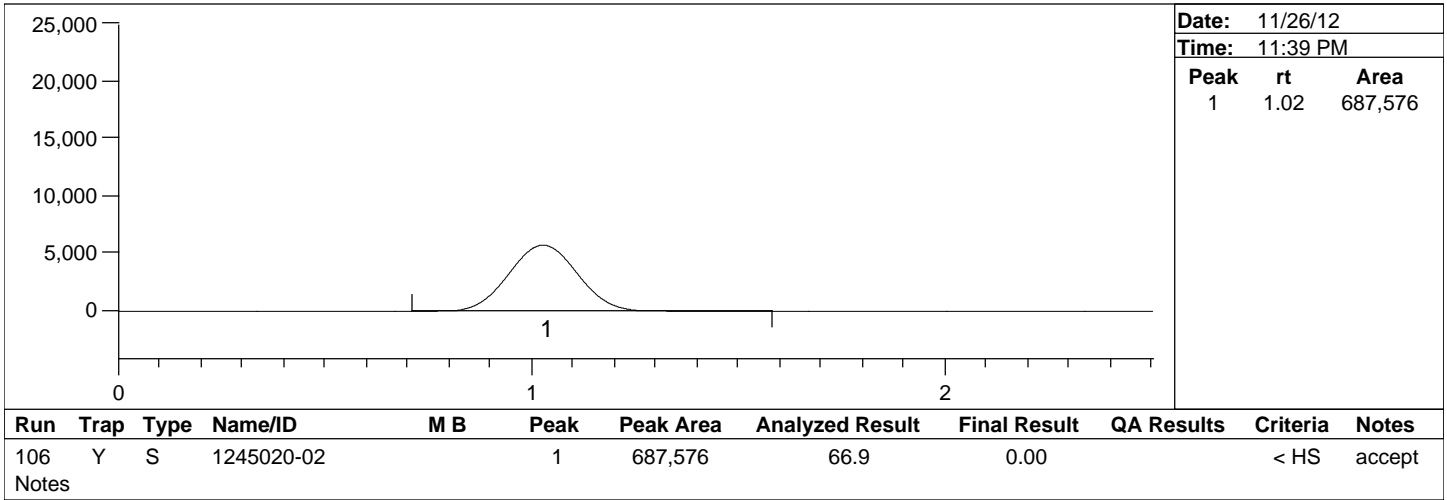
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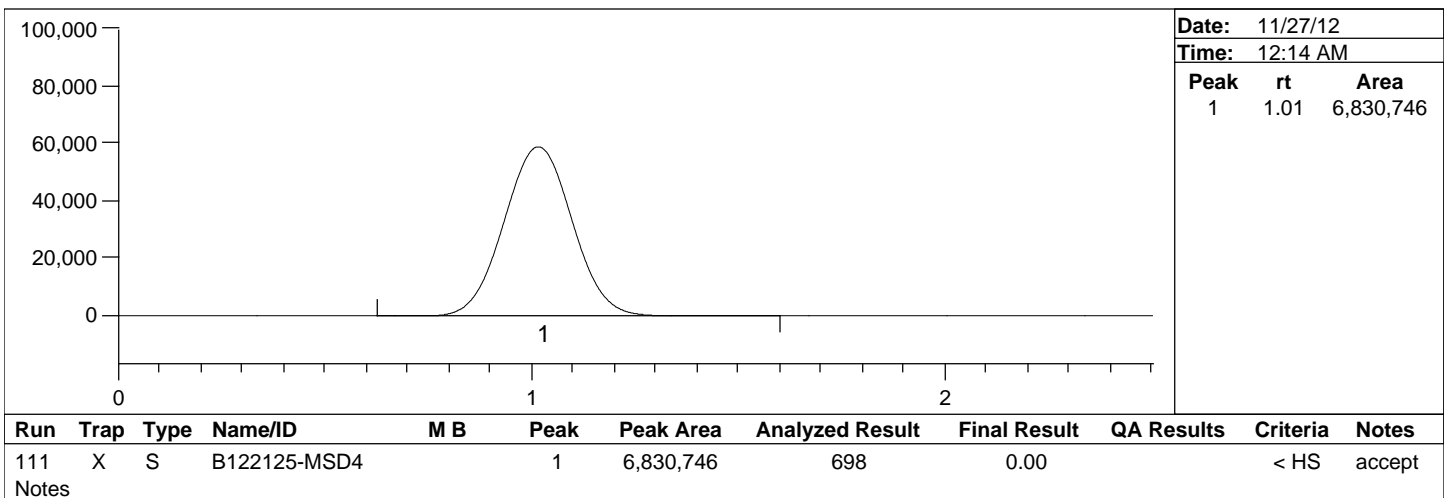
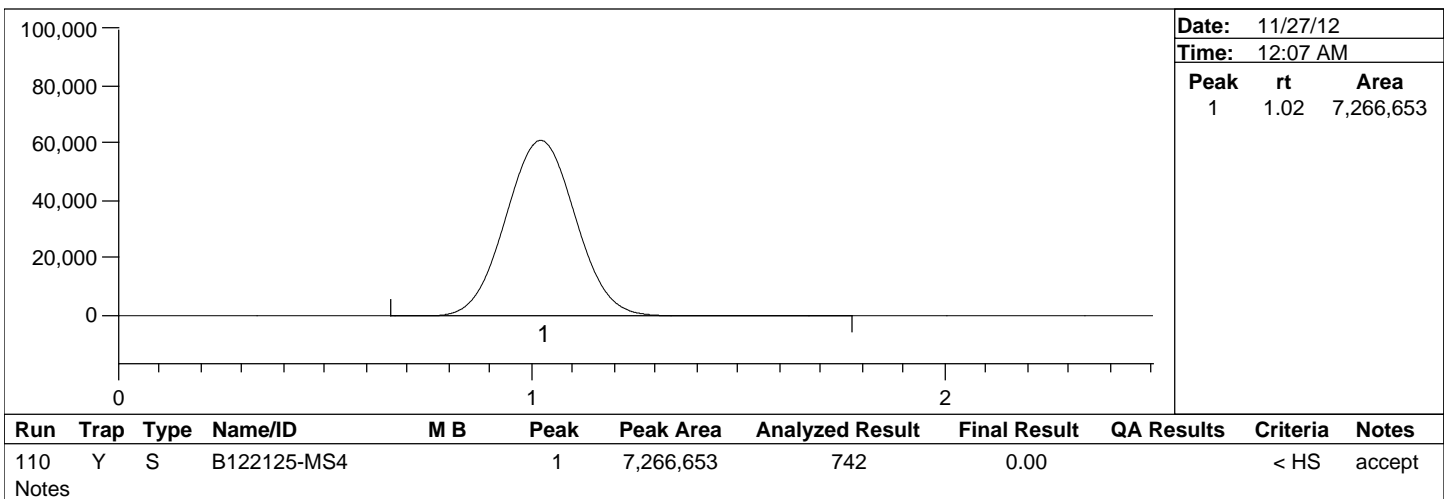
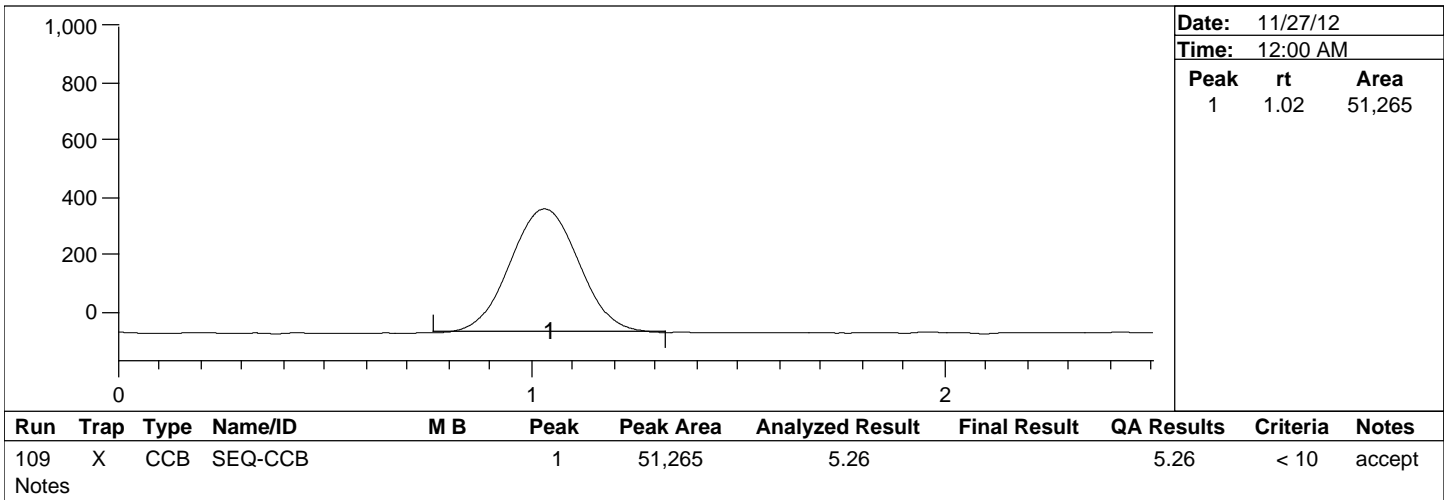
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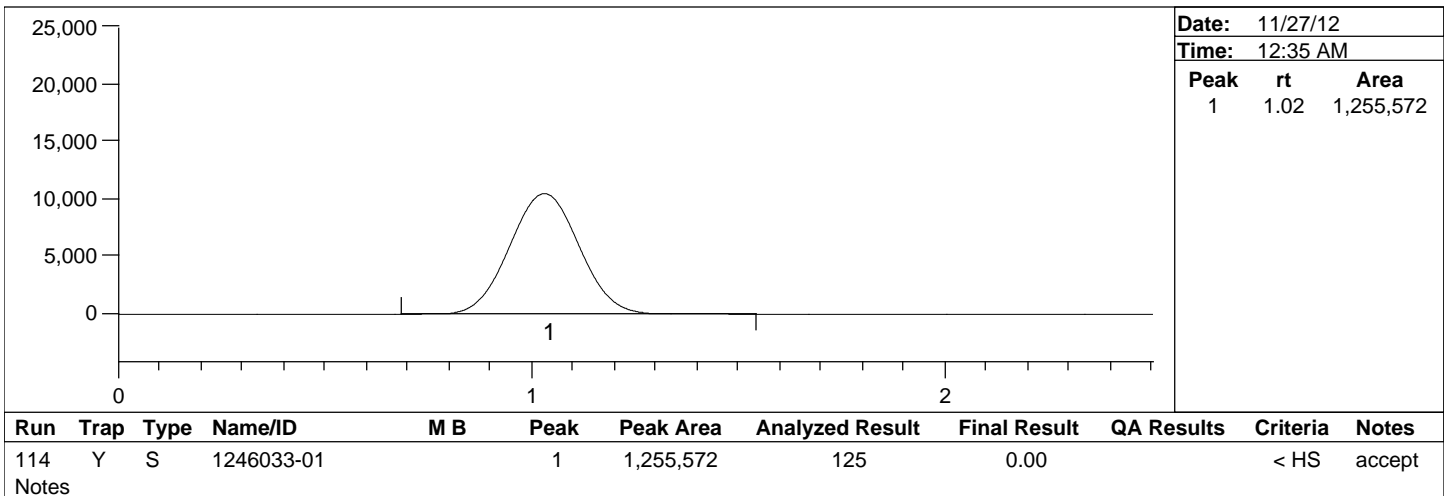
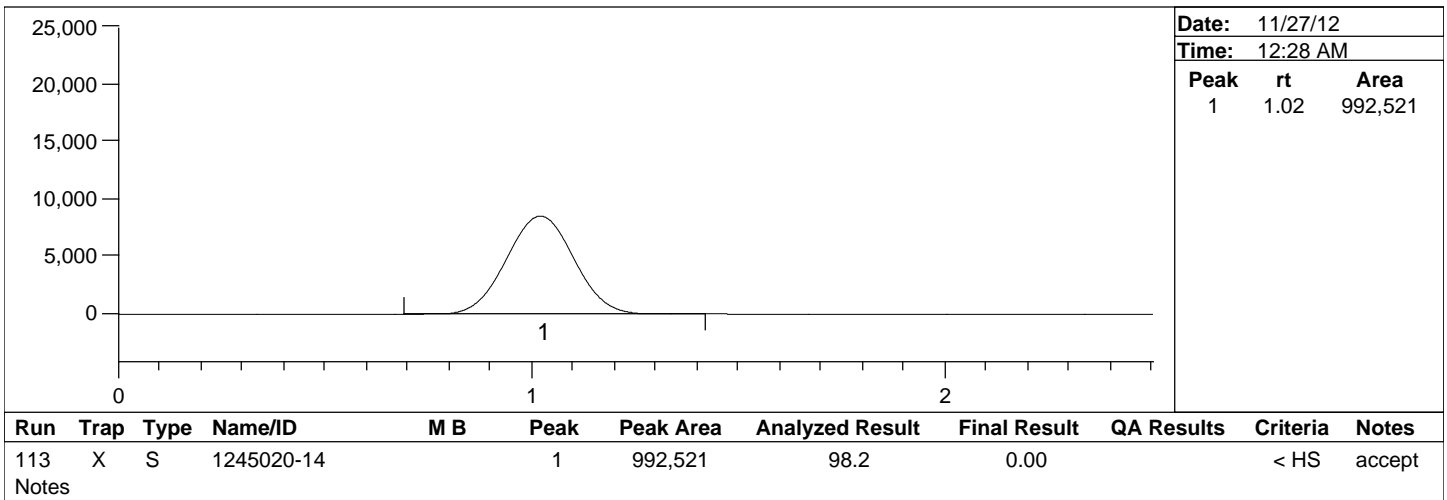
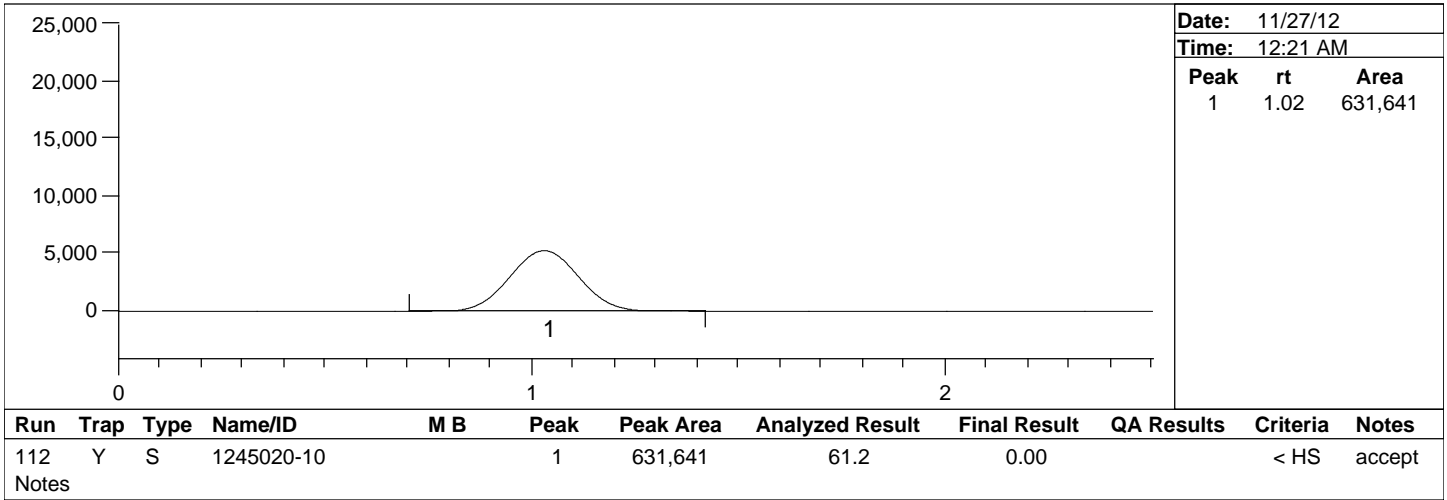
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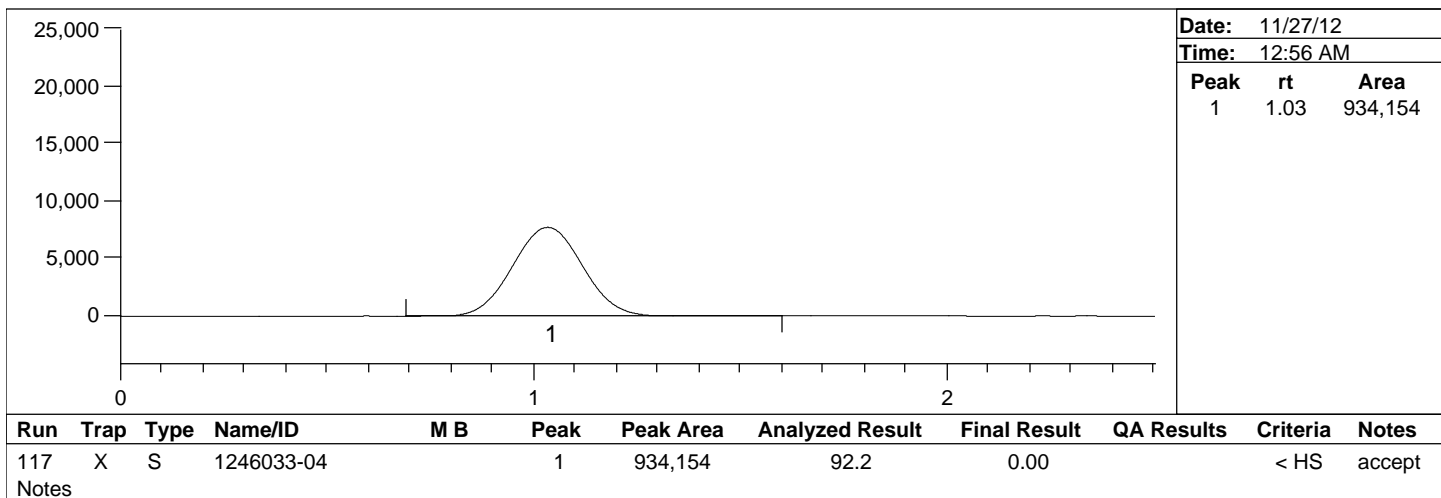
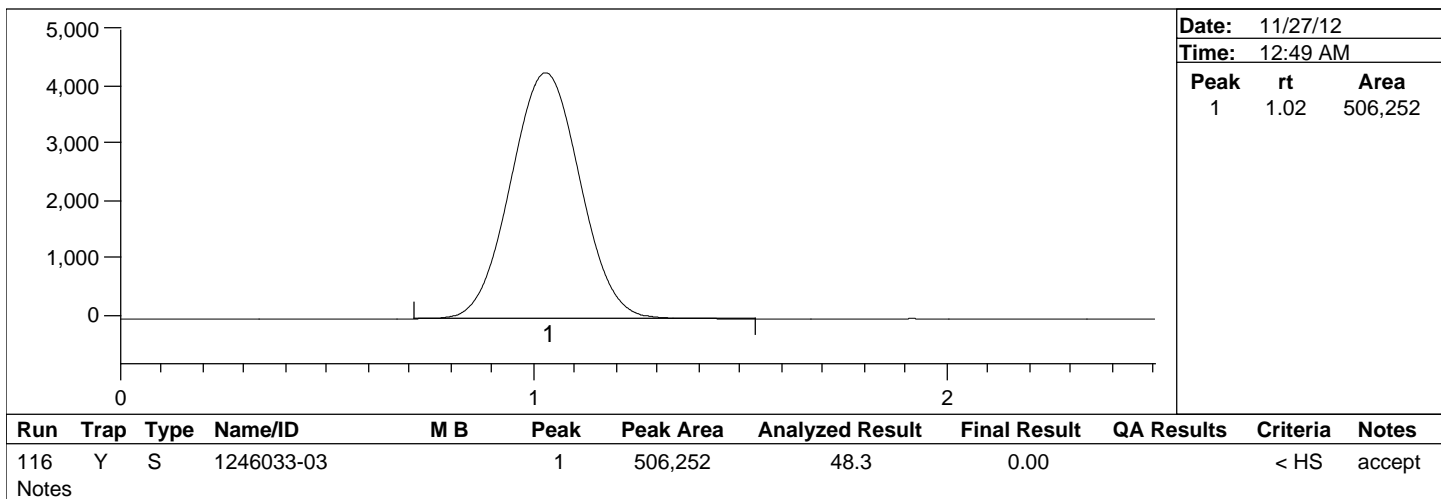
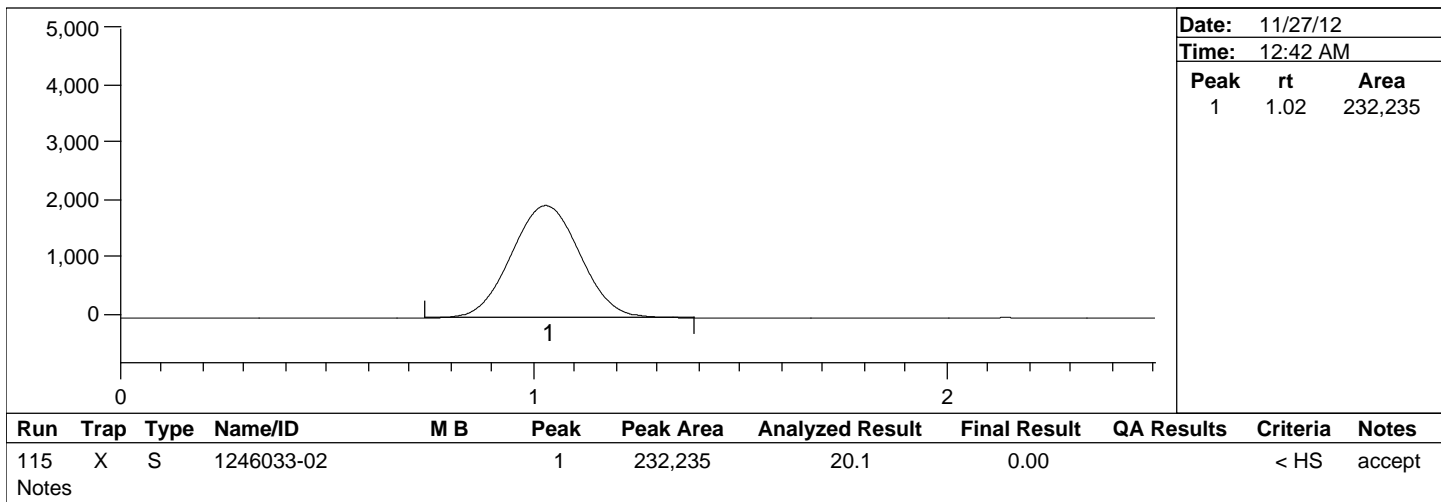
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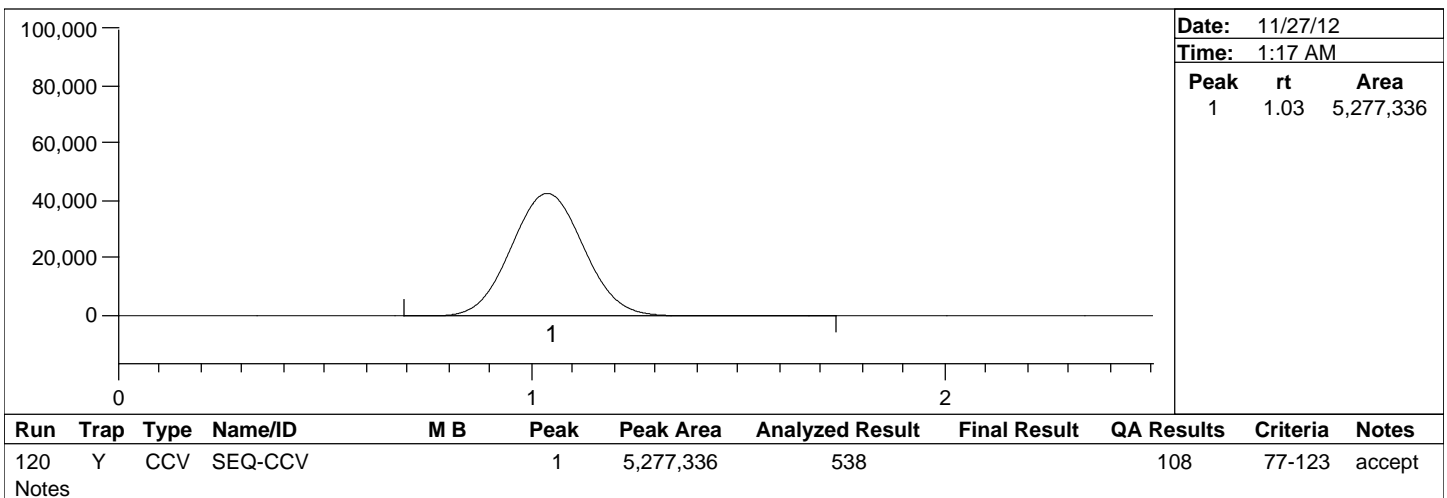
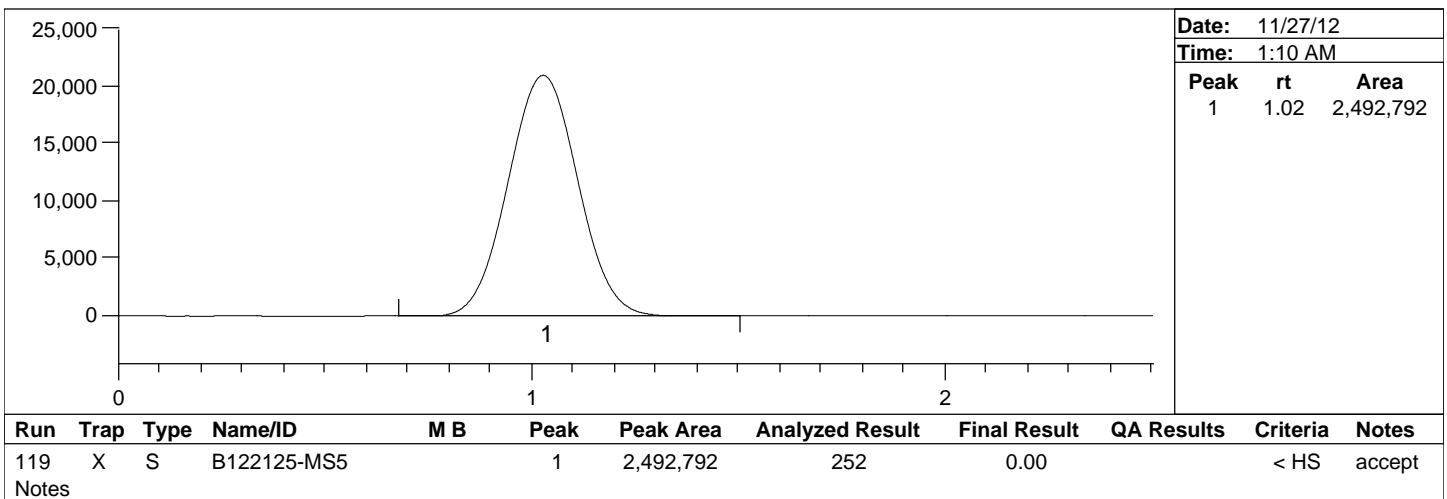
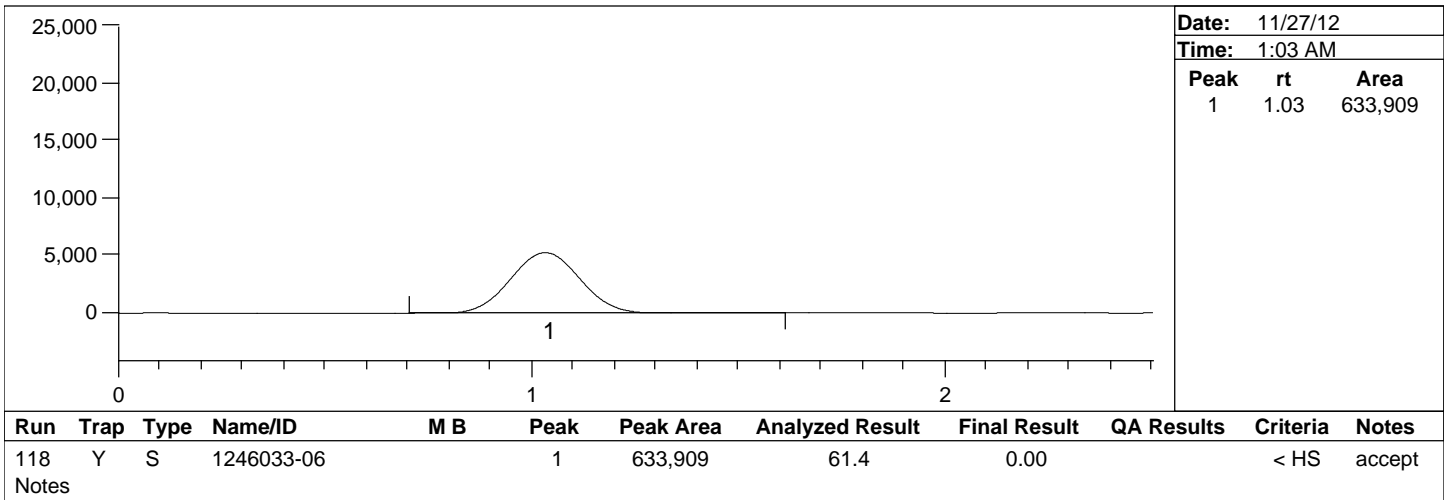
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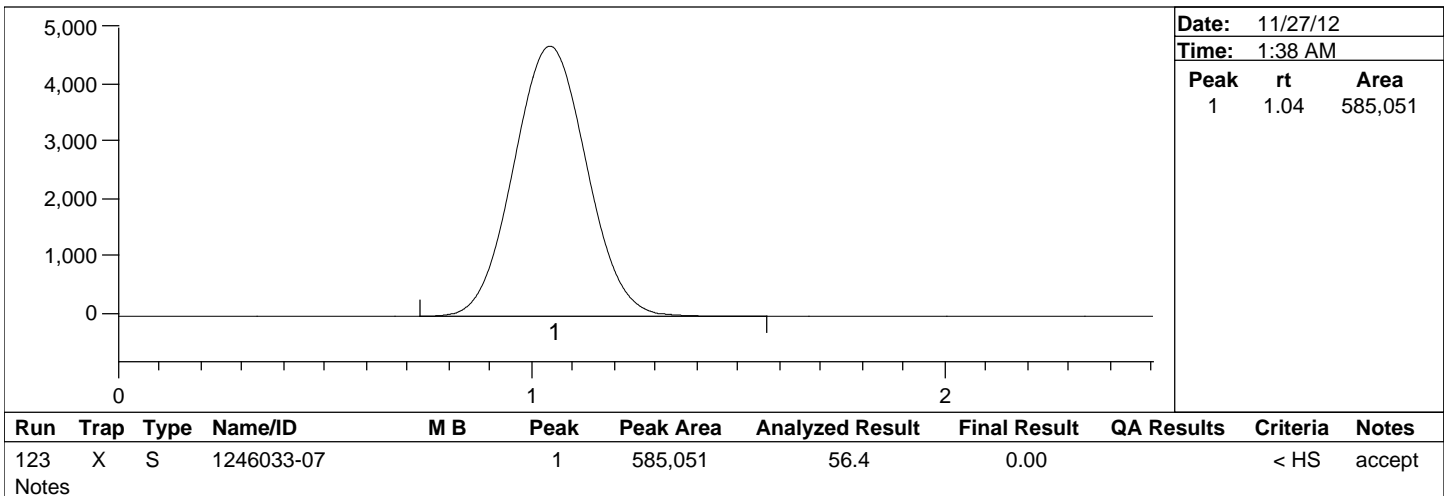
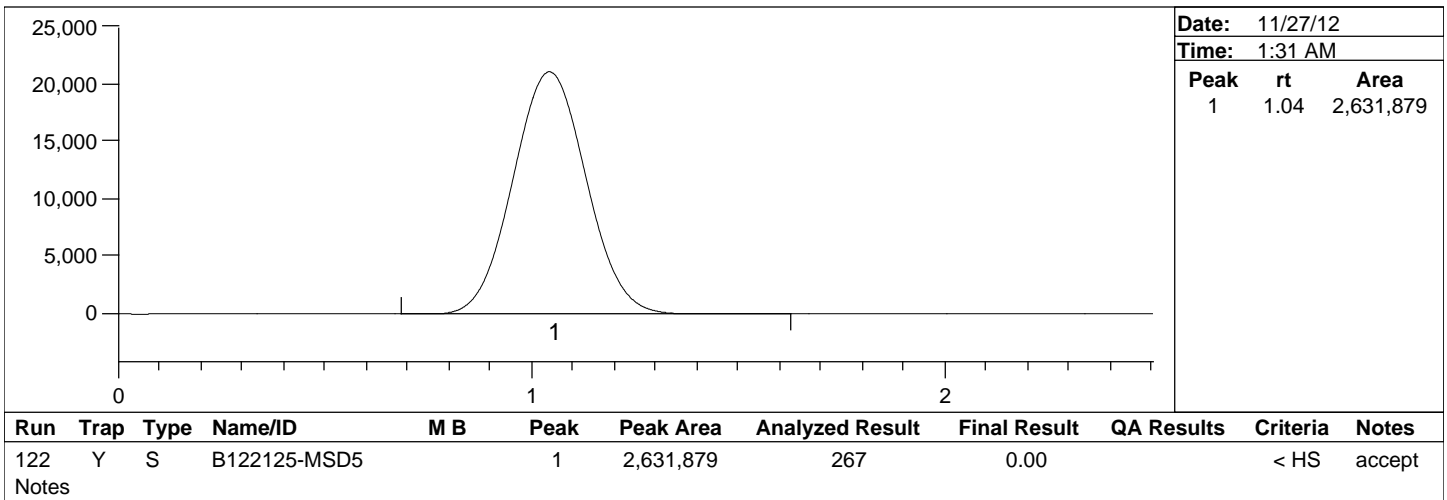
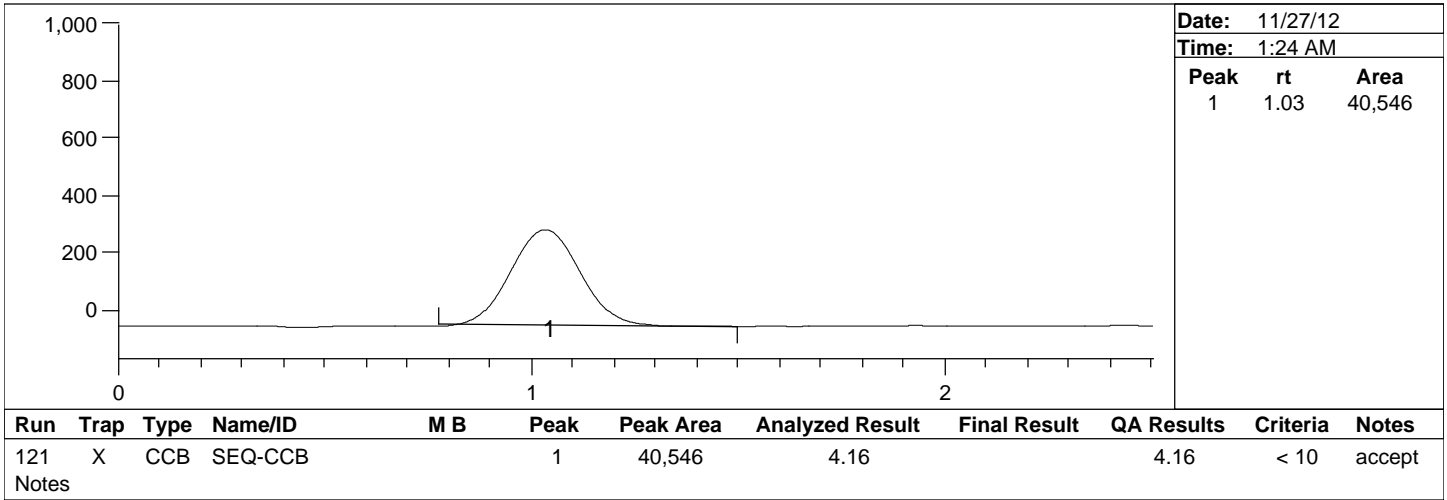
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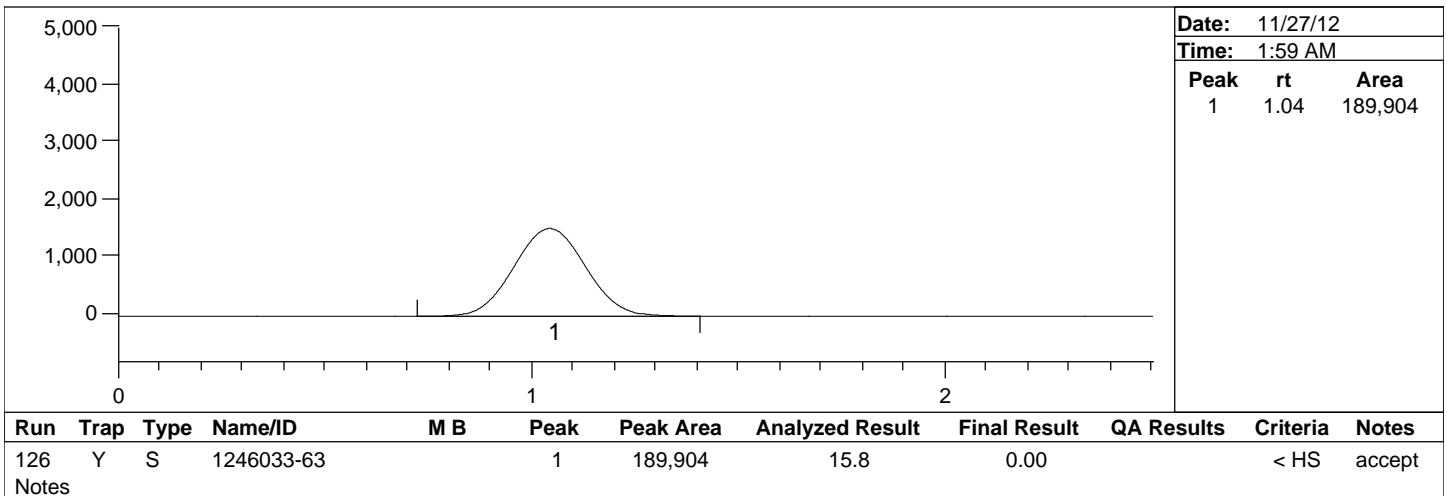
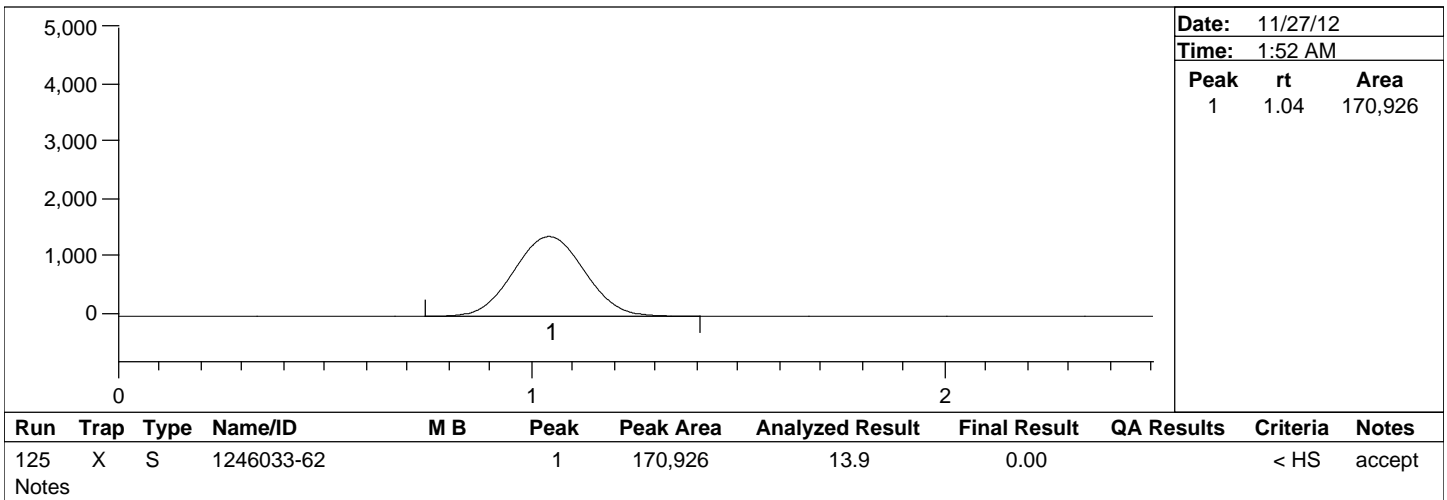
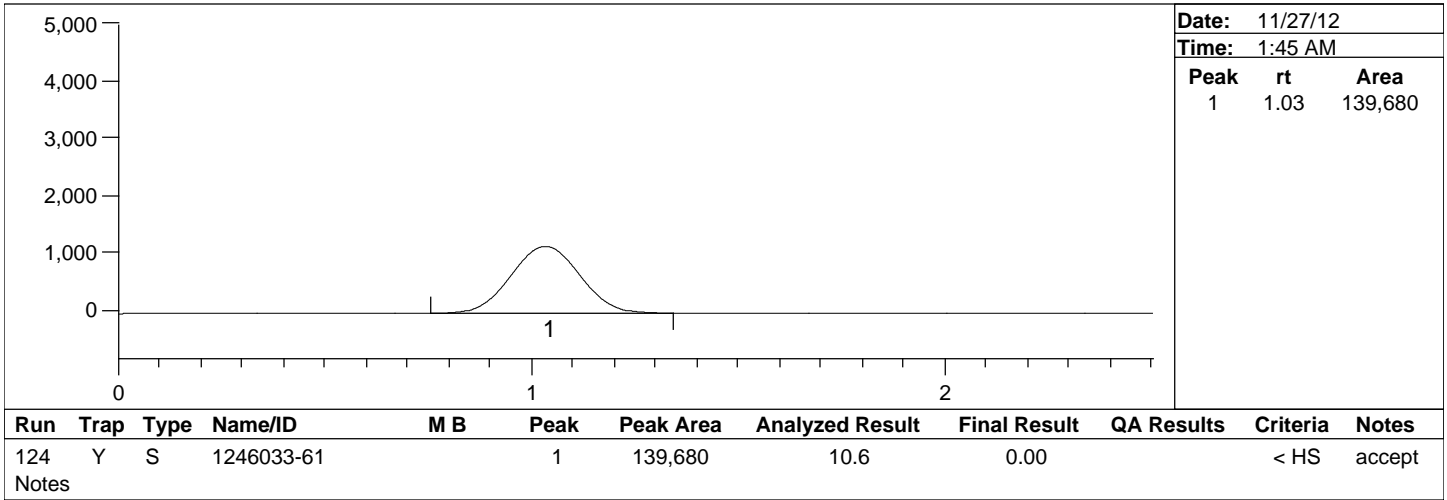
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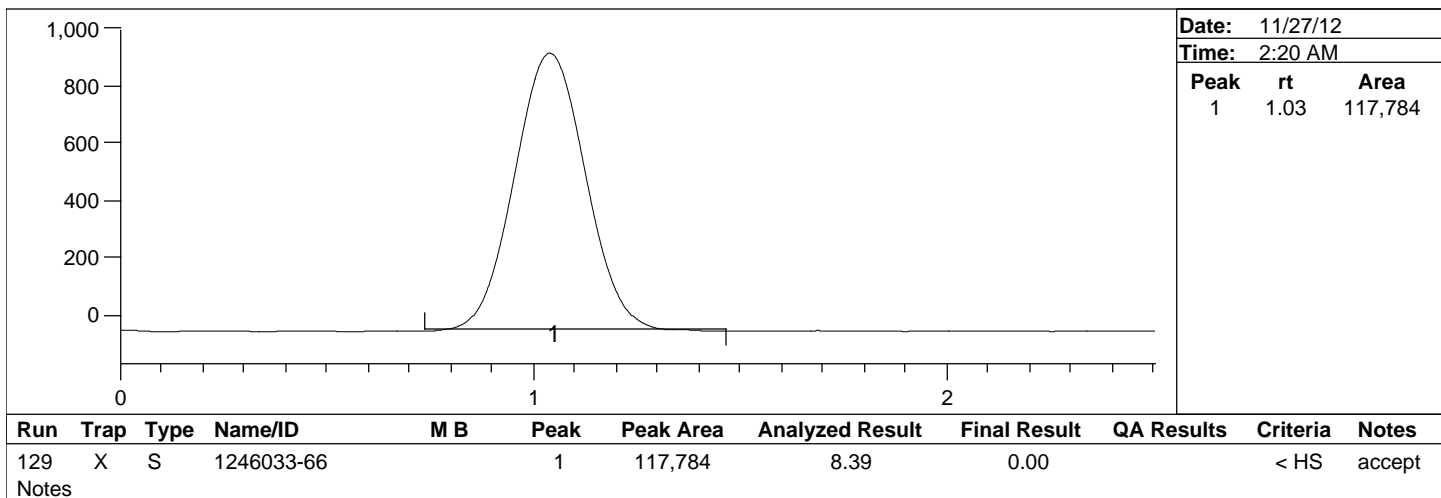
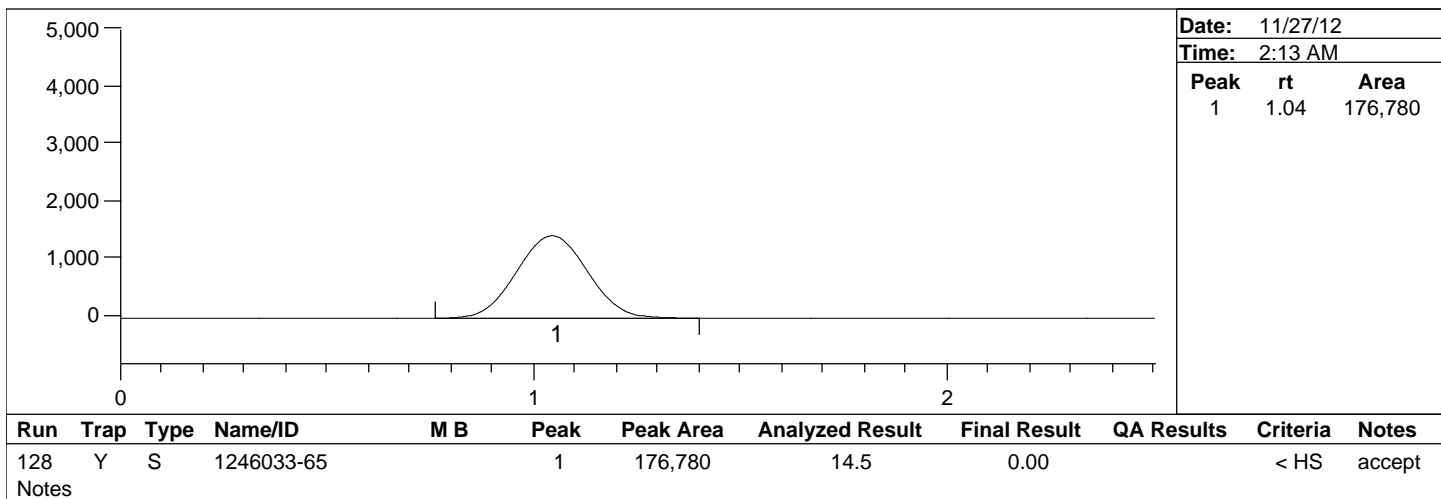
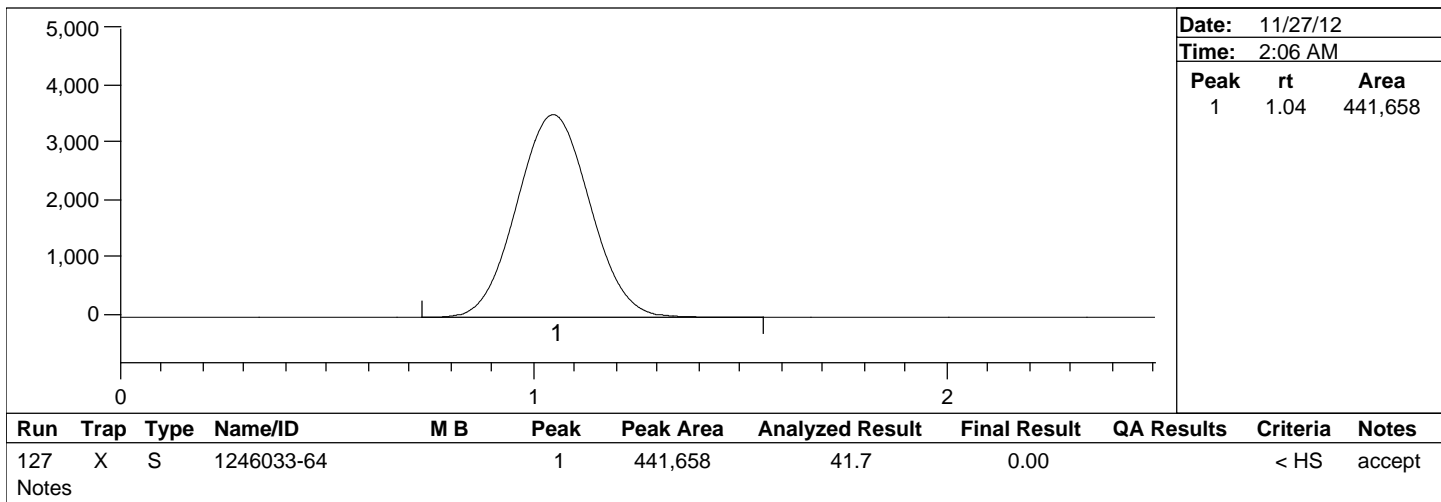
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Batch Number: B122143, 2128, 2176, 2125

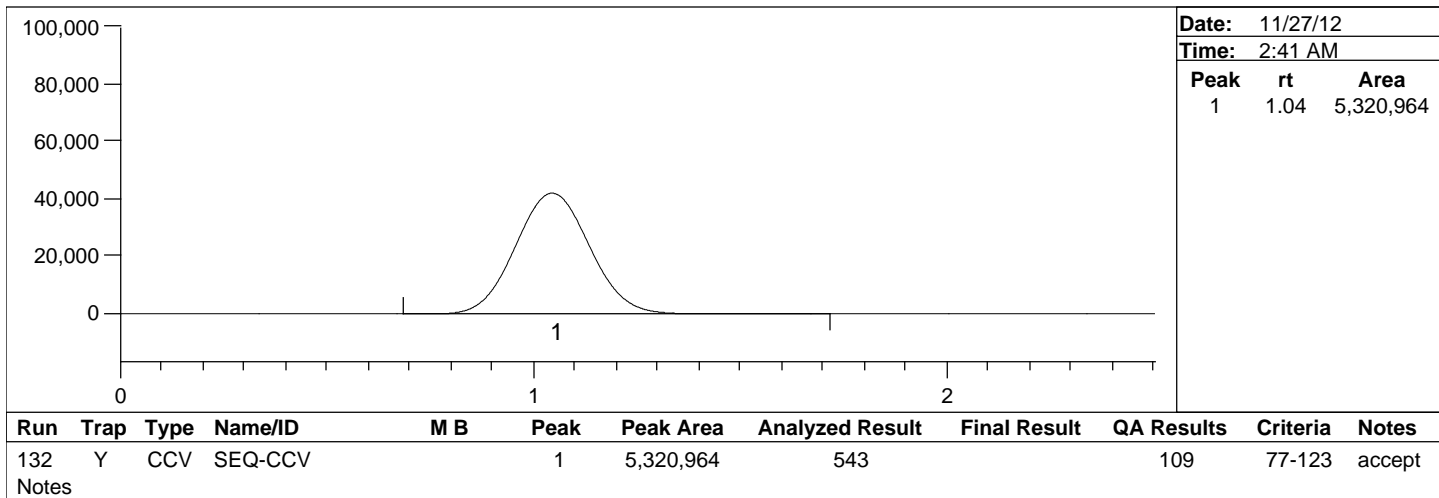
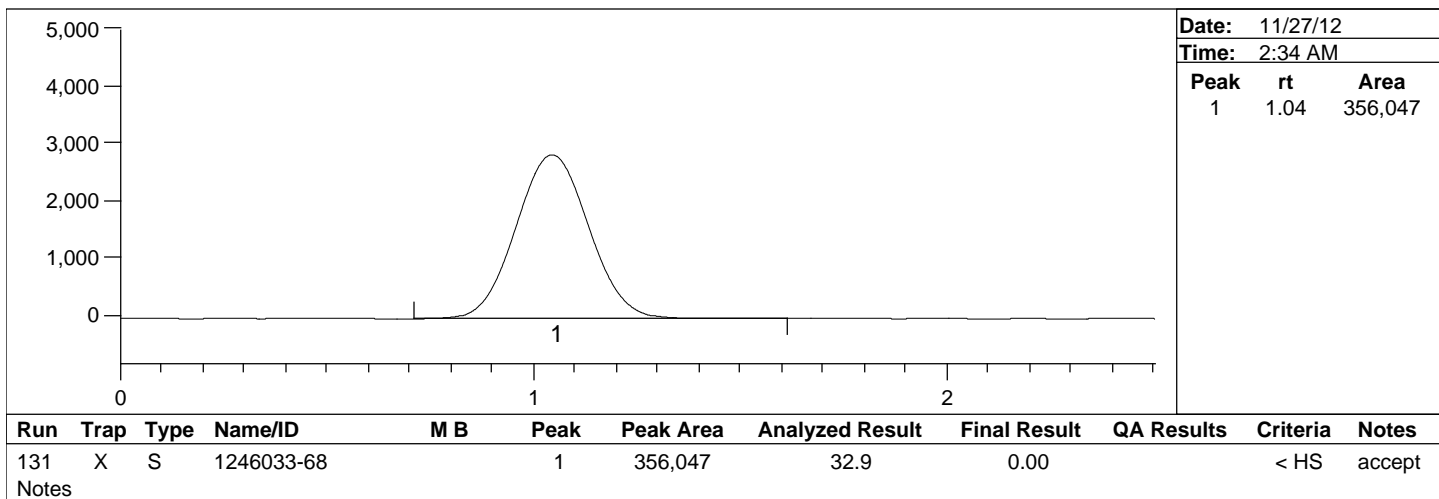
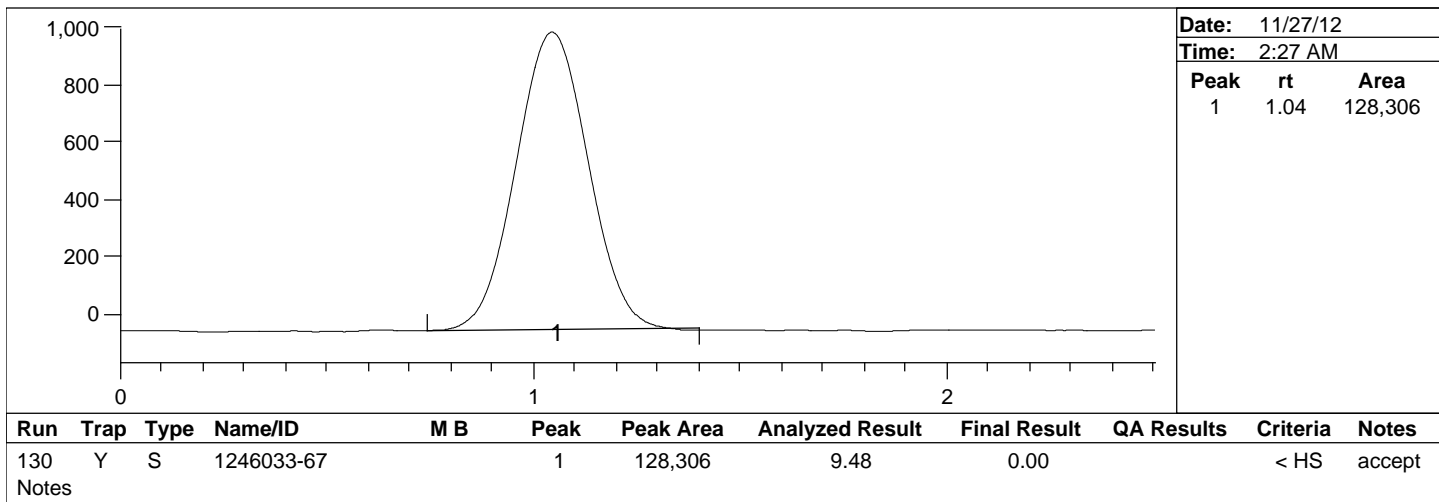
Method Number: CVAFS BR-0006

Project Number(s): 1200884

Instrument ID: THG-05

Date Analyzed: 11/26/12

Analyst Name: MLH



Peak Report

Batch Number: B122143, 2128, 2176, 2125

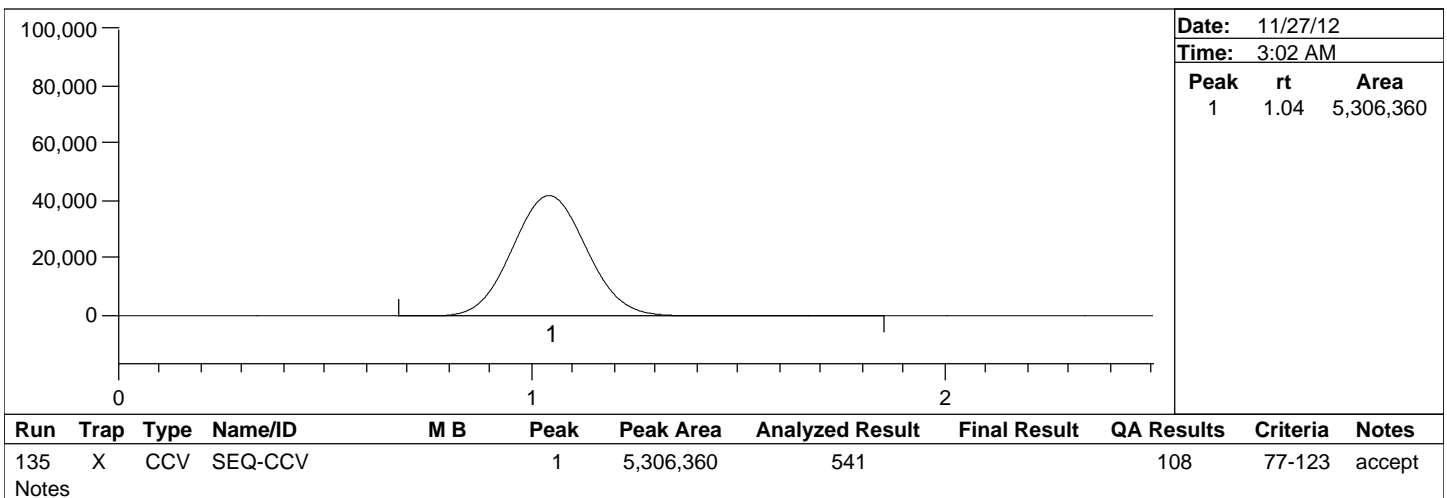
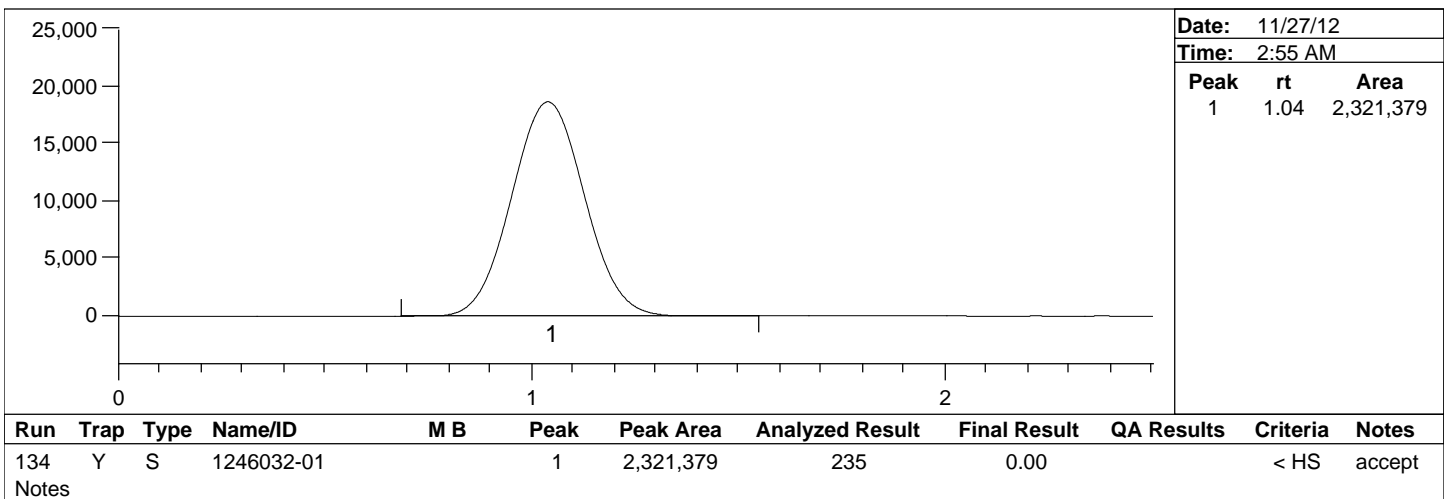
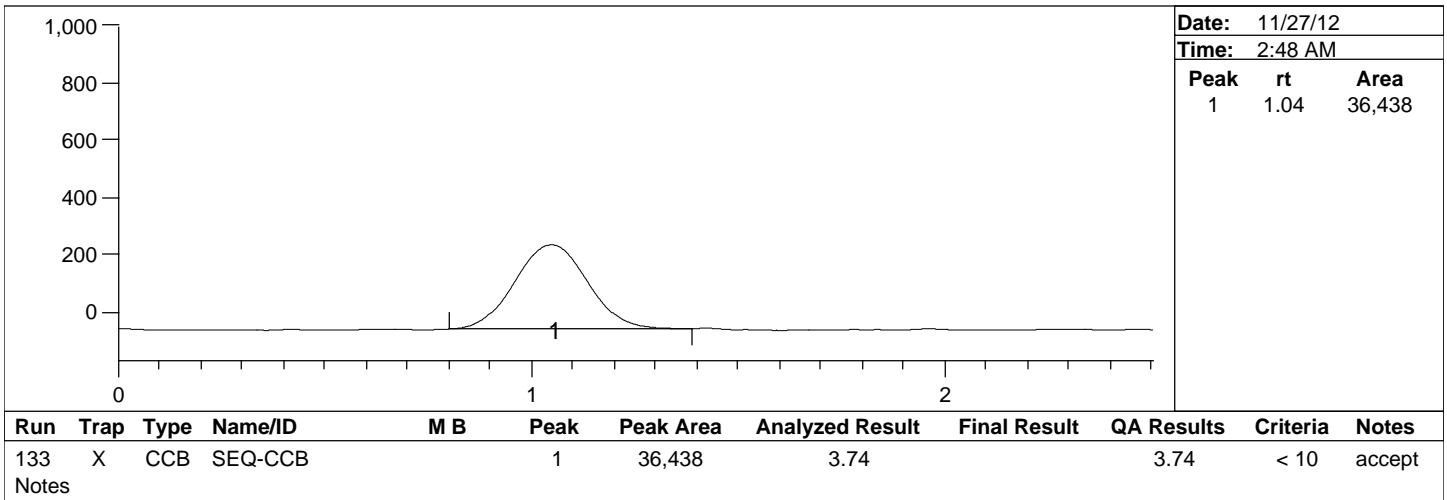
Method Number: CVAFS BR-0006

Project Number(s): 1200884

Instrument ID: THG-05

Date Analyzed: 11/26/12

Analyst Name: MLH



Peak Report

Batch Number: B122143, 2128, 2176, 2125

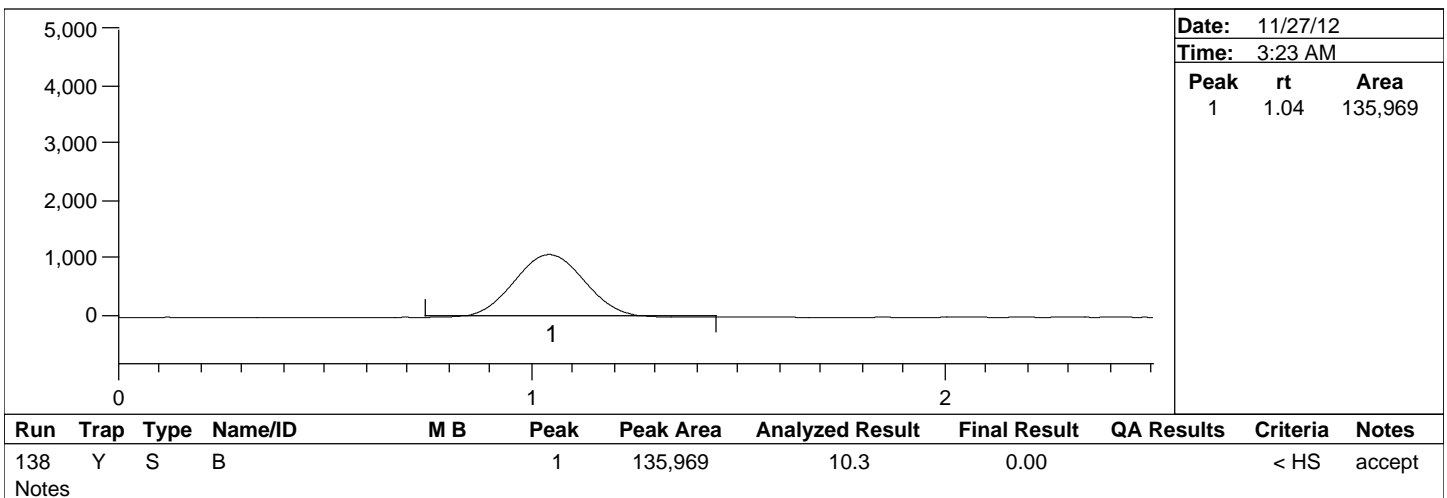
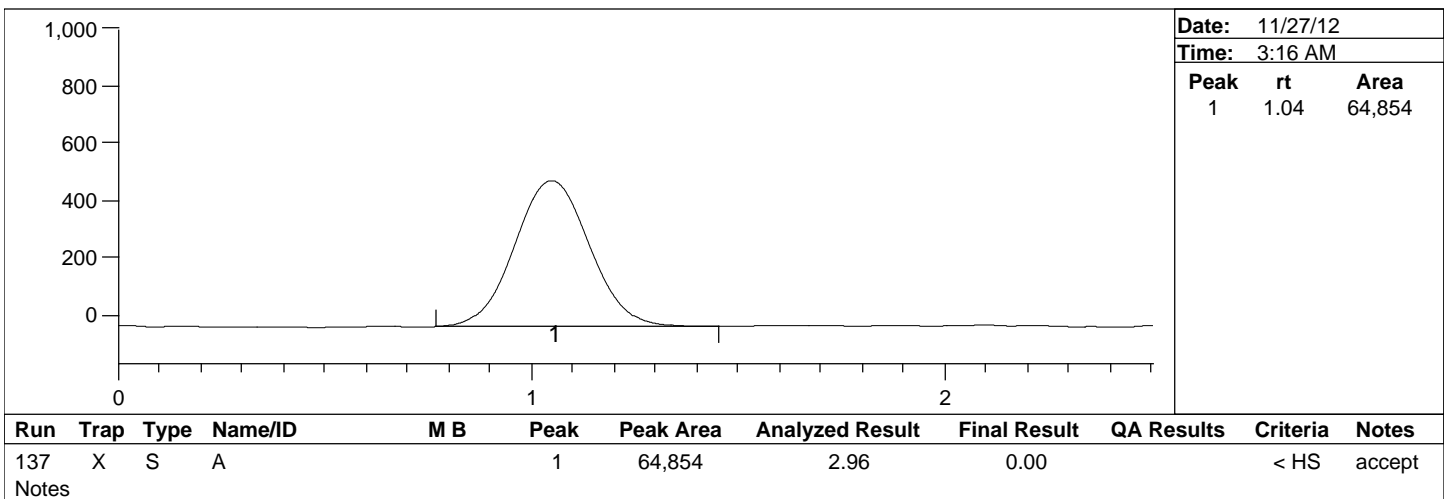
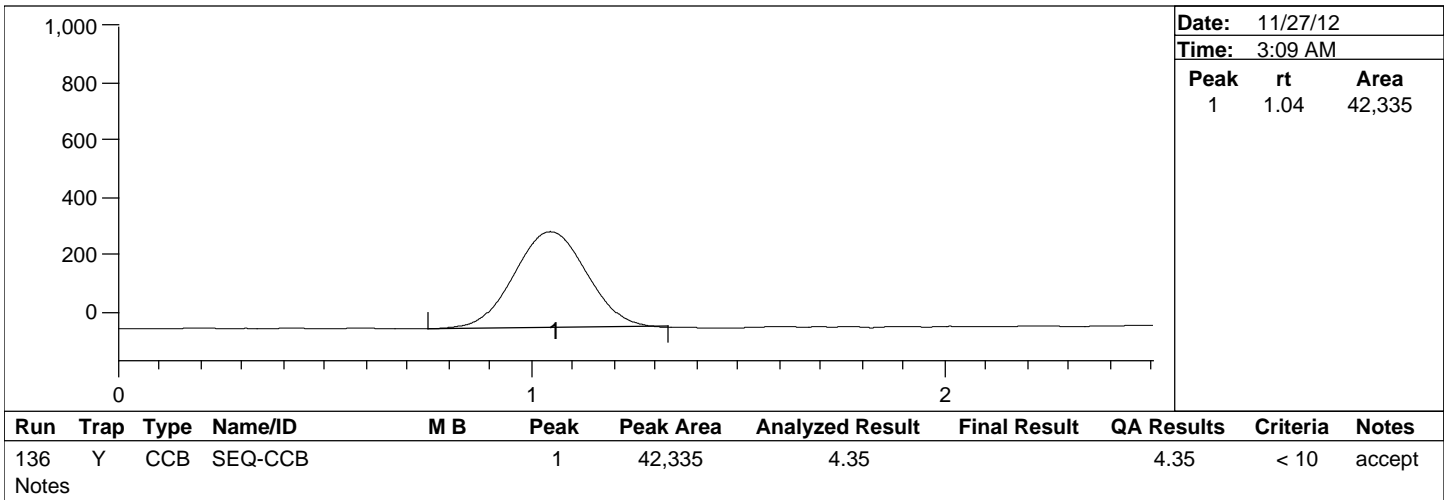
Method Number: CVAFS BR-0006

Project Number(s): 1200884

Instrument ID: THG-05

Date Analyzed: 11/26/12

Analyst Name: MLH



ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200906

Instrument: THG-06(MerxT)

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200906-IBL1	1200906	QC	1		-			
1200906-IBL2	1200906	QC	2		-			
1200906-IBL3	1200906	QC	3		-			
1200906-IBL4	1200906	QC	4		-			
1200906-CAL1	1200906	QC	5	1249018	-			
1200906-CAL2	1200906	QC	6	1249019	-			
1200906-CAL3	1200906	QC	7	1249020	-			
1200906-CAL4	1200906	QC	8	1249021	-			
1200906-CAL5	1200906	QC	9	1249022	-			
1200906-CAL6	1200906	QC	10	1249023	-			
1200906-ICV1	1200906	QC	11	1249025	-			
1200906-CCB1	1200906	QC	12		-			
1200906-CCV1	1200906	QC	13	1249024	-			
1200906-CCB2	1200906	QC	14		-			
1200906-CCB3	1200906	QC	15		-			
1200906-CCB4	1200906	QC	16		-			
B122213-BLK1	B122213	QC	17		-			
B122213-BLK2	B122213	QC	18		-			
B122213-BLK3	B122213	QC	19		-			
B122213-BLK4	B122213	QC	20		-			
B122213-SRM1	B122213	QC	21		-			
1247010-15	B122213	Hg-S-AR-MERX-CVAFS	22			ENV-BN1201	12/13/2012	
1247010-16	B122213	Hg-S-AR-MERX-CVAFS	23			ENV-BN1201	12/13/2012	
1247010-17	B122213	Hg-S-AR-MERX-CVAFS	24			ENV-BN1201	12/13/2012	
B122213-DUP1	B122213	QC	25		1247010-17			
B122213-MS1	B122213	QC	26		1247010-17			

ANALYSIS SEQUENCE

BRL Report 1245005

1200906

Brooks Rand Labs

Instrument: THG-06(MerxT)

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200906-CCV2	1200906	QC	27	1249024	-			
1200906-CCB5	1200906	QC	28		-			
B122213-MSD1	B122213	QC	29		1247010-17			
1247010-18	B122213	Hg-S-AR-MERX-CVAFS	30			ENV-BN1201	12/13/2012	
1200906-CCV3	1200906	QC	31	1249024	-			
1200906-CCB6	1200906	QC	32		-			
B122171-BLK1	B122171	QC	33		-			
B122171-BLK2	B122171	QC	34		-			
B122171-BLK3	B122171	QC	35		-			
B122171-BLK4	B122171	QC	36		-			
B122171-SRM1	B122171	QC	37		-			
1245005-01	B122171	Hg-B-70:30-MERX-CVAFS	38			UDE-SL1201	12/20/2012	
1245005-02	B122171	Hg-B-70:30-MERX-CVAFS	39			UDE-SL1201	12/20/2012	
1245005-03	B122171	Hg-B-70:30-MERX-CVAFS	40			UDE-SL1201	12/20/2012	
B122171-DUP1	B122171	QC	41		1245005-03			
B122171-MS1	B122171	QC	42		1245005-03			
1200906-CCV4	1200906	QC	43	1249024	-			
1200906-CCB7	1200906	QC	44		-			
B122171-MSD1	B122171	QC	45		1245005-03			
1245005-04	B122171	Hg-B-70:30-MERX-CVAFS	46			UDE-SL1201	12/20/2012	
1245005-05	B122171	Hg-B-70:30-MERX-CVAFS	47			UDE-SL1201	12/20/2012	
1245005-06	B122171	Hg-B-70:30-MERX-CVAFS	48			UDE-SL1201	12/20/2012	
1245005-07	B122171	Hg-B-70:30-MERX-CVAFS	49			UDE-SL1201	12/20/2012	
1245005-08	B122171	Hg-B-70:30-MERX-CVAFS	50			UDE-SL1201	12/20/2012	
1246025-04	B122171	Hg-B-70:30-MERX-CVAFS	51			DBE-RK1102	12/10/2012	
1246025-05	B122171	Hg-B-70:30-MERX-CVAFS	52			DBE-RK1102	12/10/2012	

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200906

Instrument: THG-06(MerxT)

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B122171-DUP2	B122171	QC	53		1246025-05			
B122171-MS2	B122171	QC	54		1246025-05			
1200906-CCV5	1200906	QC	55	1249024	-			
1200906-CCB8	1200906	QC	56		-			
B122171-MSD2	B122171	QC	57		1246025-05			
1246025-06	B122171	Hg-B-70:30-MERX-CVAFS	58			DBE-RK1102	12/10/2012	
1200906-CCV6	1200906	QC	59	1249024	-			
1200906-CCB9	1200906	QC	60		-			
B122179-BLK1	B122179	QC	61		-			
B122179-BLK2	B122179	QC	62		-			
B122179-BLK3	B122179	QC	63		-			
B122179-BLK4	B122179	QC	64		-			
B122179-SRM1	B122179	QC	65		-			
B122179-SRM2	B122179	QC	66		-			
1246015-01	B122179	Hg-B-70:30-MERX-CVAFS	67			AXS-BC1203	12/7/2012	
B122179-DUP1	B122179	QC	68		1246015-01			
B122179-MS1	B122179	QC	69		1246015-01			
B122179-MSD1	B122179	QC	70		1246015-01			
1200906-CCV7	1200906	QC	71	1249024	-			
1200906-CCBA	1200906	QC	72		-			
1246015-02	B122179	Hg-B-70:30-MERX-CVAFS	73			AXS-BC1203	12/7/2012	
1246015-03	B122179	Hg-B-70:30-MERX-CVAFS	74			AXS-BC1203	12/7/2012	
1246015-04	B122179	Hg-B-70:30-MERX-CVAFS	75			AXS-BC1203	12/7/2012	
1246015-05	B122179	Hg-B-70:30-MERX-CVAFS	76			AXS-BC1203	12/7/2012	
1246015-06	B122179	Hg-B-70:30-MERX-CVAFS	77			AXS-BC1203	12/7/2012	
1246015-07	B122179	Hg-B-70:30-MERX-CVAFS	78			AXS-BC1203	12/7/2012	

ANALYSIS SEQUENCE

BRL Report 1245005

1200906

Brooks Rand Labs

Instrument: THG-06(MerxT)

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1246015-08	B122179	Hg-B-70:30-MERX-CVAFS	79			AXS-BC1203	12/7/2012	
1246015-09	B122179	Hg-B-70:30-MERX-CVAFS	80			AXS-BC1203	12/7/2012	
1246015-10	B122179	Hg-B-70:30-MERX-CVAFS	81			AXS-BC1203	12/7/2012	
1246015-11	B122179	Hg-B-70:30-MERX-CVAFS	82			AXS-BC1203	12/7/2012	
1200906-CCV8	1200906	QC	83	1249024	-			
1200906-CCBB	1200906	QC	84		-			
B122179-DUP2	B122179	QC	85		1246015-11			
B122179-MS2	B122179	QC	86		1246015-11			
B122179-MSD2	B122179	QC	87		1246015-11			
1246015-12	B122179	Hg-B-70:30-MERX-CVAFS	88			AXS-BC1203	12/7/2012	
1246015-13	B122179	Hg-B-70:30-MERX-CVAFS	89			AXS-BC1203	12/7/2012	
1246015-14	B122179	Hg-B-70:30-MERX-CVAFS	90			AXS-BC1203	12/7/2012	
1246015-15	B122179	Hg-B-70:30-MERX-CVAFS	91			AXS-BC1203	12/7/2012	
1246015-16	B122179	Hg-B-70:30-MERX-CVAFS	92			AXS-BC1203	12/7/2012	
1246015-17	B122179	Hg-B-70:30-MERX-CVAFS	93			AXS-BC1203	12/7/2012	
1246015-18	B122179	Hg-B-70:30-MERX-CVAFS	94			AXS-BC1203	12/7/2012	
1200906-CCV9	1200906	QC	95	1249024	-			
1200906-CCBC	1200906	QC	96		-			
1246015-19	B122179	Hg-B-70:30-MERX-CVAFS	97			AXS-BC1203	12/7/2012	
1246015-20	B122179	Hg-B-70:30-MERX-CVAFS	98			AXS-BC1203	12/7/2012	
1246015-21	B122179	Hg-B-70:30-MERX-CVAFS	99			AXS-BC1203	12/7/2012	
B122179-DUP3	B122179	QC	100		1246015-21			
B122179-MS3	B122179	QC	101		1246015-21			
B122179-MSD3	B122179	QC	102		1246015-21			
1246015-22	B122179	Hg-B-70:30-MERX-CVAFS	103			AXS-BC1203	12/7/2012	
1246015-23	B122179	Hg-B-70:30-MERX-CVAFS	104			AXS-BC1203	12/7/2012	

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200906

Instrument: THG-06(MerxT)

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1246015-24	B122179	Hg-B-70:30-MERX-CVAFS	105			AXS-BC1203	12/7/2012	
1246015-25	B122179	Hg-B-70:30-MERX-CVAFS	106			AXS-BC1203	12/7/2012	
1200906-CCVA	1200906	QC	107	1249024	-			
1200906-CCBD	1200906	QC	108		-			
1246015-26	B122179	Hg-B-70:30-MERX-CVAFS	109			AXS-BC1203	12/7/2012	
1246015-27	B122179	Hg-B-70:30-MERX-CVAFS	110			AXS-BC1203	12/7/2012	
1246015-28	B122179	Hg-B-70:30-MERX-CVAFS	111			AXS-BC1203	12/7/2012	
1246015-29	B122179	Hg-B-70:30-MERX-CVAFS	112			AXS-BC1203	12/7/2012	
1200906-CCVB	1200906	QC	113	1249024	-			
1200906-CCBE	1200906	QC	114		-			
1245015-02RE2	B122277	Hg(F3)-S-CVAFS	115			AEC-AS1201	11/30/2012	Added 12/5/2012 by FKM
1245015-04RE2	B122277	Hg(F3)-S-CVAFS	116			AEC-AS1201	11/30/2012	Added 12/5/2012 by FKM
1245015-05RE2	B122277	Hg(F3)-S-CVAFS	117			AEC-AS1201	11/30/2012	Added 12/5/2012 by FKM
B122277-PS2	B122277	QC	118		1245015-05RE2			
1200906-CCVC	1200906	QC	119	1249024	-			
1200906-CCBF	1200906	QC	120		-			
1245015-01RE1	B122134	Hg(F4)-S-CVAFS	121			AEC-AS1201	11/30/2012	Added 12/5/2012 by FKM
1245015-02RE1	B122134	Hg(F4)-S-CVAFS	122			AEC-AS1201	11/30/2012	Added 12/5/2012 by FKM
1245015-03RE1	B122134	Hg(F4)-S-CVAFS	123			AEC-AS1201	11/30/2012	Added 12/5/2012 by FKM
1245015-04RE1	B122134	Hg(F4)-S-CVAFS	124			AEC-AS1201	11/30/2012	Added 12/5/2012 by FKM
1245015-05RE1	B122134	Hg(F4)-S-CVAFS	125			AEC-AS1201	11/30/2012	Added 12/5/2012 by FKM
B122134-PS1	B122134	QC	126		1245015-05RE1			
1200906-CCVD	1200906	QC	127	1249024	-			
1200906-CCBG	1200906	QC	128		-			
1245015-02RE1	B122135	Hg(F5)-S-CVAFS	129			AEC-AS1201	11/30/2012	Added 12/5/2012 by FKM
1245015-04RE1	B122135	Hg(F5)-S-CVAFS	130			AEC-AS1201	11/30/2012	Added 12/5/2012 by FKM

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200906

Instrument: THG-06(MerxT)

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B122135-PS1	B122135	QC	131		1245015-04RE1			
1200906-CCVE	1200906	QC	132	1249024	-			
1200906-CCBH	1200906	QC	133		-			

Hg Analysis Sheet : T-Hg MERX-T:

Sequence: 1200906 Batch(es): B122213, 2171, 2179, 2134, 2135

Analyst: MH Date: 12.6.12 Instrument ID: THg-086

10ng/mL std ID: 1249010 1ng/mL std ID: 1249009 ICV std ID: 1249011

NH₂OH·HCl #: 1244020 SnCl₂ #: 1242034

Initial offset: 9.703 Initial PMT: 497.0

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	B122213-BLK1	1.00		
20	BLK2			
21	BLK3			
22	BLK4			
23	-SEM1			
MET 12.7.12 24	1247010-15	0.05		

Comments: _____

Balance ID: MH 12.7.12 BT-01 NO BALANCE USED

Hg Analysis Sheet : T-Hg / Other: _____

Sequence: 1200904

Analyst: MCH

Date: 12.6.12

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	1247010-16	0.050		
26	↓ -17	↓		
27	B122213-DUP1	↓		
28	↓ -MS1	↓		
29	SEQ-CCV	0.050		10ng/mL
30	SEQ-CCB	—		
31	B122213-MSD1	0.050		
32	1247010-16	↓		
33	SEQ-CCV	0.050		10ng/mL
34	SEQ-CCB	—		
35	B122171-BK1	1.00		
36	↓ -BK2	↓		
37	↓ -BK3	↓		
38	↓ -BK4	↓		
39	↓ -SEM1	↓		
40	1245005-01	1.00		
41	↓ -02	↓		
42	↓ -03	↓		
43	B122171-DUP1	↓		
44	↓ -MS1	↓		
45	SEQ-CCV	0.050		10ng/mL
46	SEQ-CCB	—		
47	B122171-MSD1	1.00		
48	1245005-04	↓		

Comments: _____

Hg Analysis Sheet : T-Hg / Other: _____

Sequence: 1200900

Analyst: MCH

Date: 12.6.12

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	1245005-05	1.00		
50	-06			
51	-07			
52	-08			
53	1246025-04	0.050		
54	+ -05			
55	B122171-DUP2			
56	+ -MS2			
57	SEQ-CCV	0.050		10 ng/ml
58	SEQ-CCB	-		
59	B122171-MSD2	0.050		
60	1246025-00			
61	SEQ-CCV	0.050		10 ng/ml
62	SEQ-CCB	-		
63	B122179-BL1	1.00		
64	-BL2			
65	-BL3			
66	-BL4			
67	-SRM1			
68	-SRM2			
69	1246015-01	0.100		
70	B122179-DUP1			
71	-MS1			
72	-MSD1			

Comments:

Hg Analysis Sheet : T-Hg / Other: _____

Sequence: 1200906

Analyst: MCH

Date: 12.6.12

Run #/ Pos #	Brooks Rand Sample ID	Analy. Vol. (mL)	Dilution Factor	Analysis comments / For spiked QC: Source sample, standard ID, and spiked volume (mL)
73	SED-CCV	0.050		10 µg/mL
74	SED-CCB	—		
75	1246015-02	0.200		
76	↓ -03	↓		
77	↓ -04	↓		
78	↓ -05	↓		
79	↓ -06	↓		
80	↓ -07	↓		
81	↓ -08	↓		
82	↓ -09	↓		
83	↓ -10	↓		
84	↓ -11	0.100		
85	SED-CCV	0.050		10 µg/mL
86	SED-CCB	—		
87	B122179-DP2	0.100		
88	↓ -MS2	↓		
89	↓ -MS2	↓		
90	1246015-12	0.200		
91	↓ -13	↓		
92	↓ -14	↓		
93	↓ -15	↓		
94	↓ -16	↓		
95	↓ -17	↓		
96	↓ -18	↓		

Comments: _____

Hg Analysis Sheet : T-Hg / Other: _____

Sequence: 1200906 Analyst: M-H Date: 12-6-12

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	SEQ-CCW	0.050		10ng/mL
98	SEQ-CCB	—		
99	1246015-19	0.200		
100	-20	↓		
101	-21	0.100		
102	B122179-DJX ³	↓		
103	-MSS ³	↓		
104	-MSD3	↓		
105	1246015-22	0.200		
106	-23	↓		
107	-24	↓		
108	-25	↓		
109	SEQ-CCW	0.050		10ng/mL
110	SEQ-CCB	—		
111	1246015-26	0.200		
112	-27	↓		
113	-28	↓		
114	-29	↓		
115	SEQ-CCW	0.050		10ng/mL
116	SEQ-CCB	—		
117	1245015-02REL	2.00		F3 REMAINS B122177
118	-04REL	5.00		↓
119	-05REL	0.500		↓
120	B122177 PSL	↓		↓ NATIVE 1245015-05REL +5000 (500 μL of 10ng/mL)

Comments: _____

SOP(s) / Rev#(s): 12002-0104

Hg Analysis Sheet : T-Hg / Other: _____

Page 6 of 6

Sequence: 1200906

Analyst: MCH

Date: 12.6.12

Run #/ Pos #	Brooks Rand Sample ID	Analy. Vol. (mL)	Dilution Factor	Analysis comments / For spiked QC: Source sample, standard ID, and spiked volume (mL)
121	SEQ-CCV	0.050		10ng/ml
122	SEQ-CCB	—		
123	1245015-01RE1	0.200	100x	REMNDS of F4 B122134
124	↓ -02RE1	0.050		
125	↓ -03RE1	0.025		
126	↓ -04RE1	0.100		
127	↓ -05RE1	1.00		
128	B122134-PS1	1.00		
129	SEQ-CCV	0.050		
130	SEQ-CCB	—		
131	1245015-02RE1	0.025		REMNDS of F5 B122135
132	↓ -04RE1	0.050		↓
133	B122135-PS1	↓		NATIVE: 1245015-04RE1 + 6000 (6000 uL of 10ng/ml)
134	SEQ-CCV	↓		10ng/ml
135	SEQ-CCB	—		
 <div data-bbox="357 1218 535 1344" data-label="Text"> <p>MCH 12.7.12</p> </div> 				

Comments: _____

Brooks Rand Labs

THg Biota Prep Benchsheet

SOP / Revision #: BR-0002 Rev 0100

Prepped By: AAP

Batch: B122171

Preparation Start Date/Time*: 12-5-12/0938

Preparation End Date/Time**: 12-6-12/10:55

* Time is when the first reagents are added.

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

Sample ID	Sample Mass (g)
1245005-01	0.967
1245005-02	1.119
1245005-03	1.031
1245005-04	1.096
1245005-05	1.039
1245005-06	1.002
1245005-07	1.116
1245005-08	1.052
1246025-04	1.066
1246025-05	1.004
1246025-06	1.002
B122171-BLK1	—
B122171-BLK2	—
B122171-BLK3	—
B122171-BLK4	—
B122171-DUP1	1.110
B122171-DUP2	0.991

Sample ID	Sample Mass (g)
B122171-MS1	1.067 ^{12-5-12 AAP}
B122171-MS2	0.936
B122171-MSD1	1.030
B122171-MSD2	0.913
B122171-SRM1	0.230
12-5-12-AAP	

Sample ID	Sample Mass (g)
12-5-12-AAP	

Batch QC ID	Sample Source	Spike vol (uL)	Spike conc (ng/mL)	Spike/CRM ID	Spike Wit-ness
DUP/MS/MSD1	05-03	200	1000	1228097	12-5-12 AAP
DUP/MS/MSD2	25-05	1000	1000	↓	↓
SRM1	DORM-3	—	—	1219051	—
12-5-12-AAP					

Target Temp/Time 1: 70 C/1 hour

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

Temp/Time 1 (measured / corrected): 70 / 69.5 / 0945

Temp/Time 2 (measured / corrected): 92 / 91.6 / 1/20

Balance ID: BL-06

Thermometer ID: 009609

Final Dilution Vol: 40 uL

Reagent	ID
7 mL HNO ₃	1237100
3 mL H ₂ SO ₄	1239020
0.5 mL BrCl	1245001

Comments:

Peak Report

Batch Number: B122213, 2171, 2179, 2277, 2134, 2135

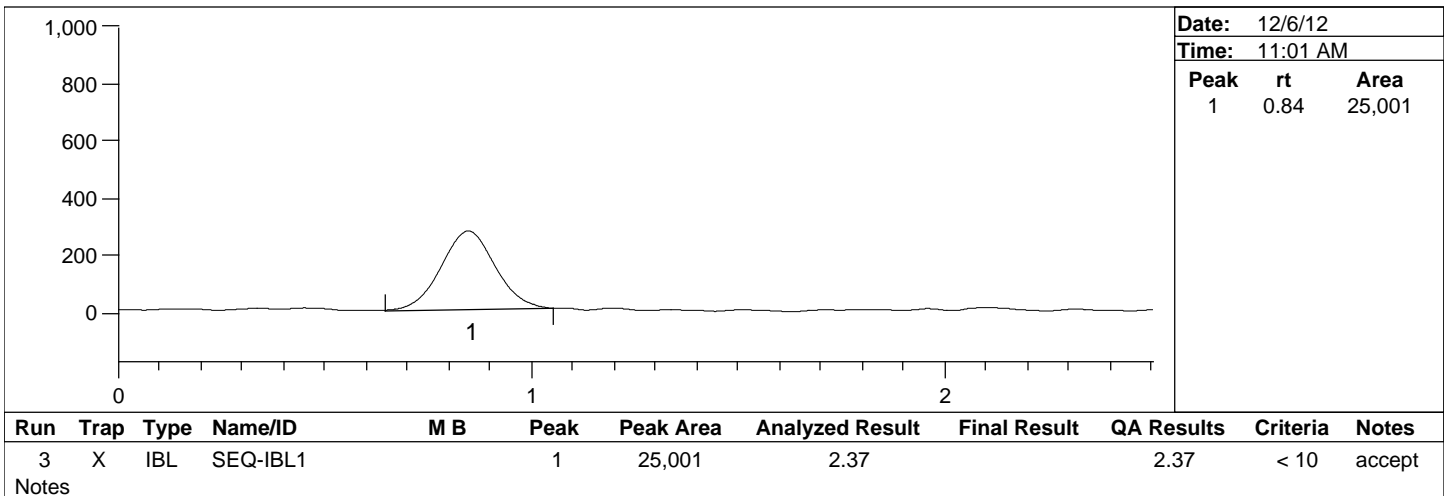
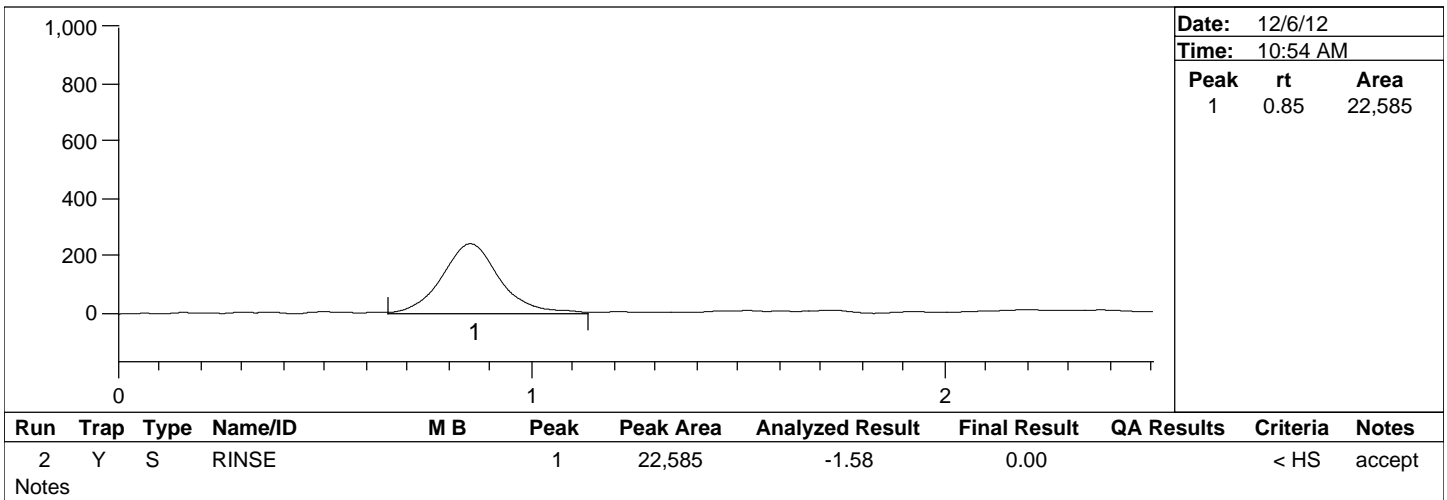
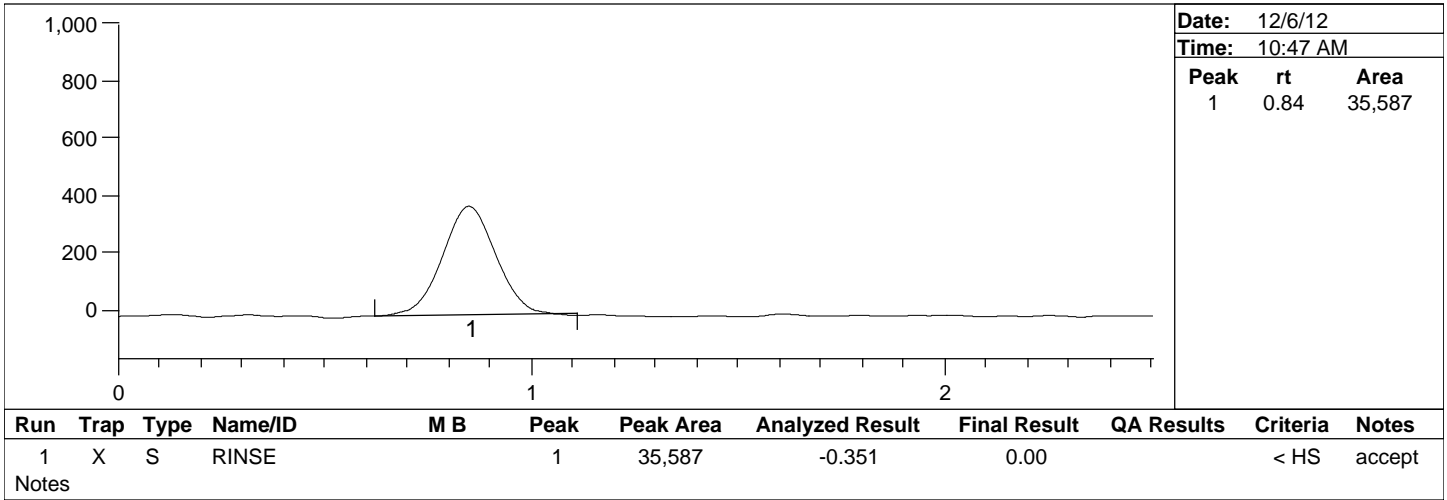
Method Number: CVAFS BR-0006

Project Number(s): 1200906

Instrument ID: THG-06

Date Analyzed: 12/6/12

Analyst Name: MLH



Peak Report

Batch Number: B122213, 2171, 2179, 2277, 2134, 2135

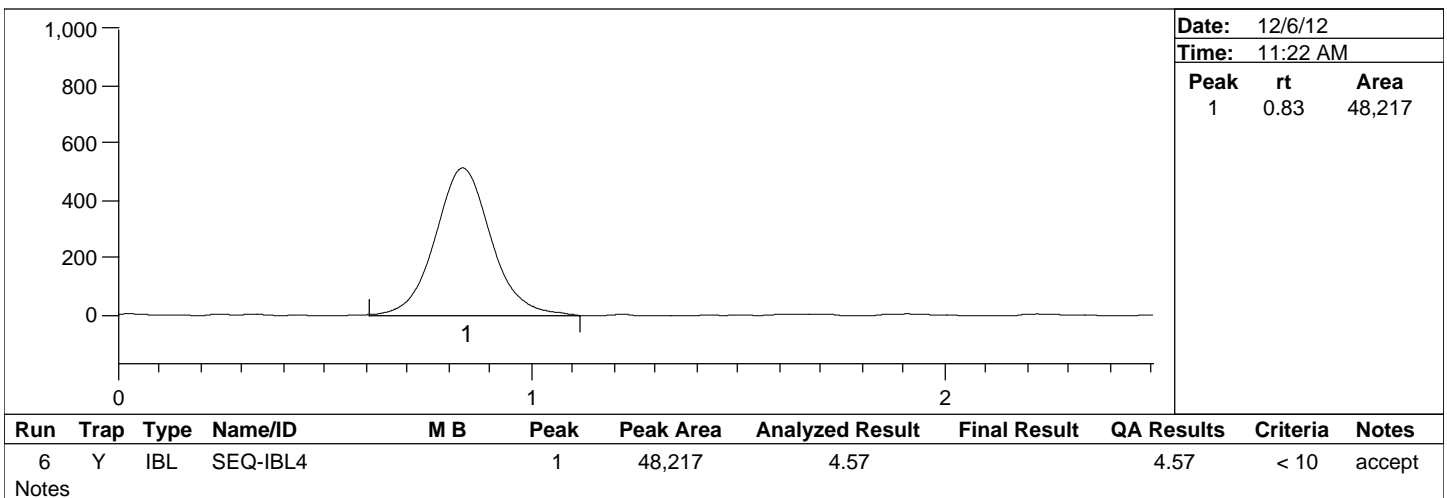
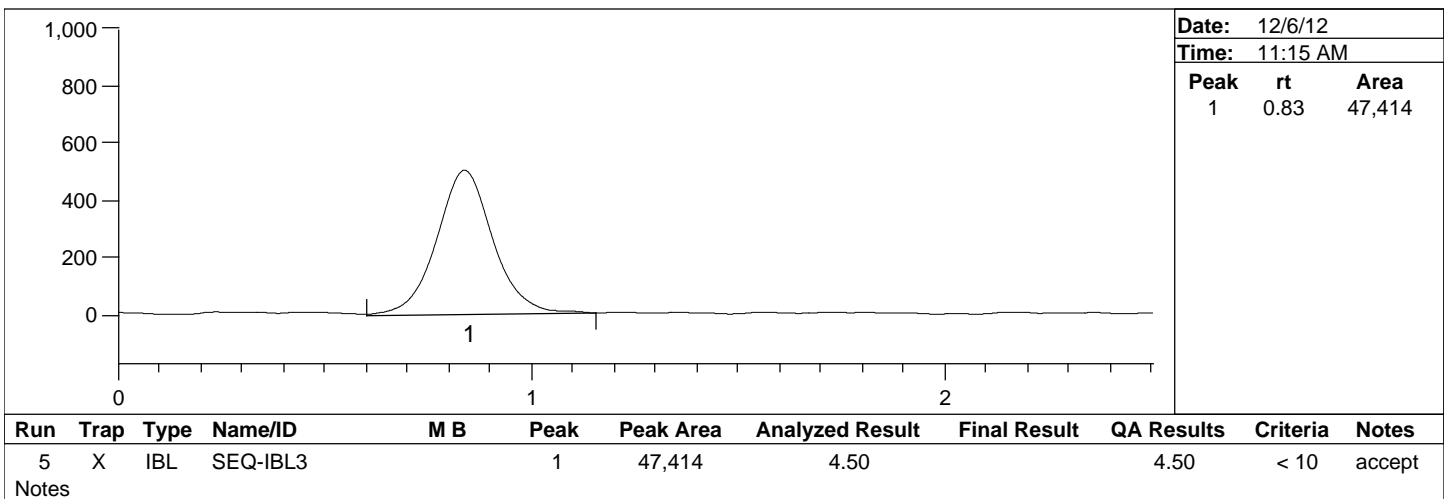
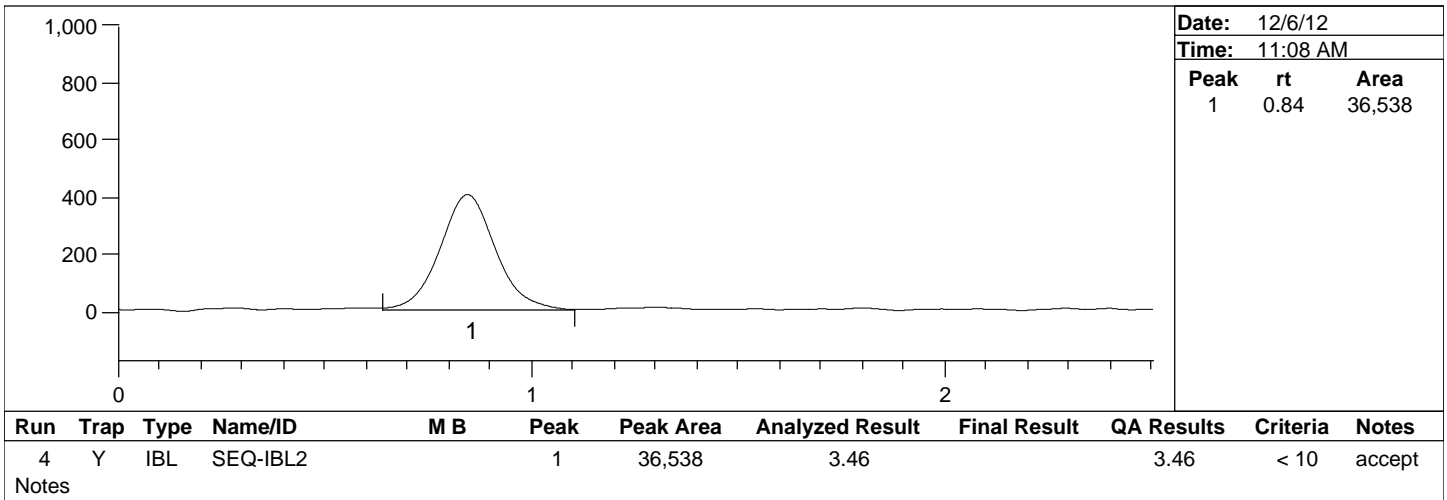
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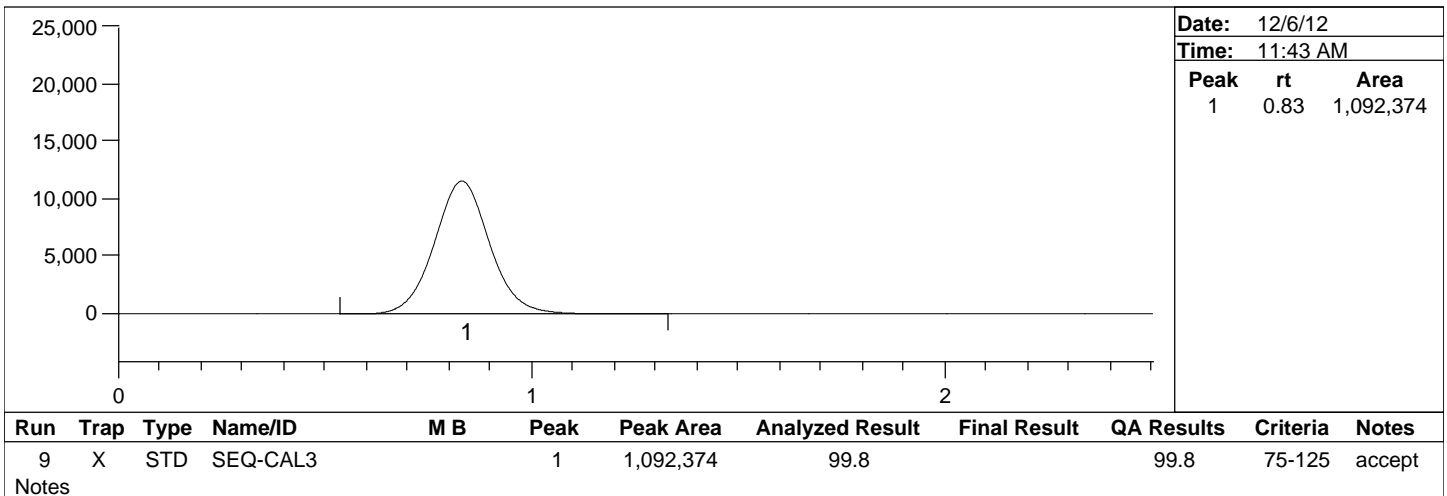
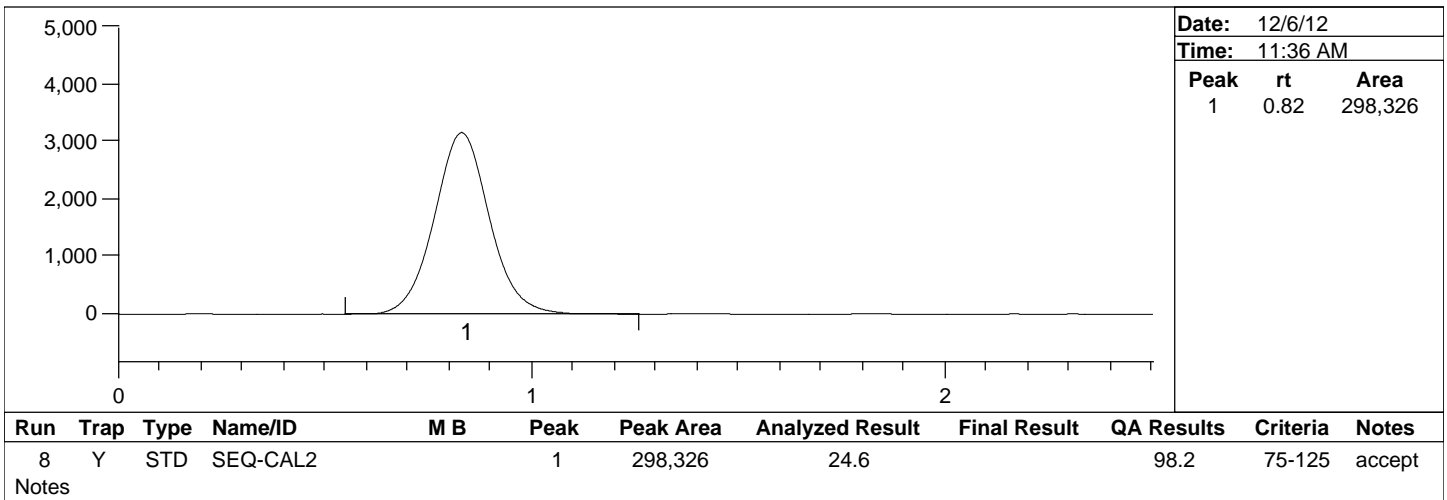
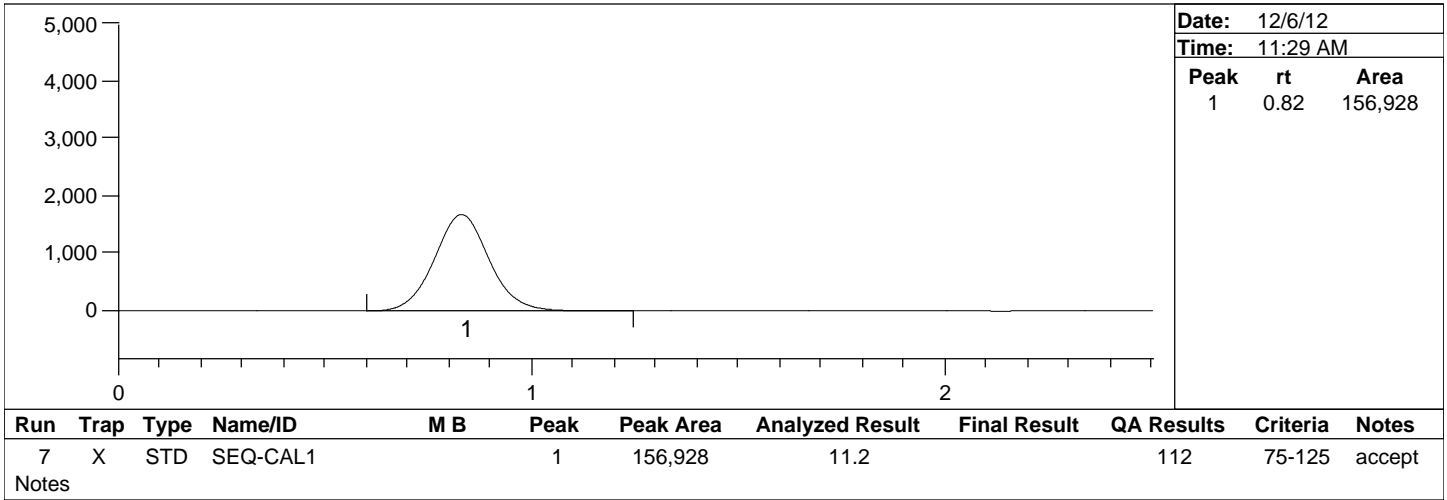
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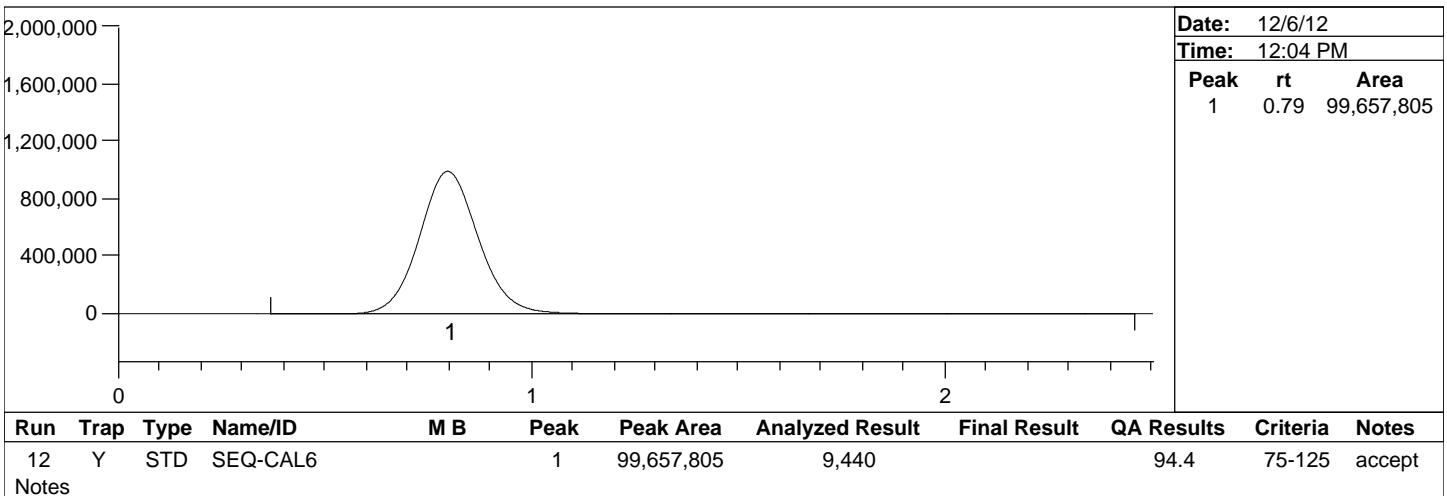
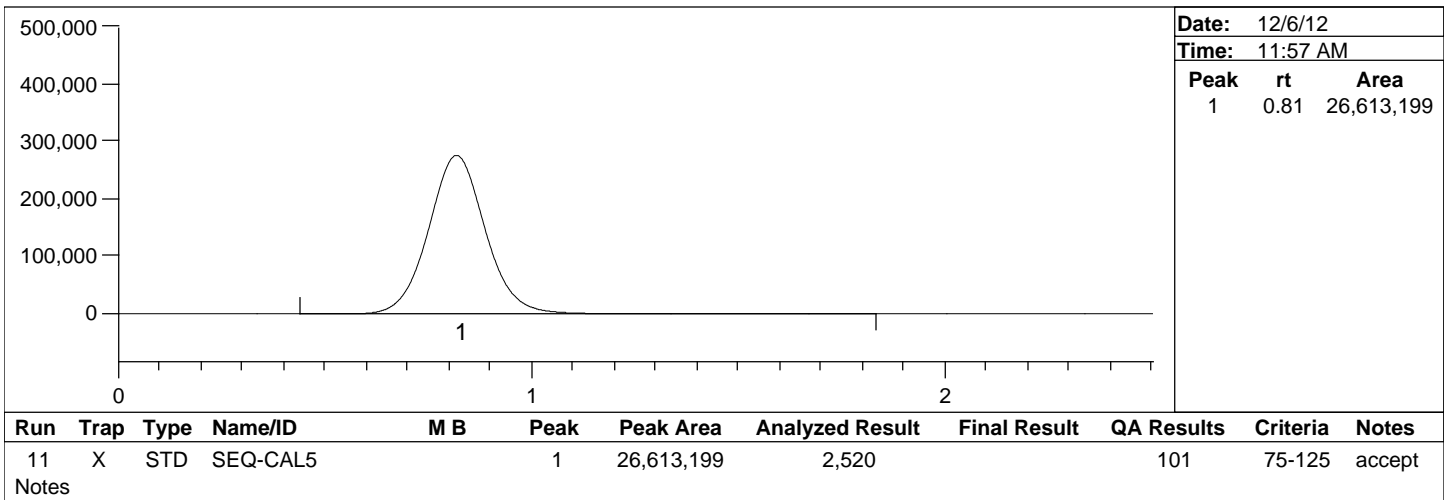
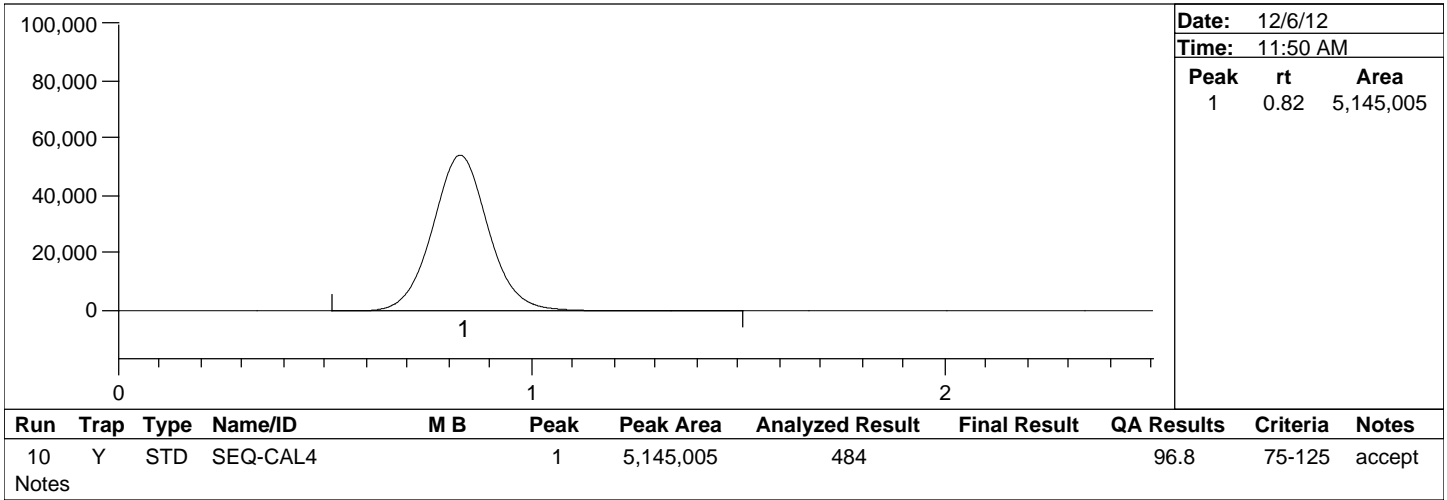
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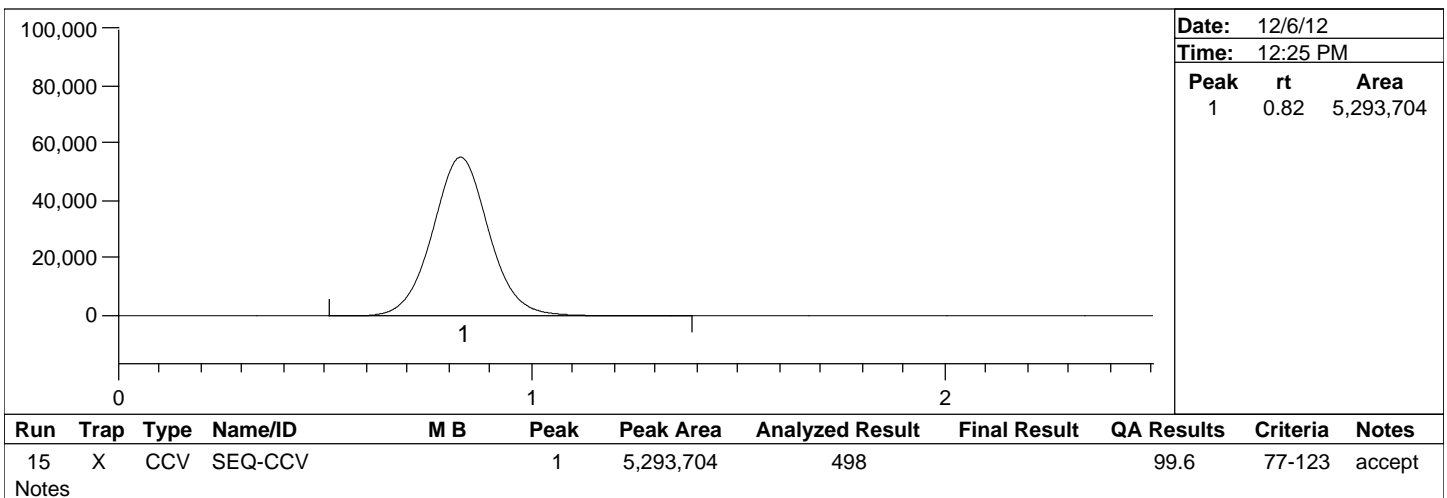
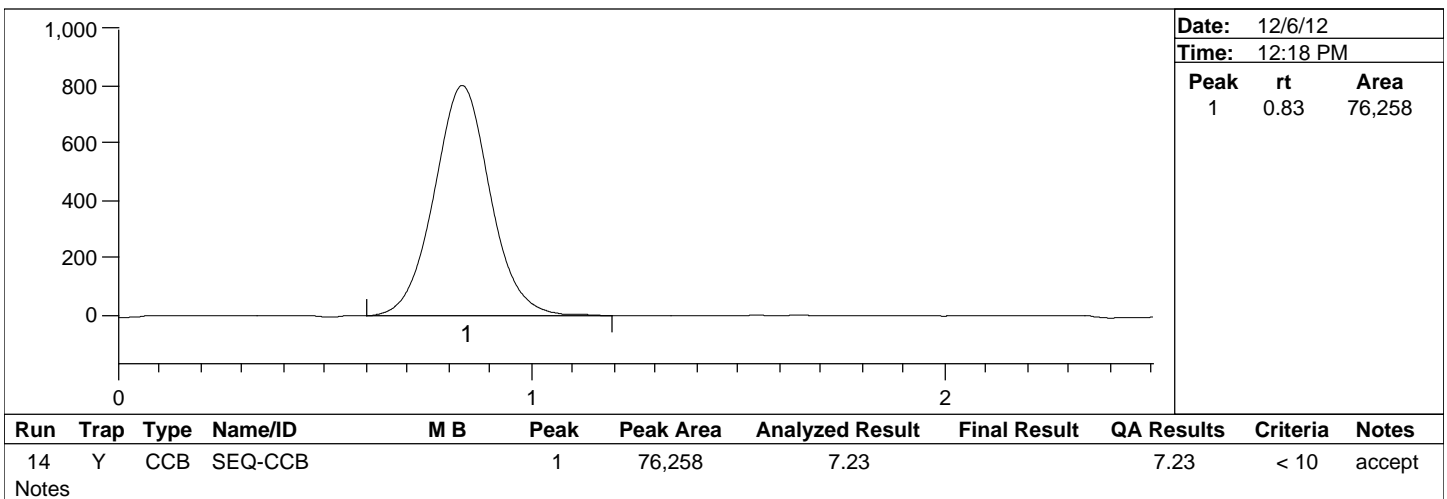
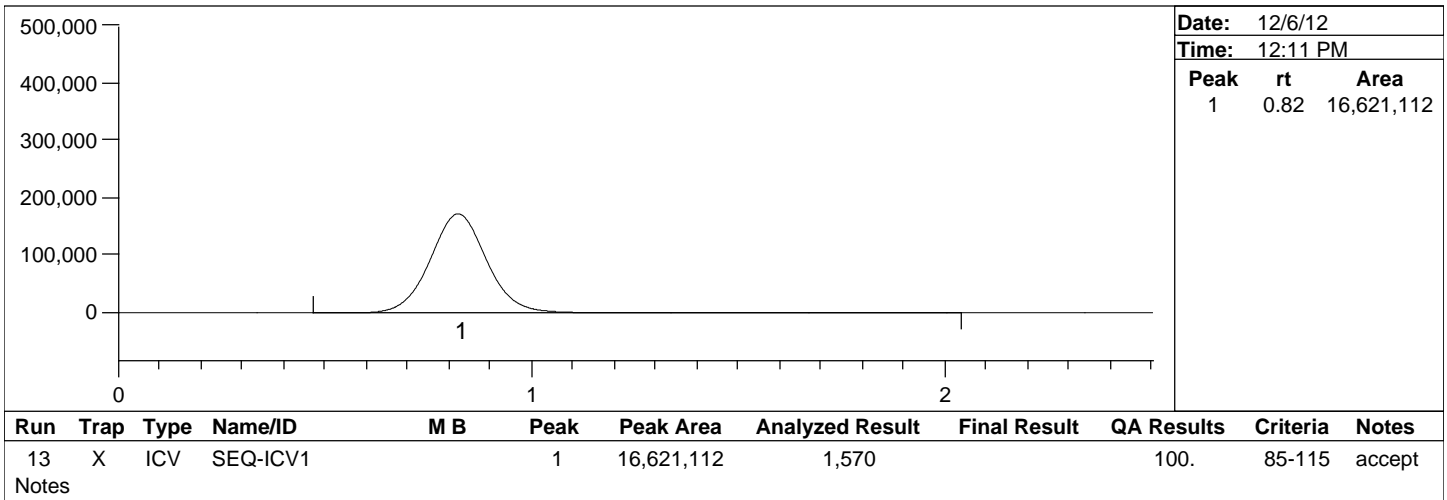
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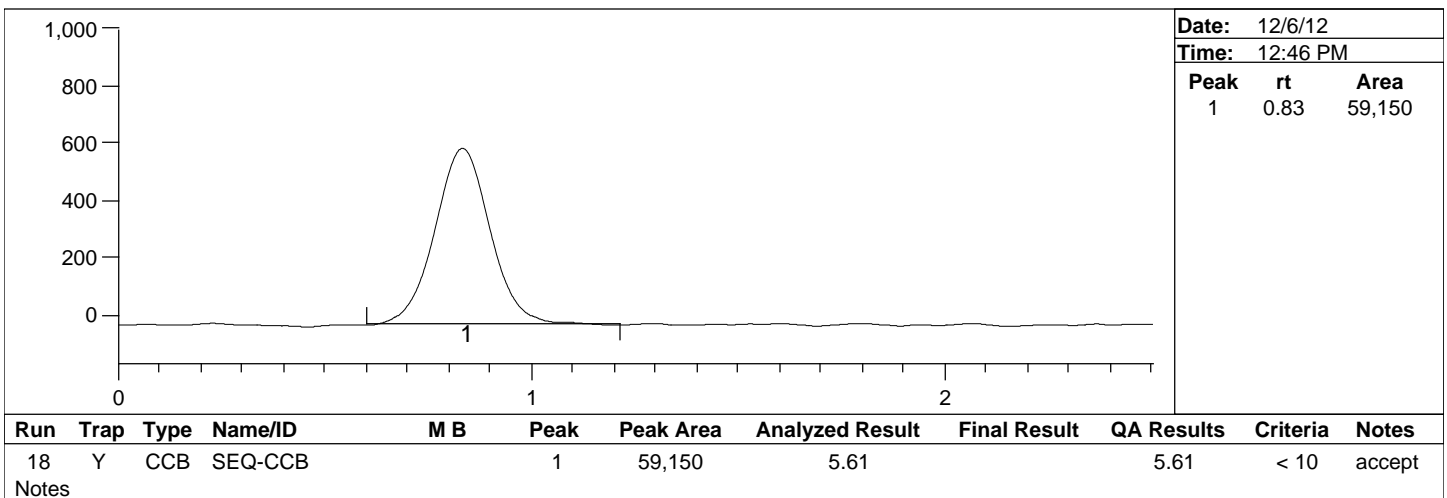
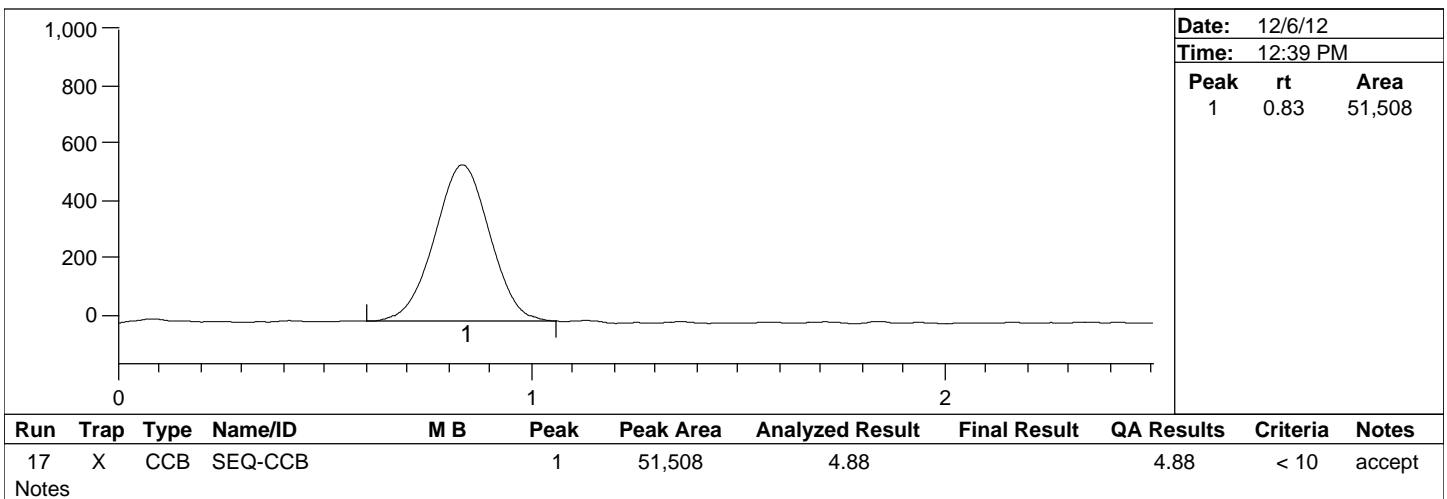
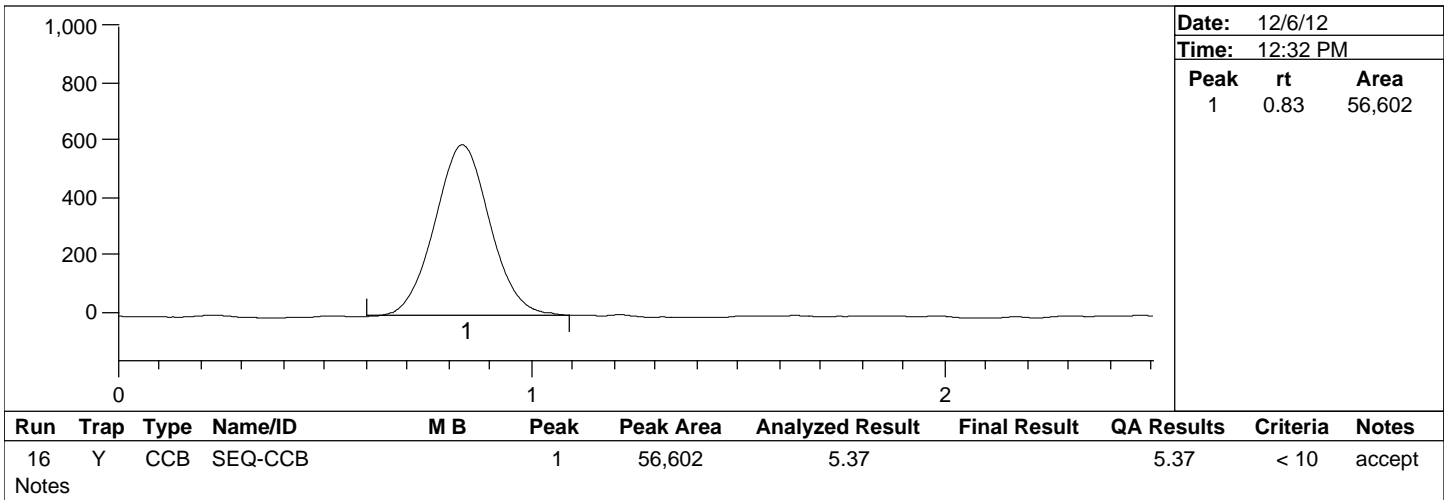
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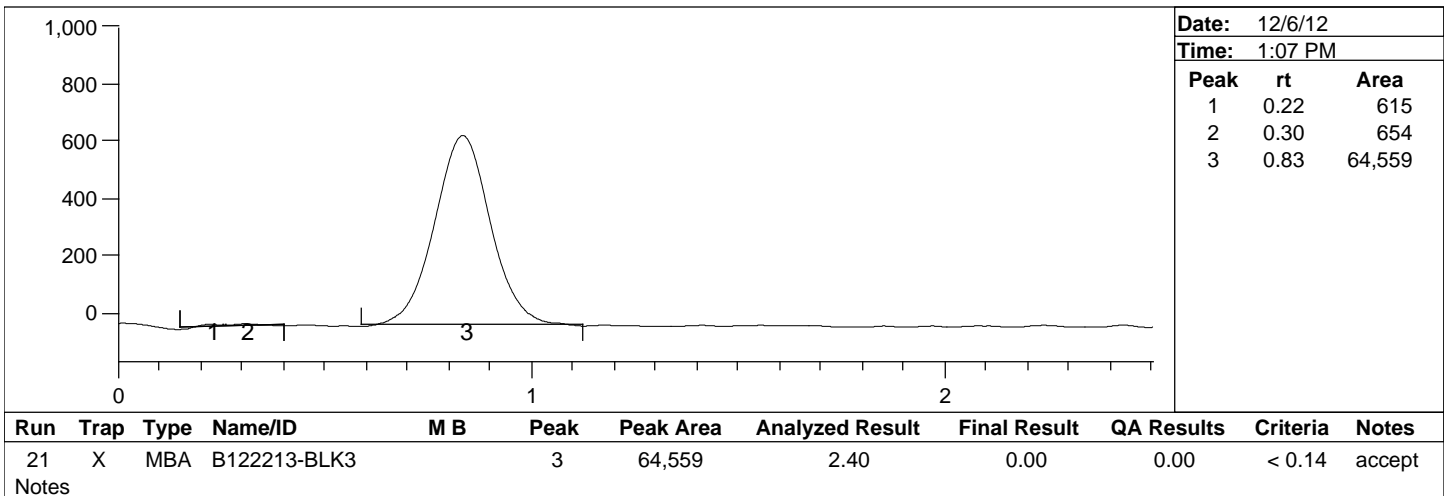
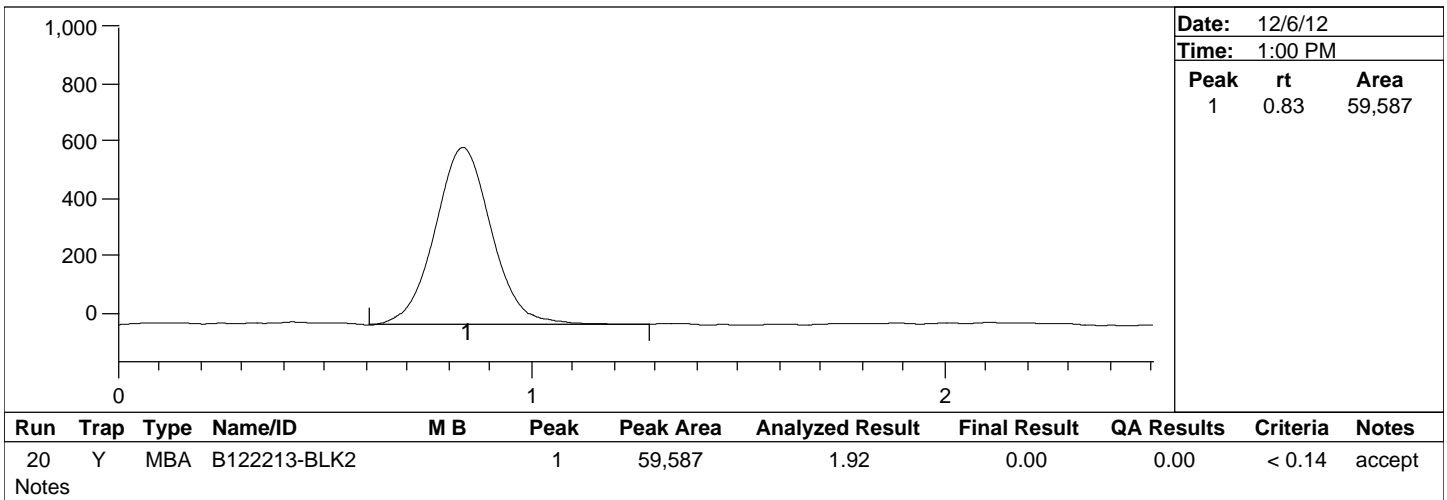
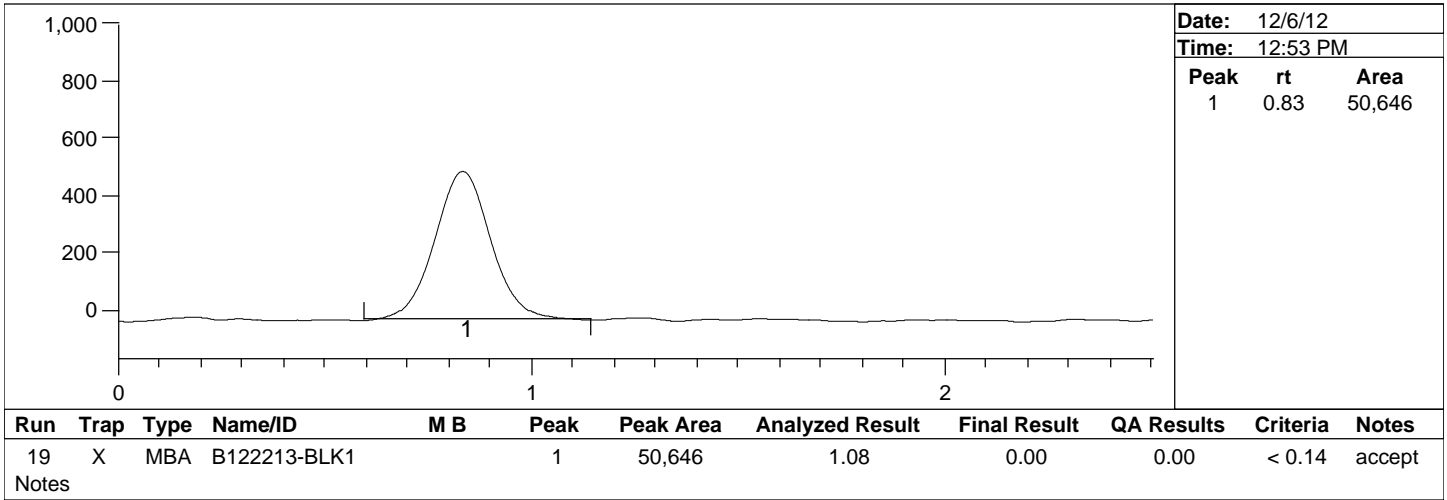
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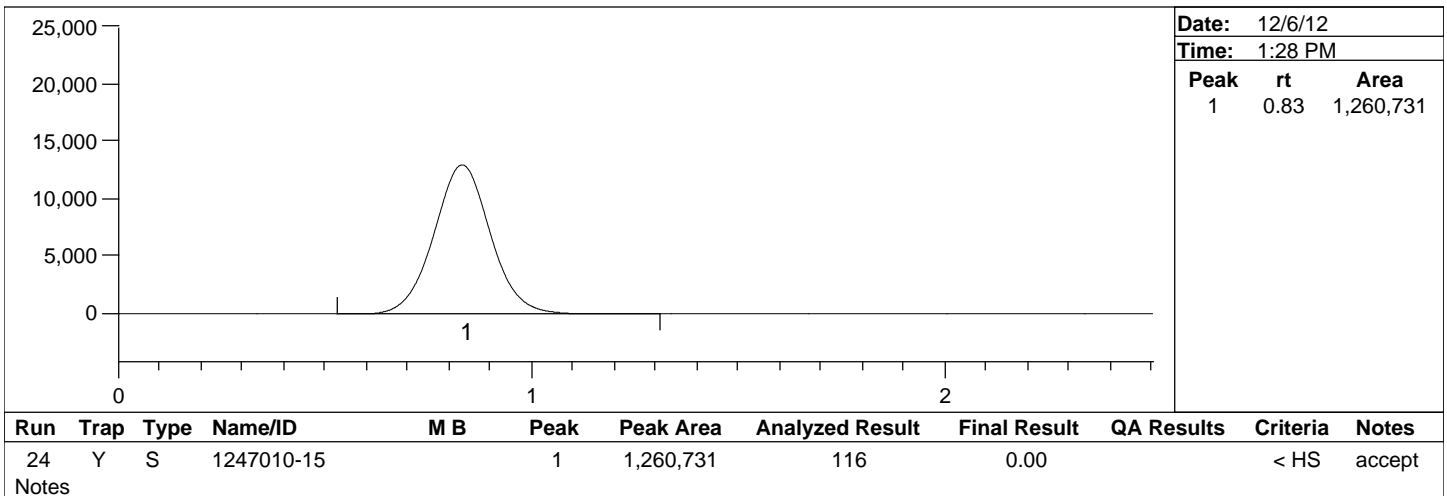
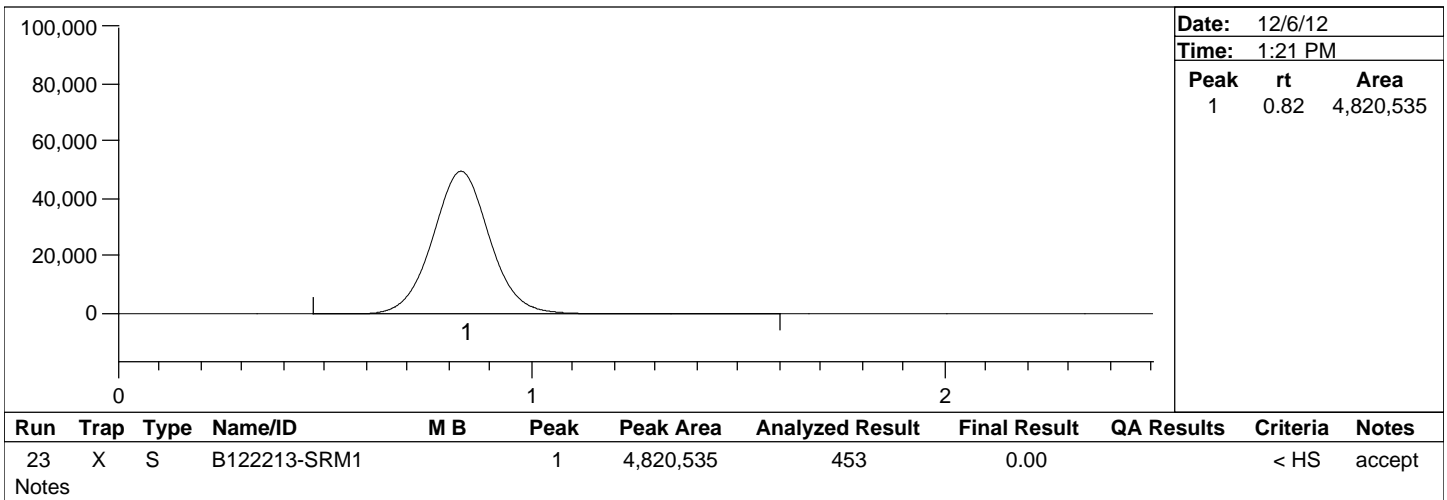
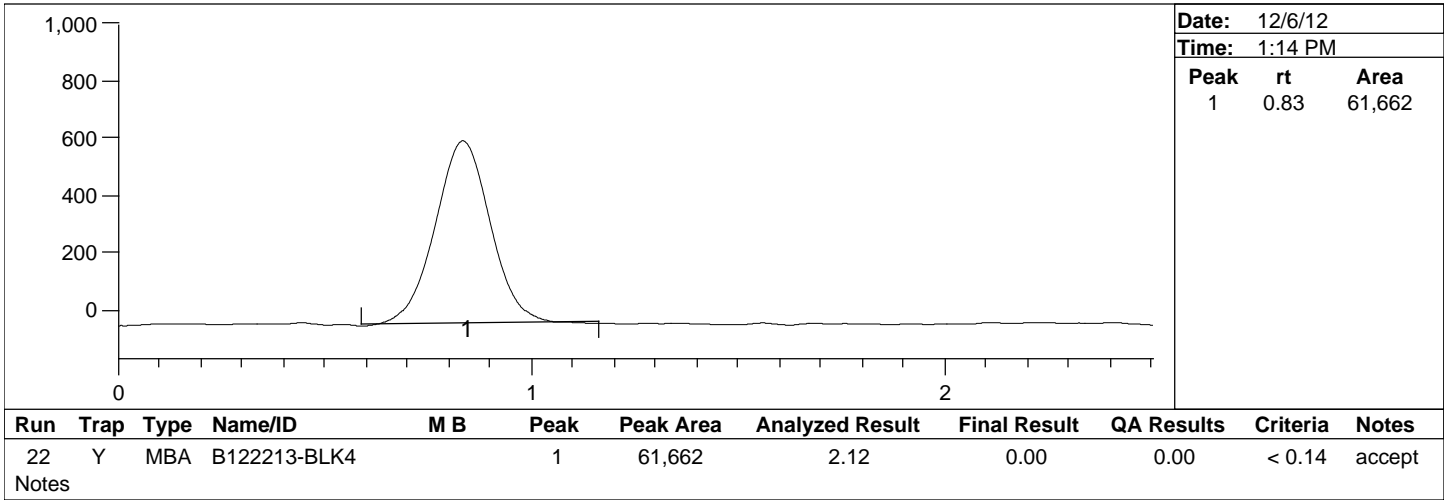
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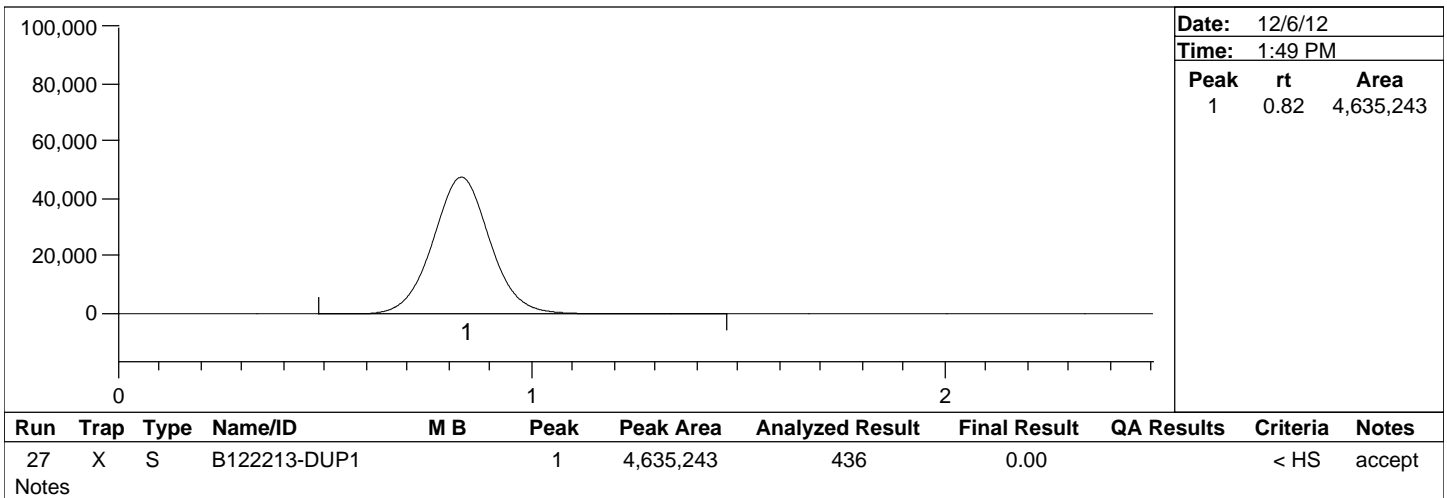
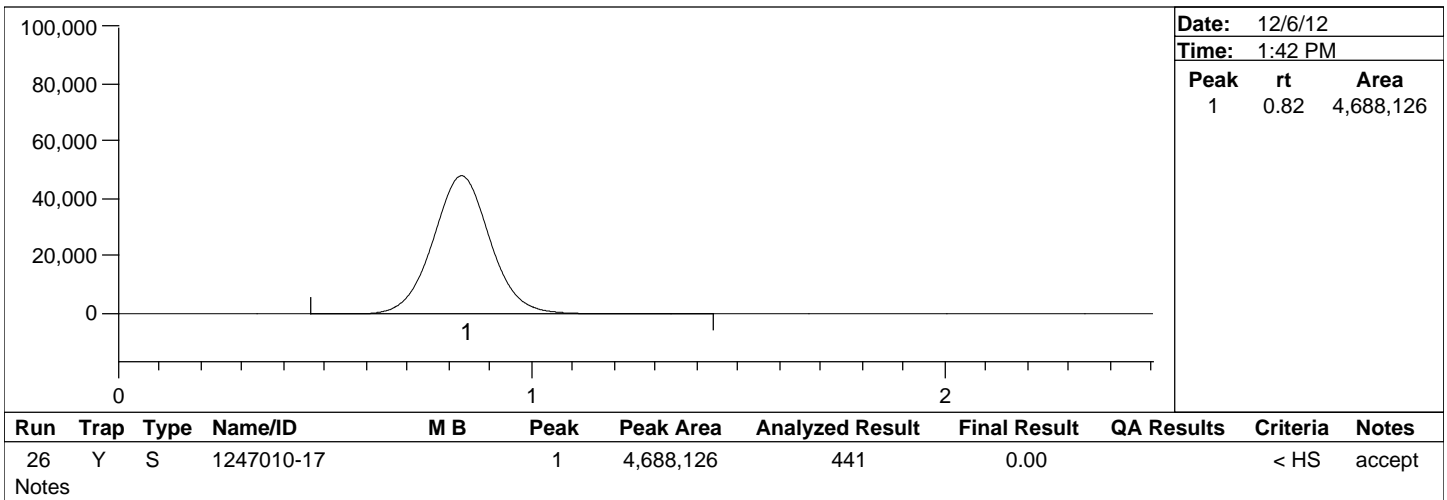
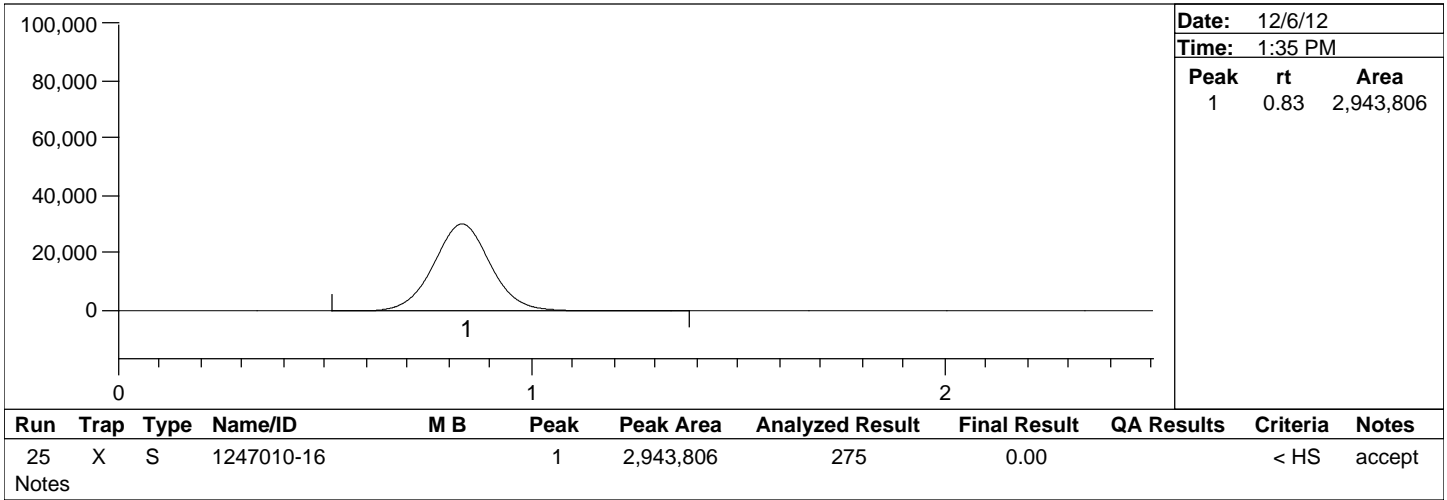
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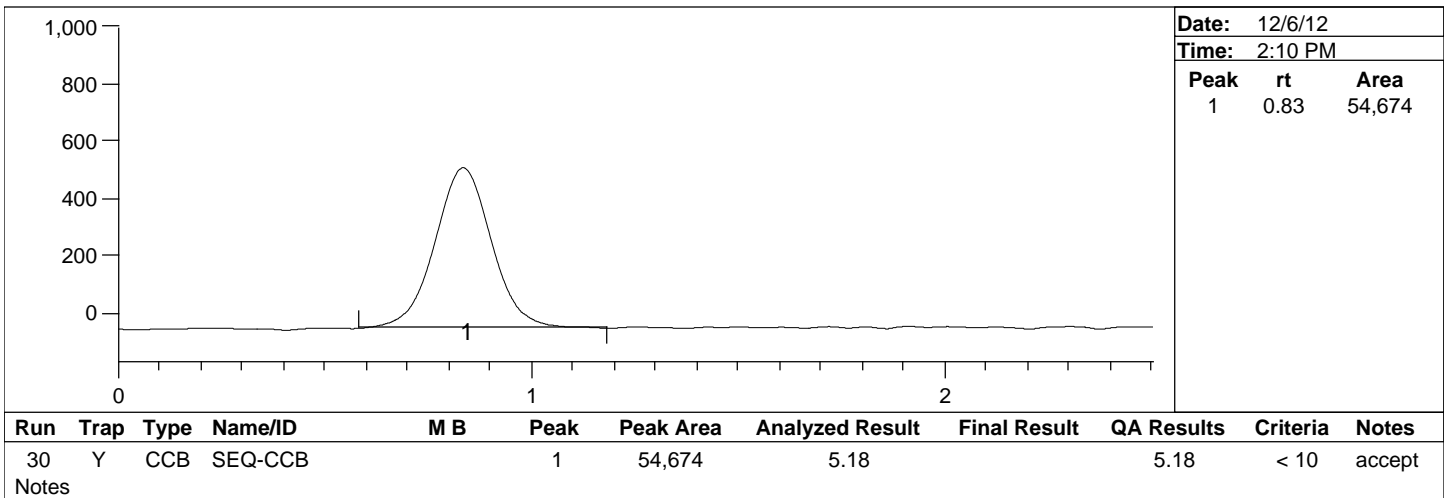
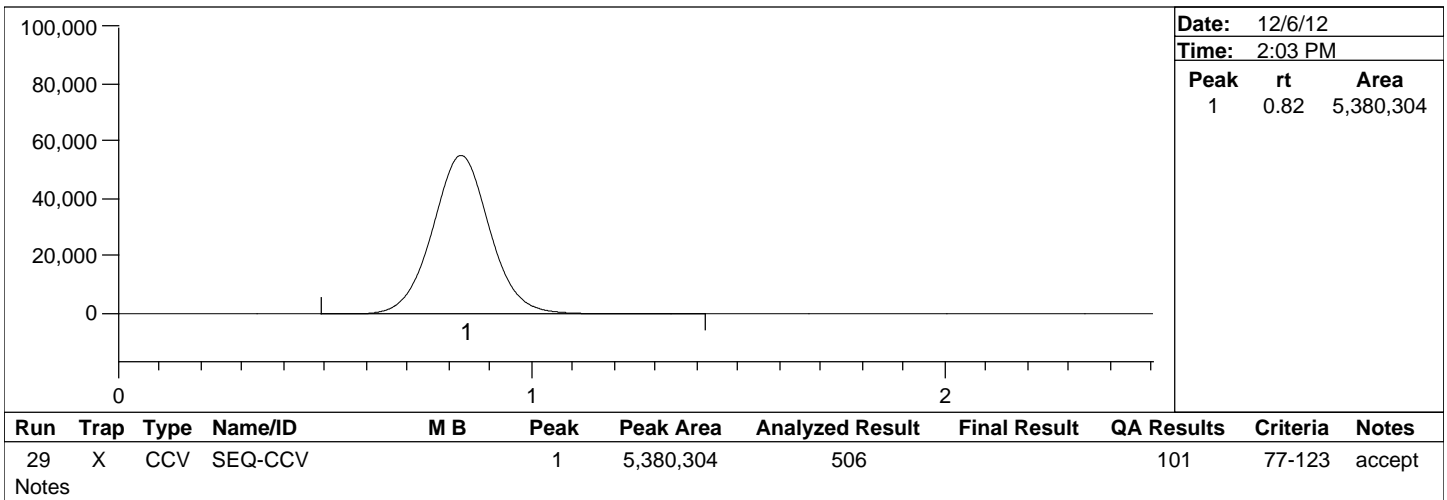
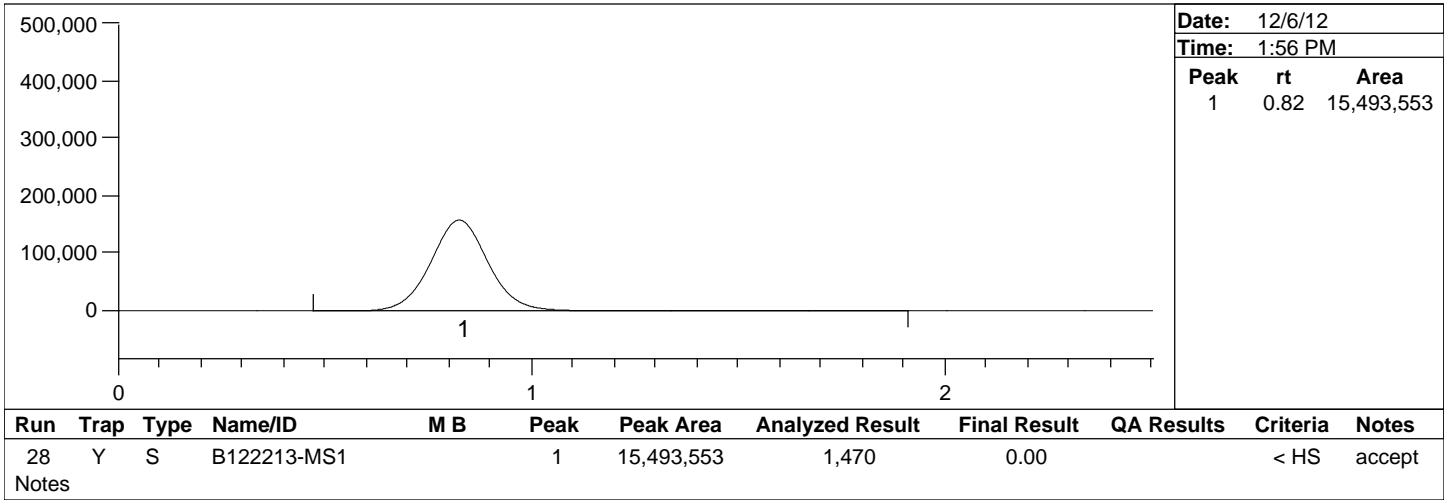
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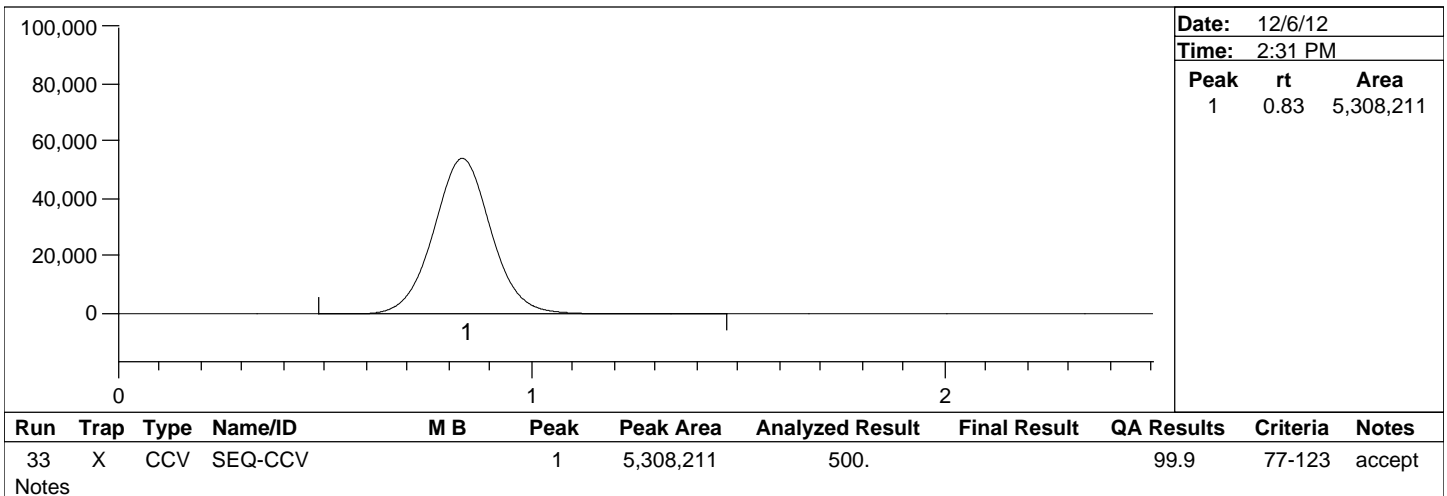
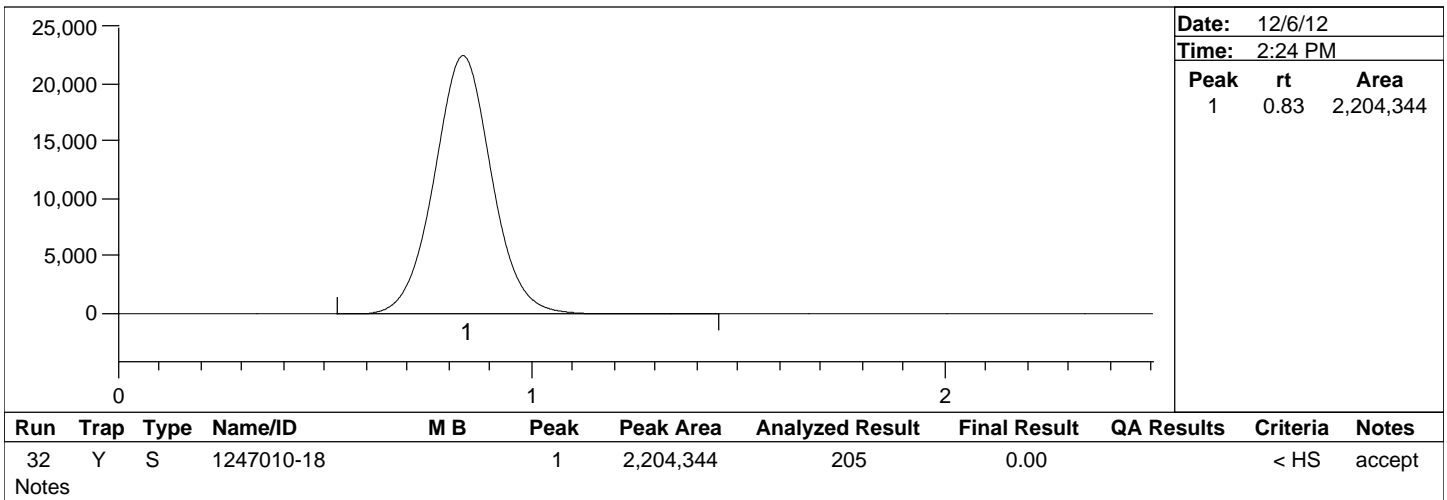
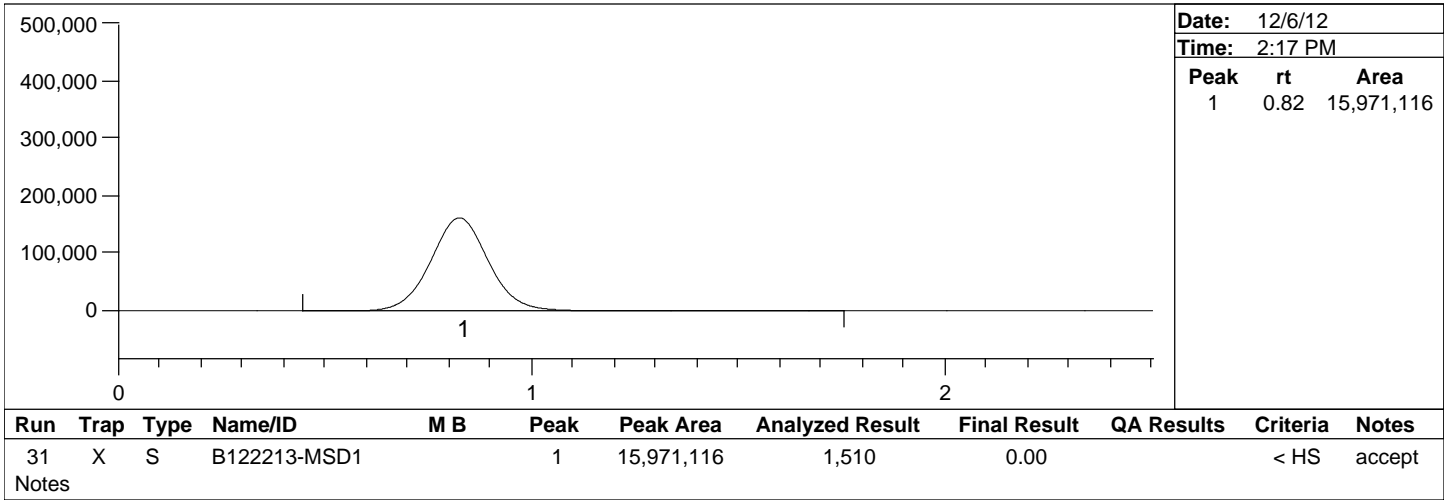
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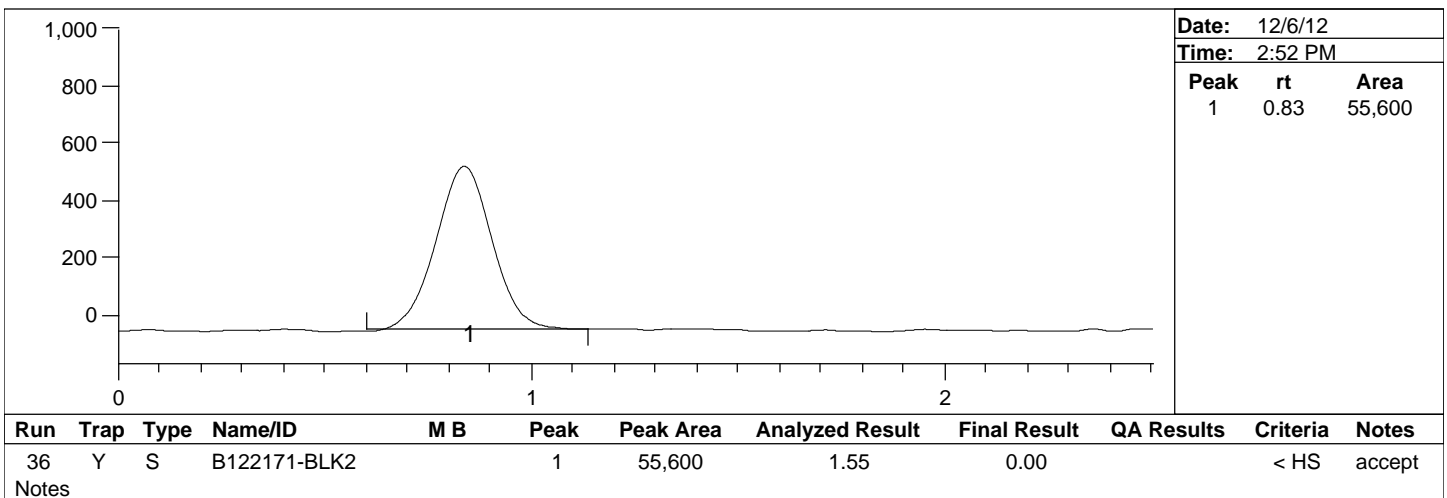
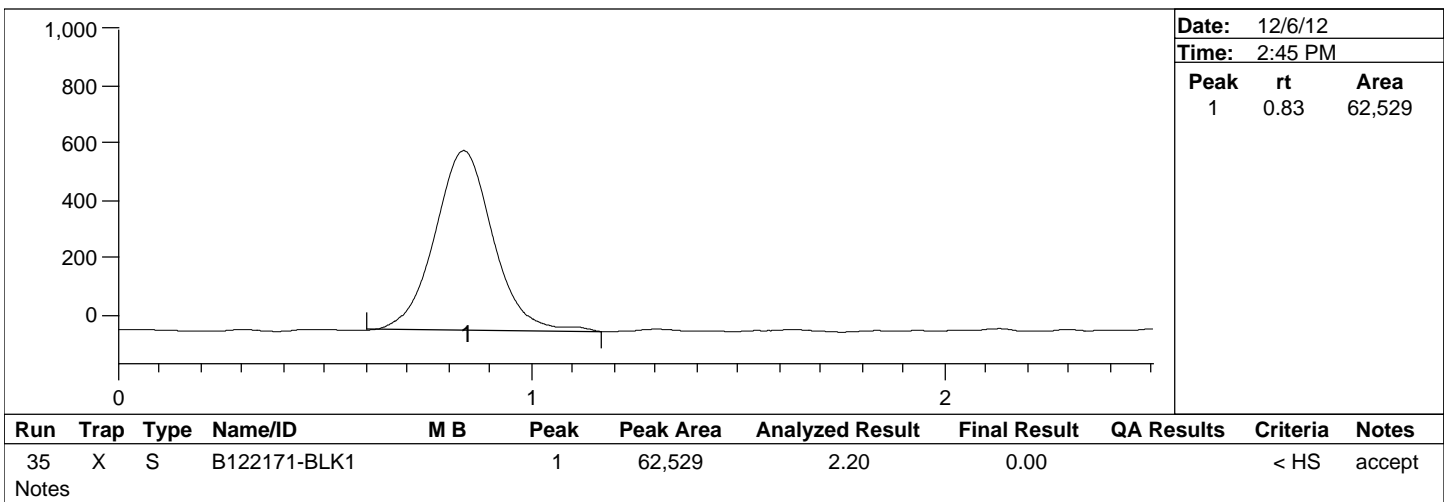
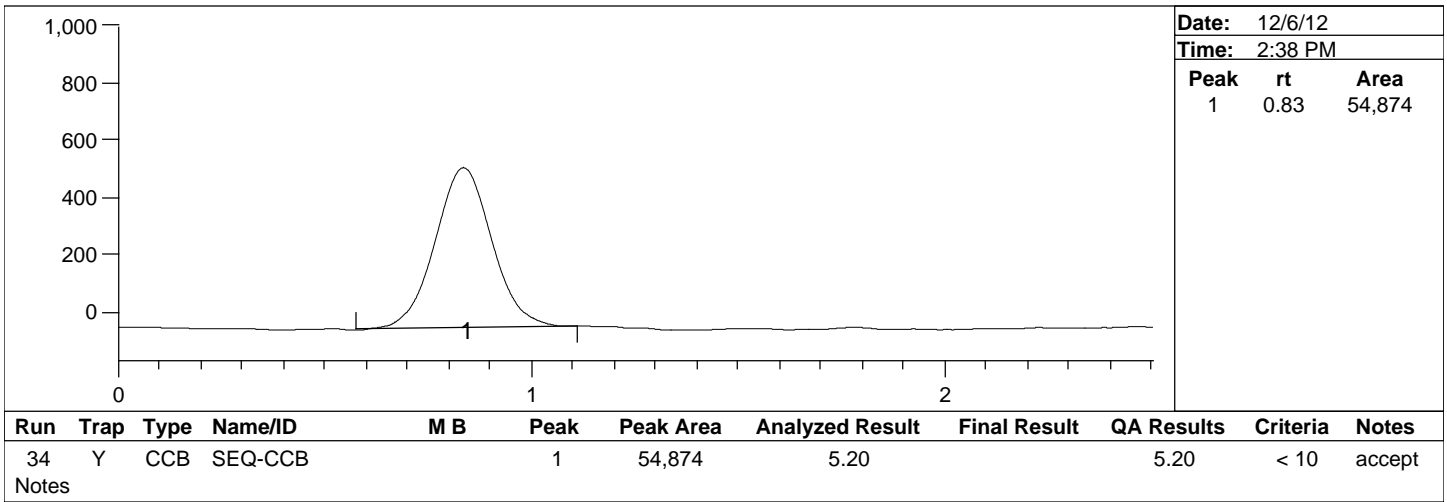
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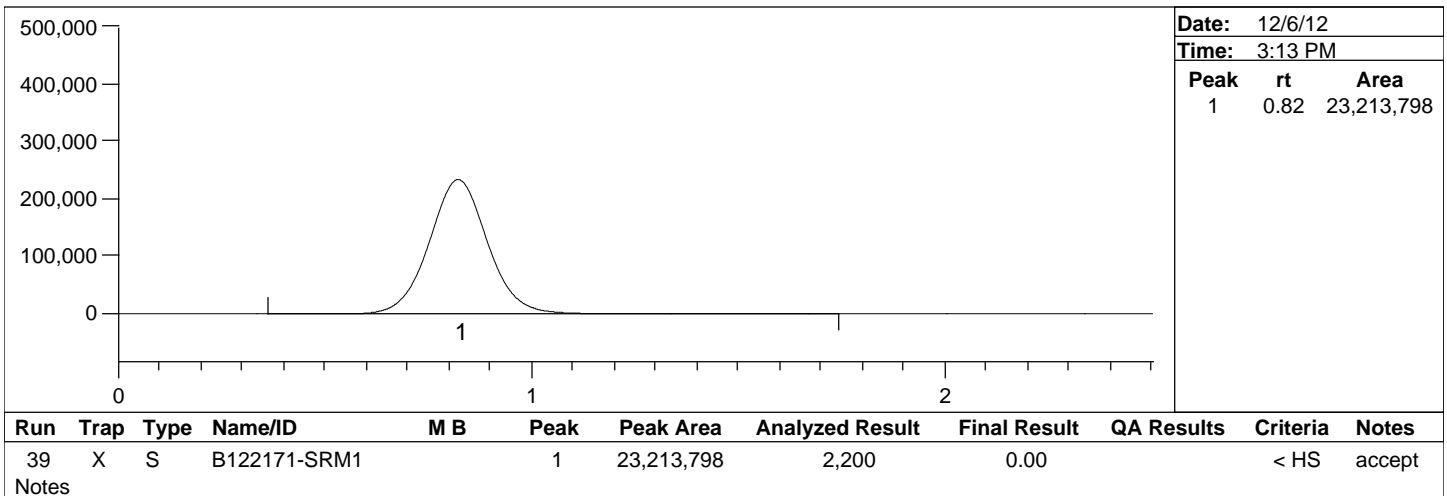
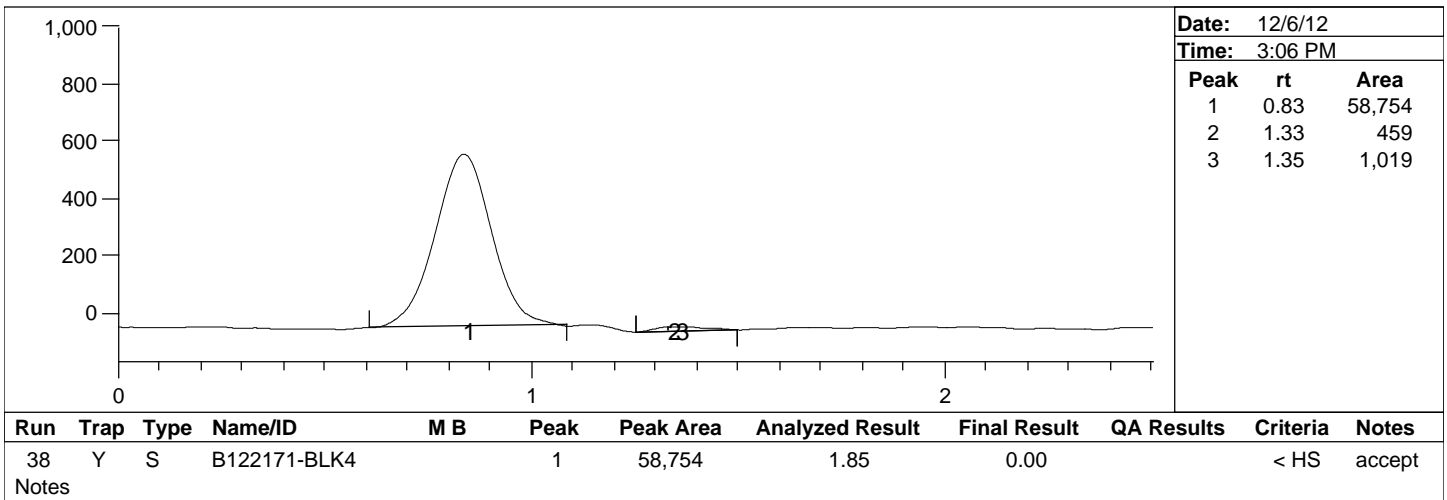
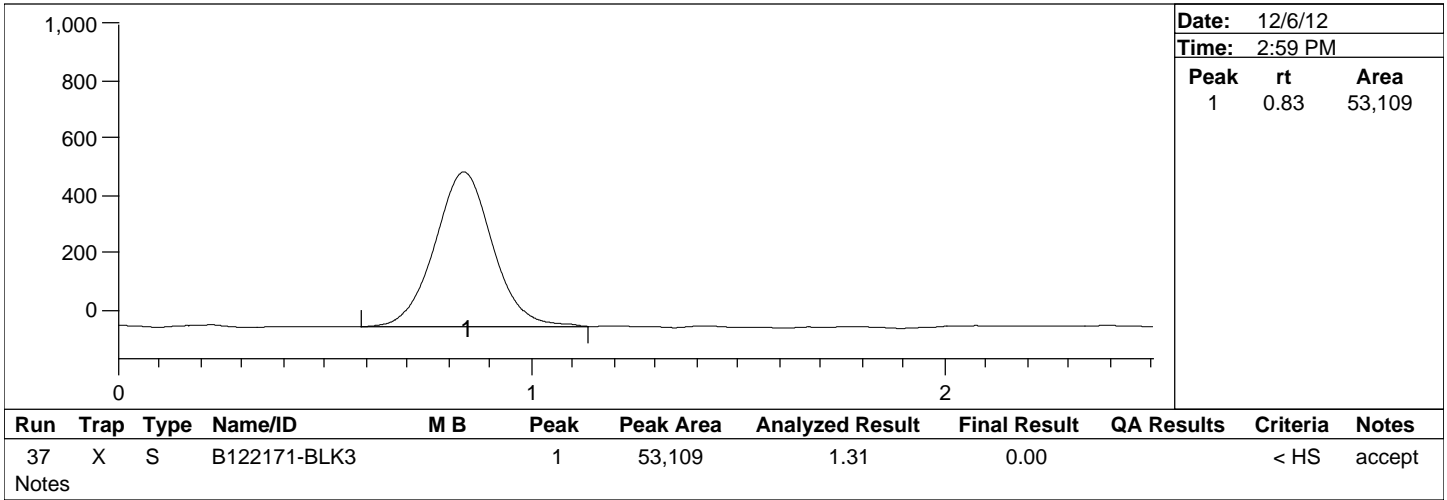
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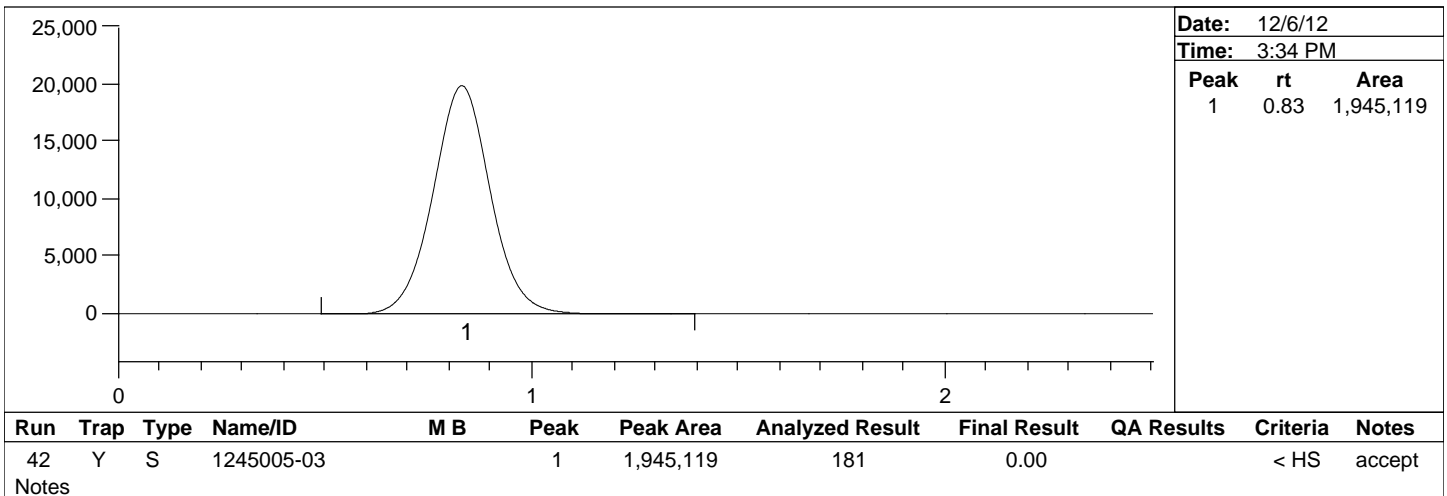
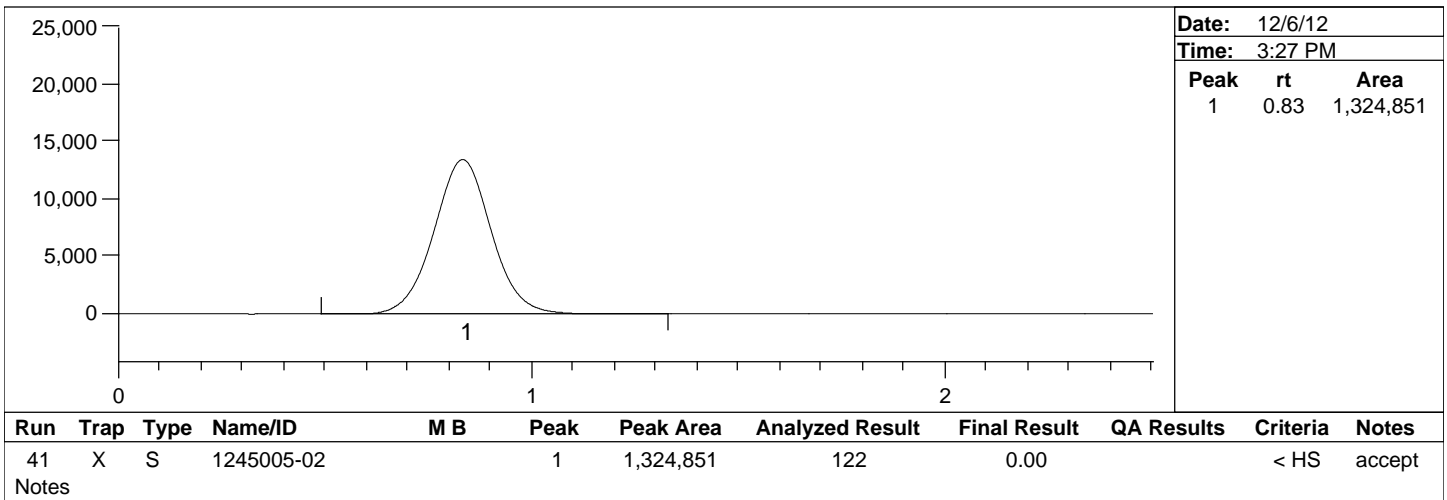
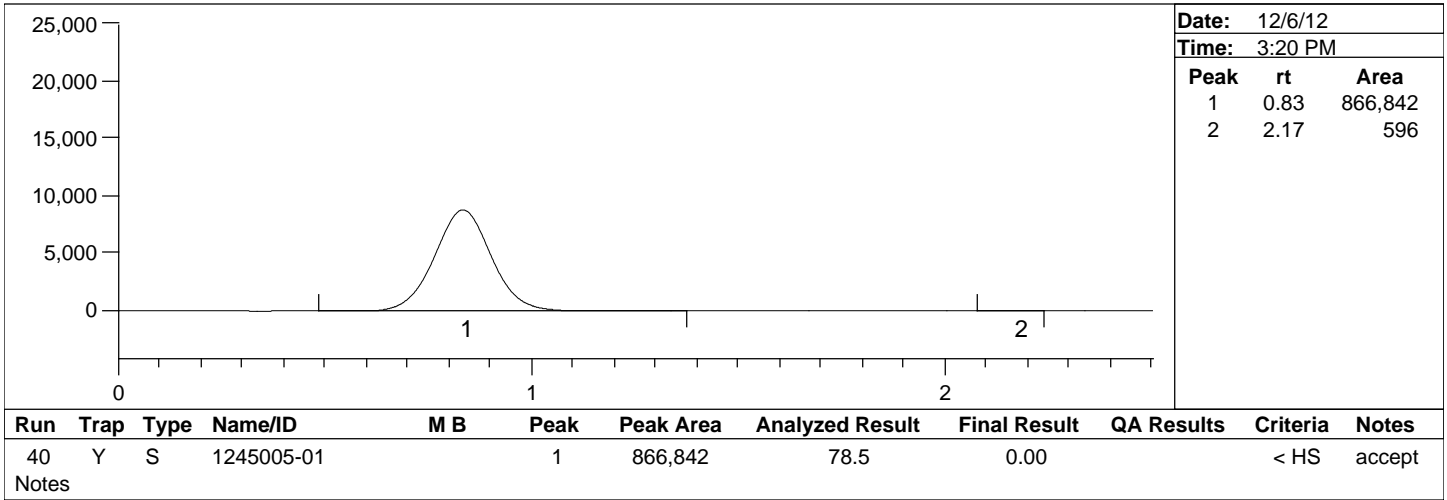
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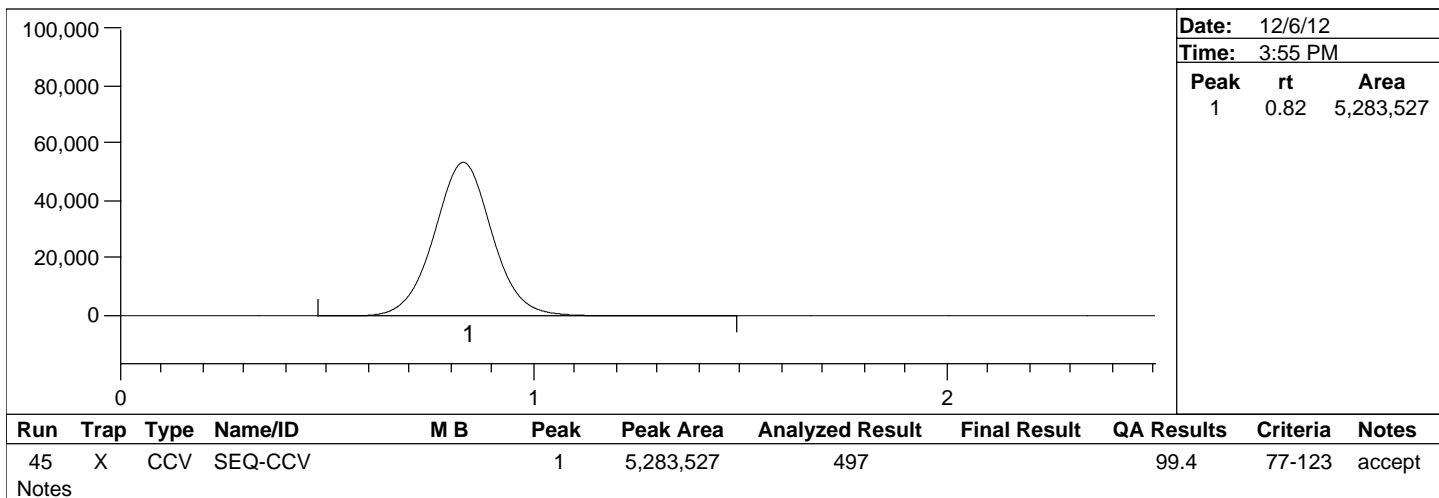
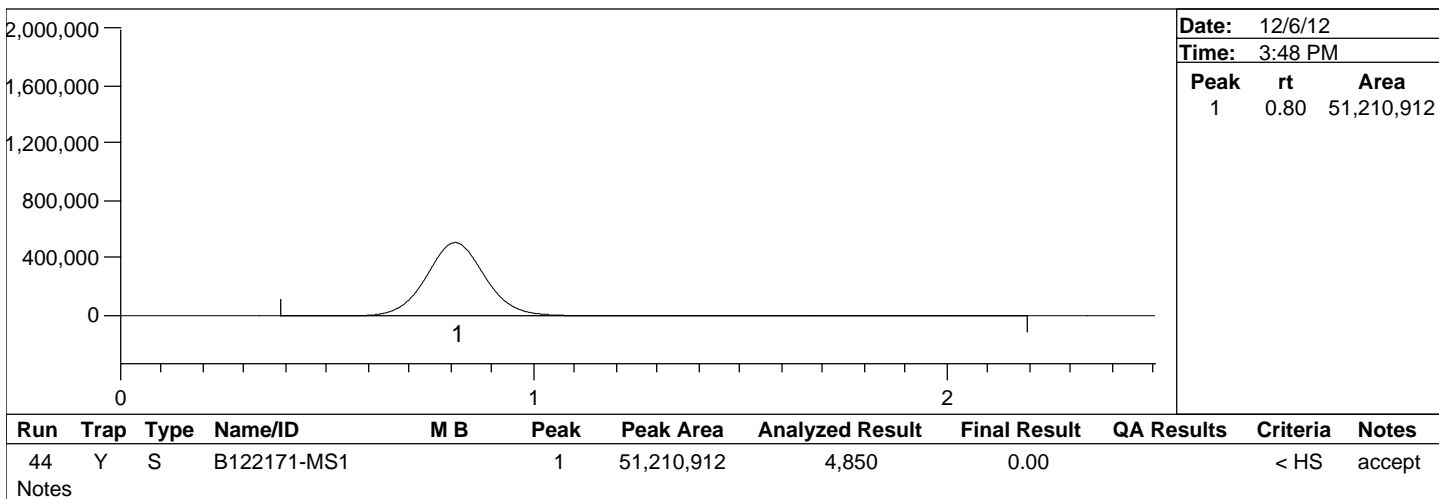
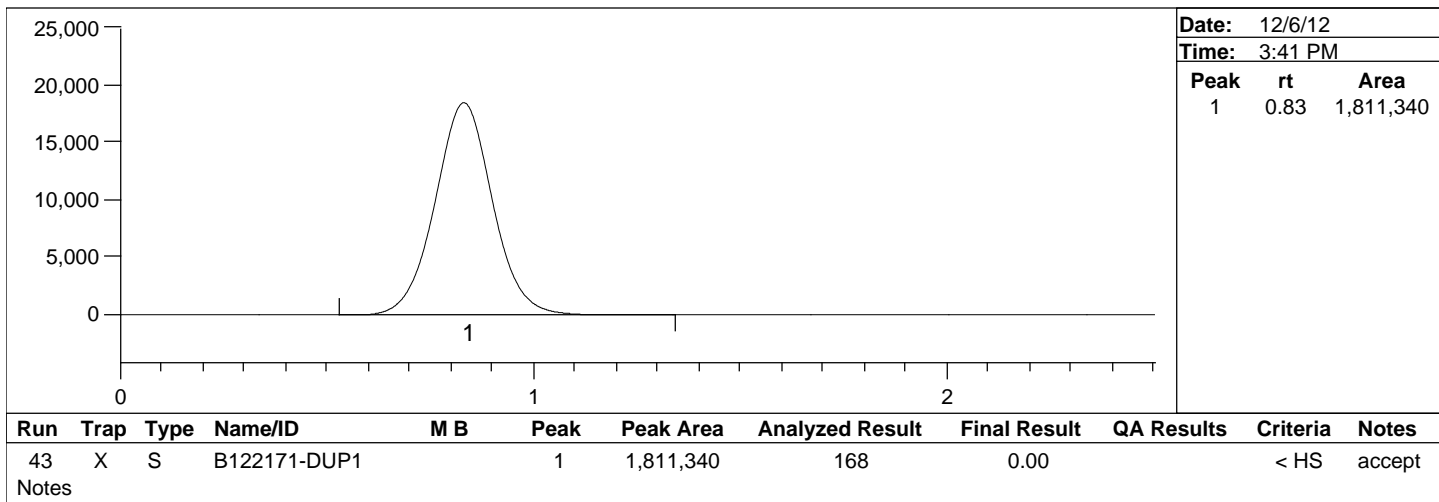
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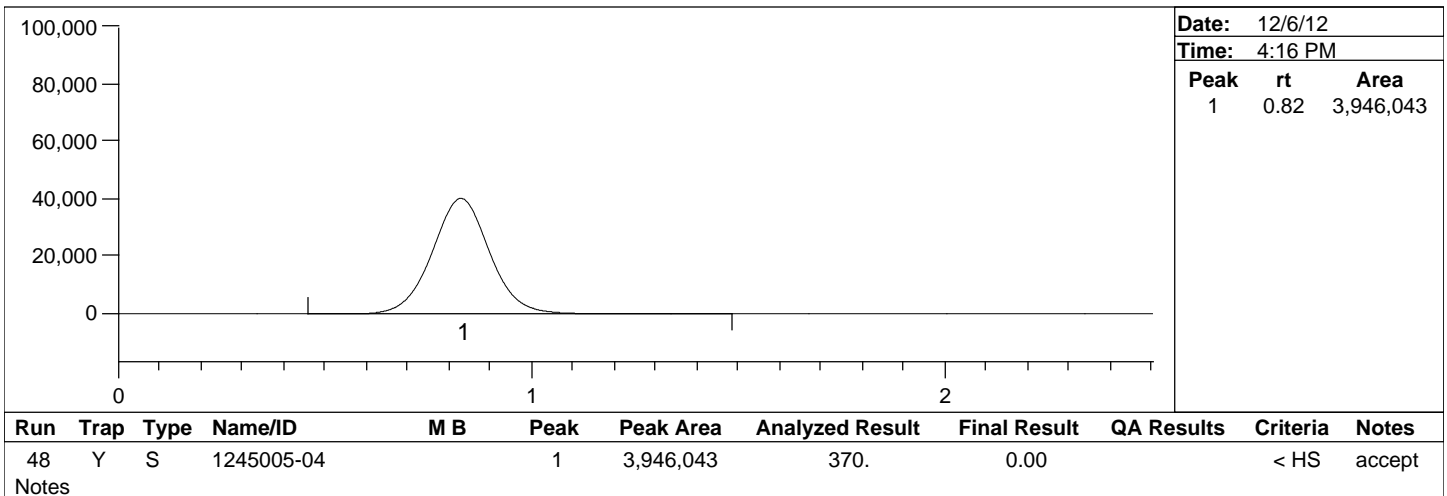
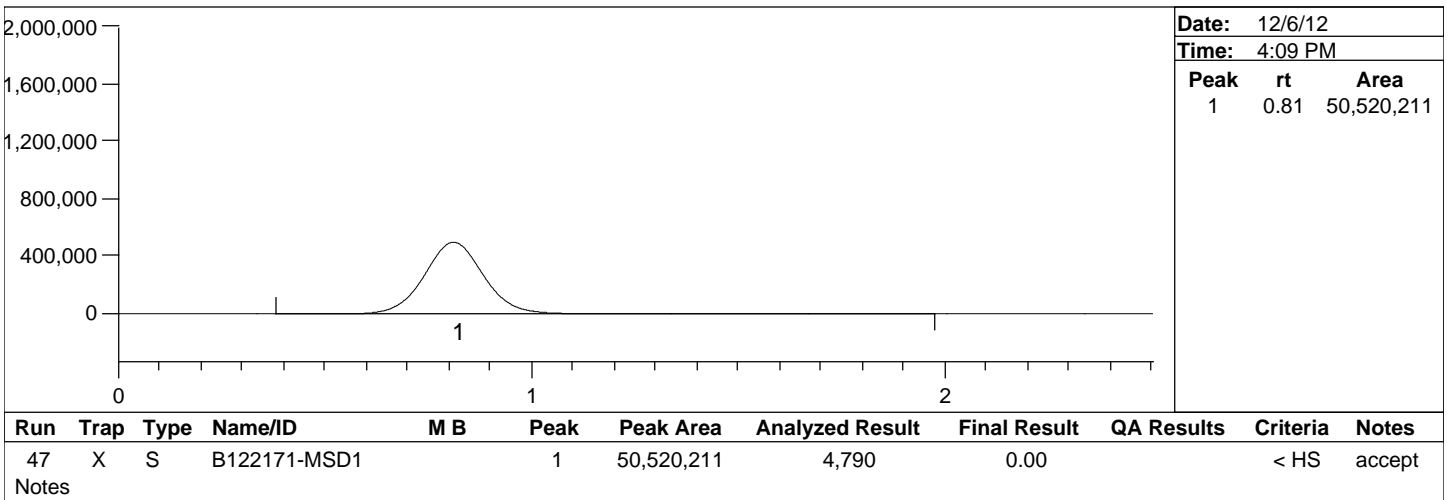
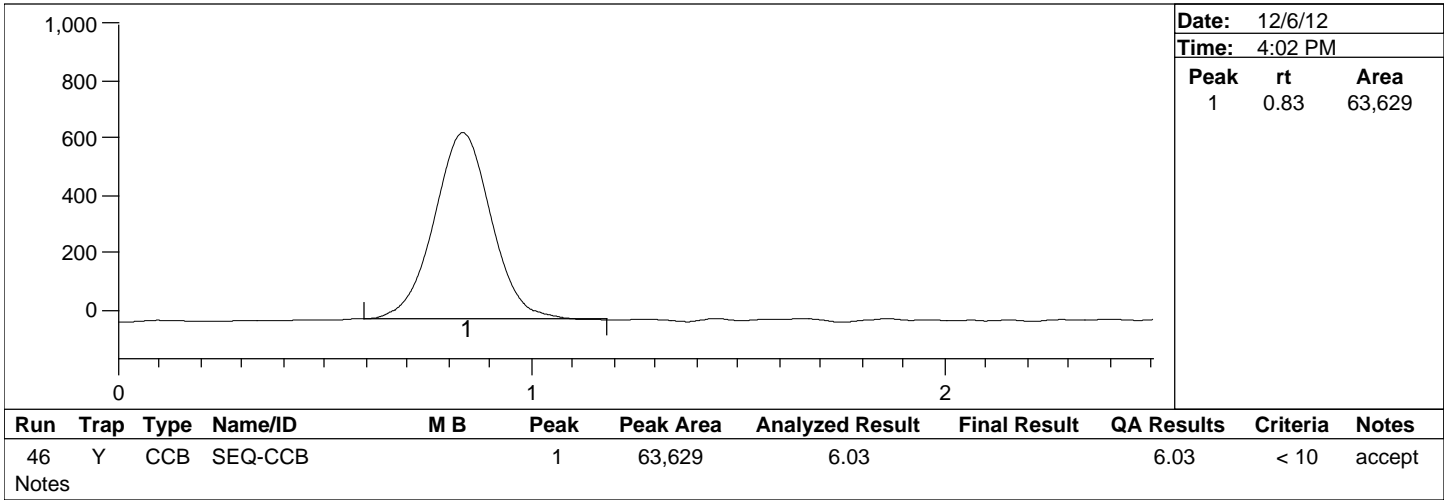
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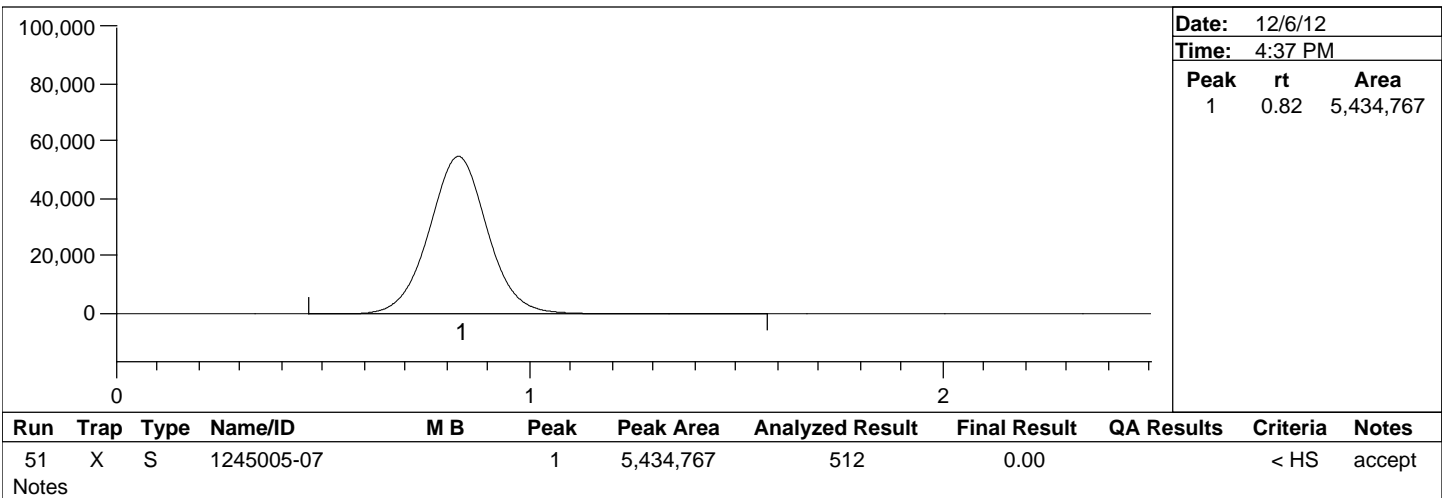
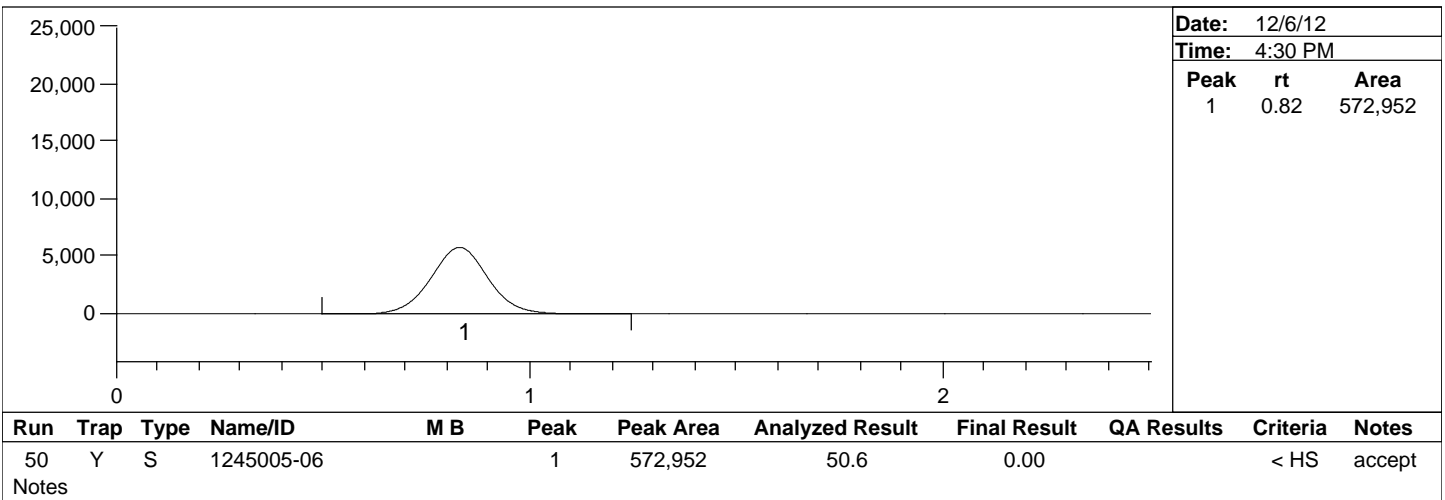
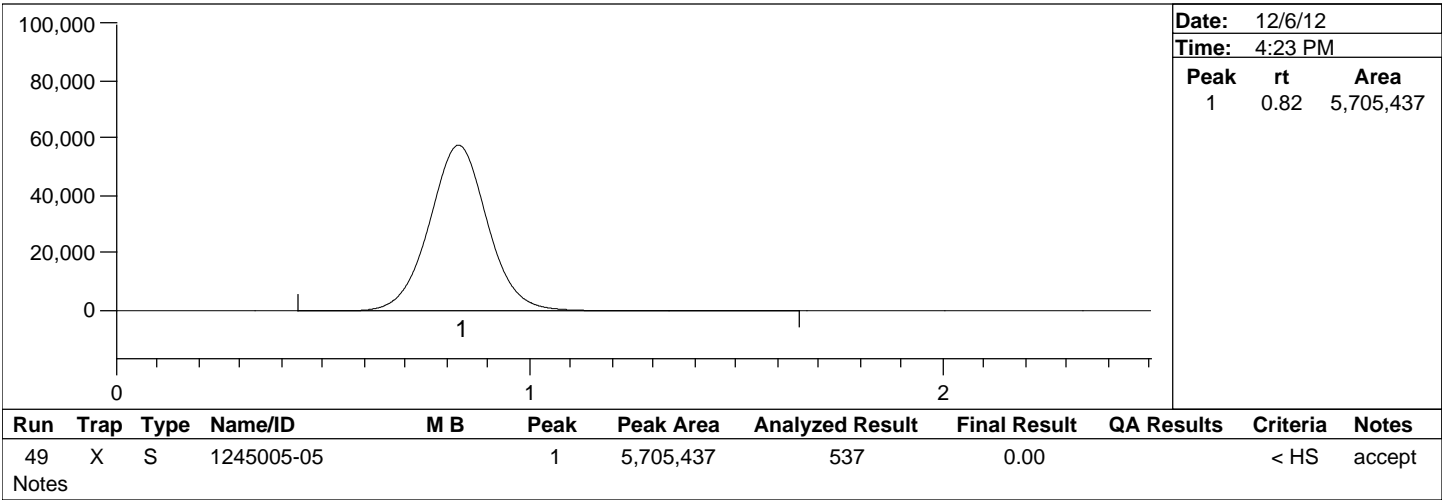
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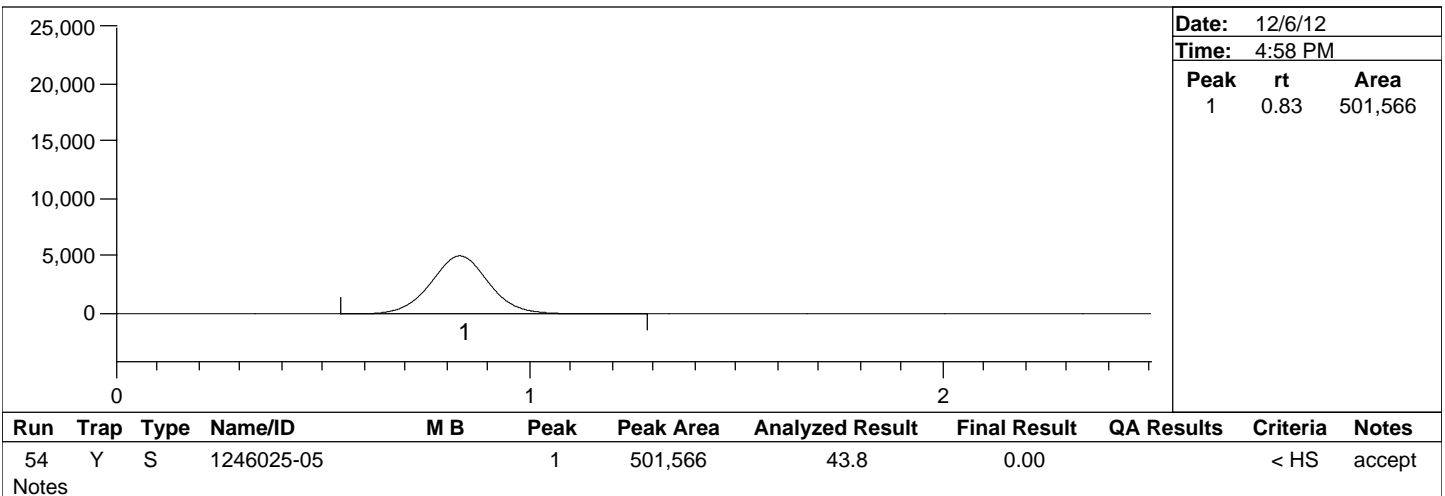
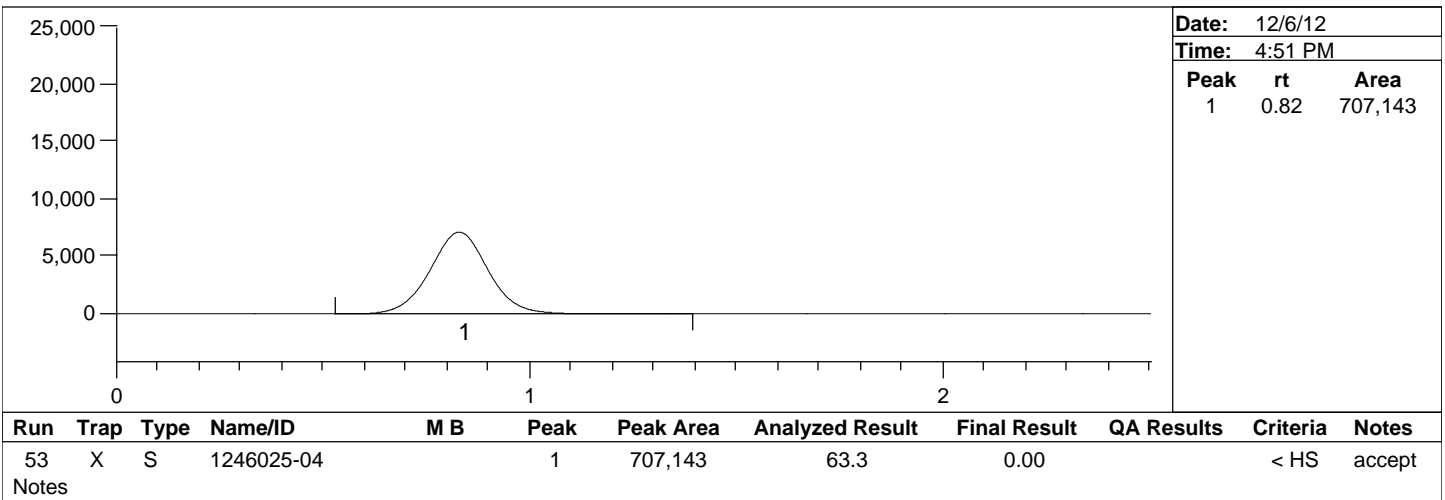
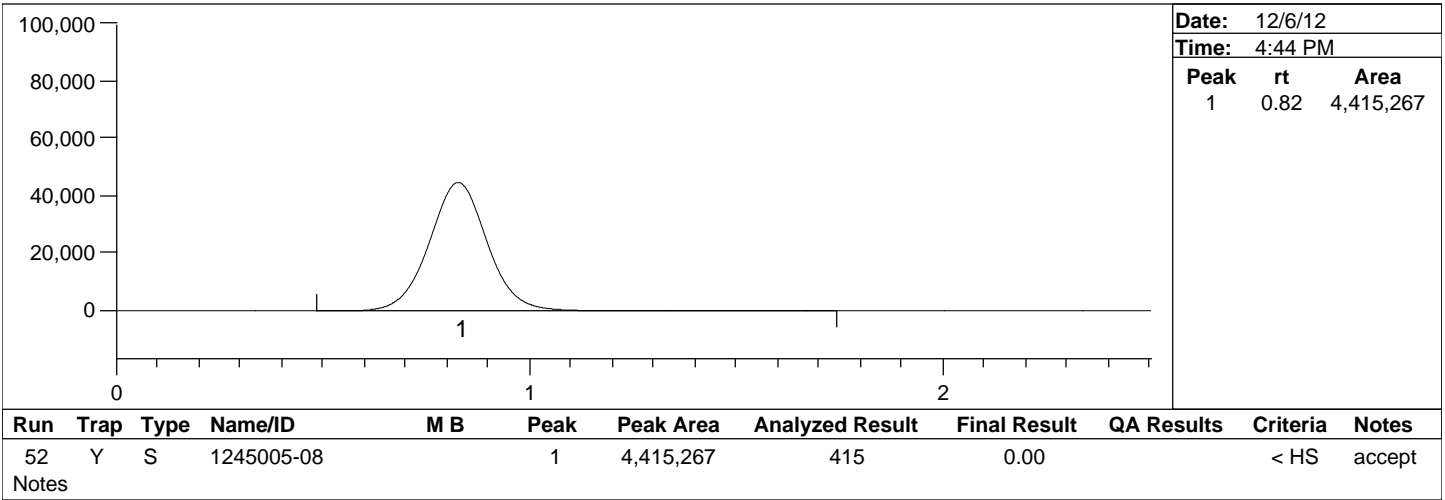
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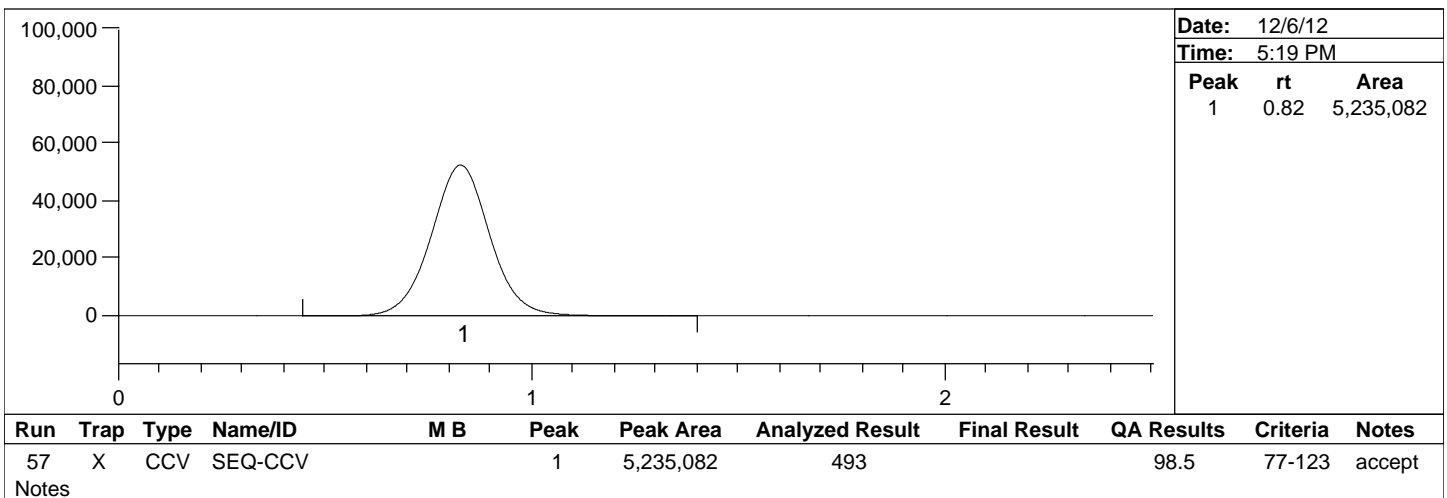
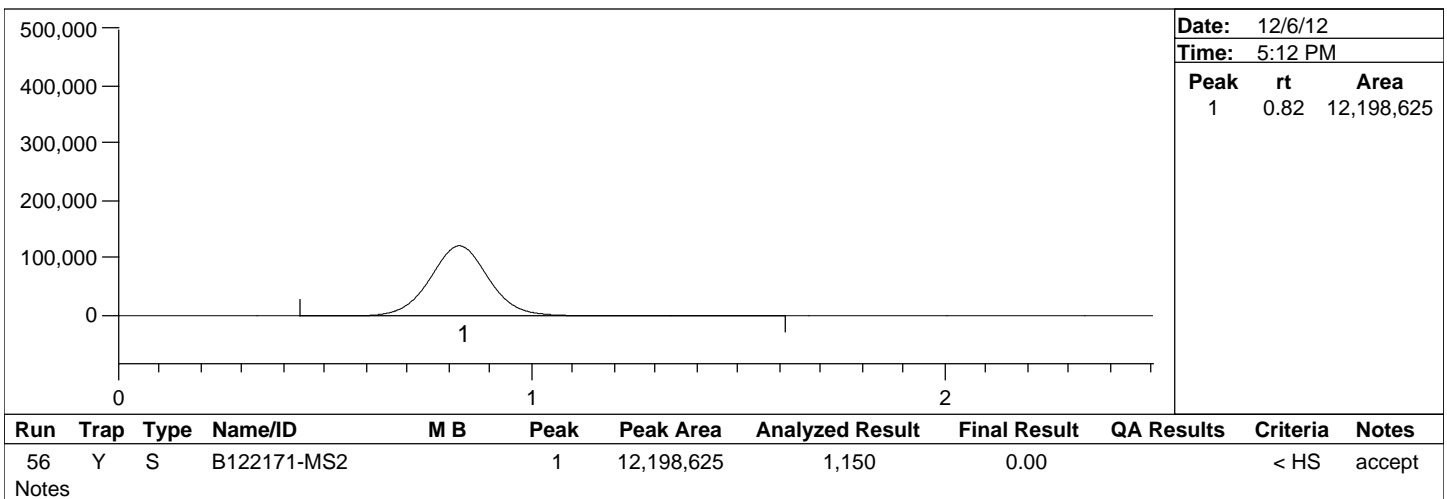
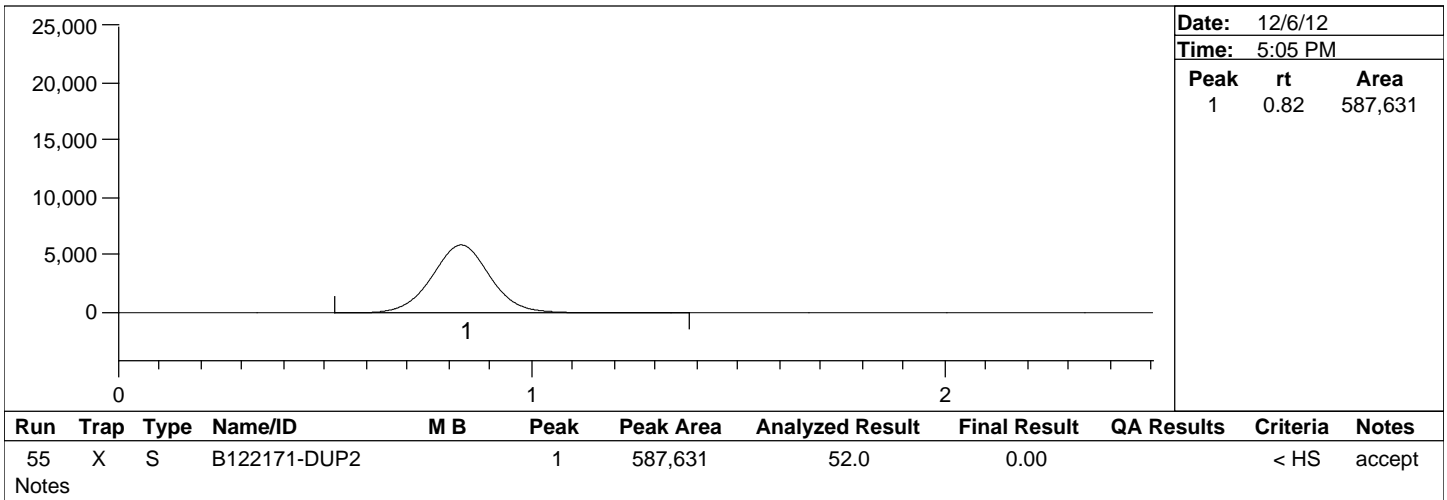
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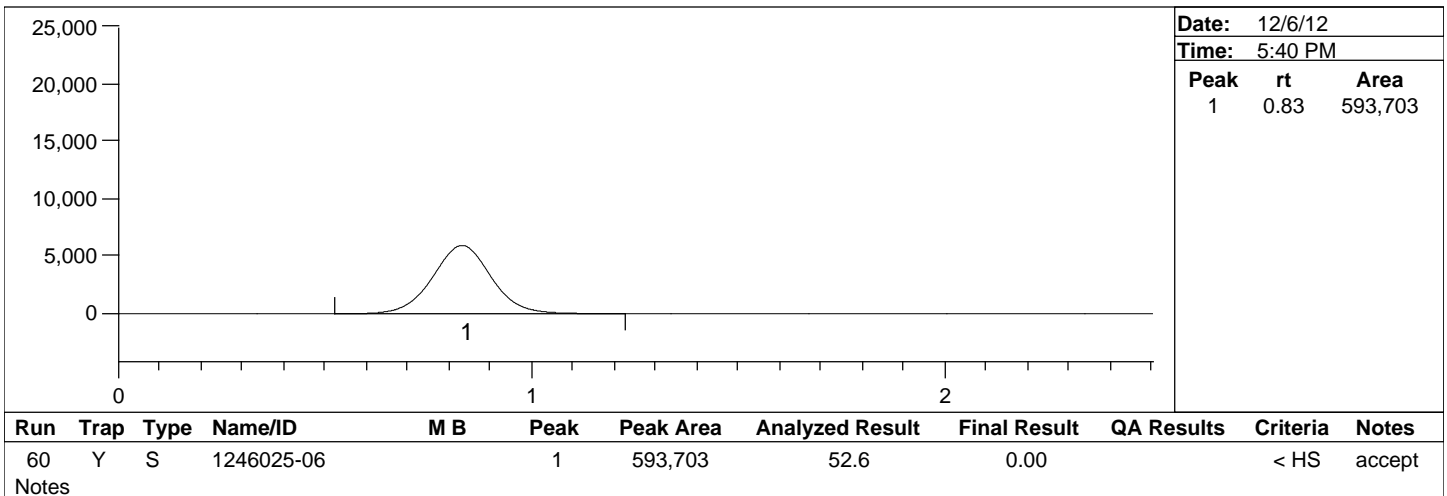
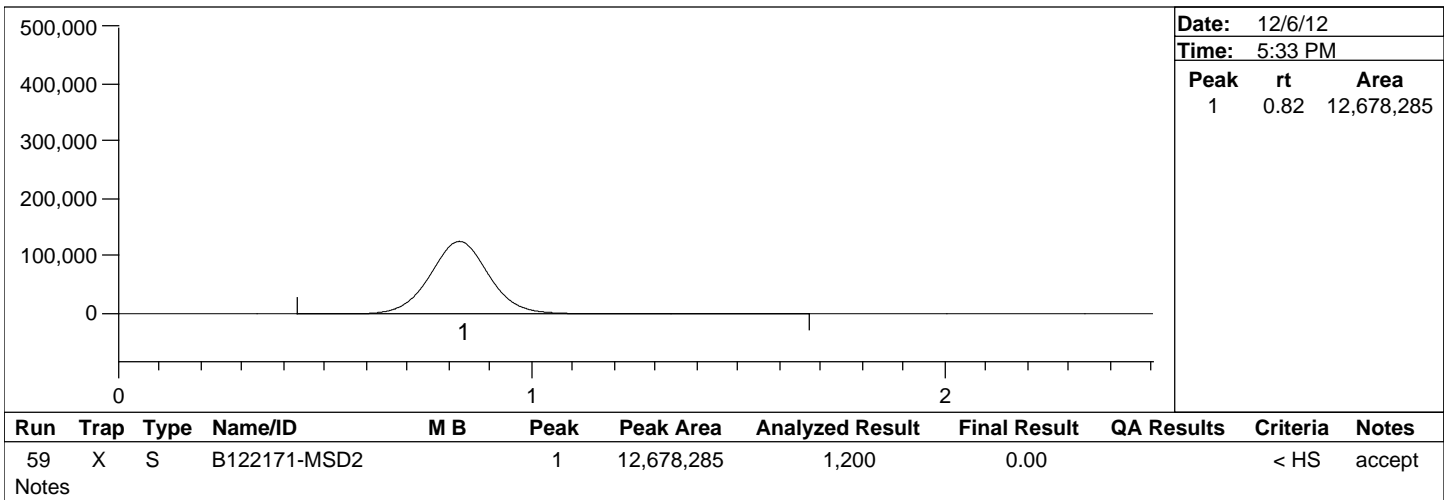
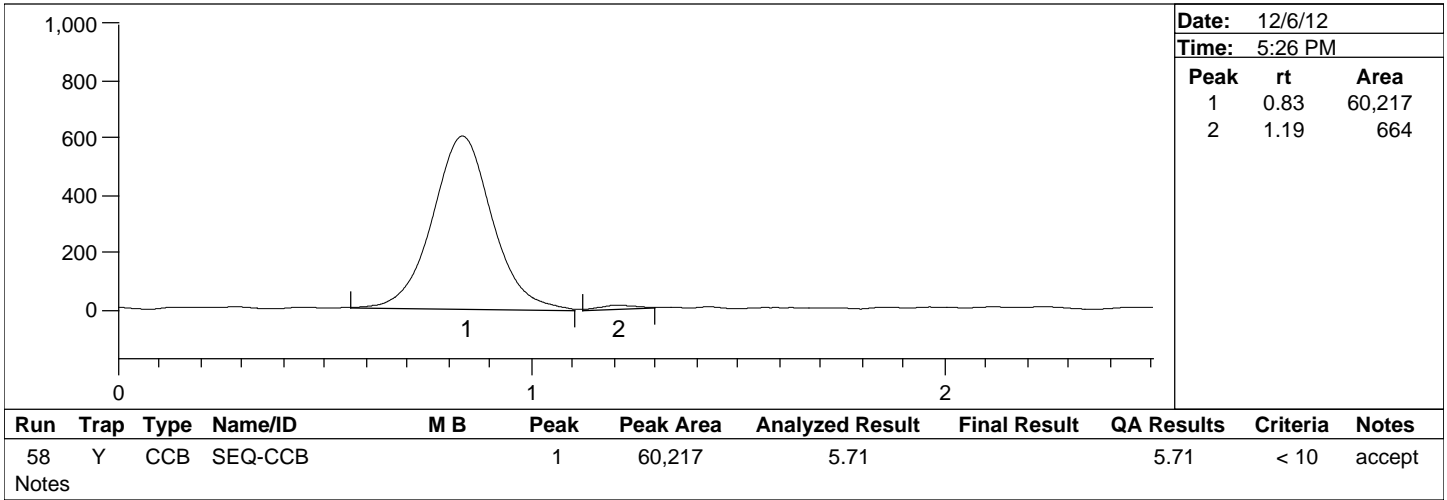
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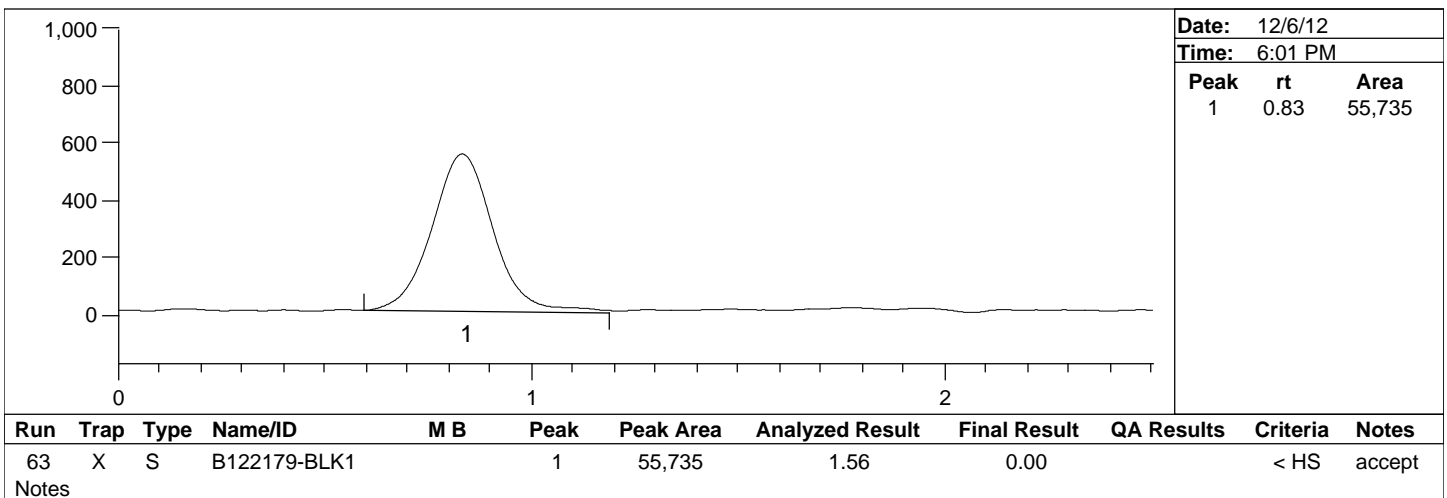
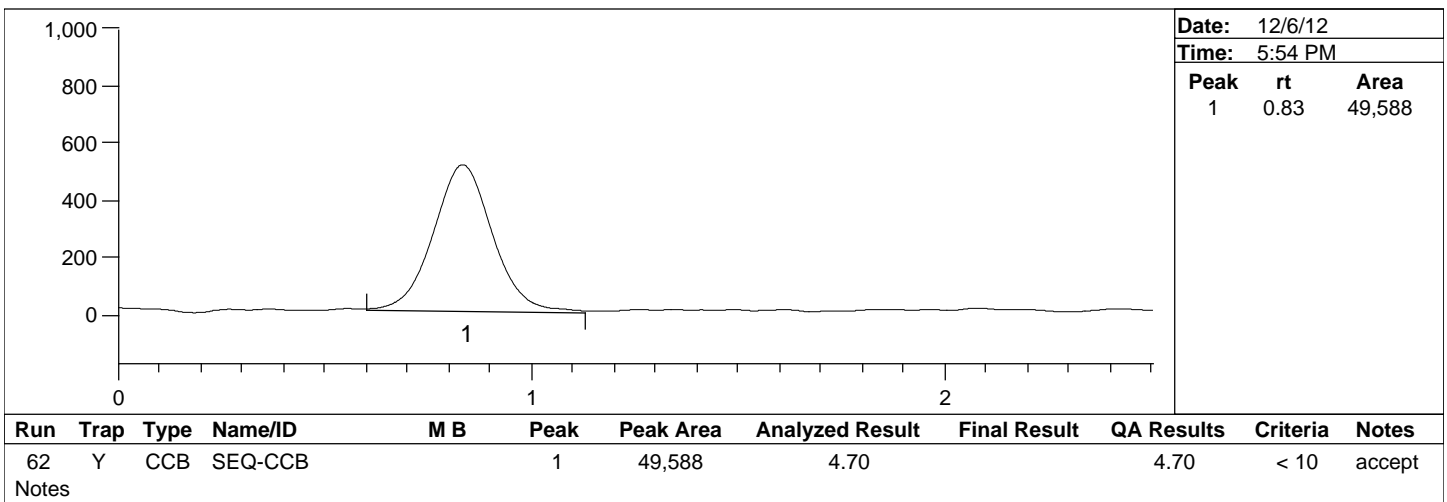
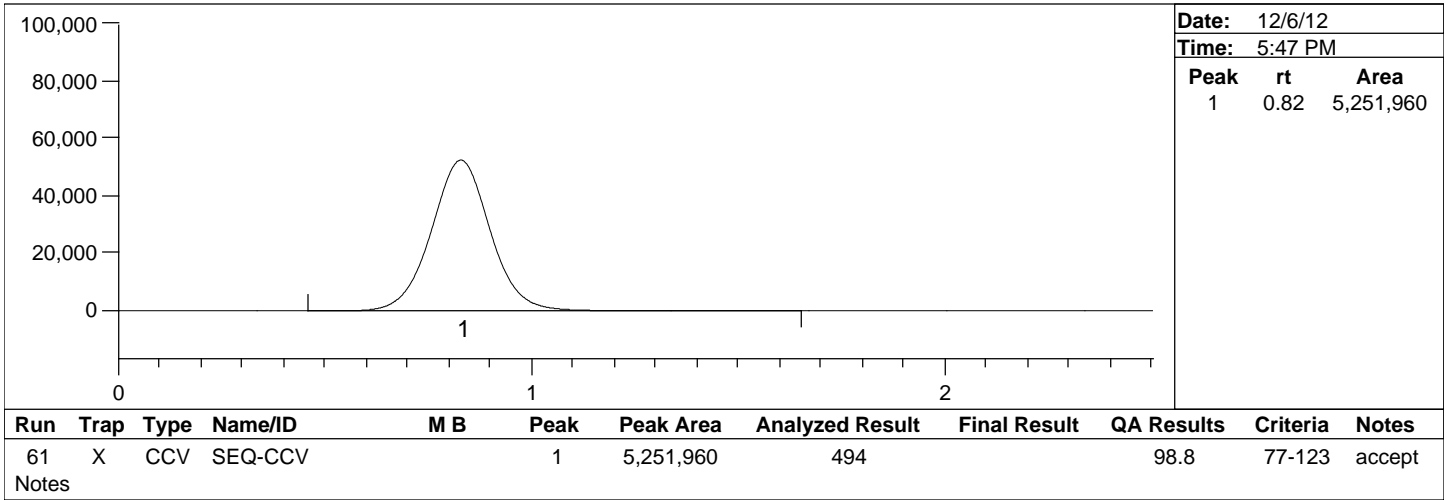
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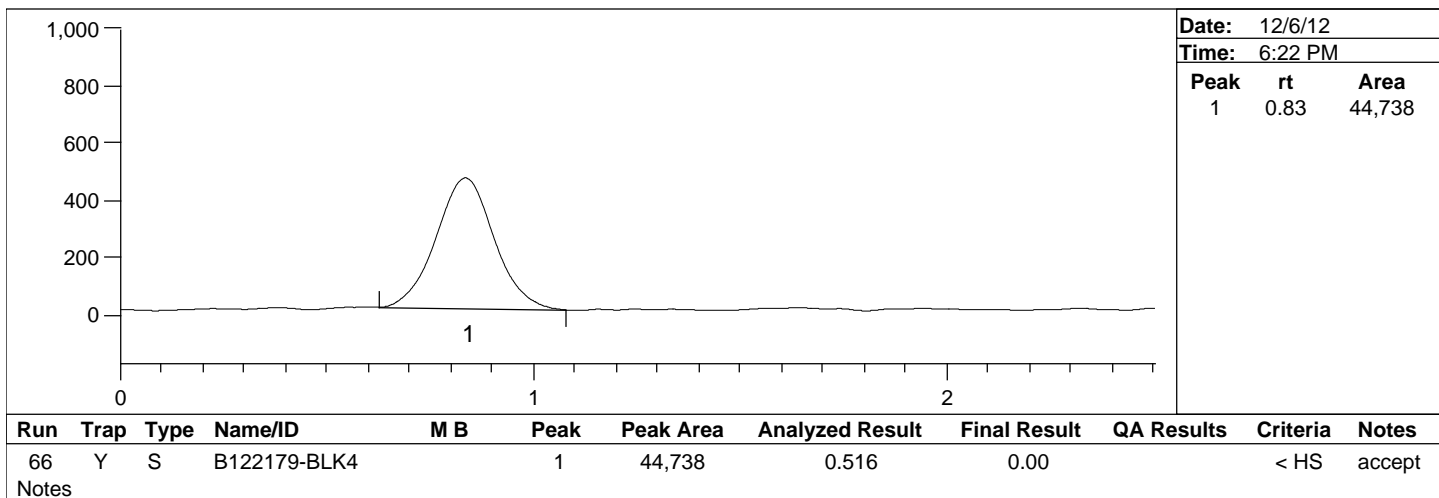
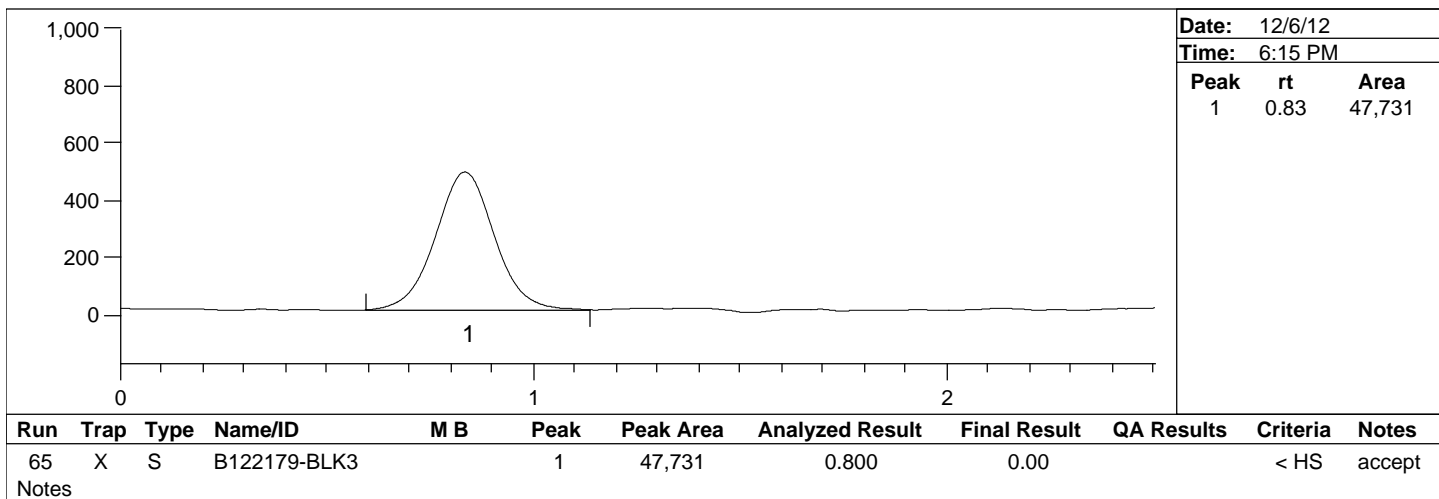
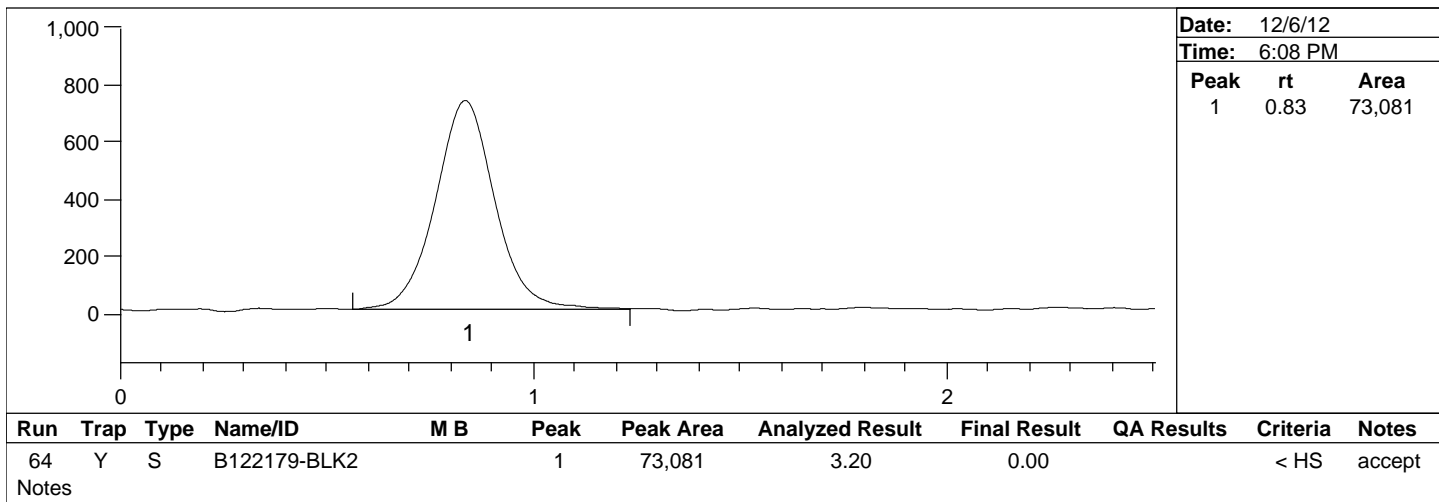
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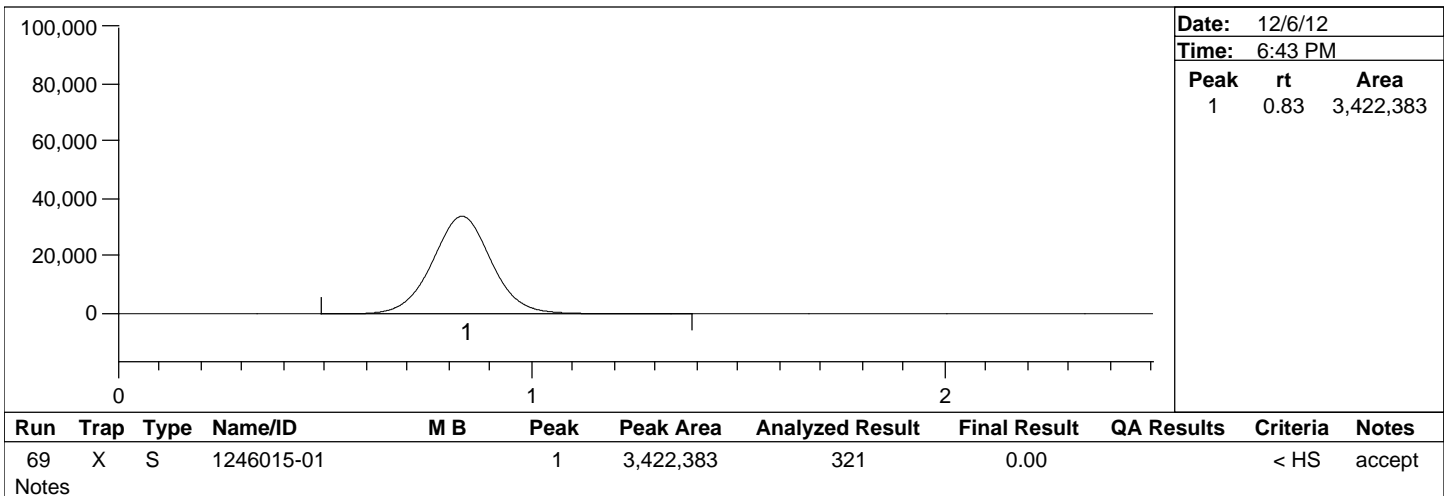
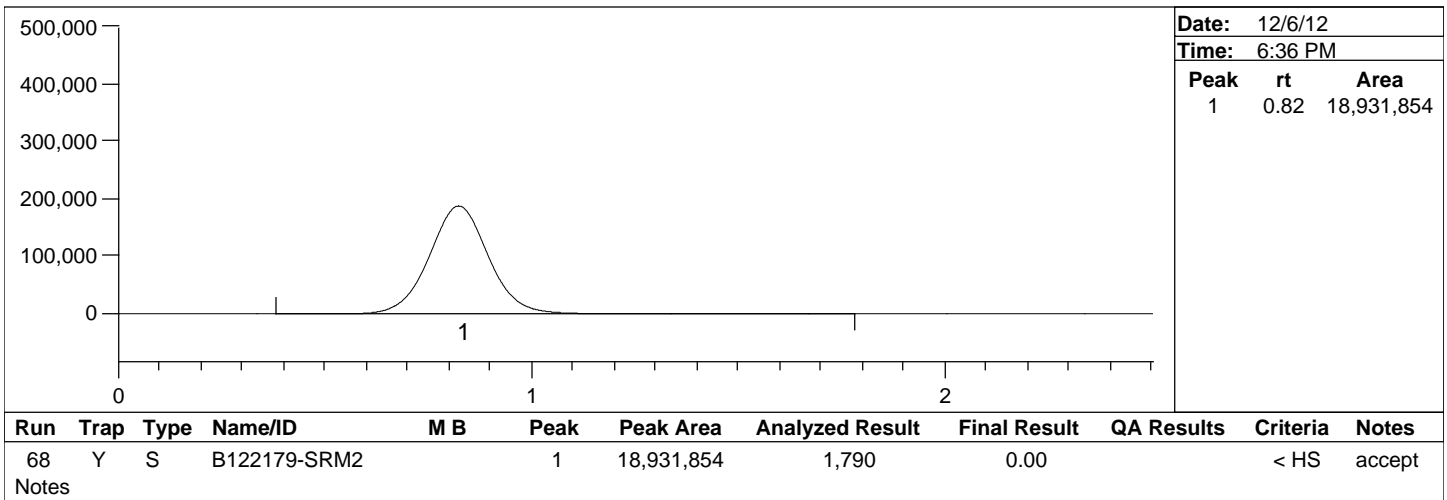
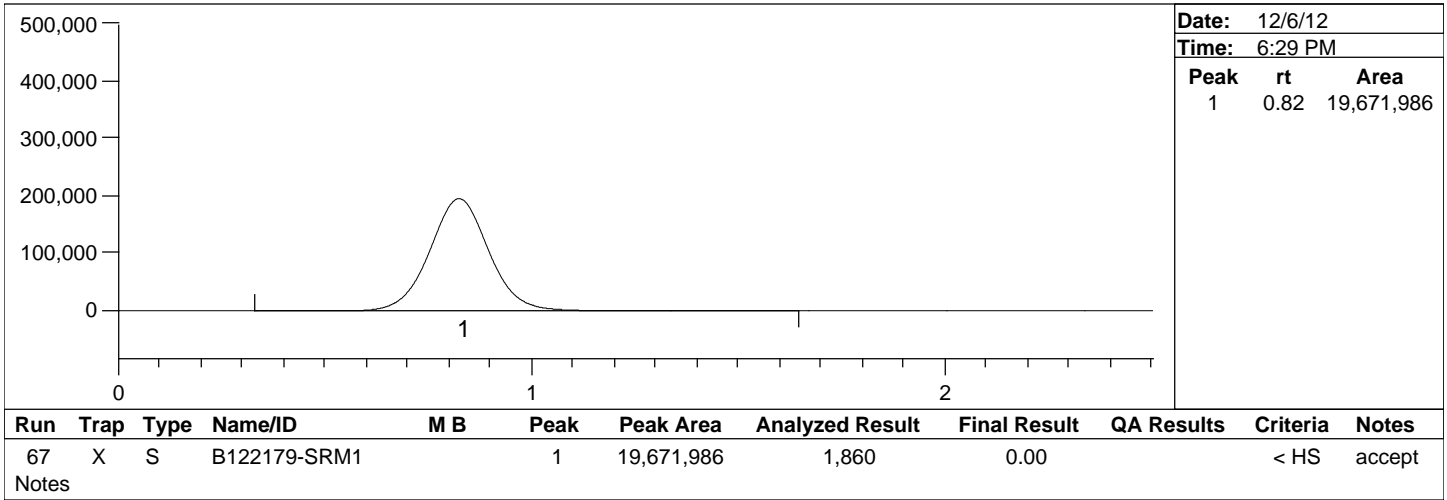
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Peak Report

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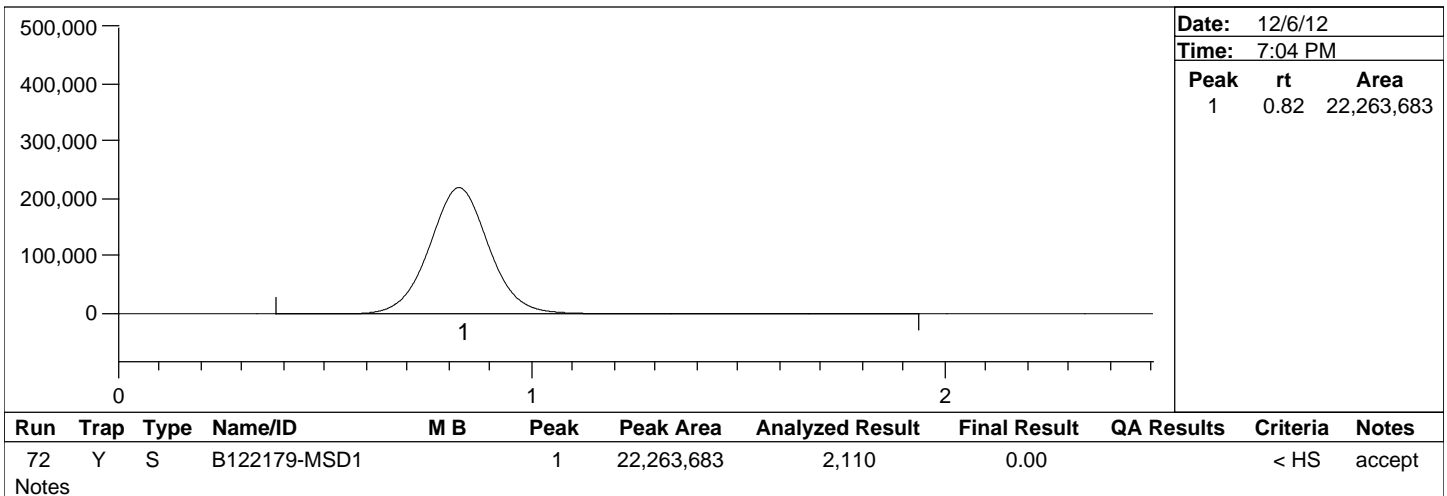
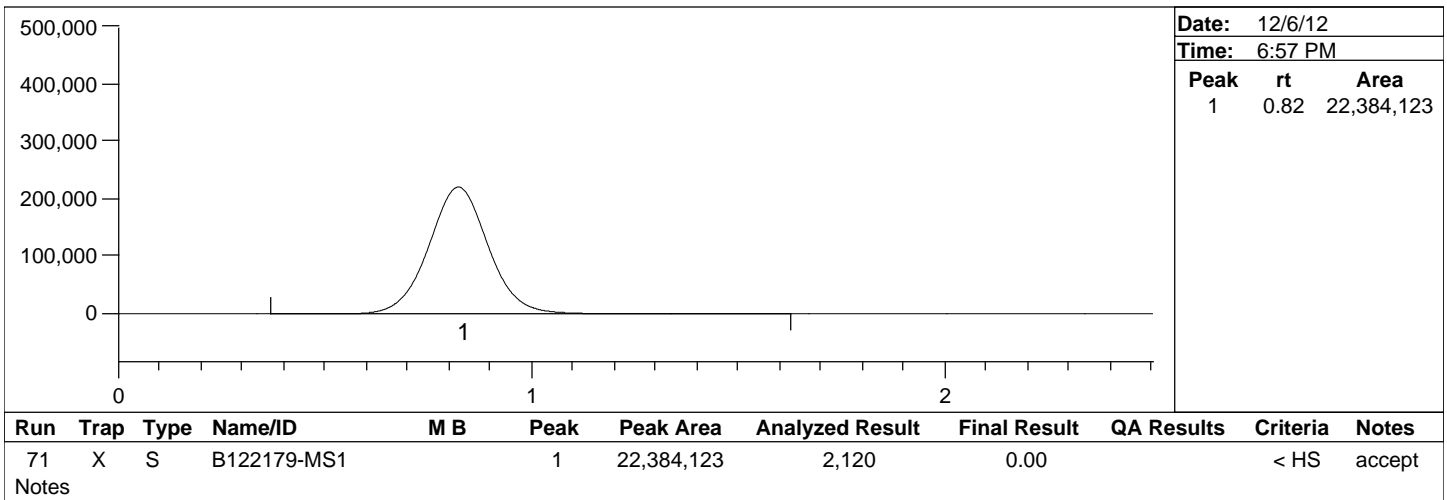
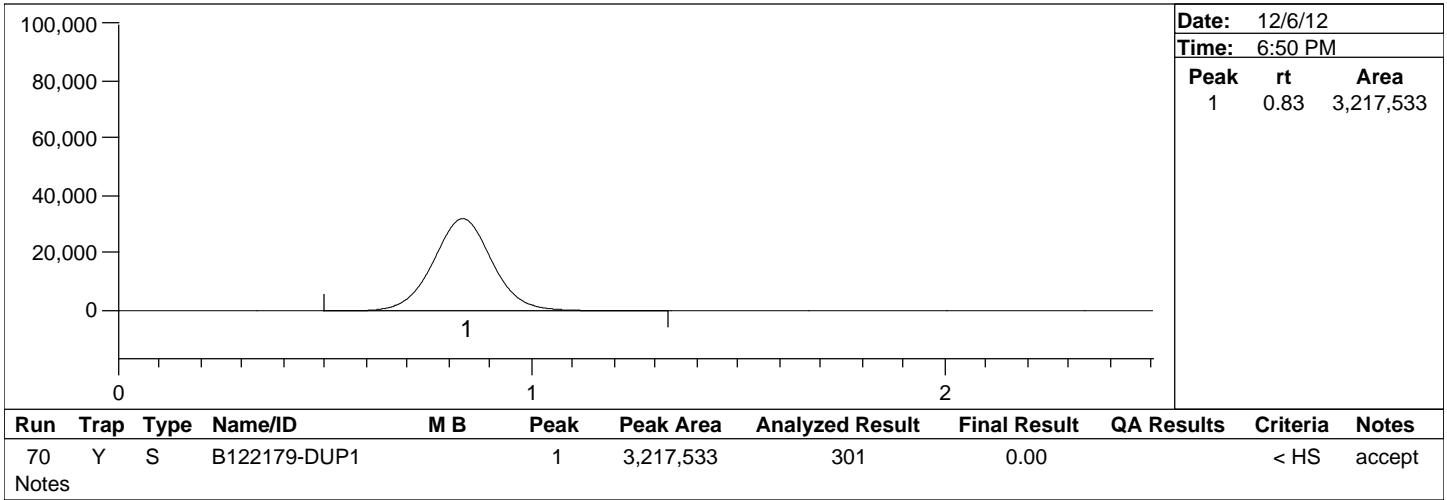
Method Number: CVAFS BR-0006

Project Number(s): 1200906

Instrument ID: THG-06

Date Analyzed: 12/6/12

Analyst Name: MLH



Peak Report

Batch Number: B122213, 2171, 2179, 2277, 2134, 2135

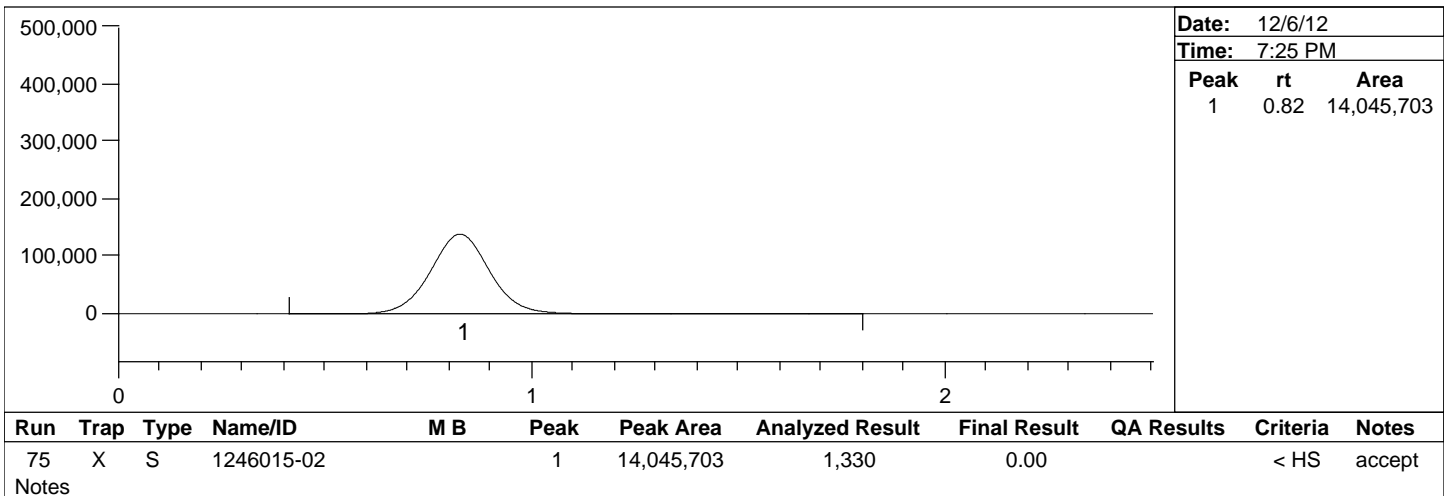
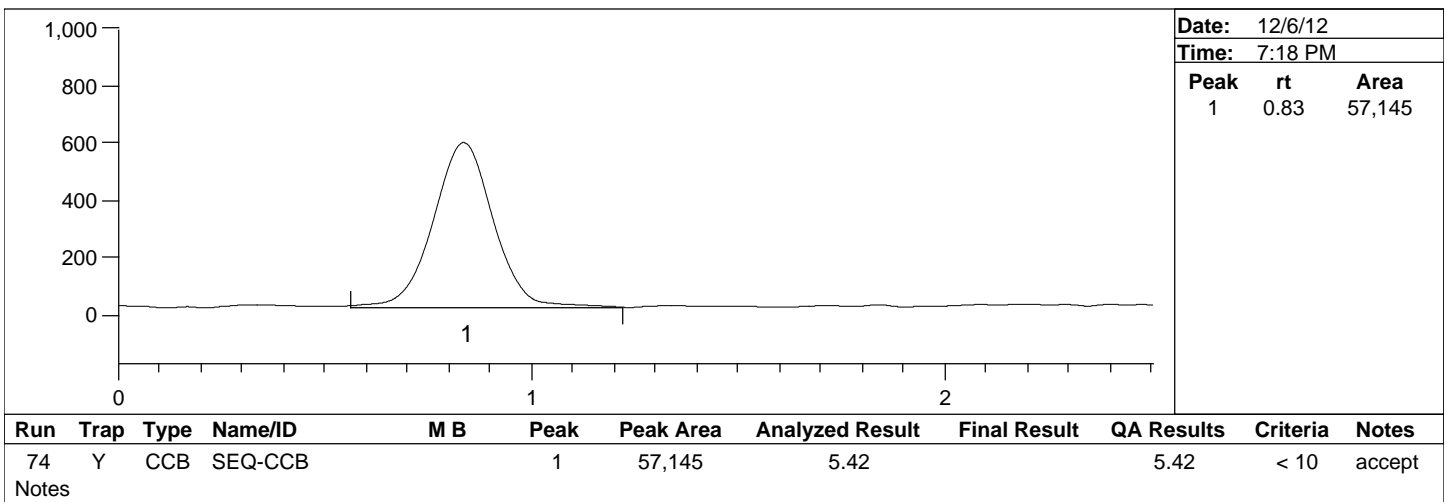
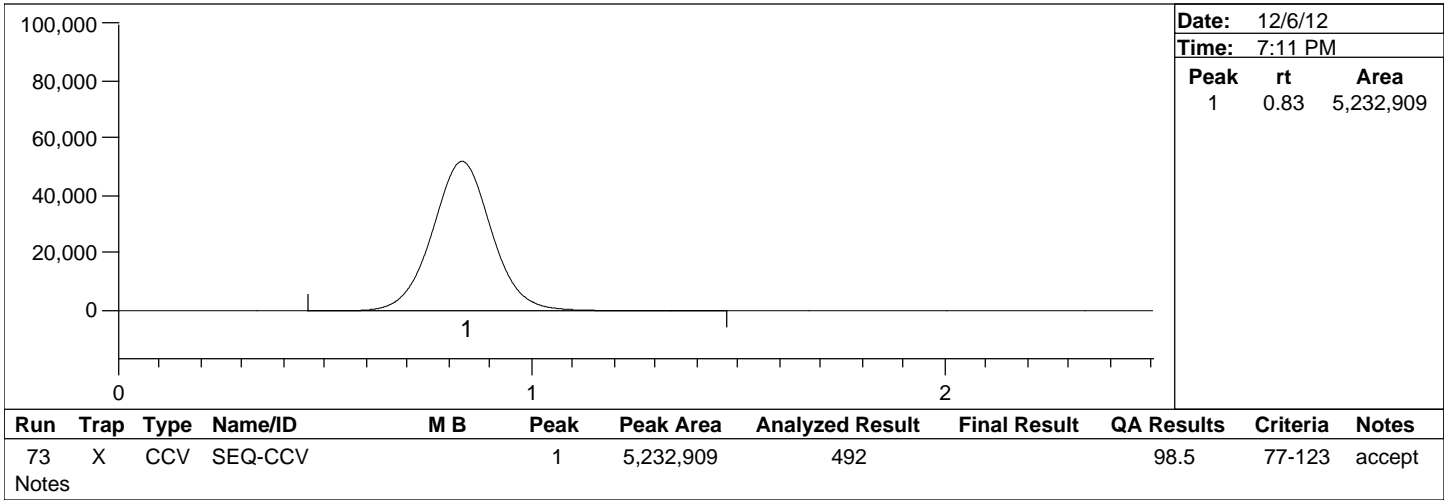
Method Number: CVAFS BR-0006

Project Number(s): 1200906

Instrument ID: THG-06

Date Analyzed: 12/6/12

Analyst Name: MLH



Peak Report

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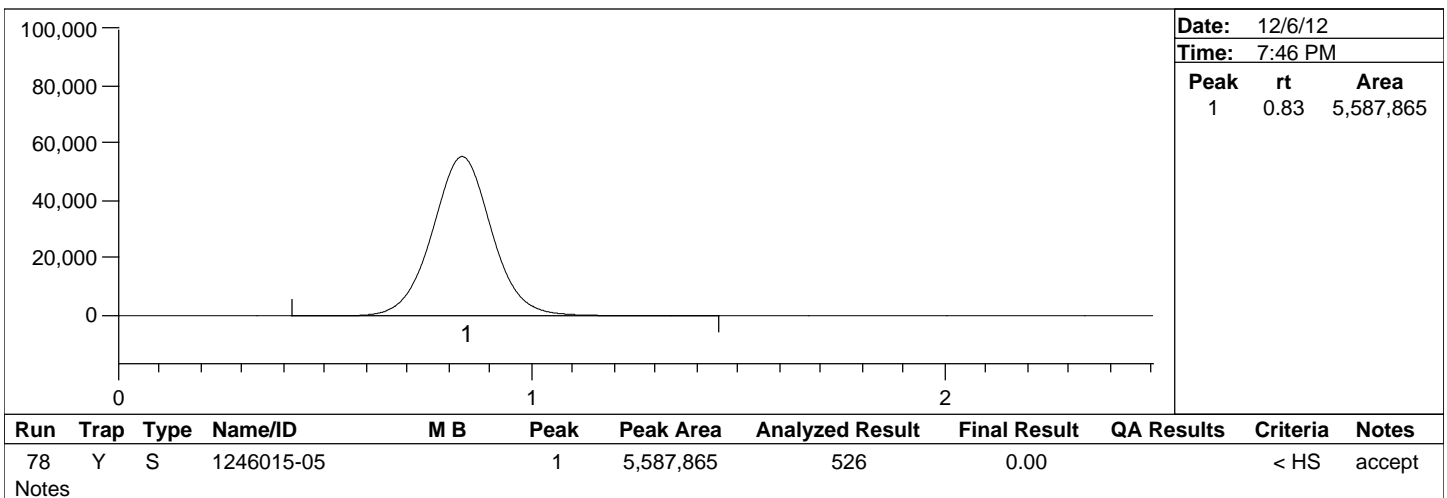
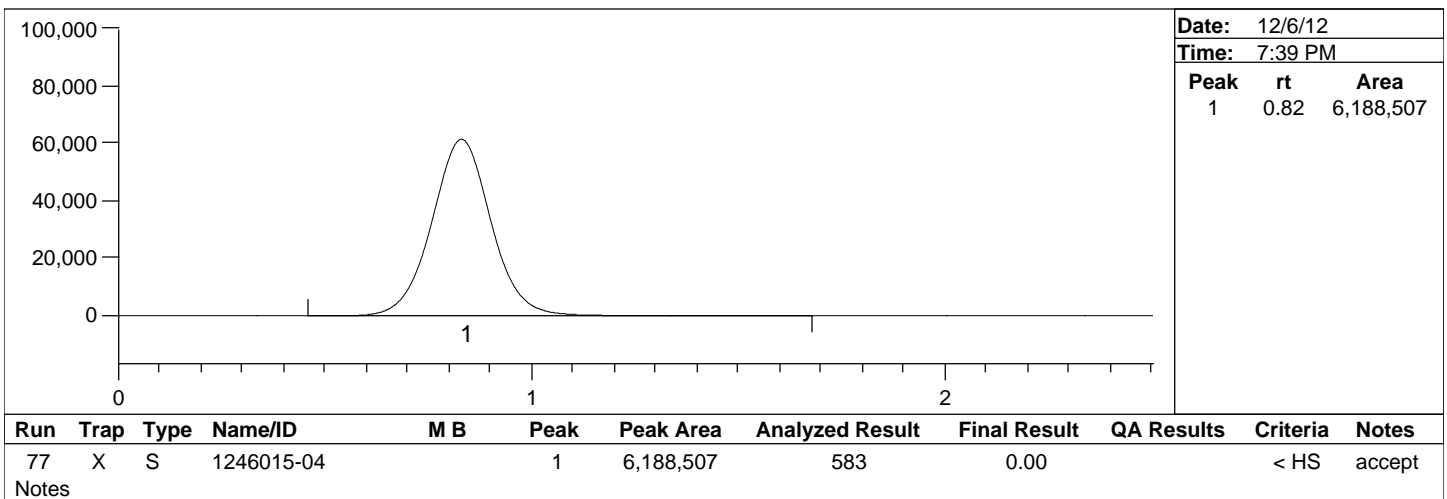
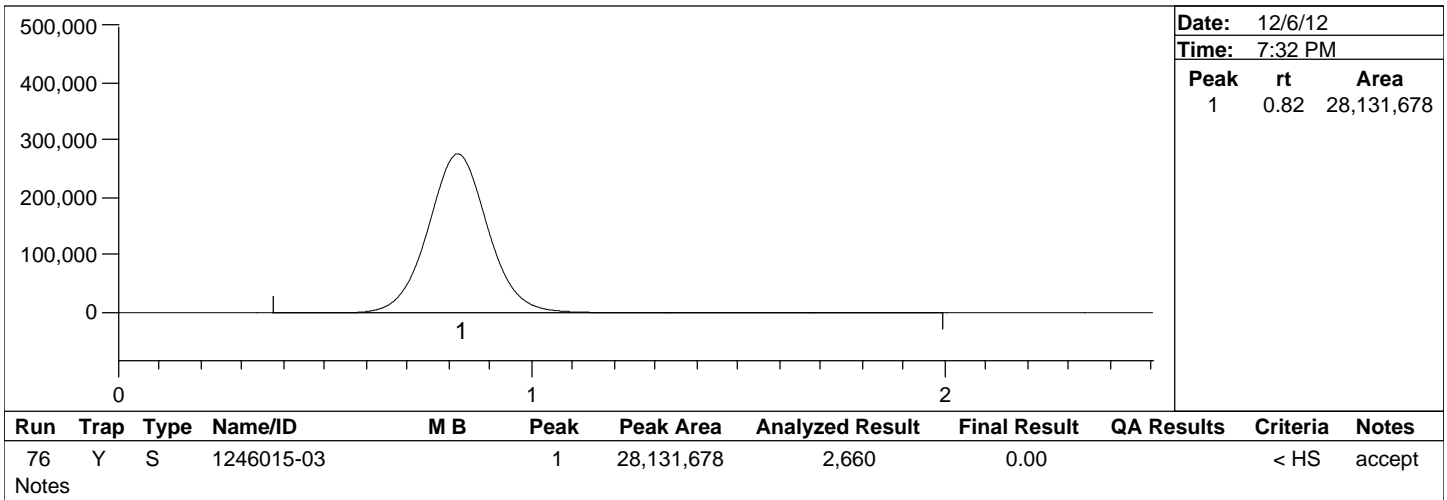
Method Number: CVAFS BR-0006

Project Number(s): 1200906

Instrument ID: THG-06

Date Analyzed: 12/6/12

Analyst Name: MLH



Peak Report

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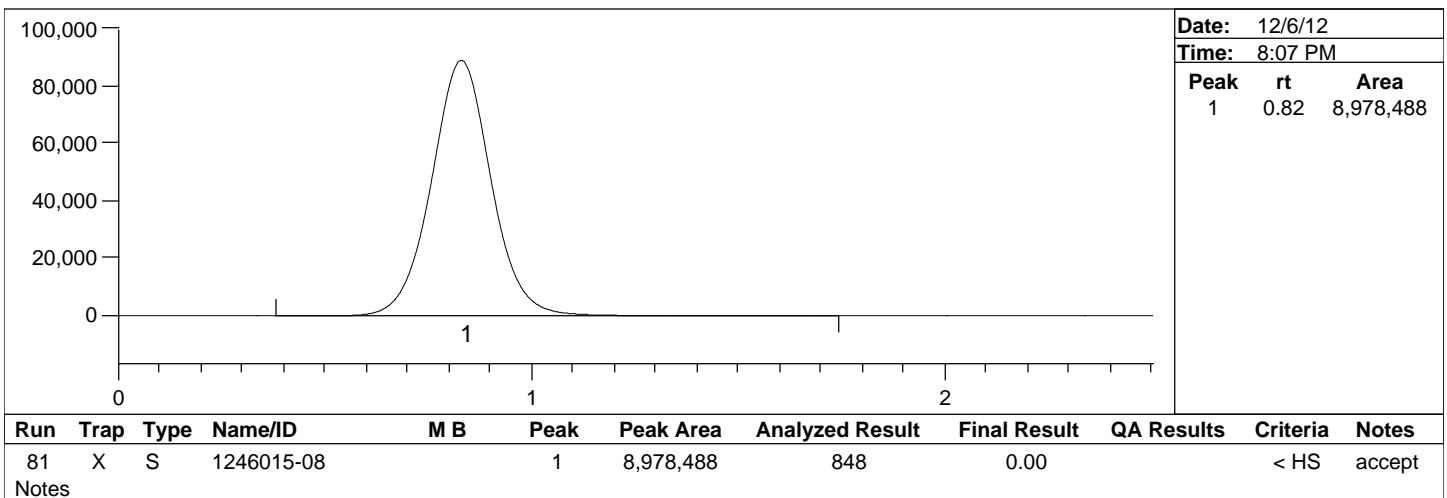
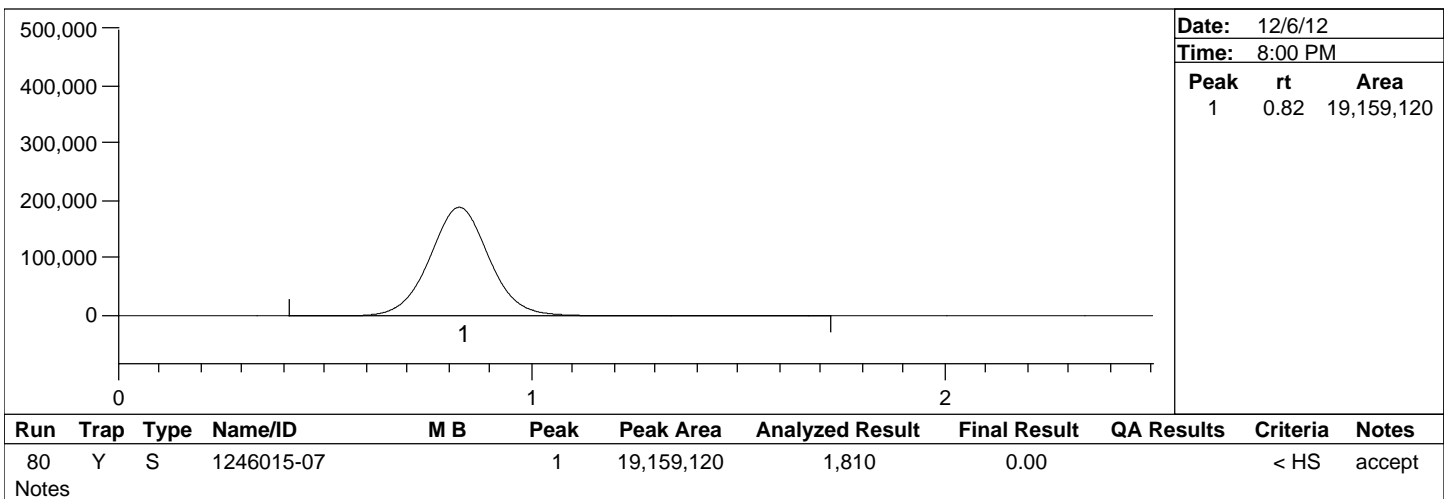
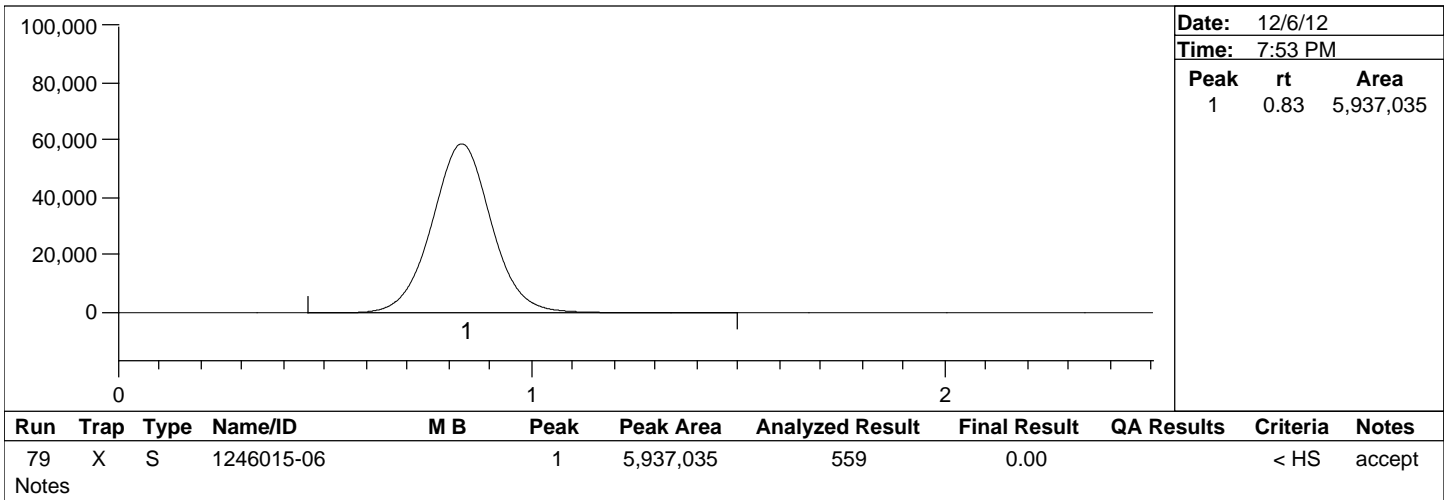
Method Number: CVAFS BR-0006

Project Number(s): 1200906

Instrument ID: THG-06

Date Analyzed: 12/6/12

Analyst Name: MLH



Peak Report

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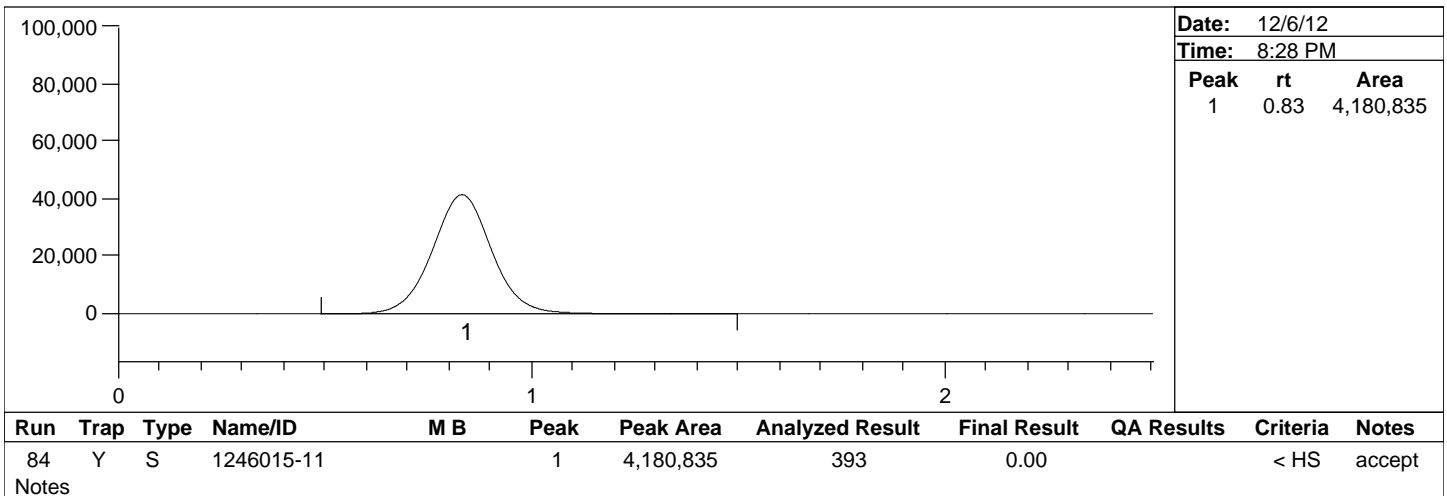
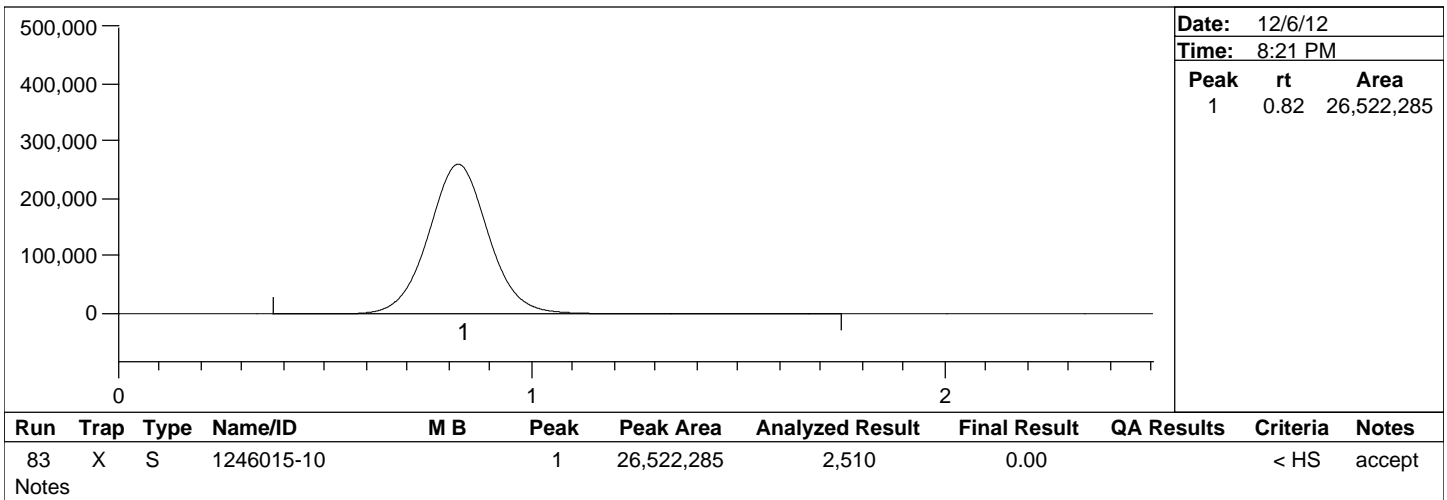
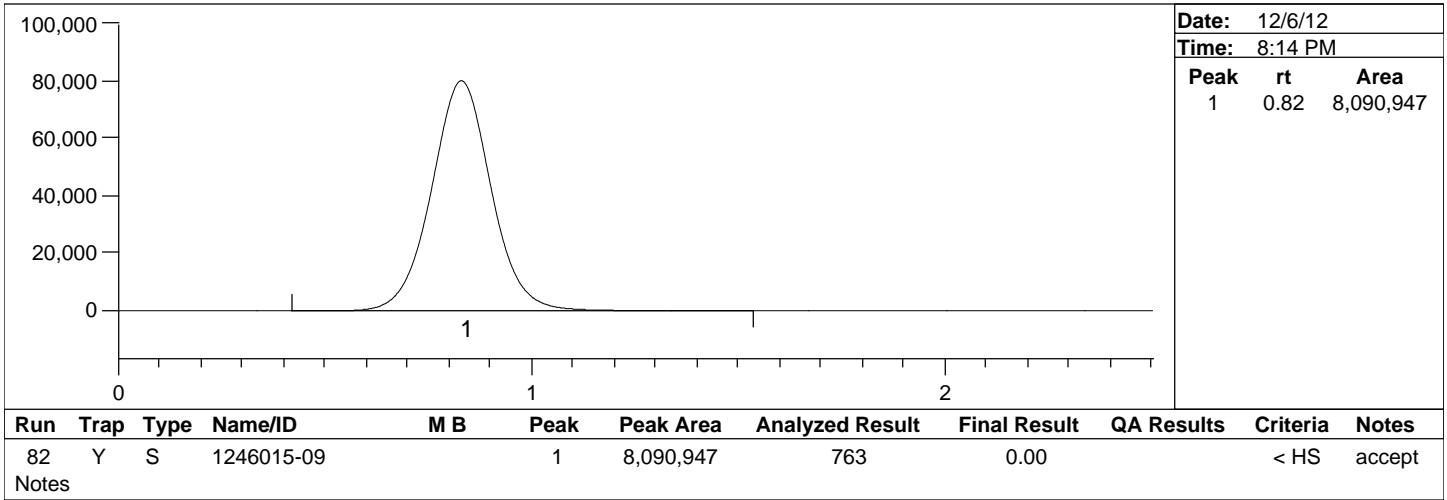
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Project Number(s): 1200906

Instrument ID: THG-06

Date Analyzed: 12/6/12

Analyst Name: MLH



Peak Report

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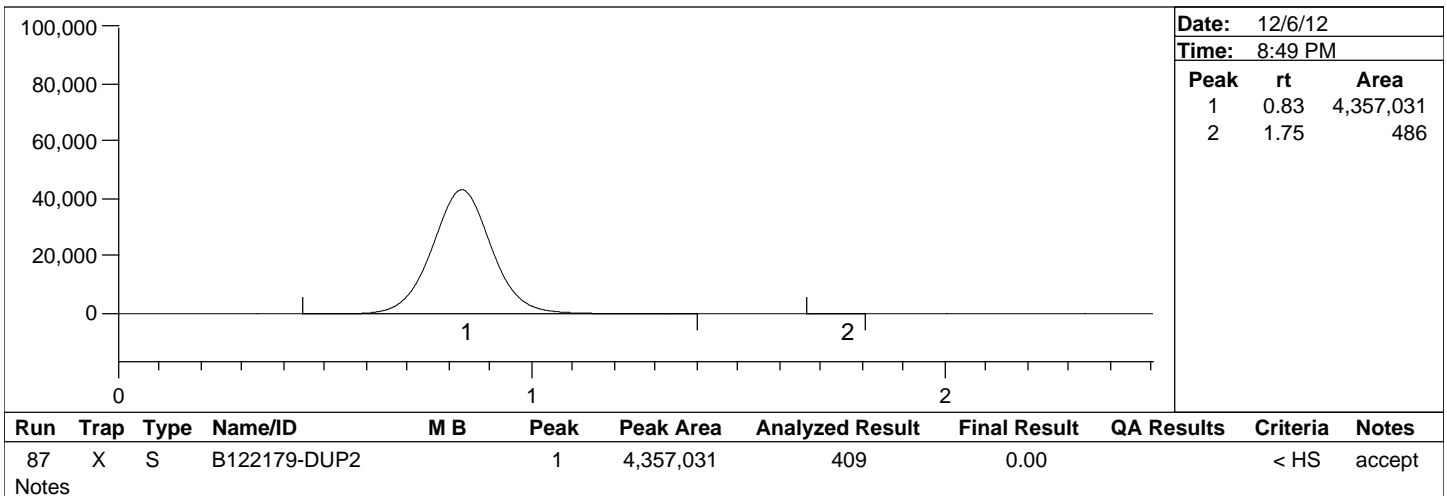
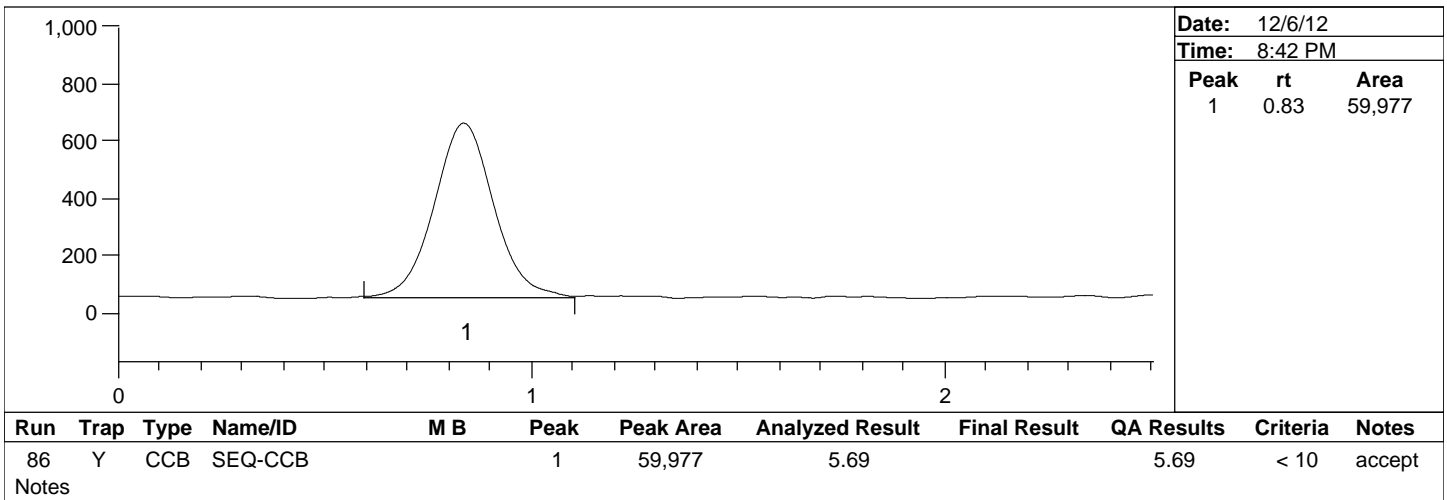
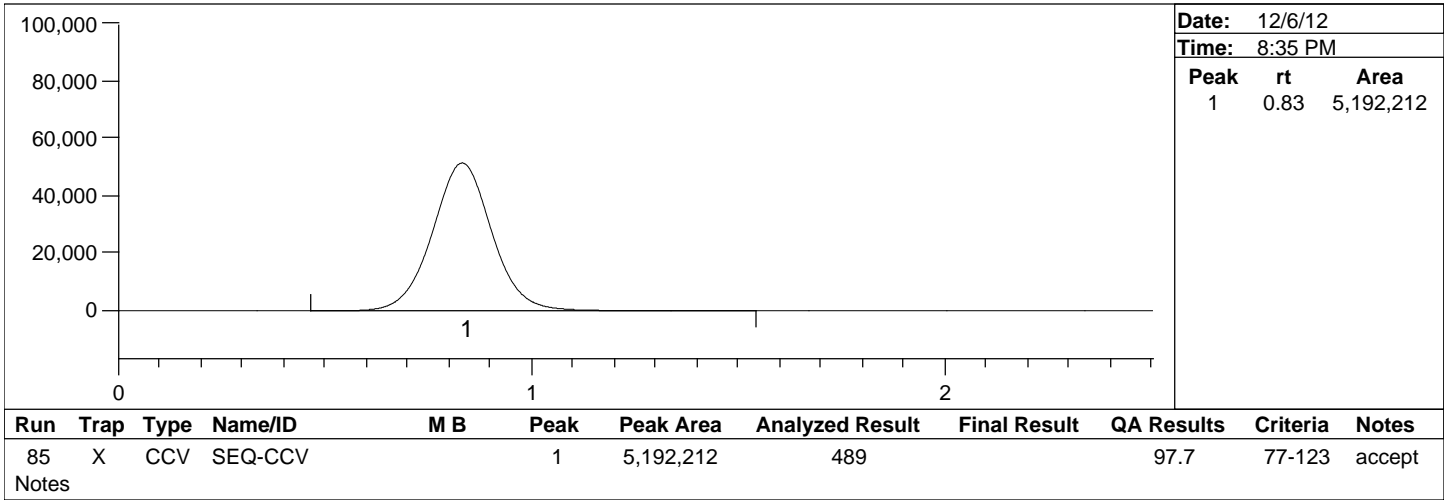
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Project Number(s): 1200906

Instrument ID: THG-06

Date Analyzed: 12/6/12

Analyst Name: MLH



Peak Report

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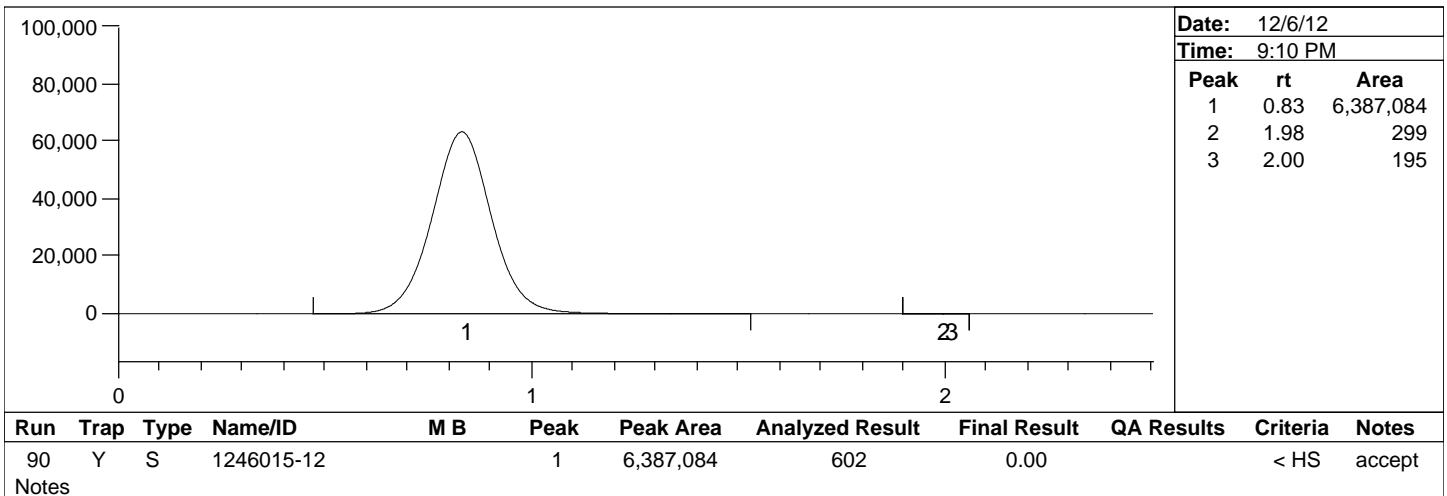
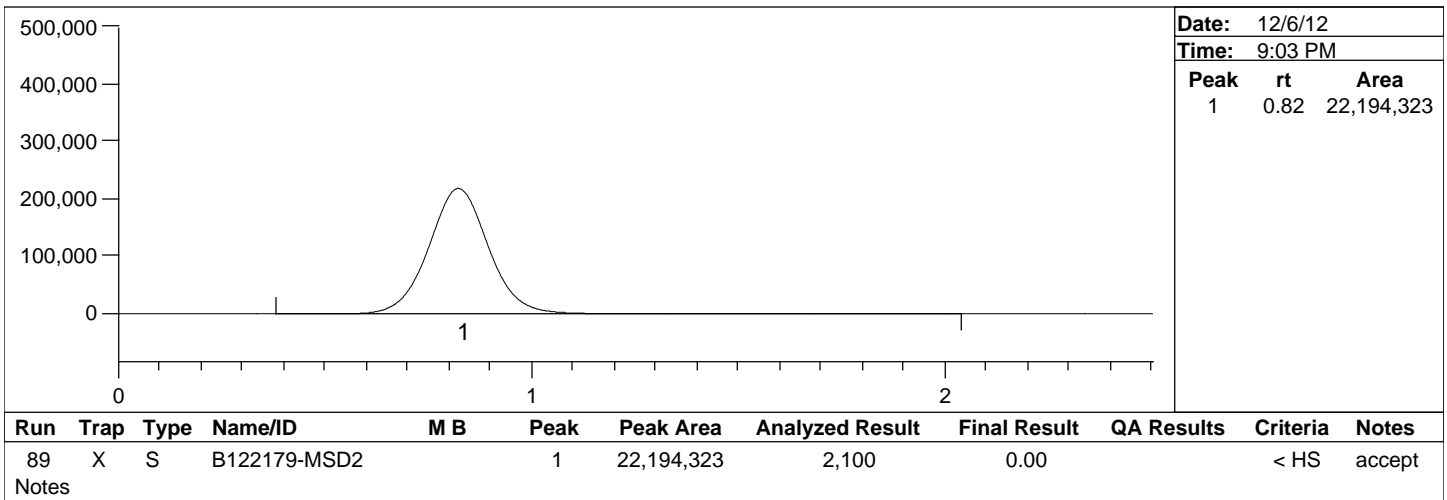
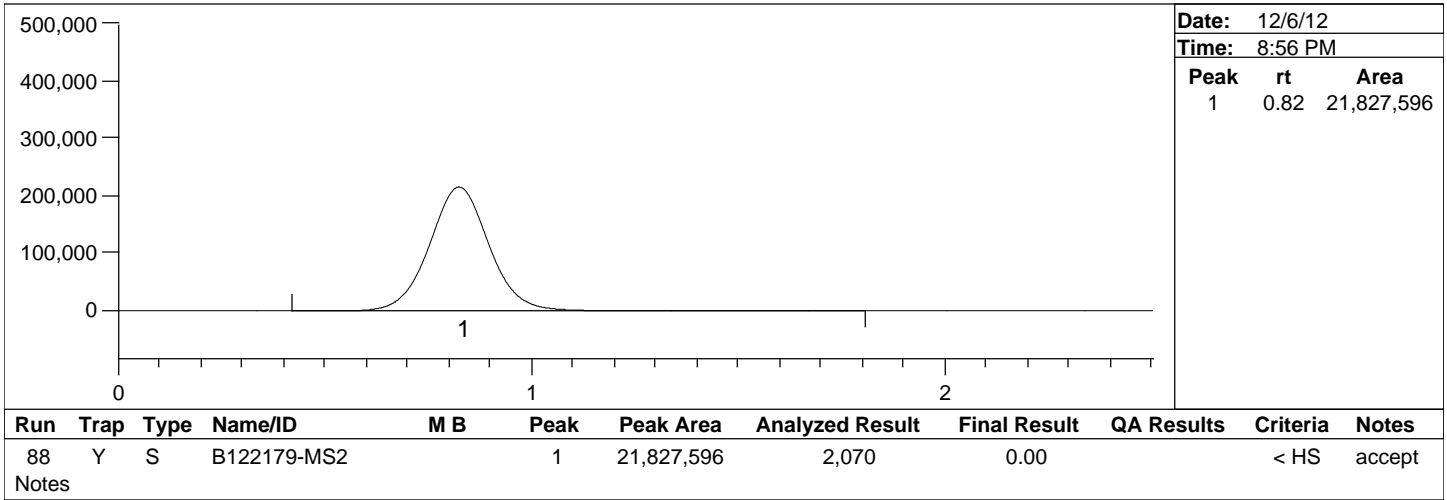
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Project Number(s): 1200906

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Peak Report

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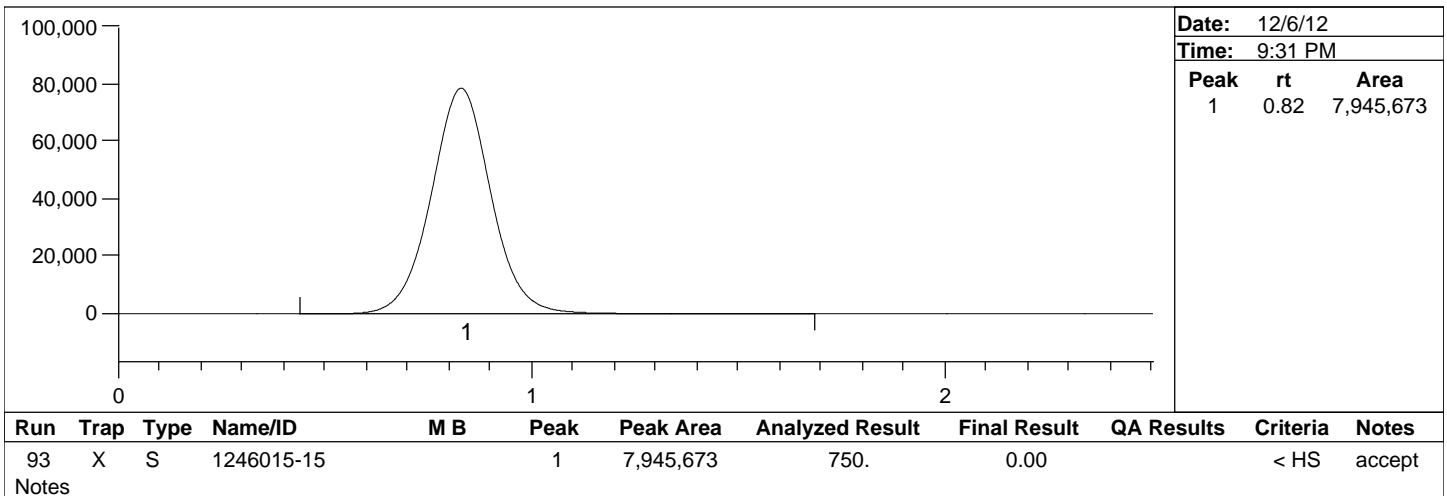
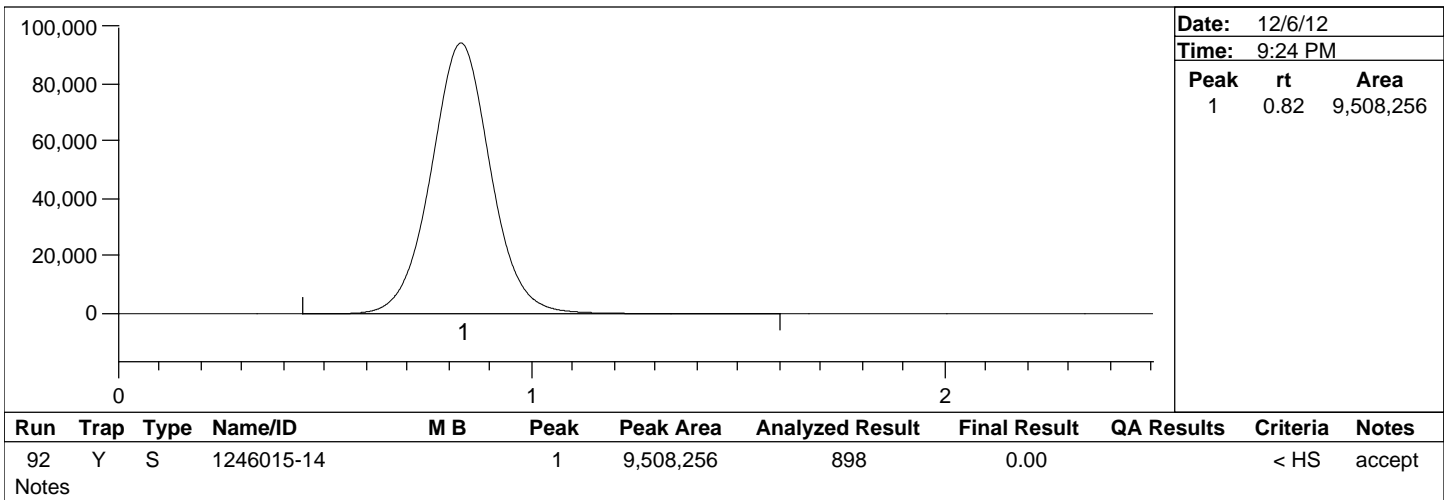
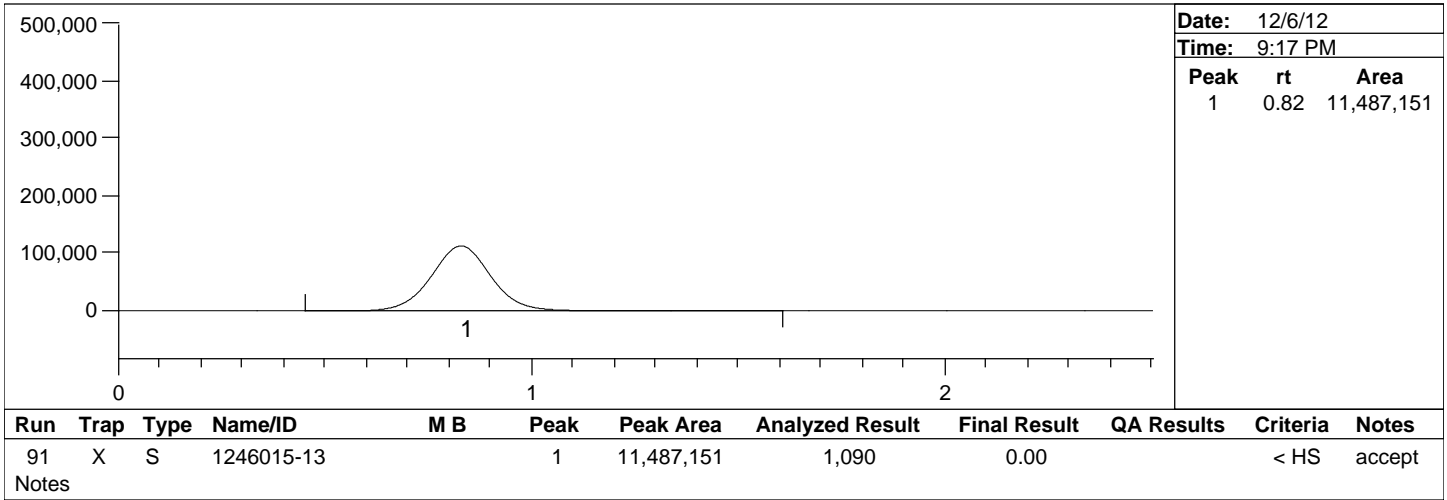
Method Number: CVAFS BR-0006

Project Number(s): 1200906

Instrument ID: THG-06

Date Analyzed: 12/6/12

Analyst Name: MLH



Peak Report

Batch Number: B122213, 2171, 2179, 2277, 2134, 2135

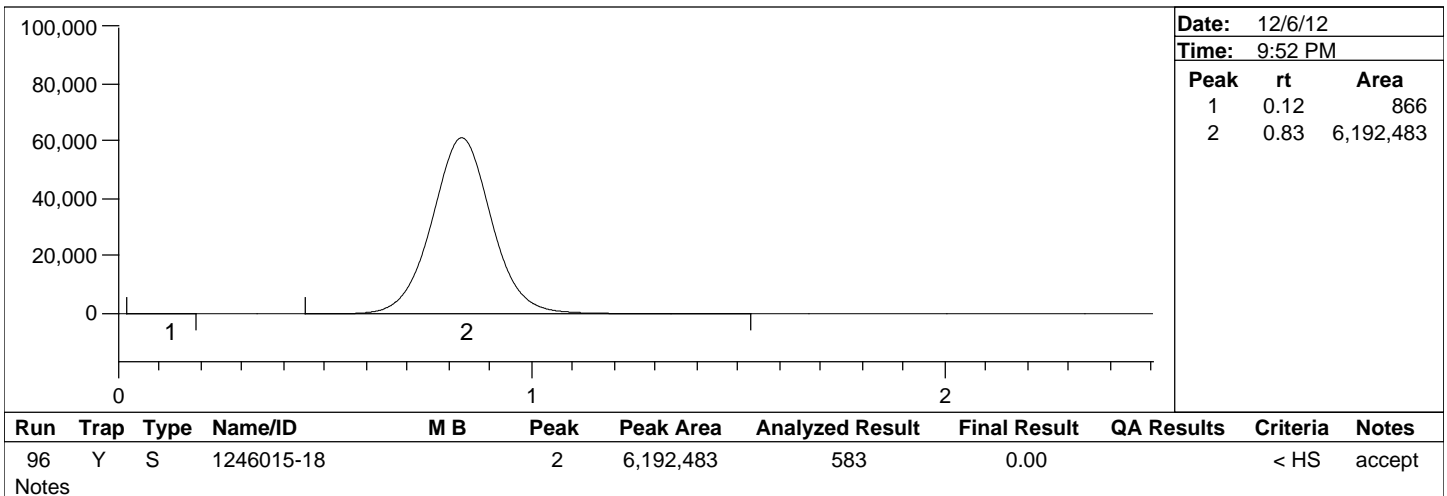
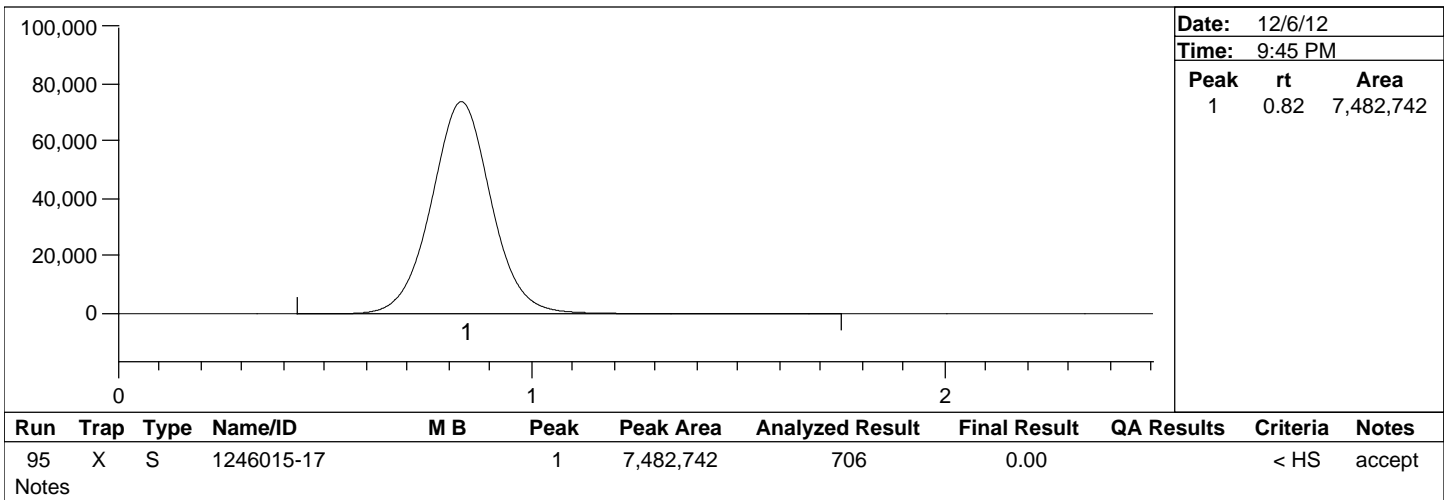
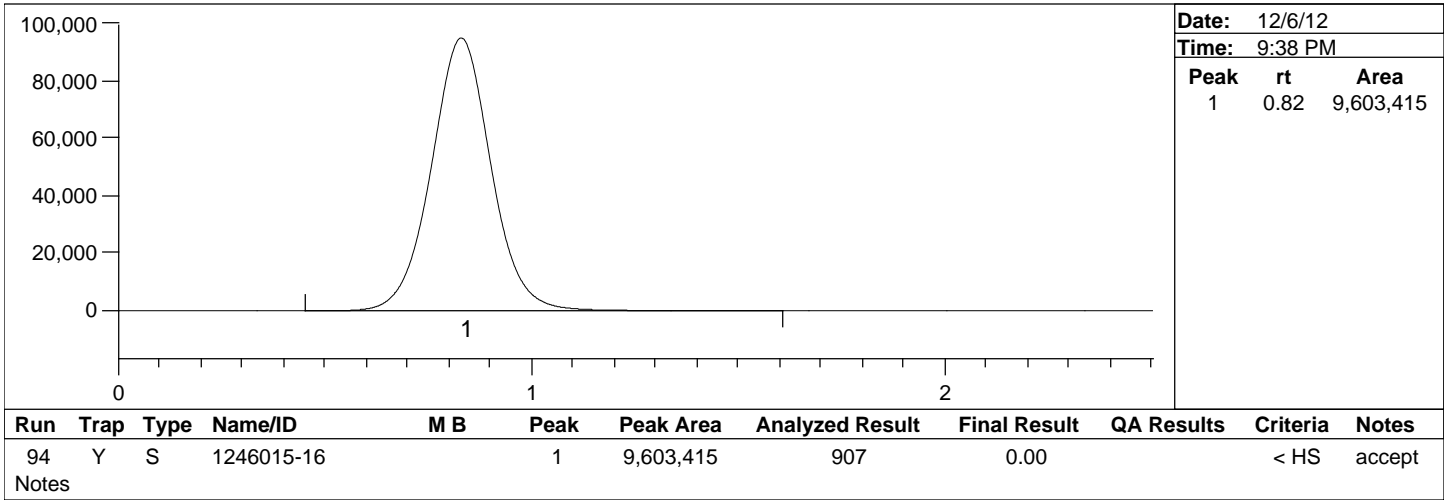
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Project Number(s): 1200906

Instrument ID: THG-06

Date Analyzed: 12/6/12

Analyst Name: MLH



Peak Report

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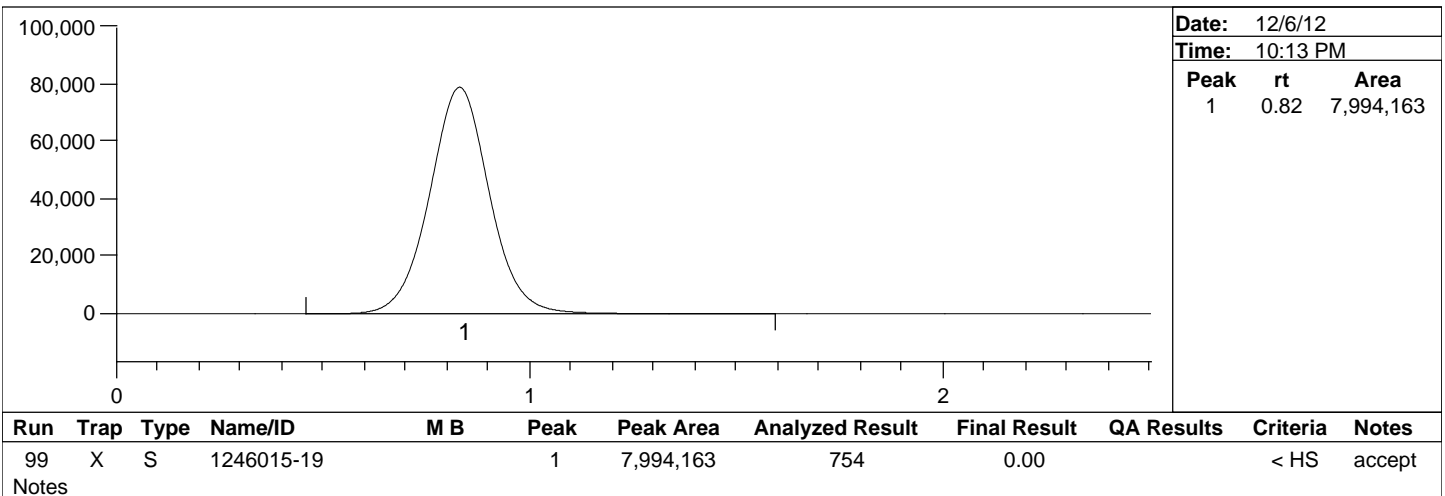
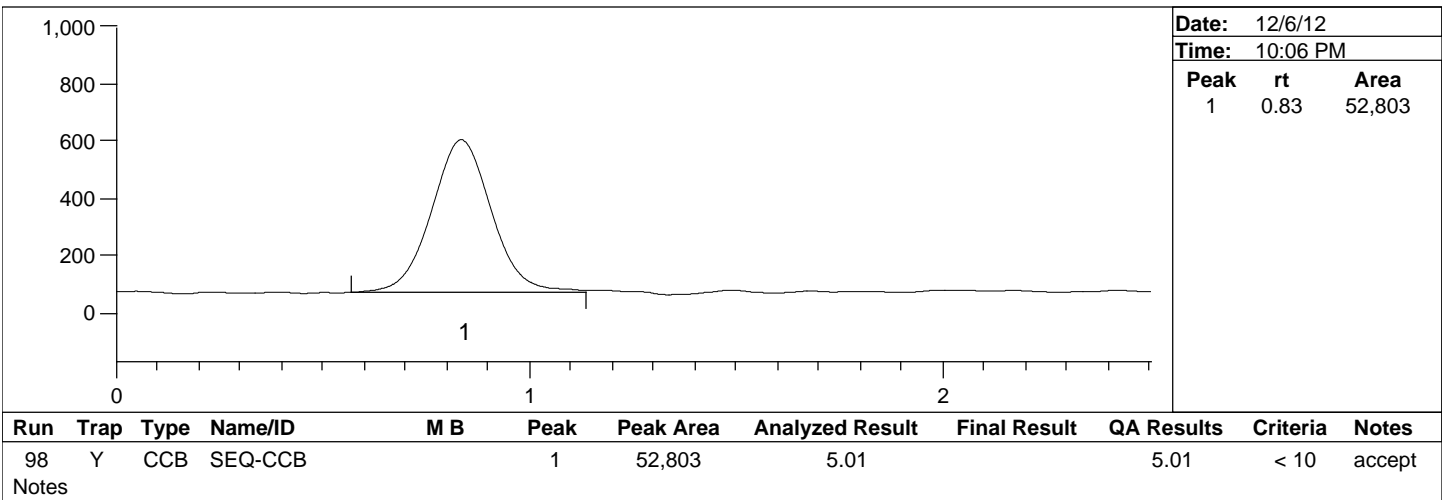
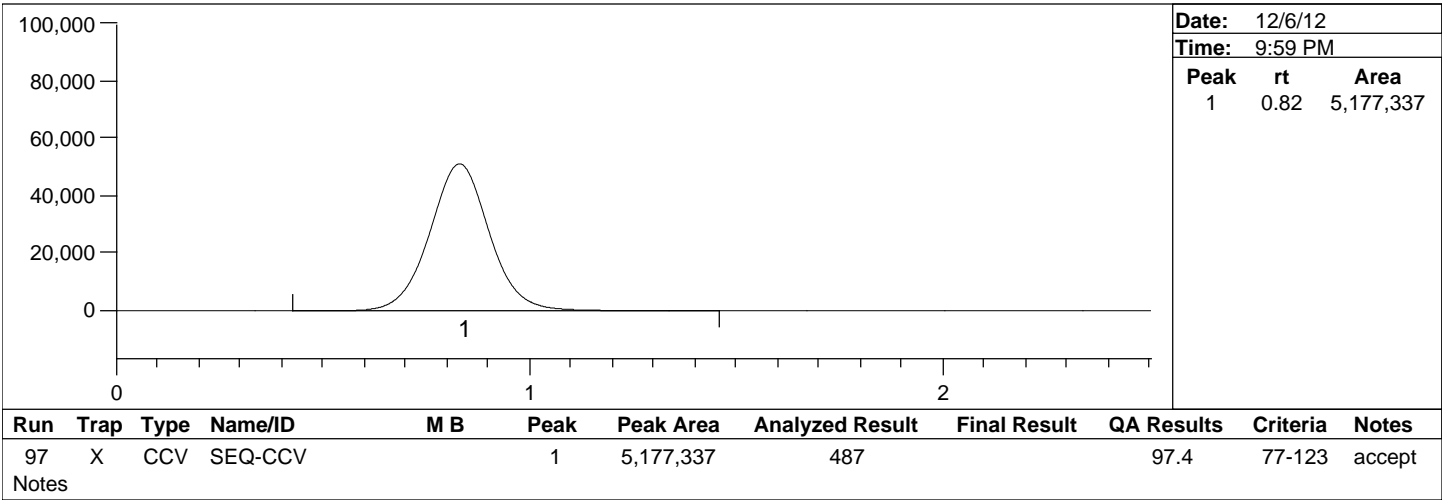
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Project Number(s): 1200906

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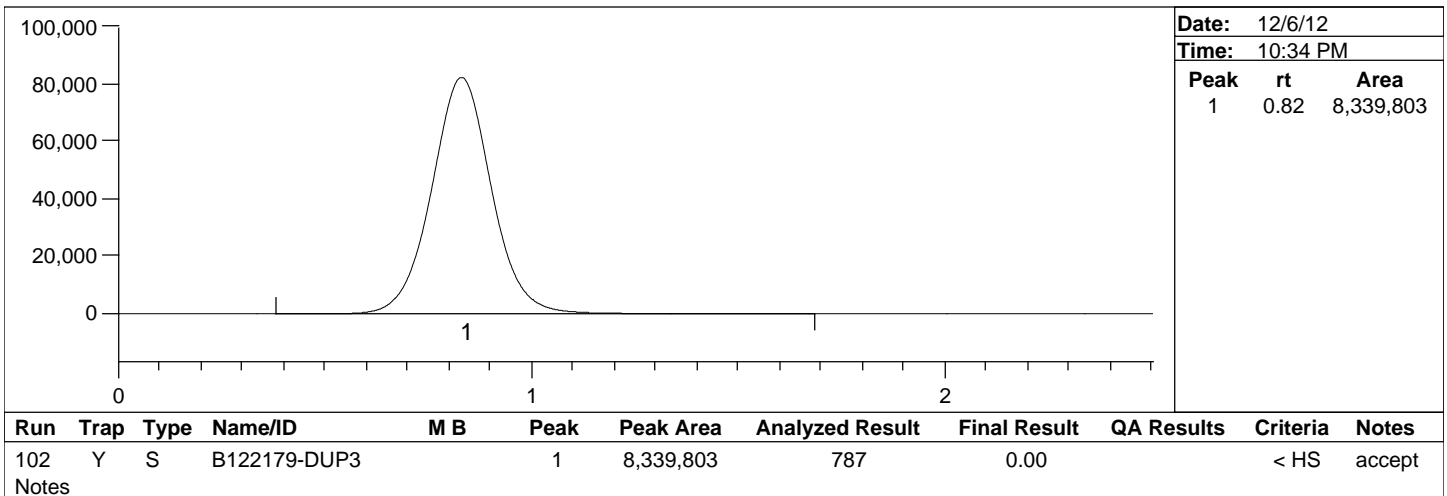
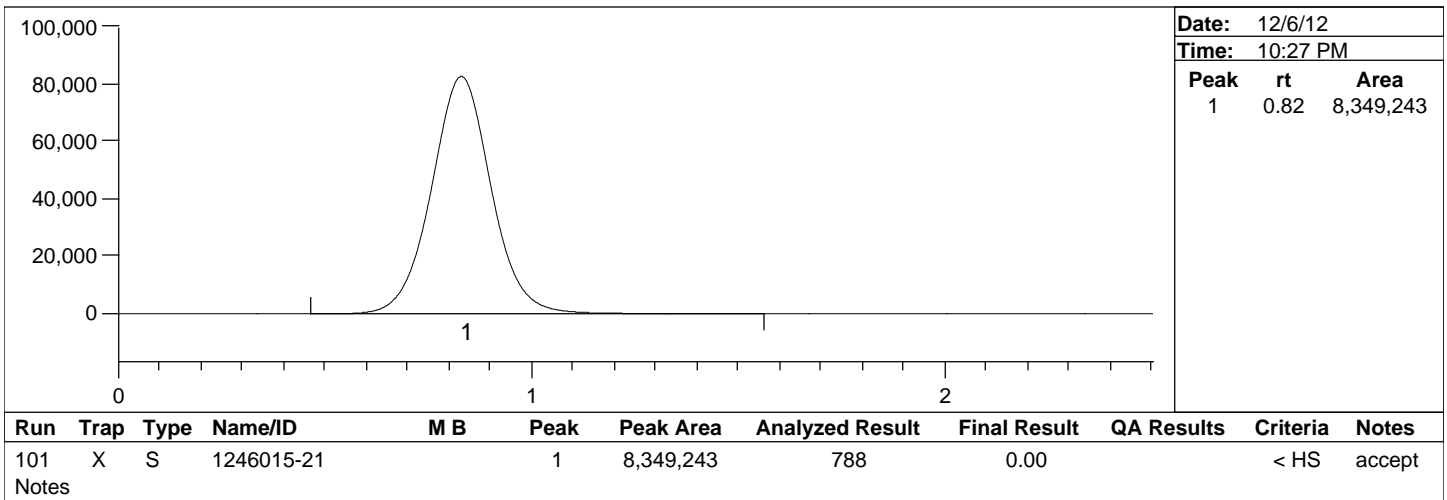
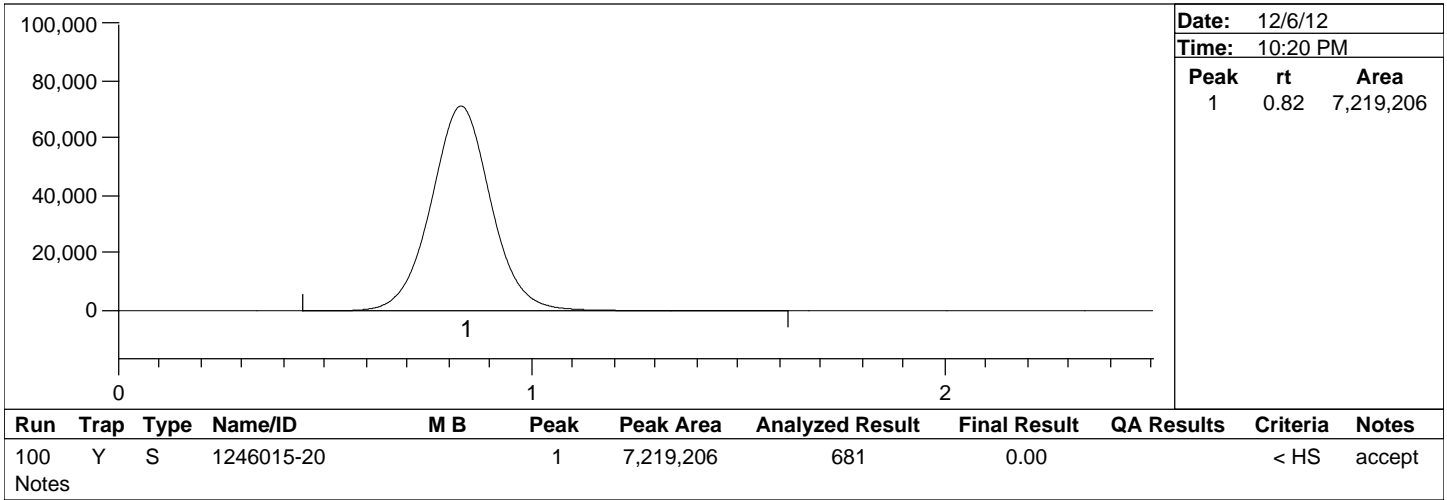
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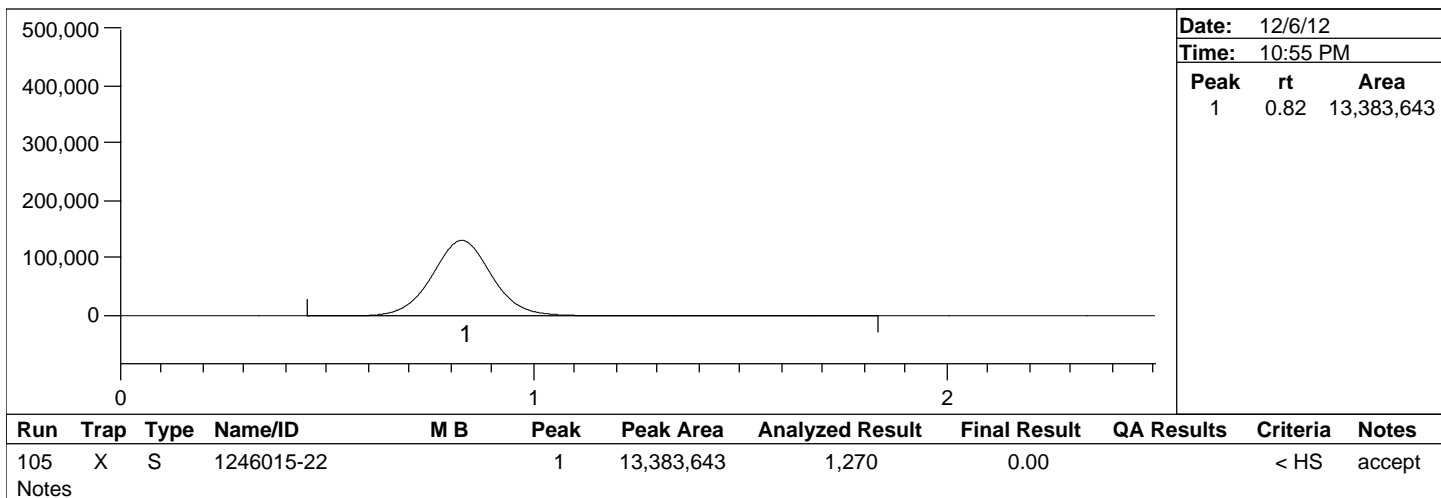
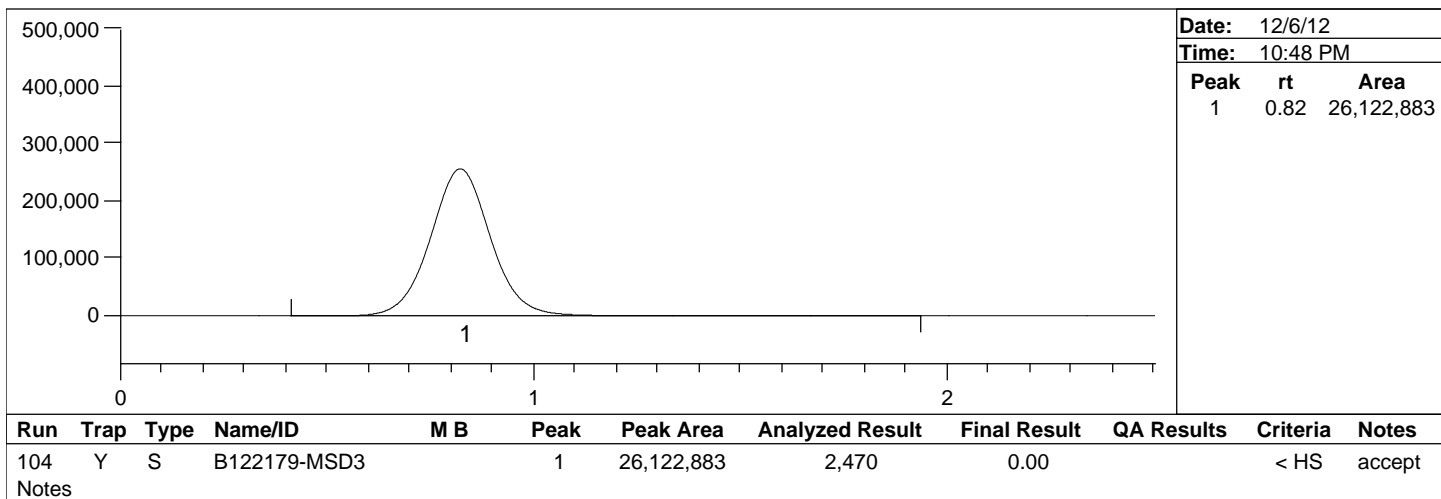
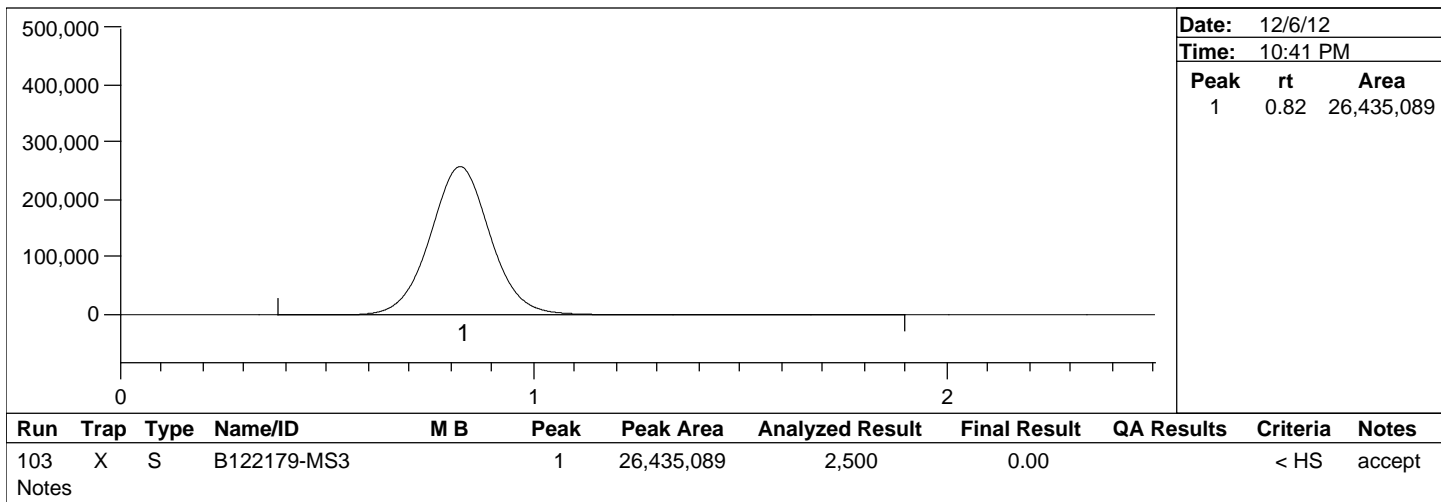
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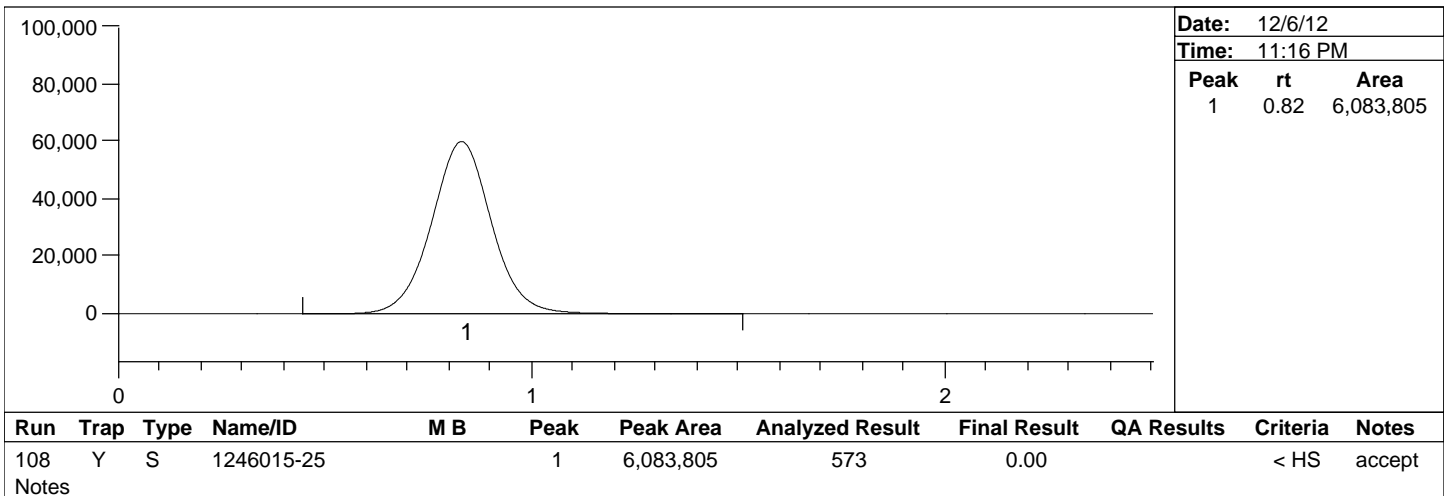
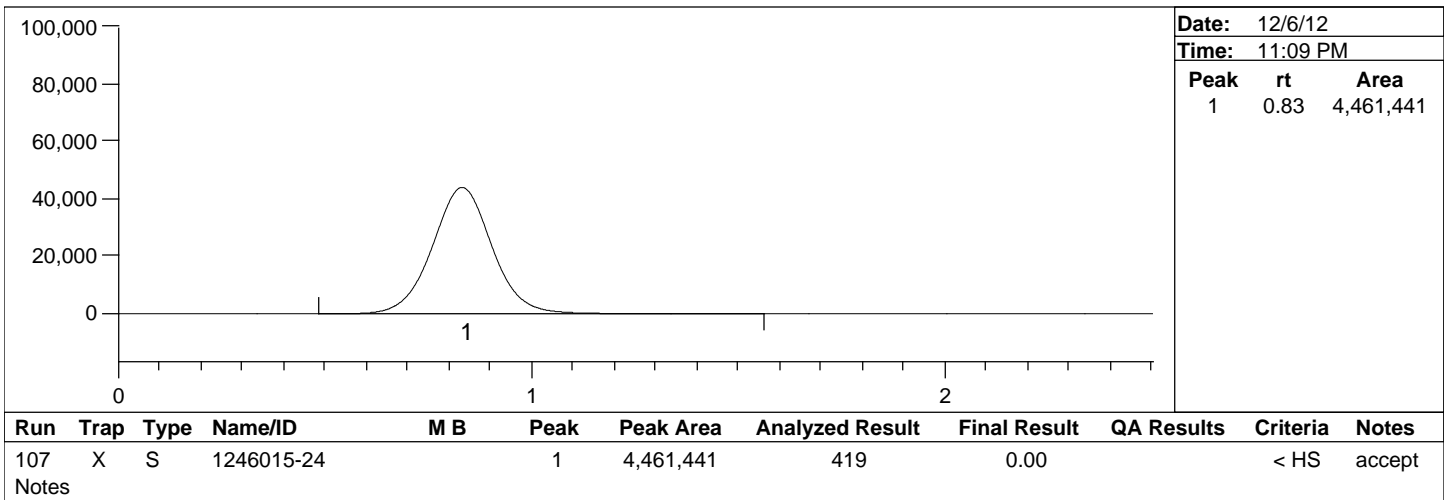
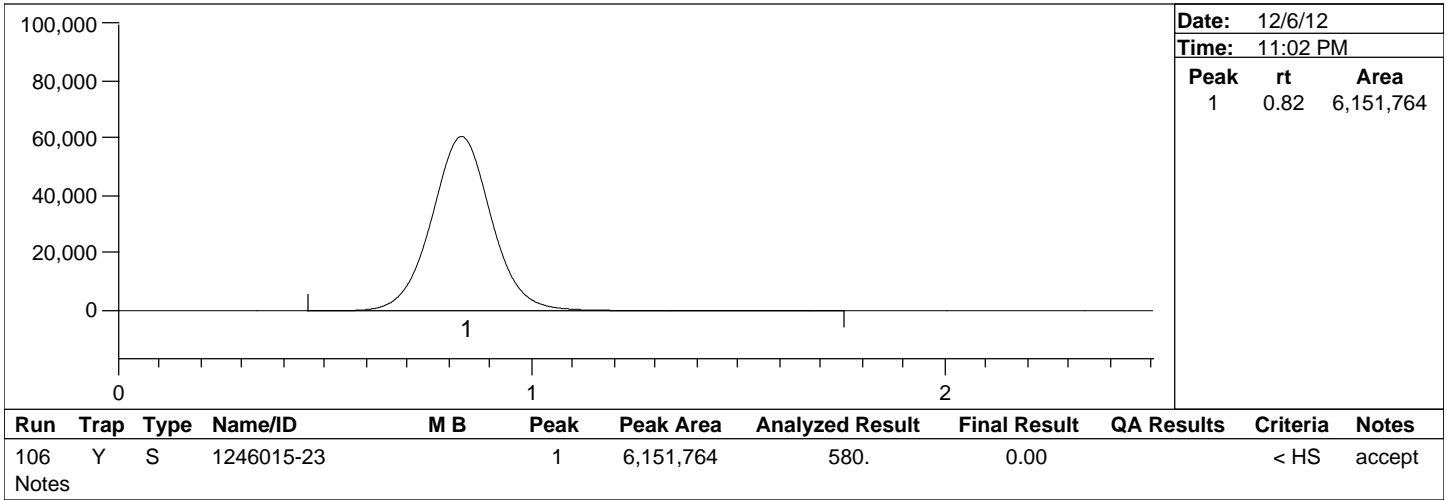
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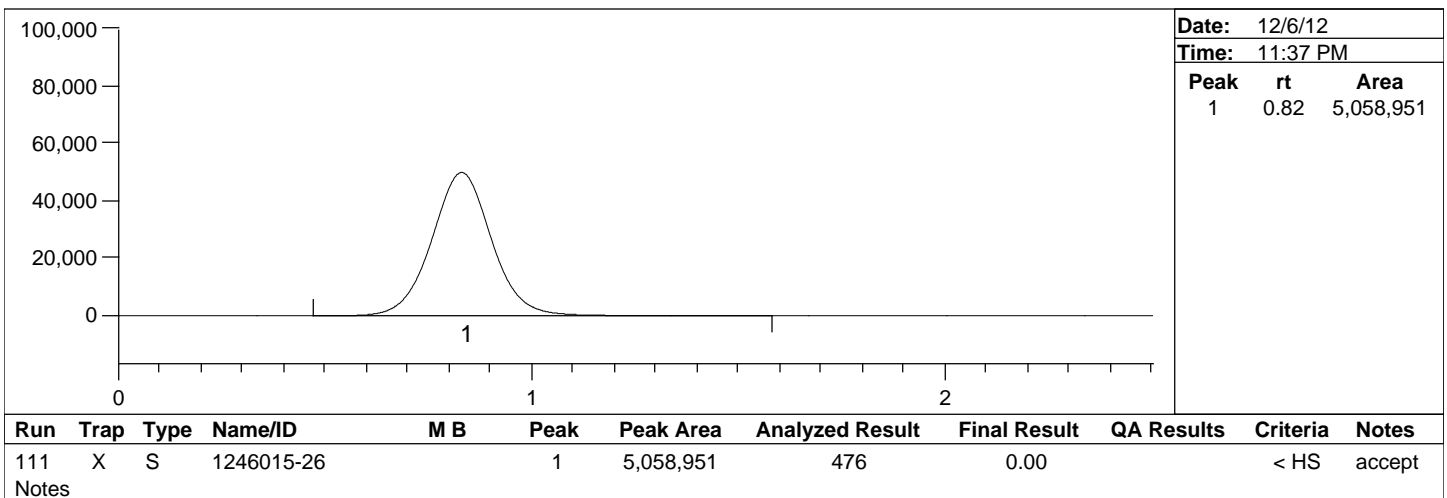
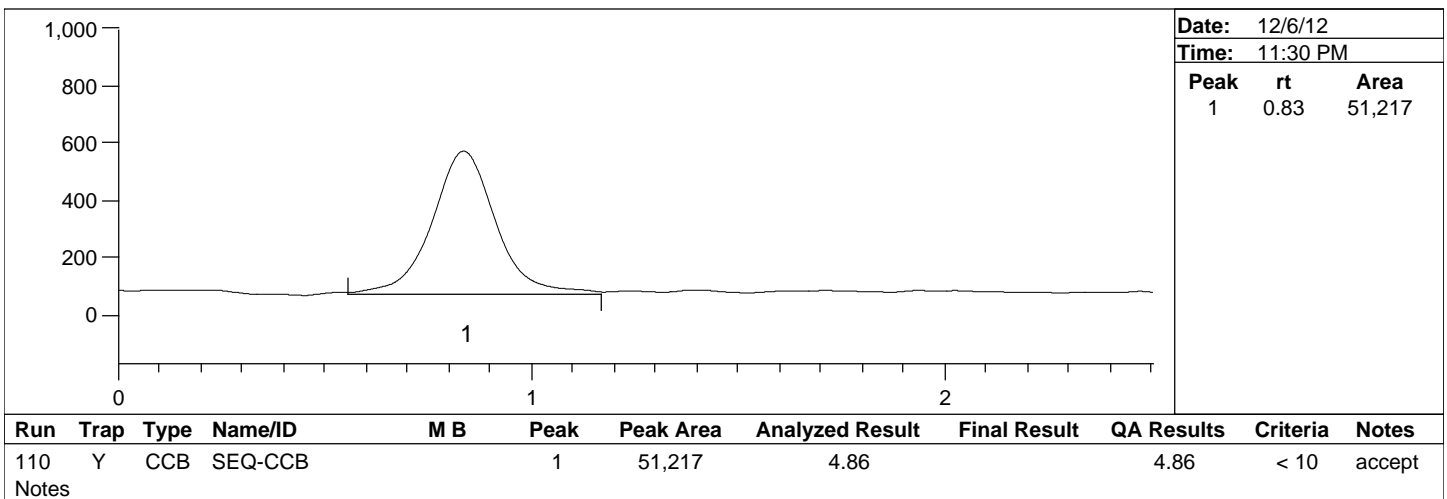
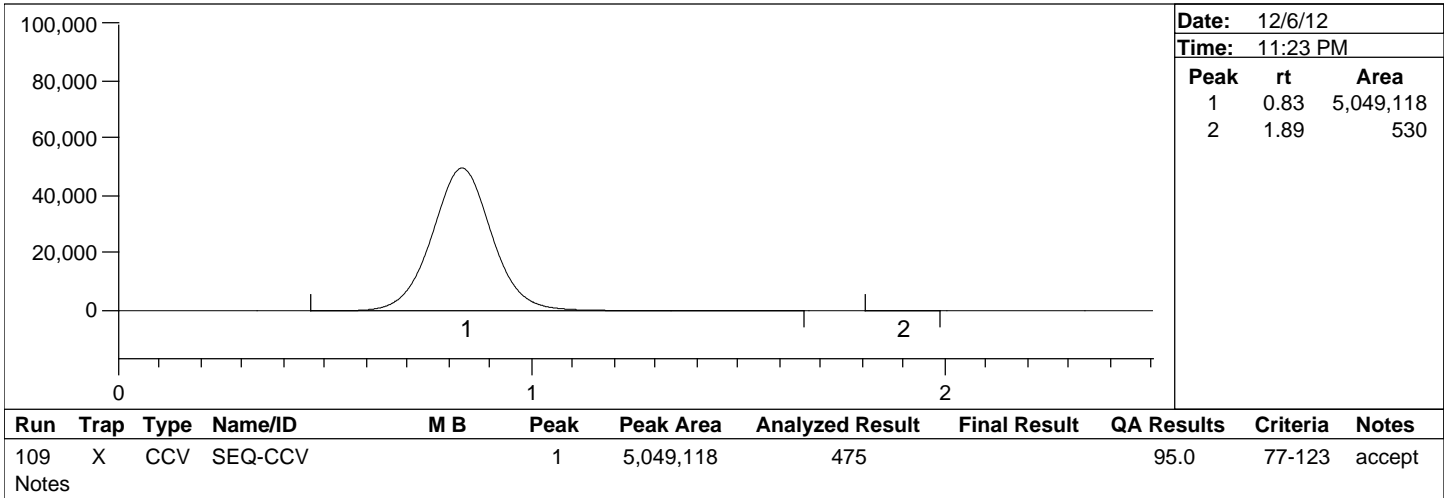
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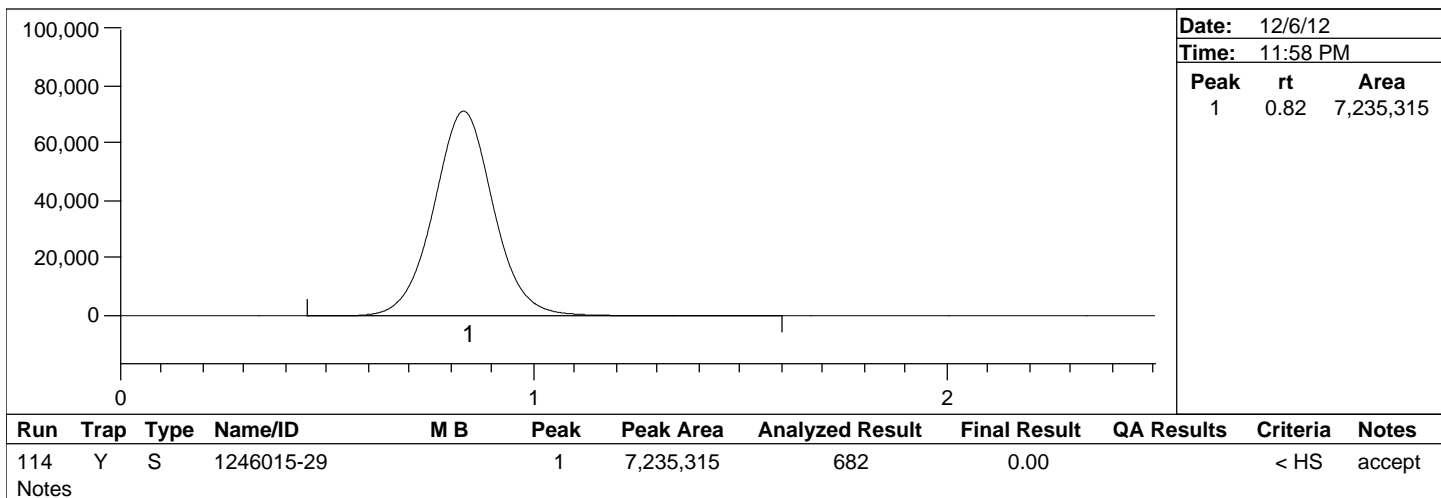
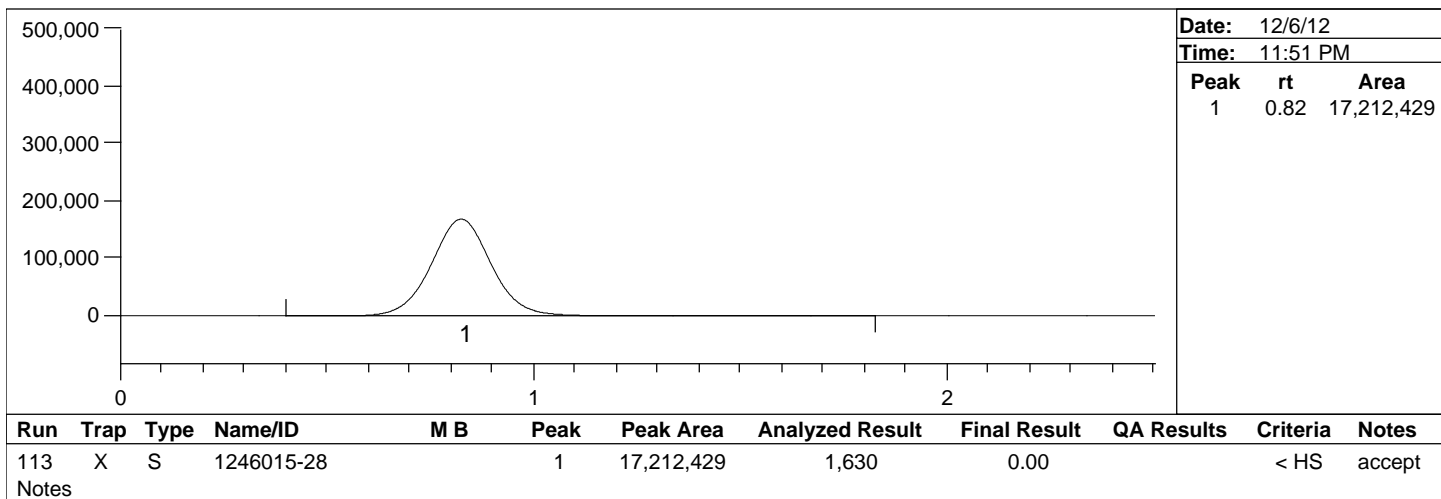
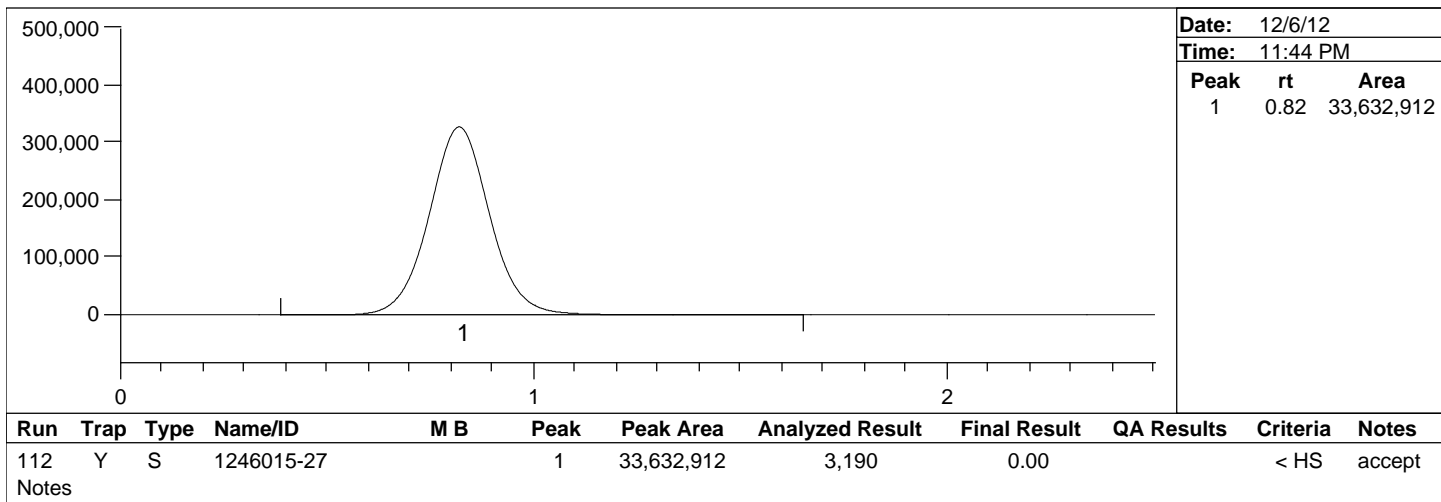
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Project Number(s): 1200906

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Peak Report

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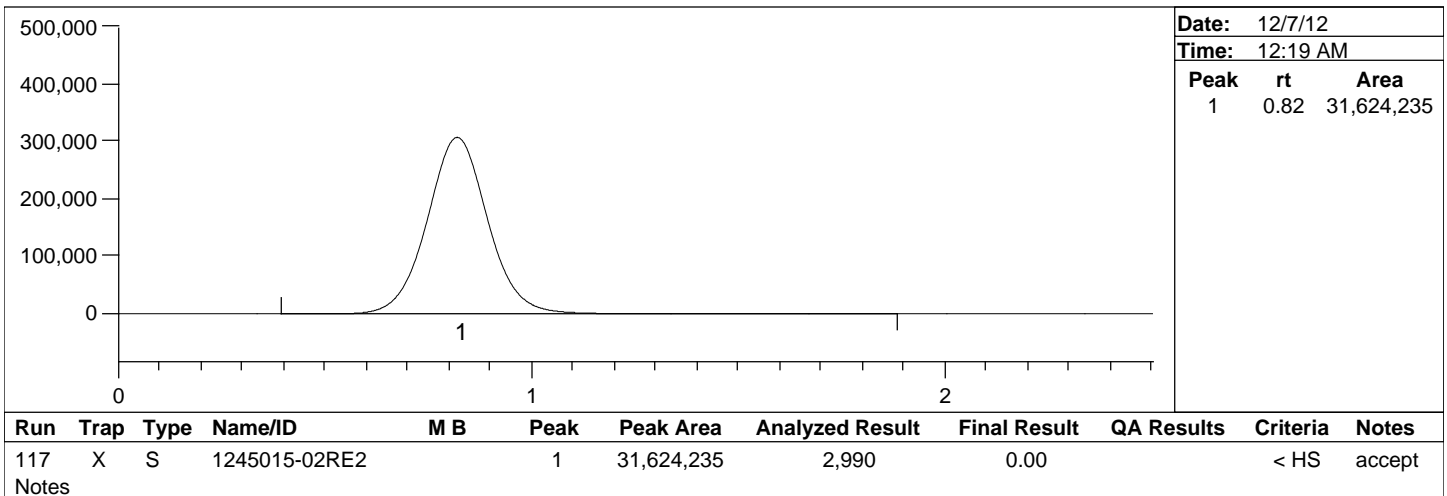
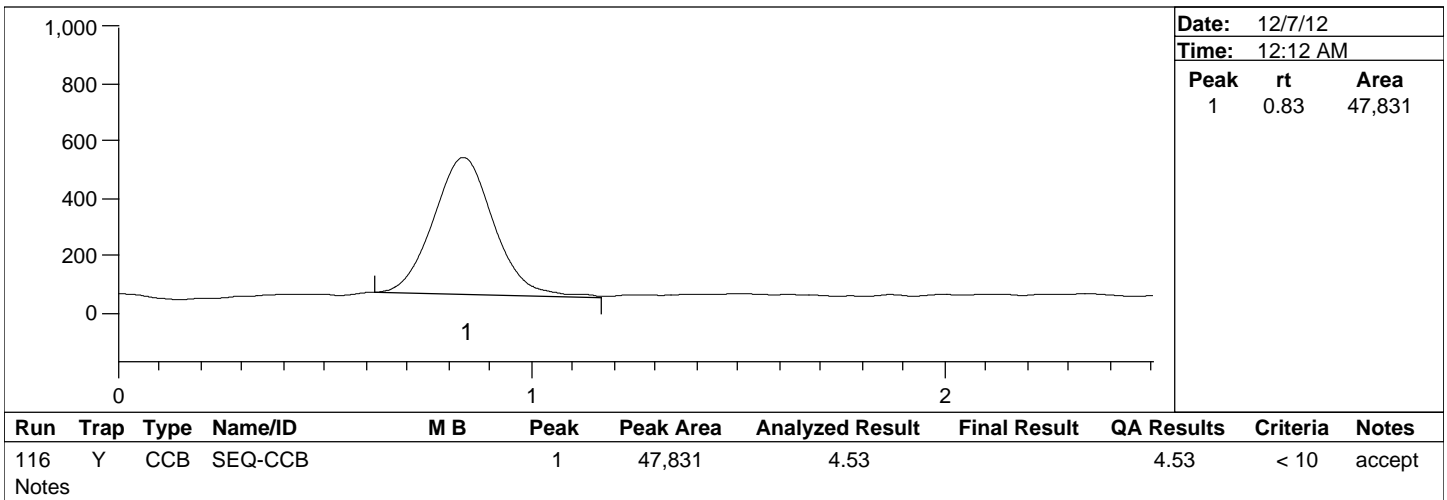
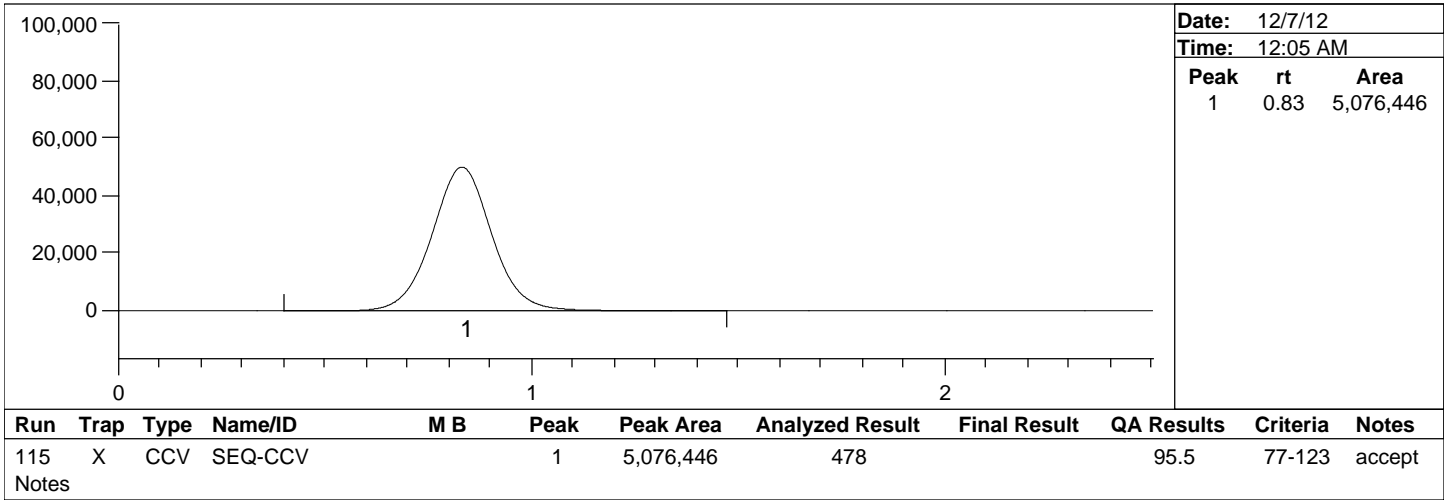
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Project Number(s): 1200906

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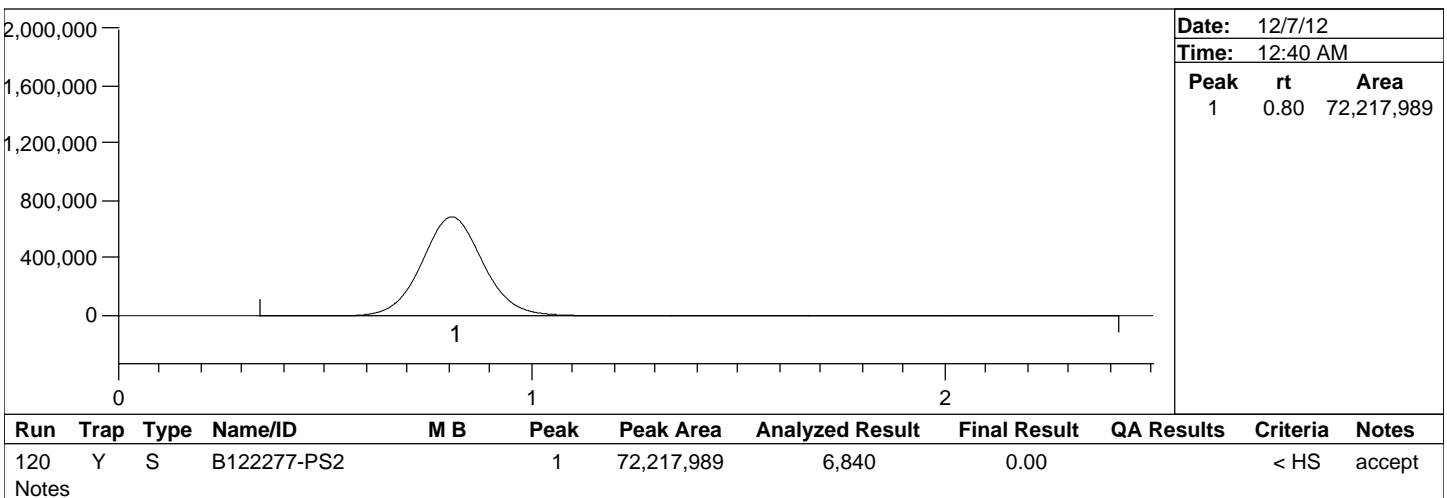
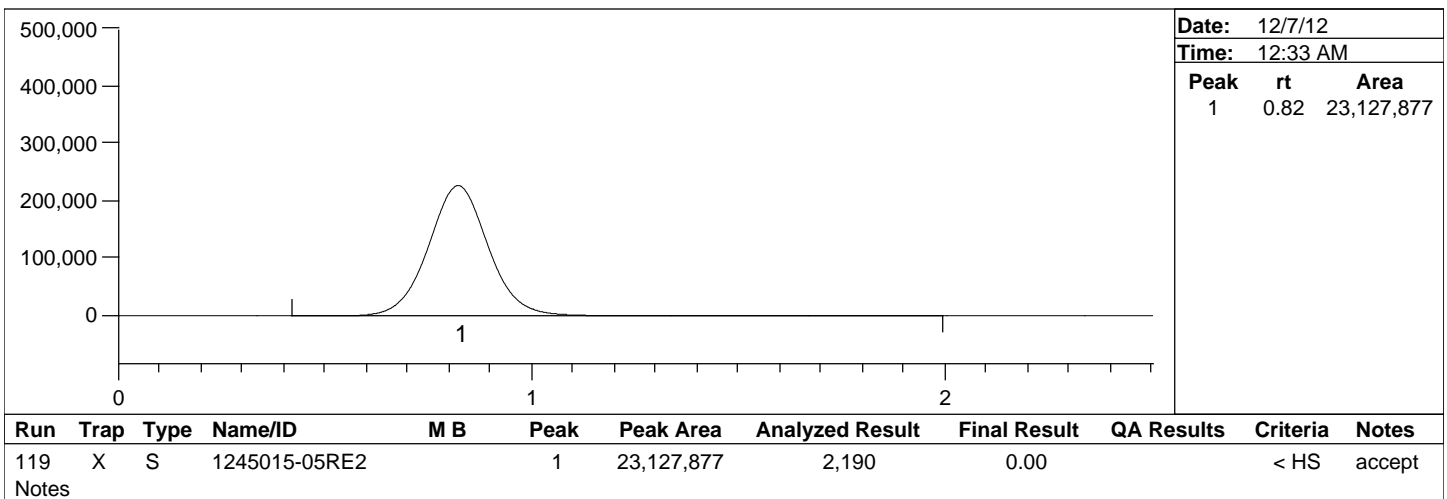
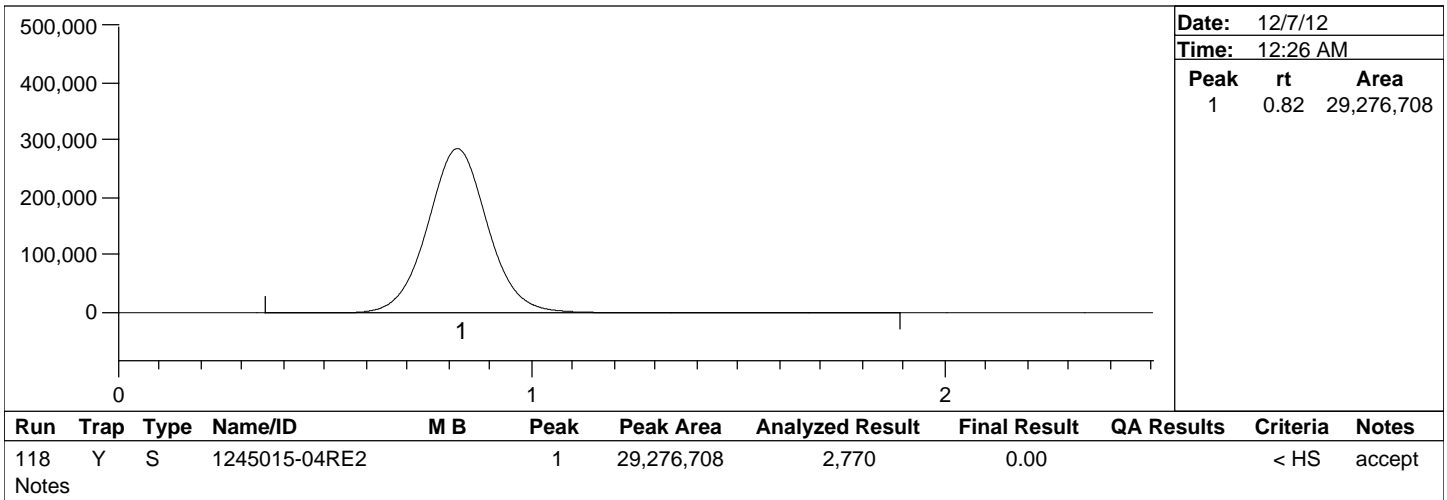
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Project Number(s): 1200906

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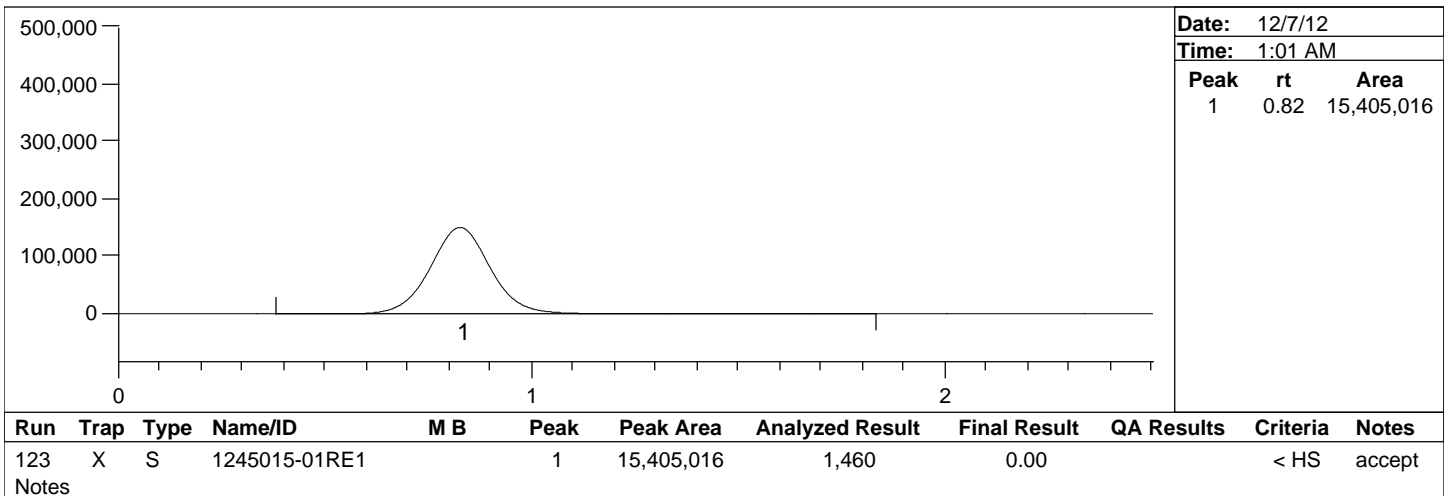
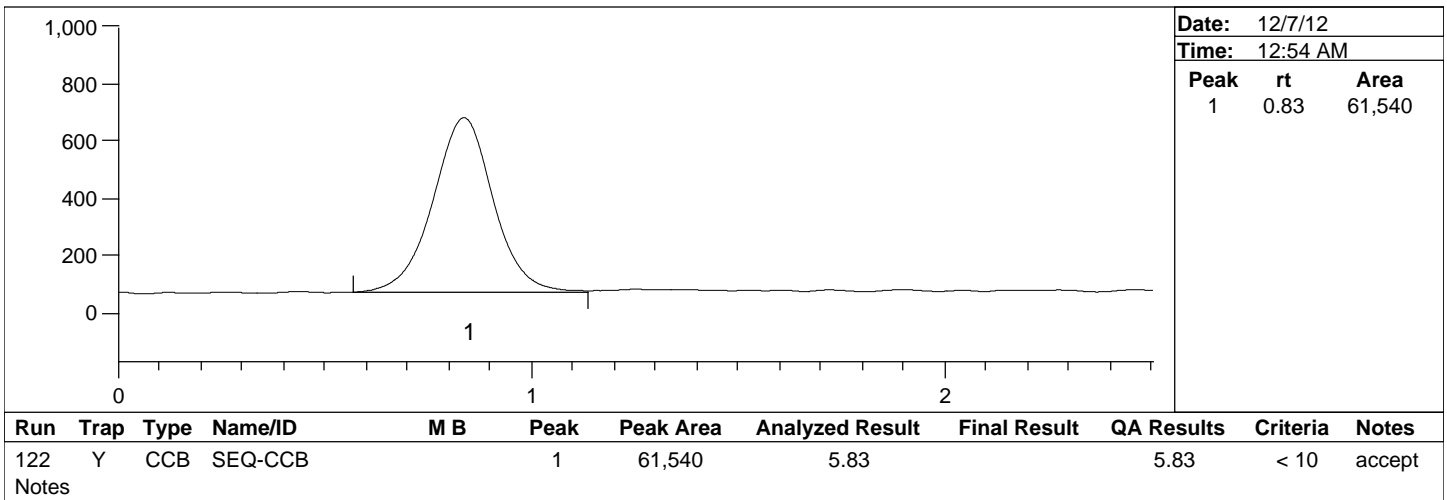
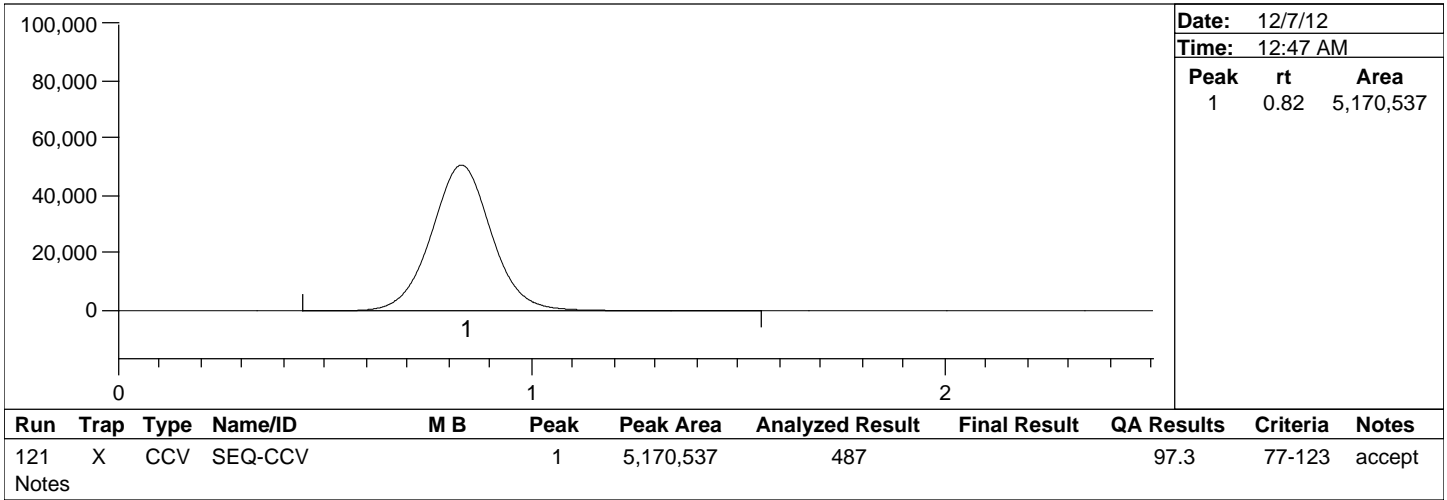
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Project Number(s): 1200906

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Peak Report

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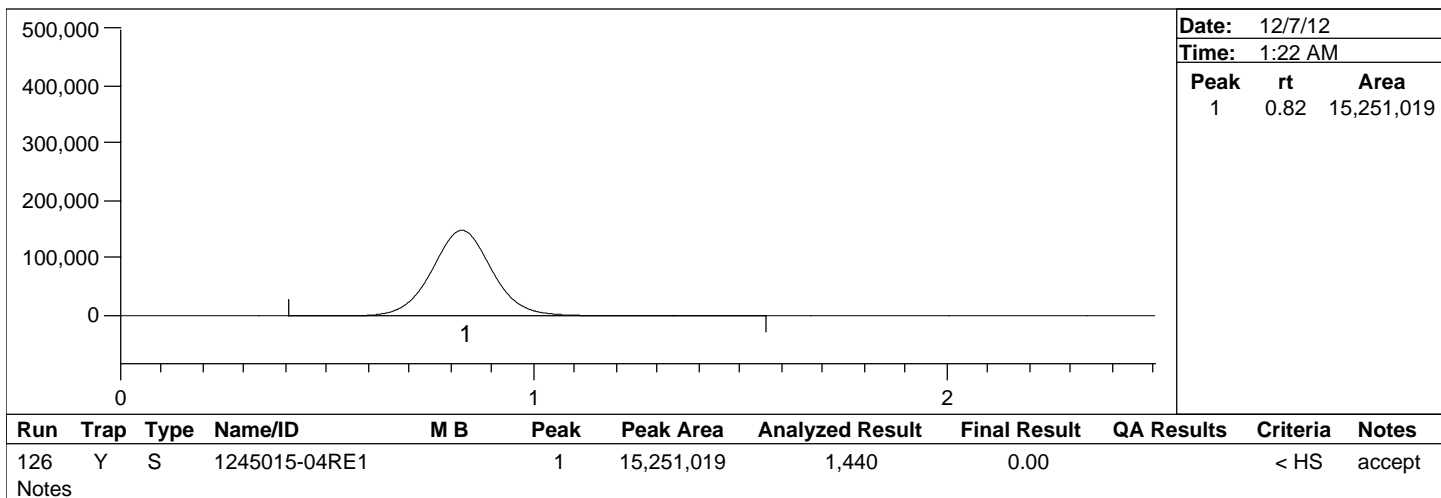
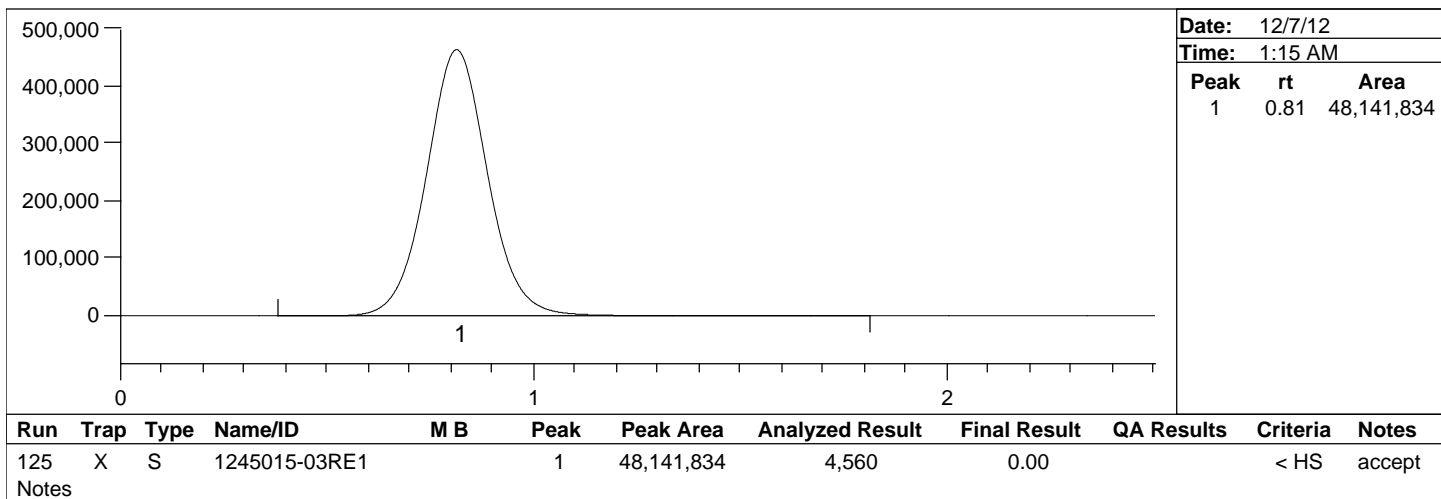
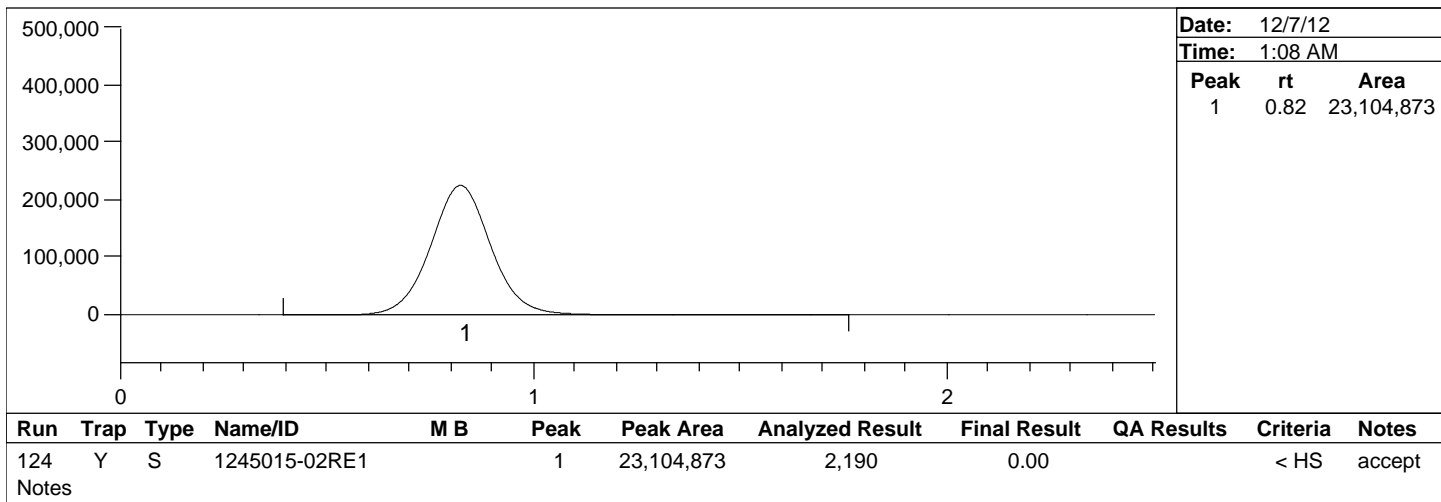
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Project Number(s): 1200906

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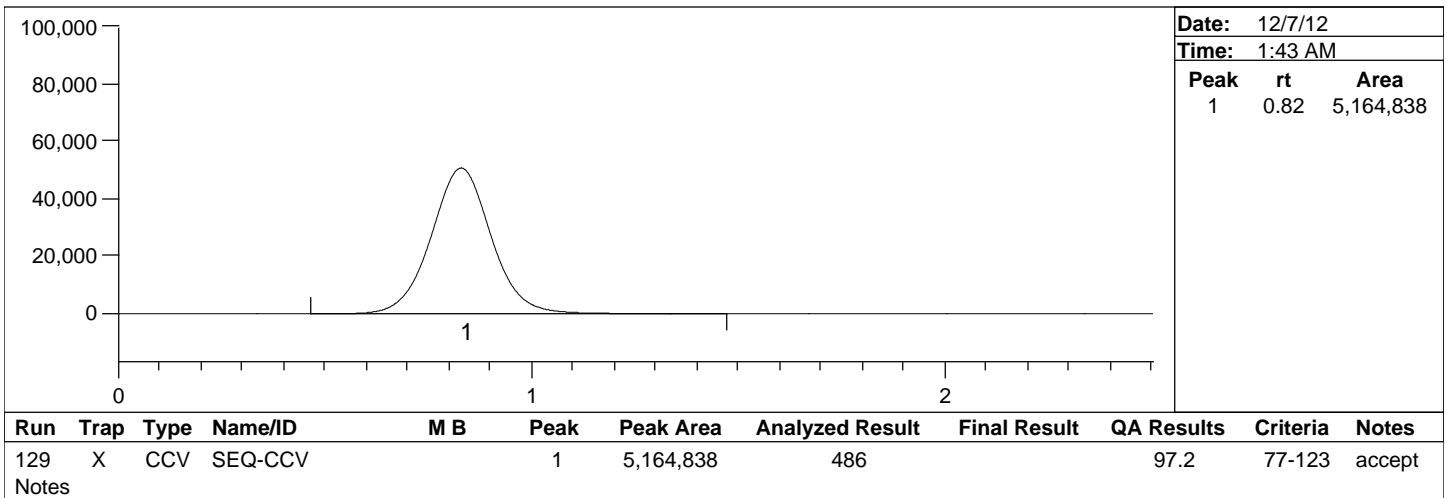
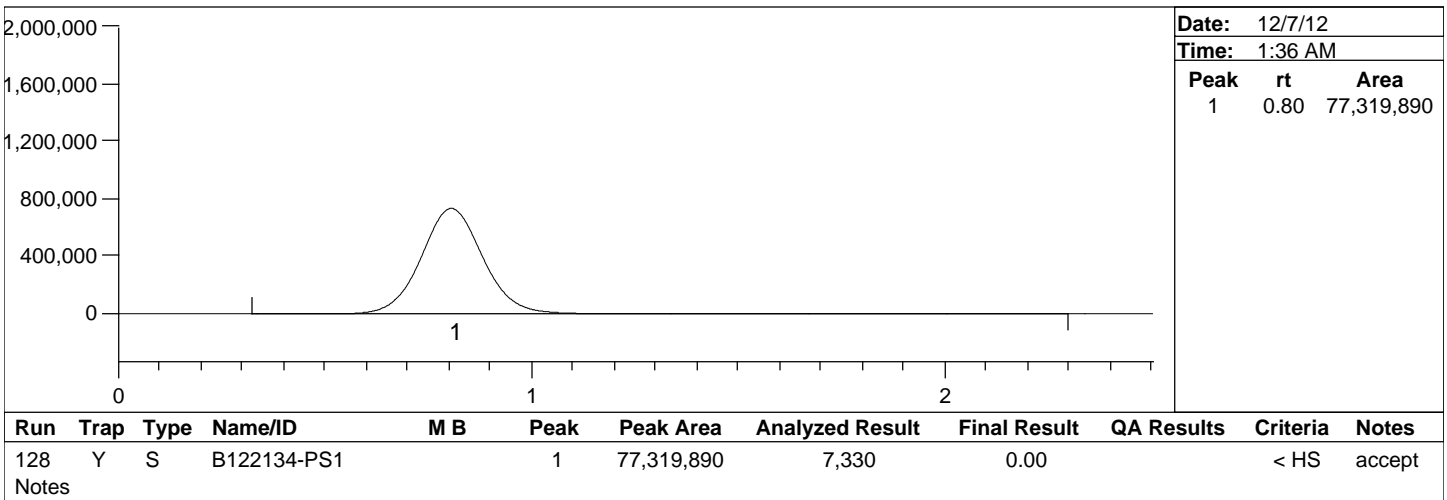
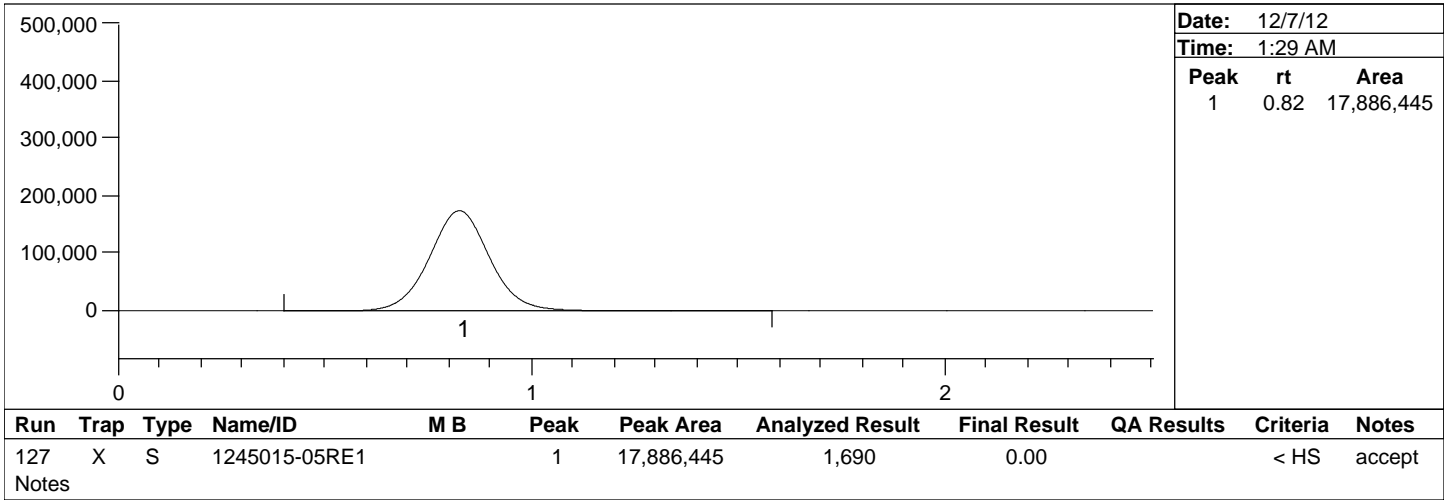
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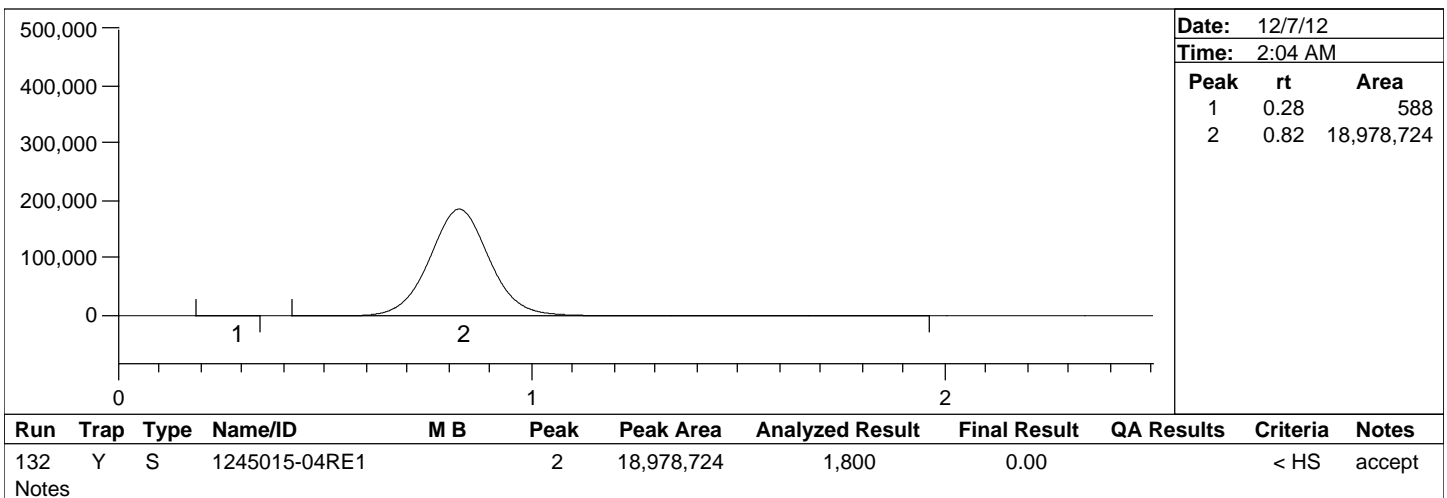
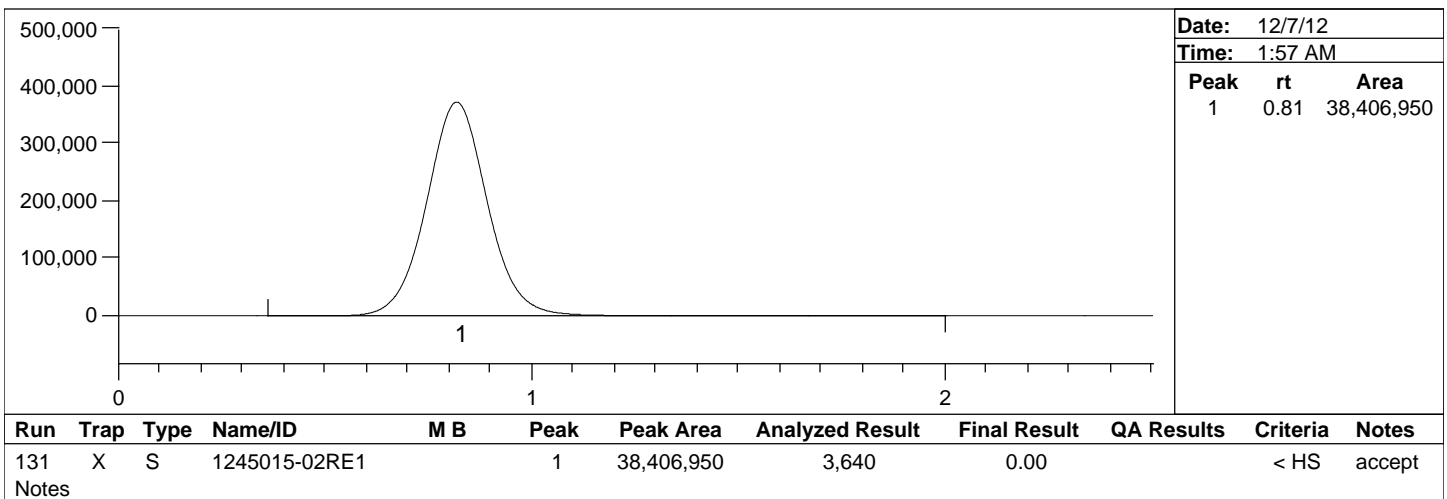
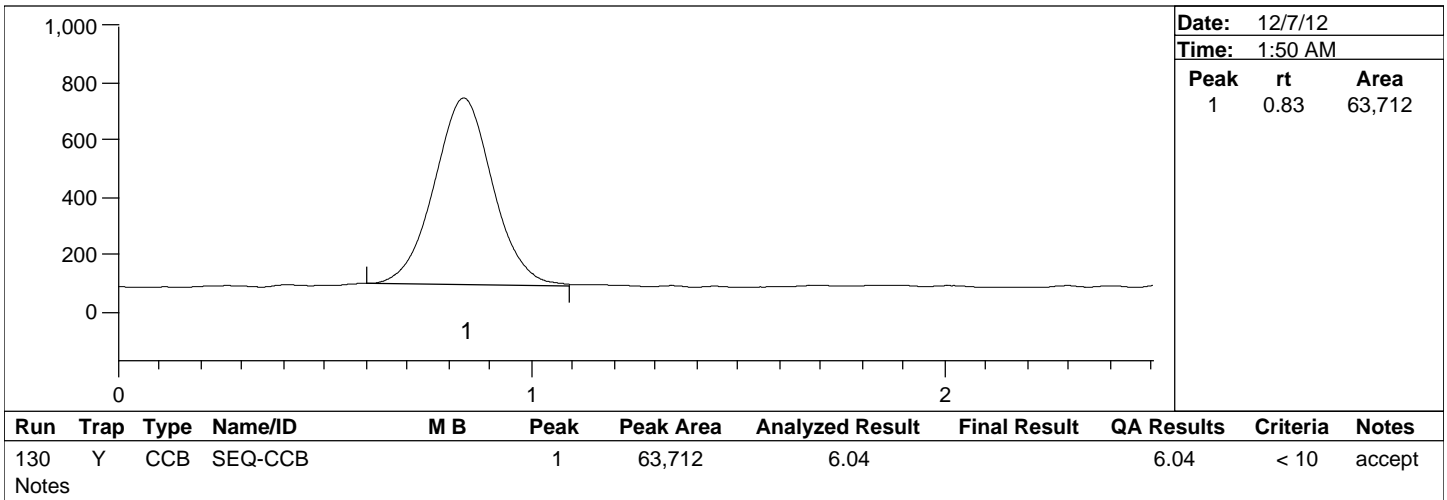
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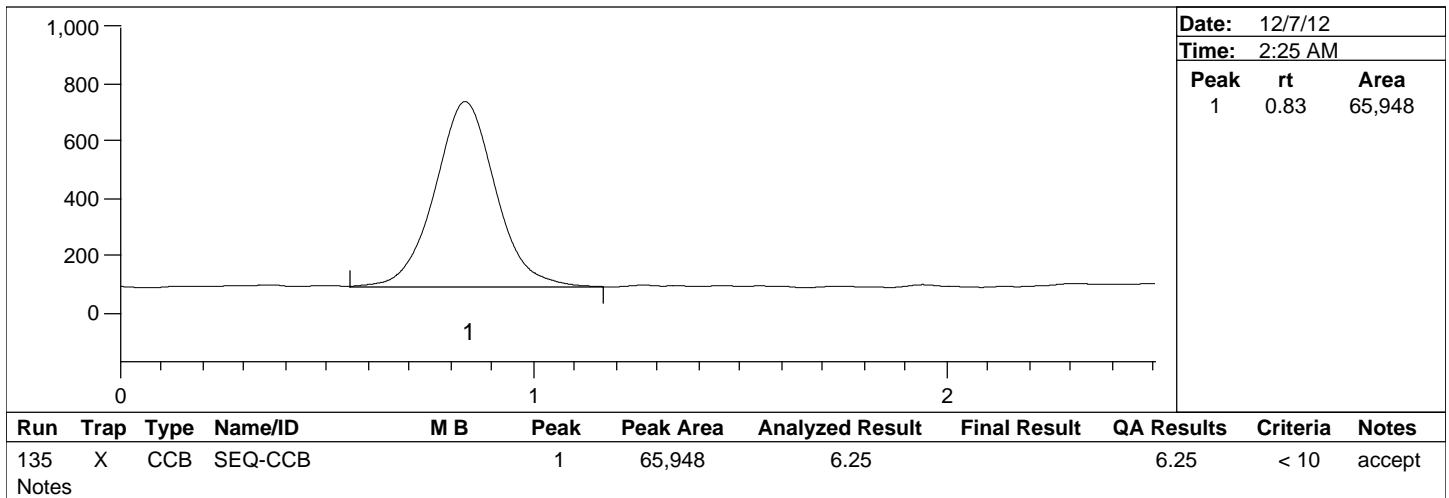
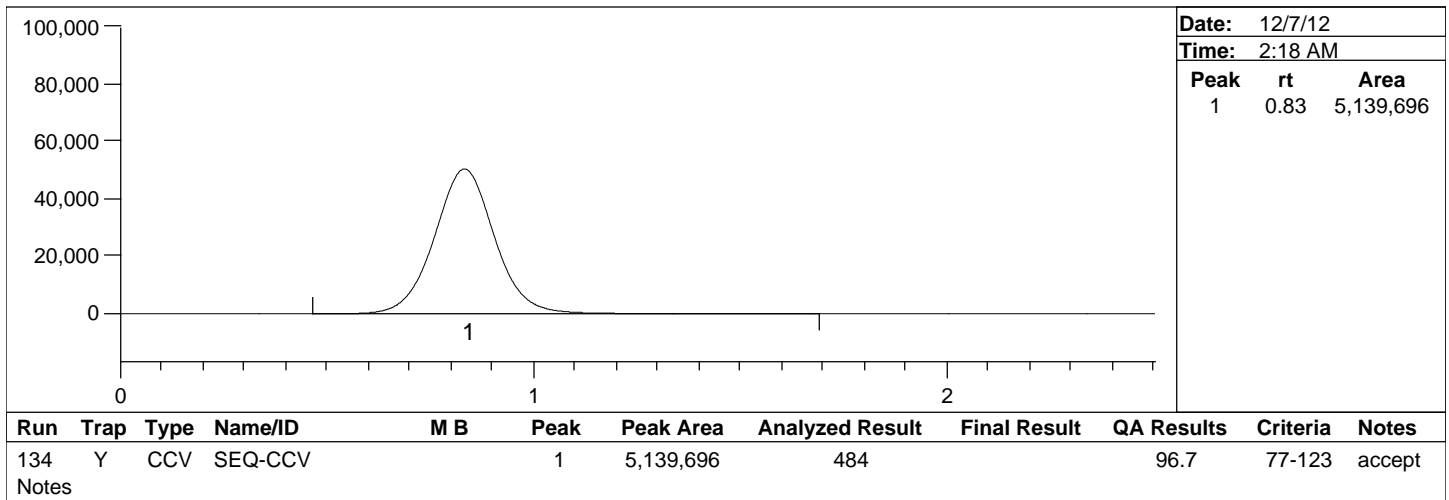
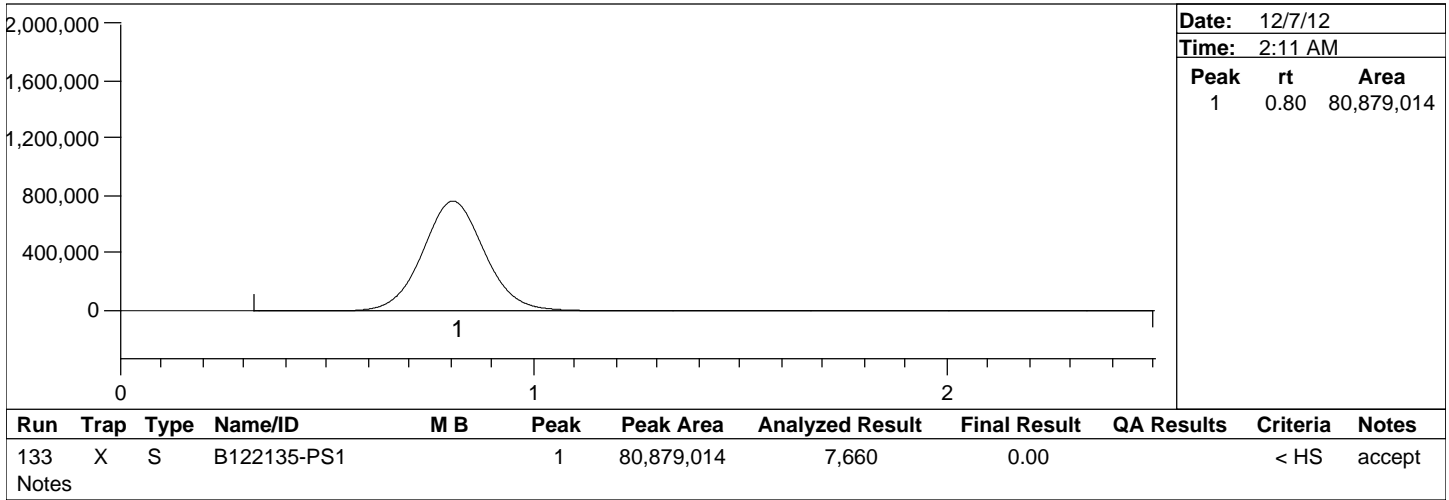
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Project Number(s): 1200906

Instrument ID: THG-06

Date Analyzed: 12/6/12

Analyst Name: MLH



ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200887

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200887-IBL1	1200887	QC	1		-			
1200887-IBL2	1200887	QC	2		-			
1200887-IBL3	1200887	QC	3		-			
1200887-CAL1	1200887	QC	4	1245067	-			
1200887-CAL2	1200887	QC	5	1245068	-			
1200887-CAL3	1200887	QC	6	1245069	-			
1200887-CAL4	1200887	QC	7	1245070	-			
1200887-CAL5	1200887	QC	8	1245071	-			
1200887-CAL6	1200887	QC	9	1245072	-			
1200887-CAL7	1200887	QC	10	1245073	-			
1200887-CCB1	1200887	QC	11		-			
1200887-ICV1	1200887	QC	12	1248004	-			
1200887-CCB2	1200887	QC	13		-			
1200887-CCV1	1200887	QC	14	1245074	-			
1200887-CCB3	1200887	QC	15		-			
1200887-CCB4	1200887	QC	16		-			
1200887-CCB5	1200887	QC	17		-			
B122092-BLK1	B122092	QC	18		-			
B122092-BLK2	B122092	QC	19		-			
B122092-BLK3	B122092	QC	20		-			
B122092-BLK4	B122092	QC	21		-			
B122092-BS1	B122092	QC	22		-			
B122092-BS2	B122092	QC	23		-			
1244024-15	B122092	MeHg-W-Dist-TR	24			DUP002	11/27/2012	
1244024-16	B122092	MeHg-W-Dist-TR	25			DUP002	1/1/1980	BatchQC
1244024-16	B122092	MeHg-W-Dist-Diss	26			DUP002	11/27/2012	

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200887

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
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B122092-MSD1	B122092	QC	28		1244024-16			
1200887-CCV2	1200887	QC	29	1245074	-			
1200887-CCB6	1200887	QC	30		-			
1244024-17	B122092	MeHg-W-Dist-TR	31			DUP002	11/27/2012	
1244024-18	B122092	MeHg-W-Dist-Diss	32			DUP002	11/27/2012	
1244024-19	B122092	MeHg-W-Dist-TR	33			DUP002	11/27/2012	
1244024-20	B122092	MeHg-W-Dist-Diss	34			DUP002	11/27/2012	
1244024-21	B122092	MeHg-W-Dist-TR	35			DUP002	11/27/2012	
1244024-22	B122092	MeHg-W-Dist-Diss	36			DUP002	11/27/2012	
1244024-23	B122092	MeHg-W-Dist-TR	37			DUP002	11/27/2012	
1244024-24	B122092	MeHg-W-Dist-Diss	38			DUP002	11/27/2012	
1244024-25	B122092	MeHg-W-Dist-TR	39			DUP002	11/27/2012	
1244024-26	B122092	MeHg-W-Dist-Diss	40			DUP002	11/27/2012	
1200887-CCV3	1200887	QC	41	1245074	-			
1200887-CCB7	1200887	QC	42		-			
1244024-27	B122092	MeHg-W-Dist-TR	43			DUP002	11/27/2012	
1244024-28	B122092	MeHg-W-Dist-Diss	44			DUP002	11/27/2012	
1244024-29	B122092	MeHg-W-Dist-TR	45			DUP002	11/27/2012	
1244024-29	B122092	MeHg-W-Dist-Diss	46			DUP002	1/1/1980	BatchQC
B122092-MS2	B122092	QC	47		1244024-29			
B122092-MSD2	B122092	QC	48		1244024-29			
1244024-30	B122092	MeHg-W-Dist-Diss	49			DUP002	11/27/2012	
1244032-12	B122092	MeHg-W-Dist-TR	50			CRA-NF1201	11/27/2012	
1244032-24	B122092	MeHg-W-Dist-TR	51			CRA-NF1201	11/27/2012	
1244032-36	B122092	MeHg-W-Dist-TR	52			CRA-NF1201	11/27/2012	

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200887

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1245025-01	B122092	MeHg-W-Dist-TR	53			TST-SF1001	11/27/2012	
1200887-CCV4	1200887	QC	54	1245074	-			
1200887-CCB8	1200887	QC	55		-			
1245025-02	B122092	MeHg-W-Dist-TR	56			TST-SF1001	11/27/2012	
1245025-03	B122092	MeHg-W-Dist-TR	57			TST-SF1001	11/27/2012	
1245025-03	B122092	MeHg-W-Dist-Diss	58			TST-SF1001	1/1/1980	BatchQC
B122092-MS3	B122092	QC	59		1245025-03			
B122092-MSD3	B122092	QC	60		1245025-03			
1245025-04	B122092	MeHg-W-Dist-TR	61			TST-SF1001	11/27/2012	
1245025-05	B122092	MeHg-W-Dist-TR	62			TST-SF1001	11/27/2012	
1245025-06	B122092	MeHg-W-Dist-TR	63			TST-SF1001	11/27/2012	
1245025-07	B122092	MeHg-W-Dist-TR	64			TST-SF1001	11/27/2012	
1245025-08	B122092	MeHg-W-Dist-TR	65			TST-SF1001	11/27/2012	
1245026-01	B122092	MeHg-W-Dist-TR	66			TST-SF1001	11/27/2012	
1200887-CCV5	1200887	QC	67	1245074	-			
1200887-CCB9	1200887	QC	68		-			
1245026-02	B122092	MeHg-W-Dist-TR	69			TST-SF1001	11/27/2012	
1245026-03	B122092	MeHg-W-Dist-TR	70			TST-SF1001	11/27/2012	
1200887-CCV6	1200887	QC	71	1245074	-			
1200887-CCBA	1200887	QC	72		-			
B122127-BLK1	B122127	QC	73		-			
B122127-BLK2	B122127	QC	74		-			
B122127-BLK3	B122127	QC	75		-			
B122127-BLK4	B122127	QC	76		-			
B122127-BS1	B122127	QC	77		-			
B122127-BS2	B122127	QC	78		-			

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200887

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1245001-12	B122127	MeHg-W-Dist-TR	79			CRA-NF1201	11/28/2012	
1245001-24	B122127	MeHg-W-Dist-TR	80			CRA-NF1201	11/28/2012	
1245001-26	B122127	MeHg-W-Dist-TR	81			CRA-NF1201	11/28/2012	
1245005-09	B122127	MeHg-W-Dist-TR	82			UDE-SL1201	12/5/2012	
1200887-CCV7	1200887	QC	83	1245074	-			
1200887-CCBB	1200887	QC	84		-			
1245005-10	B122127	MeHg-W-Dist-TR	85			UDE-SL1201	12/5/2012	
1245005-11	B122127	MeHg-W-Dist-TR	86			UDE-SL1201	12/5/2012	
B122127-MS1	B122127	QC	87		1245005-11			
B122127-MSD1	B122127	QC	88		1245005-11			
1245005-12	B122127	MeHg-W-Dist-TR	89			UDE-SL1201	12/5/2012	
1245005-13	B122127	MeHg-W-Dist-TR	90			UDE-SL1201	12/5/2012	
1245005-14	B122127	MeHg-W-Dist-TR	91			UDE-SL1201	12/5/2012	
1245005-15	B122127	MeHg-W-Dist-TR	92			UDE-SL1201	12/5/2012	
1245005-16	B122127	MeHg-W-Dist-TR	93			UDE-SL1201	12/5/2012	
B122127-MS2	B122127	QC	94		1245005-16			
1200887-CCV8	1200887	QC	95	1245074	-			
1200887-CCBC	1200887	QC	96		-			
B122127-MSD2	B122127	QC	97		1245005-16			
1245005-17	B122127	MeHg-W-Dist-TR	98			UDE-SL1201	12/5/2012	
1245005-18	B122127	MeHg-W-Dist-TR	99			UDE-SL1201	12/5/2012	
1245005-19	B122127	MeHg-W-Dist-TR	100			UDE-SL1201	12/5/2012	
1245005-20	B122127	MeHg-W-Dist-TR	101			UDE-SL1201	12/5/2012	
1245005-21	B122127	MeHg-W-Dist-TR	102			UDE-SL1201	12/5/2012	
1245005-22	B122127	MeHg-W-Dist-TR	103			UDE-SL1201	12/5/2012	
1245005-23	B122127	MeHg-W-Dist-TR	104			UDE-SL1201	12/5/2012	

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200887

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1245005-24	B122127	MeHg-W-Dist-TR	105			UDE-SL1201	12/5/2012	
1245006-12	B122127	MeHg-W-Dist-TR	106			CRA-NF1201	11/29/2012	
1200887-CCV9	1200887	QC	107	1245074	-			
1200887-CCBD	1200887	QC	108		-			
1245006-24	B122127	MeHg-W-Dist-TR	109			CRA-NF1201	11/29/2012	
B122127-MS3	B122127	QC	110		1245006-24			
B122127-MSD3	B122127	QC	111		1245006-24			
1245006-37	B122127	MeHg-W-Dist-TR	112			CRA-NF1201	11/29/2012	
1245006-49	B122127	MeHg-W-Dist-TR	113			CRA-NF1201	11/29/2012	
1245006-50	B122127	MeHg-W-Dist-TR	114			CRA-NF1201	11/29/2012	
1245006-62	B122127	MeHg-W-Dist-TR	115			CRA-NF1201	11/29/2012	
1245006-74	B122127	MeHg-W-Dist-TR	116			CRA-NF1201	11/29/2012	
1245006-86	B122127	MeHg-W-Dist-TR	117			CRA-NF1201	11/29/2012	
1245034-01	B122127	MeHg-W-Dist-TR	118			EBM-OA1001	12/4/2012	
1200887-CCVA	1200887	QC	119	1245074	-			
1200887-CCBE	1200887	QC	120		-			
1245035-01	B122127	MeHg-W-Dist-TR	121			EBM-OA1001	12/4/2012	
1246023-01	B122127	MeHg-W-Dist-TR	122			SFL-JC1001	11/28/2012	
1200887-CCVB	1200887	QC	123	1245074	-			
1200887-CCBF	1200887	QC	124		-			
B122077-BLK5	B122077	QC	125		-			
B122077-BLK6	B122077	QC	126		-			
B122077-BLK7	B122077	QC	127		-			
B122077-BLK8	B122077	QC	128		-			
B122077-SRM2	B122077	QC	129		-			
1244021-01RE1	B122077	MeHg-B-KOH/Me	130			TRC-LW1001	11/26/2012	Added 11/29/2012 by BJT

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200887

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1244021-02RE1	B122077	MeHg-B-KOH/Me	131			TRC-LW1001	11/26/2012	Added 11/29/2012 by BJT
1244021-03RE1	B122077	MeHg-B-KOH/Me	132			TRC-LW1001	11/26/2012	Added 11/29/2012 by BJT
B122077-DUP2	B122077	QC	133		1244021-03RE1			
B122077-MS2	B122077	QC	134		1244021-03RE1			
1200887-CCVC	1200887	QC	135	1245074	-			
1200887-CCBG	1200887	QC	136		-			
B122077-MSD2	B122077	QC	137		1244021-03RE1			
1244021-04RE1	B122077	MeHg-B-KOH/Me	138			TRC-LW1001	11/26/2012	Added 11/29/2012 by BJT
1244021-05RE1	B122077	MeHg-B-KOH/Me	139			TRC-LW1001	11/26/2012	Added 11/29/2012 by BJT
1244021-06RE1	B122077	MeHg-B-KOH/Me	140			TRC-LW1001	11/26/2012	Added 11/29/2012 by BJT
1244021-07RE1	B122077	MeHg-B-KOH/Me	141			TRC-LW1001	11/26/2012	Added 11/29/2012 by BJT
1244021-08RE1	B122077	MeHg-B-KOH/Me	142			TRC-LW1001	11/26/2012	Added 11/29/2012 by BJT
1200887-CCVD	1200887	QC	143	1245074	-			
1200887-CCBH	1200887	QC	144		-			
B122031-BLK5	B122031	QC	145		-			
B122031-BLK6	B122031	QC	146		-			
B122031-BLK7	B122031	QC	147		-			
B122031-BLK8	B122031	QC	148		-			
B122031-SRM2	B122031	QC	149		-			
1243005-01RE1	B122031	MeHg-B-KOH/Me	150			ERP-MY1201	11/14/2012	QA Qualify H
1243005-02RE1	B122031	MeHg-B-KOH/Me	151			ERP-MY1201	11/14/2012	QA Qualify H
B122031-DUP2	B122031	QC	152		1243005-02RE1			
B122031-MS2	B122031	QC	153		1243005-02RE1			
B122031-MSD2	B122031	QC	154		1243005-02RE1			
1200887-CCVE	1200887	QC	155	1245074	-			
1200887-CCBI	1200887	QC	156		-			

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200887

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1243005-03RE1	B122031	MeHg-B-KOH/Me	157			ERP-MY1201	11/14/2012	QA Qualify H
1243005-04RE1	B122031	MeHg-B-KOH/Me	158			ERP-MY1201	11/14/2012	QA Qualify H
1243005-05RE1	B122031	MeHg-B-KOH/Me	159			ERP-MY1201	11/14/2012	QA Qualify H
1200887-CCVF	1200887	QC	160	1245074	-			
1200887-CCBJ	1200887	QC	161		-			

Peak Report

BRL Report 1245005

Batch Number: B122092, 2127, 2077, 2031

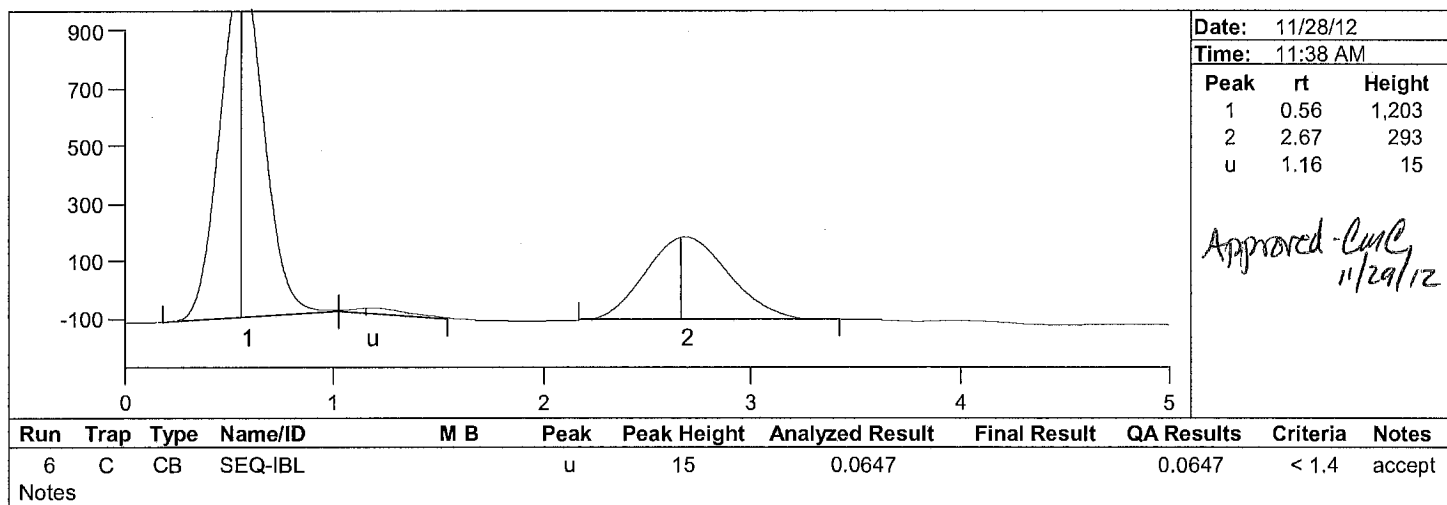
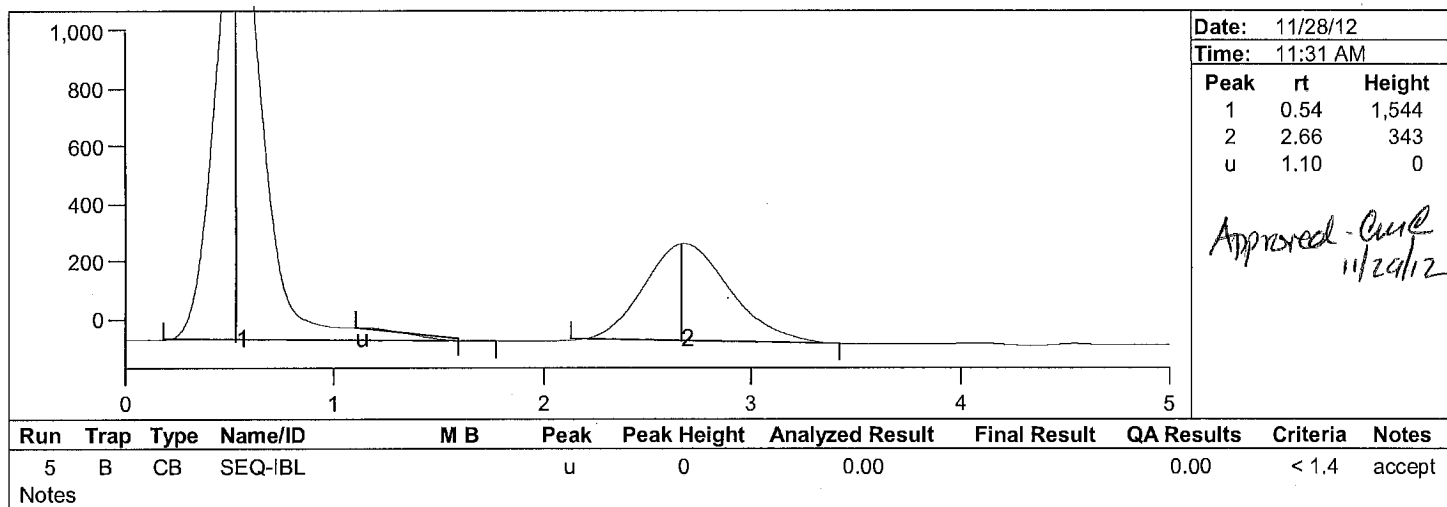
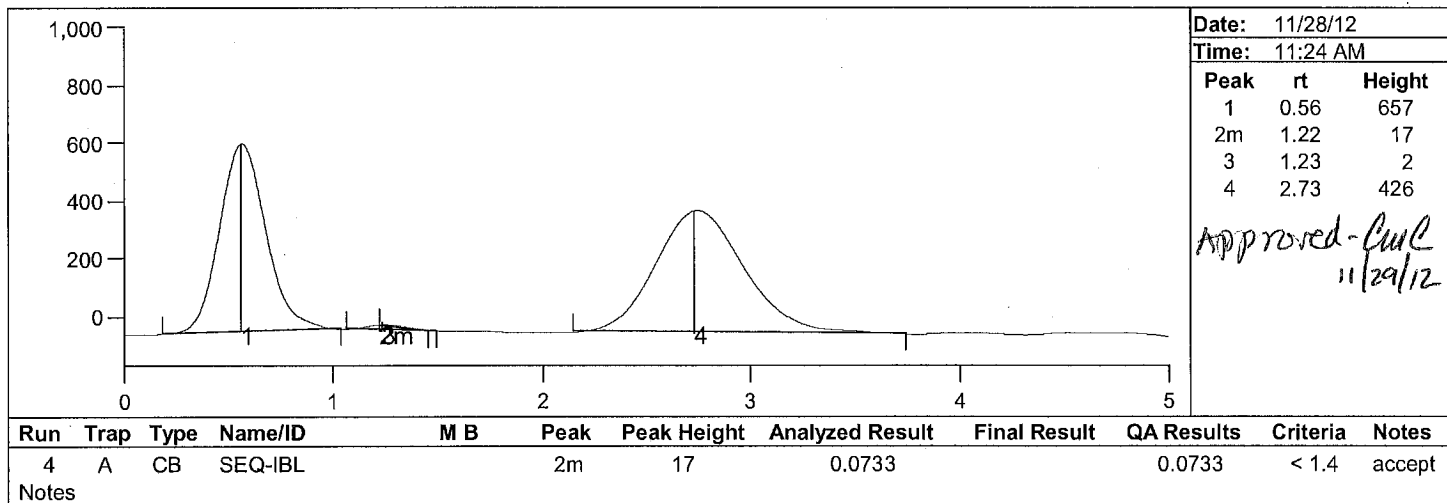
Method Number: CVAFS BR-0011

Project Number(s): 1200887

Instrument ID: MMHG-09

Date Analyzed: 11/28/12

Analyst Name: BJT



Peak Report

BRL Report 1245005

Batch Number: B122092, 2127, 2077, 2031

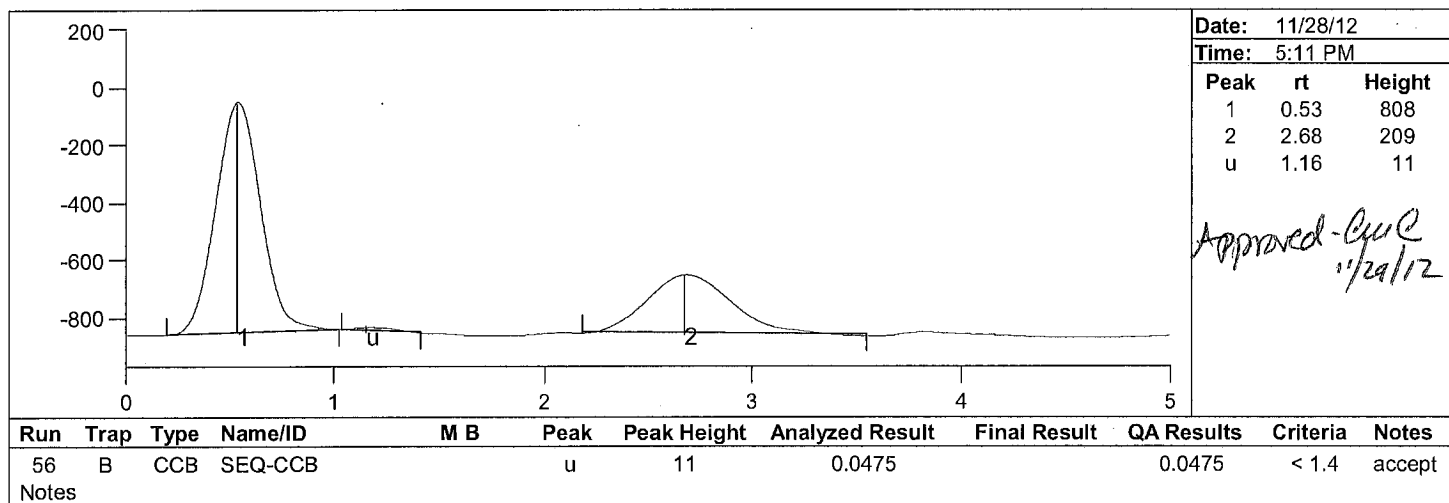
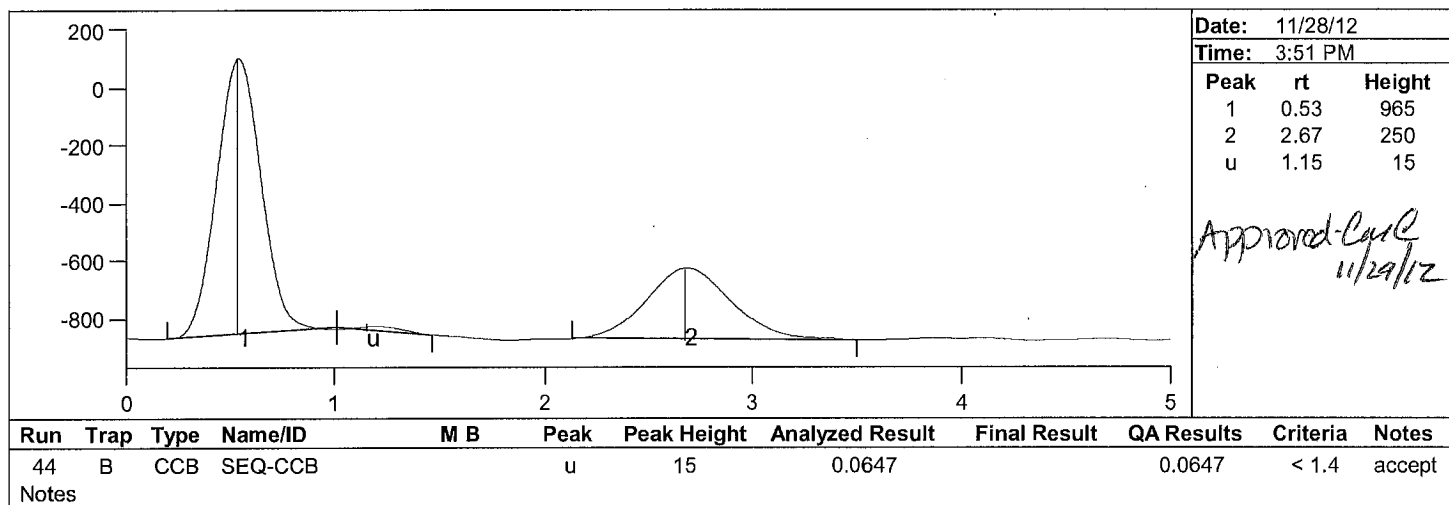
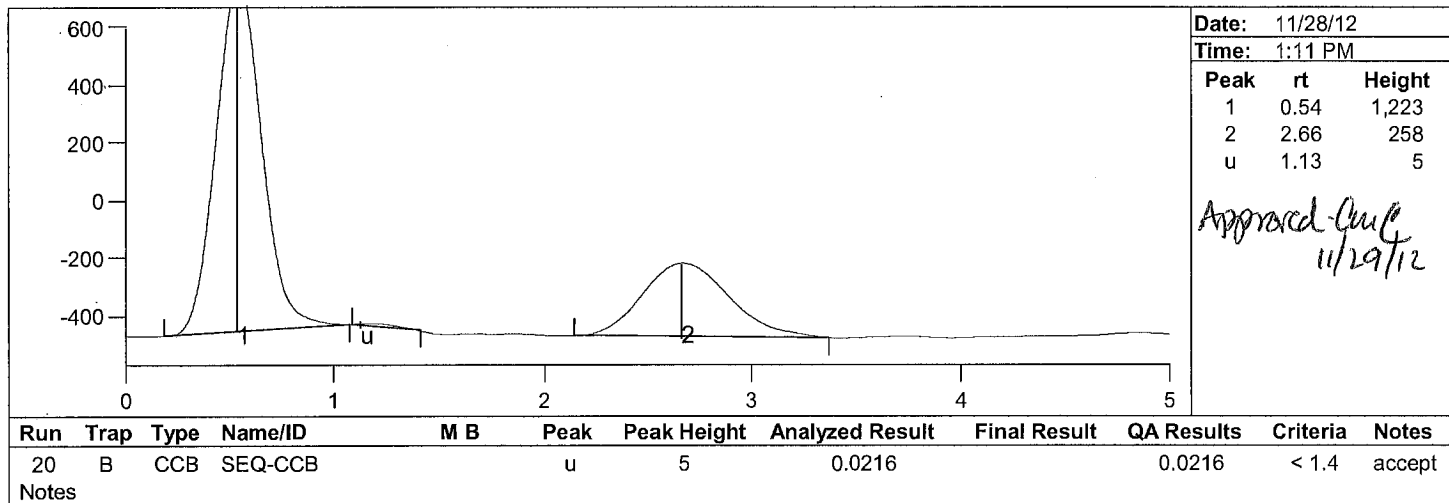
Method Number: CVAFS BR-0011

Project Number(s): 1200887

Instrument ID: MMHG-09

Date Analyzed: 11/28/12

Analyst Name: BJT



Peak Report

BRL Report 1245005

Batch Number: B122092, 2127, 2077, 2031

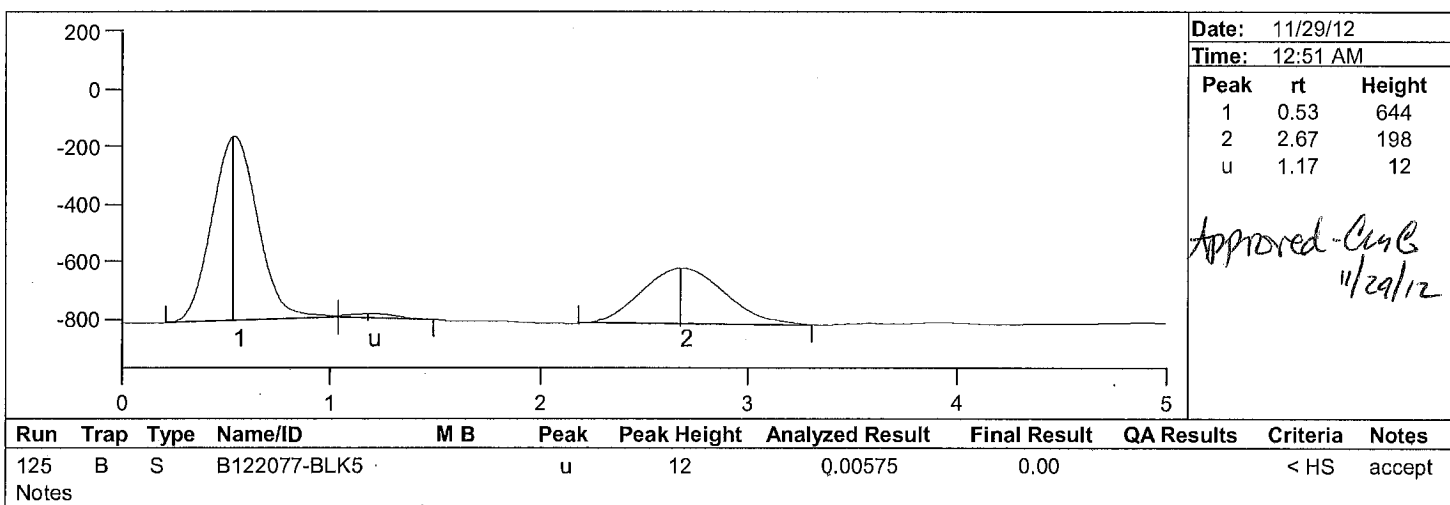
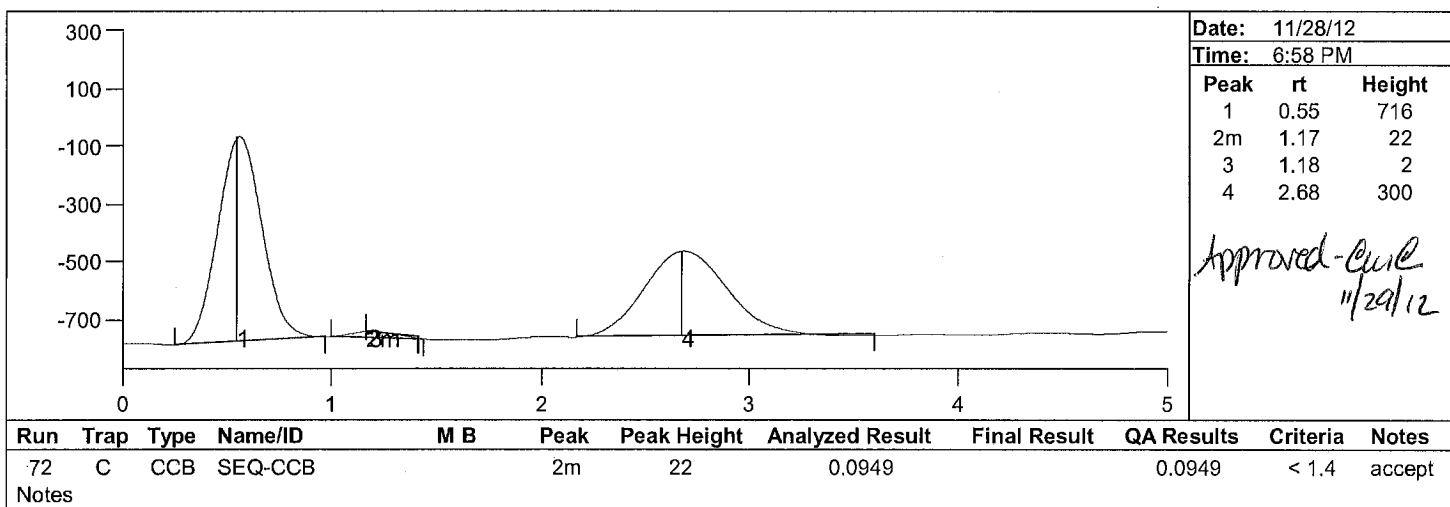
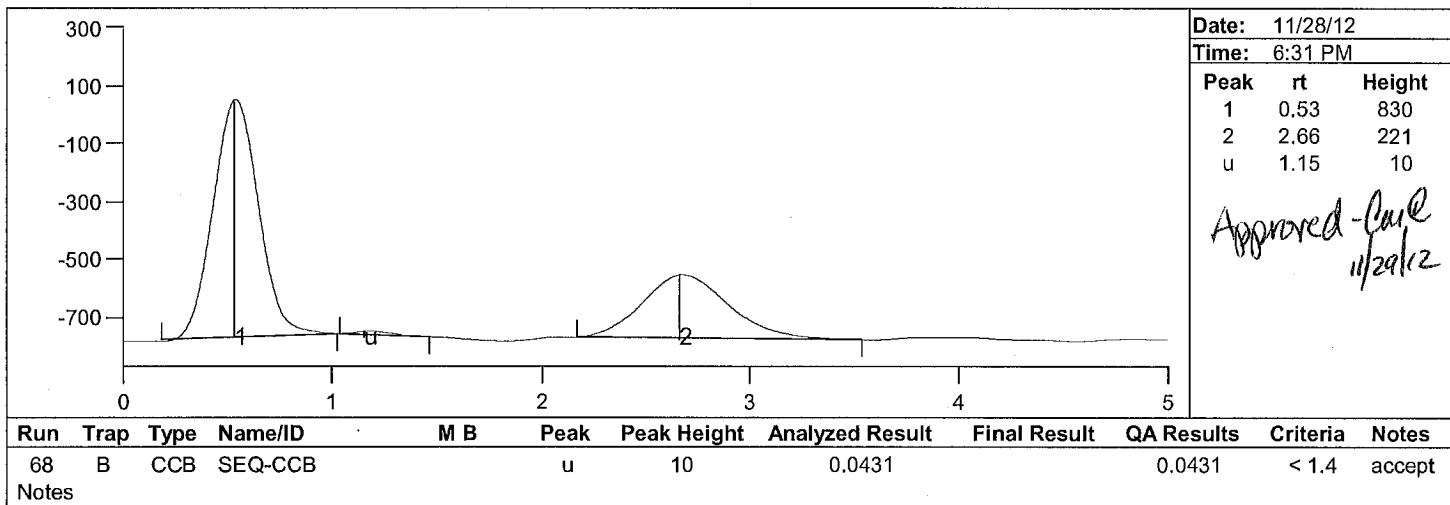
Method Number: CVAFS BR-0011

Project Number(s): 1200887

Instrument ID: MMHG-09

Date Analyzed: 11/28/12

Analyst Name: BJT



Peak Report

BRL Report 1245005

Batch Number: B122092, 2127, 2077, 2031

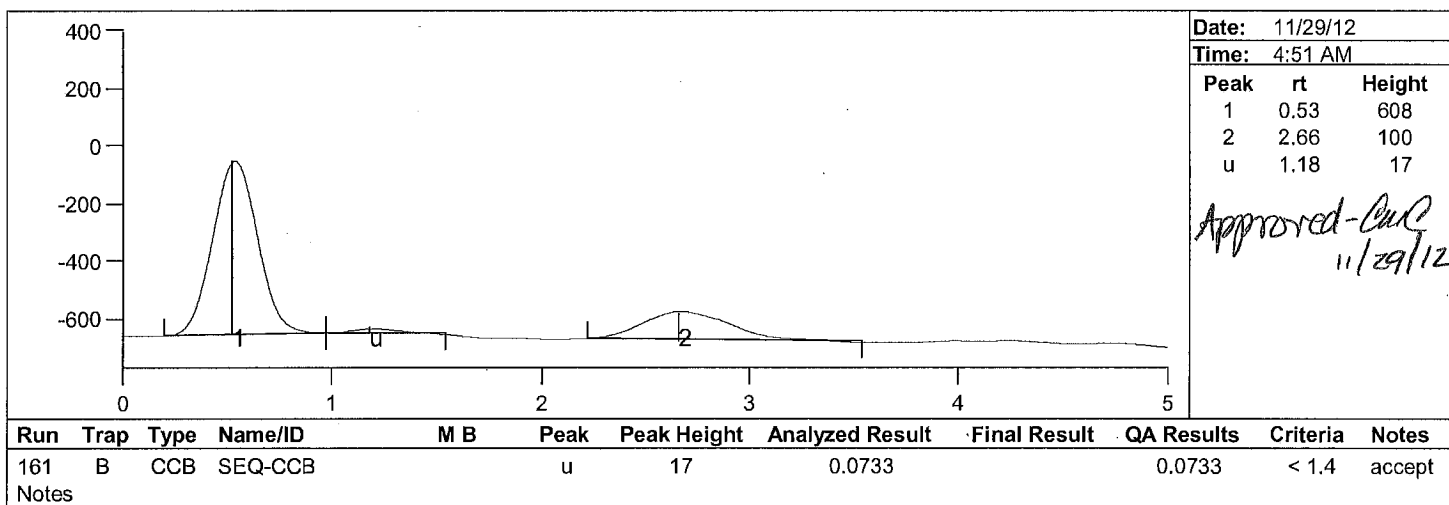
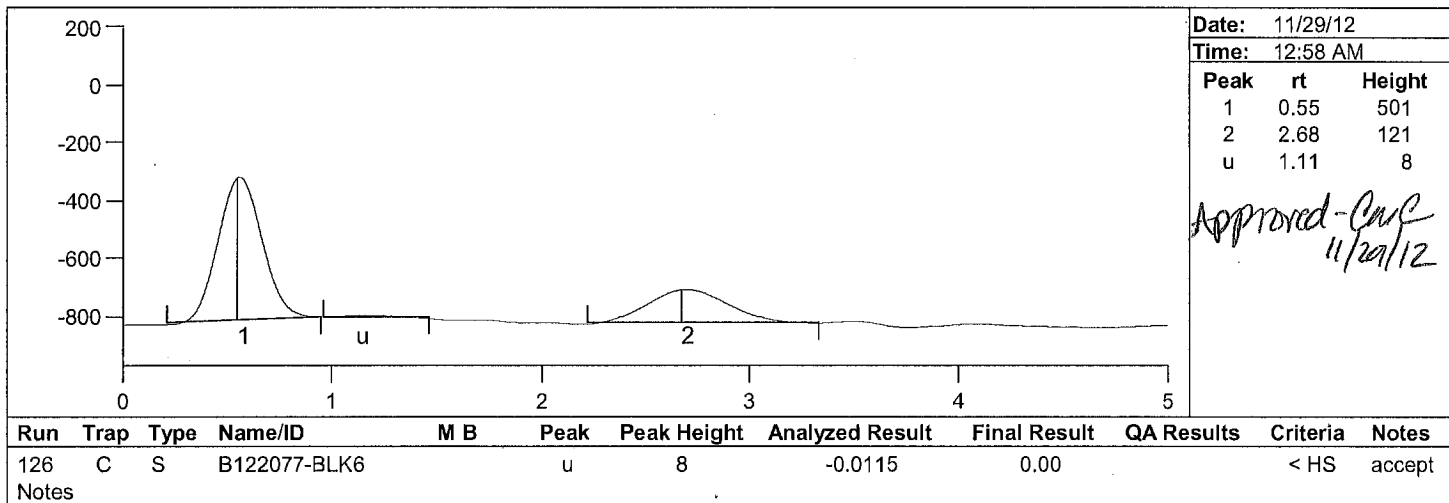
Method Number: CVAFS BR-0011

Project Number(s): 1200887

Instrument ID: MMHG-09

Date Analyzed: 11/28/12

Analyst Name: BJT



MeHg Analysis Benchsheet: MeHg MERX-M

Sequence: 1200887 Batches: B122092, 2127, 2077, 2031
 Analyst: BJT Date: 11/28/12 Instrument ID: MMHG09

1 ng/mL std ID: 1245063 NaBet₄ ID: 1244026 Initial PMT: 763
 0.01 ng/mL std ID: 1245066 Acetate Buffer ID: 1244042 Initial Offset: 44647
 1 ng/mL ICV std ID: 1247017
 Pipette ID (if used for sample aliquoting): MeHg Pipette Set Balance ID: BL02

Run# / Pos #	BRL Sample ID	Analyze Vol (mL)	Dilution Factor	Analysis Comments / for spiked QC: Source ID, standard ID, and spike volume
1	Rinse	--		#97 e, 0940
2	Rinse	--		
3	SEQ-IBL1	--		
4	SEQ-IBL2	--		m
5	SEQ-IBL3	--		u
6	SEQ-IBL4	--		u
7	SEQ-CAL1	0.05		0.01 ng/mL
8	SEQ-CAL2	0.1		0.01 ng/mL
9	SEQ-CAL3	0.2		0.01 ng/mL
10	SEQ-CAL4	1		0.01 ng/mL
11	SEQ-CAL5	0.05		1 ng/mL
12	SEQ-CAL6	0.25		1 ng/mL
13	SEQ-CAL7	1		1 ng/mL
14	SEQ-CCB	--		
15	SEQ-ICV1	0.1		1ng/mL ICV standard
16	SEQ-CCB1	--		
17	SEQ-CCV	0.025		1 ng/mL
18	SEQ-CCB	--		
19	SEQ-CCB	--		
20	SEQ-CCB	--		u
21	B122092-BLK1	29.79		
22	B122092-BLK2	29.87		2X BUFFER
23	B122092-BLK3	29.87		
24	B122092-BLK4	30.18		

11.29.12 BJT
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25	B122092-BS1	29.23		
26	B122092-BS2	29.78		
27	1244024-15	30.18		
28	1244024-16	30.50		
29	B122092-MS1	29.92		
30	B122092-MSD1	30.51		
31	SEQ-CCV	0.025		1 ng/mL
32	SEQ-CCB	--		
33	1244024-17	29.48		
34	1244024-18	30.55		
35	1244024-19	30.29		
36	1244024-20	30.02		
37	1244024-21	29.69		
38	1244024-22	30.48		
39	1244024-23	29.75		
40	1244024-24	29.24		
41	1244024-25	30.79		
42	1244024-26	30.36		
43	SEQ-CCV	0.025		1 ng/mL
44	SEQ-CCB	--		u
45	1244024-27	30.36		
46	1244024-28	29.49		
47	1244024-29	29.73		
48	B122092-MS2	30.51		

11-29-12 BT
2 of 117

49	B122092-MSD2	29.43		
50	1244024-30	29.30		
51	1244032-12	29.78		
52	1244032-24	30.10		
53	1244032-36	30.21		
54	1245025-01	30.23		
55	SEQ-CCV	0.025		1 ng/mL
56	SEQ-CCB	--		u
57	1245025-02	29.65		
58	1245025-03	30.22		2X BUFFER
59	B122092-MS3	29.85		↓
60	B122092-MSD3	30.51		
61	1245025-04	29.73		
62	1245025-05	29.43		
63	1245025-06	30.60		
64	1245025-07	30.23		
65	1245025-08	30.51		
66	1245026-01	30.38		
67	SEQ-CCV	0.025		1 ng/mL
68	SEQ-CCB	--		u
69	1245026-02	29.76		
70	1245026-03	30.19		
71	SEQ-CCV	0.025		1 ng/mL
72	SEQ-CCB	--		m

11-29-12 EST
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73	B122127-BLK1	30.41		2x buffer #02 @ 1145
74	B122127-BLK2	30.05		
75	B122127-BLK3	29.47		
76	B122127-BLK4	30.98		
77	B122127-BS1	29.69		
78	B122127-BS2	30.68		
79	1245001-12	30.01		2X BUFFER
80	1245001-24	29.18		2X BUFFER
81	1245001-26	30.19		2X BUFFER
82	1245005-09	29.84		2X BUFFER
83	SEQ-CCV	0.025		1 ng/mL
84	SEQ-CCB	--		
85	1245005-10	30.29		2X BUFFER
86	1245005-11	29.35		2X BUFFER
87	B122127-MS1	30.15		2X BUFFER
88	B122127-MSD1	29.52		2X BUFFER
89	1245005-12	29.15		2X BUFFER
90	1245005-13	29.25		2X BUFFER
91	1245005-14	29.99		2X BUFFER
92	1245005-15	30.53		2X BUFFER
93	1245005-16	30.04		2X BUFFER
94	B122127-MS2	30.07		2X BUFFER
95	SEQ-CCV	0.025		1 ng/mL
96	SEQ-CCB	--		

→ double buffer entire batch B122127 due to abnormal pH's.

11-29-12 JST
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97	B122127-MSD2	29.90		2X BUFFER
98	1245005-17	29.19		2X BUFFER
99	1245005-18	29.93		2X BUFFER
100	1245005-19	30.79		2X BUFFER
101	1245005-20	29.27		2X BUFFER
102	1245005-21	29.77		2X BUFFER
103	1245005-22	29.45		2X BUFFER
104	1245005-23	29.86		2X BUFFER
105	1245005-24	29.62		2X BUFFER
106	1245006-12	29.58		2X BUFFER
107	SEQ-CCV	0.025		1 ng/mL
108	SEQ-CCB	--		
109	1245006-24	30.66		2X BUFFER
110	B122127-MS3	29.57		2X BUFFER
111	B122127-MSD3	30.29		2X BUFFER
112	1245006-37	29.50		2X BUFFER
113	1245006-49	29.69		2X BUFFER
114	1245006-50	29.52		2X BUFFER
115	1245006-62	29.67		2X BUFFER
116	1245006-74	29.29		2X BUFFER
117	1245006-86	30.40		2X BUFFER
118	1245034-01	30.06		2X BUFFER
119	SEQ-CCV	0.025		1 ng/mL
120	SEQ-CCB	--		

121	1245035-01	30.14		2X BUFFER
122	1243023-01	29.38		2X BUFFER
123	SEQ-CCV	0.025		1 ng/mL
124	SEQ-CCB	--		
125	B122077-BLK5	0.03	W	RE OF BLK1 #17 @ 1540
126	B122077-BLK6	0.03	W	RE OF BLK2
127	B122077-BLK7	0.03		RE OF BLK3
128	B122077-BLK8	0.03		RE OF BLK4
129	B122077-SRM2	0.03		
130	1244021-01RE1	0.03	10X	
131	1244021-02RE1	0.03	10X	
132	1244021-03RE1	0.03	10X	
133	B122077-DUP2	0.03	10X	
134	B122077-MS2	0.03	10X	
135	SEQ-CCV	0.025		1 ng/mL
136	SEQ-CCB	--		
137	B122077-MSD2	0.03	10X	
138	1244021-04RE1	0.03	10X	
139	1244021-05RE1	0.03	10X	
140	1244021-06RE1	0.03	10X	
141	1244021-07RE1	0.03	10X	
142	1244021-08RE1	0.03	10X	
143	SEQ-CCV	0.025		1 ng/mL
144	SEQ-CCB	--		

11-29-12 BJT
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145	B122031-BLK5	0.03		RE OF BLK 1
146	B122031-BLK6	0.03		RE OF BLK 2
147	B122031-BLK7	0.03		RE OF BLK 3
148	B122031-BLK8	0.03		RE OF BLK 4
149	B122031-SRM2	0.03	11-25-12	
150	1243005-01RE1	0.02	20X	10X
151	1243005-02RE1	0.02	20X	↓
152	B122031-DUP2	0.02	20X	↓
153	B122031-MS2	0.02	20X	↓
154	B122031-MSD2	0.02	20X	↓
155	SEQ-CCV	0.025		1 ng/mL
156	SEQ-CCB	--	11-28-12 BTJ	
157	1243005-03RE1	0.02	20X	10X
158	1243005-04RE1	0.02	20X	↓
159	1243005-05RE1	0.02	20X	↓
160	SEQ-CCV	0.025		1 ng/mL
161	SEQ-CCB	--		u
162				
163				
164				
165				
166				
167				
168				

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Brooks Rand Labs
MMHg Water Prep Benchsheet
SOP/Rev #: BR-0011 / 013d
Batch: B122127

Prepped By: 11.27.12 J
Prep Date: AAP

Sample ID	Sample Mass (g)	Slot #	Time On	Time Off	pH	Sample ID	Sample Mass (g)	Slot #	Time On	Time Off	pH
1245001-12	49.917	1	0922	1130	3.5	1245006-74	50.890	26	1000	1242	2.5
1245001-24	50.911	2		1242		1245006-86	50.950	27		1300	4
1245001-26	50.736	3		1130	↓	1245034-01	49.264	28		1316	↓
1245005-09	10.464	4		1242	2.0	1245035-01	49.914	29		1242	3
1245005-10	10.936	5		1152	2.5	1246023-01	49.803	30		↓	↓
① 1245005-11	10.190	6		1242	3	B122127-BLK1	50.281	31	1049	1300	3.5
1245005-12	10.492	7		1155	2.5	B122127-BLK2	49.649	32		1405	
1245005-13	10.107	8		1242	3	B122127-BLK3	49.557	33		1359	
1245005-14	10.958	9		↓	2.5	B122127-BLK4	50.565	34		1300	
1245005-15	10.007	10		↓	3	B122127-BS1	49.770	35		↓	
② 1245005-16	10.282	11	0941	↓	2.5	B122127-BS2	50.223	36		↓	
1245005-17	10.777	12		1316	3.5	B122127-MS1	10.130 49.645	37		1341	↓
1245005-18	10.360	13		1242	2.5	B122127-MS2	11.27.12 10.326 50.862	38		1359	2.5
1245005-19	10.362	14		↓	3	B122127-MS3	49.474	39		1242	↓
1245005-20	10.959	15		1152	2.5	B122127-MSD1	11.27.12 49.849	40		1341	3
1245005-21	9.997	16		↓	3	B122127-MSD2	10.284	41	1056	1300	2.5
1245005-22	10.682	17		1242	2.5	B122127-MSD3	50.314	42	↓	↓	3.5
1245005-23	10.151	18		↓	3.5						
1245005-24	10.477	19		1152	2.5						
1245006-12	49.831	20		1152	↓						
③ 1245006-24	49.804	21	1000	↓	4						
1245006-37	50.464	22		1242	3						
1245006-49	49.653	23		↓	3.5						
1245006-50	49.637	24		1300	↓						
1245006-62	50.704	25		↓	↓						

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11.27.12 AAP

Batch QC ID	Source	Spike vol (uL)	Spike conc (ng/mL)	Spike ID	Spike Witness	Reagent	ID
BS 1/2	-	50	1	1245063	JRS 11.27.12	0.5 mL H2SO4	1242025
MS/D1	05-11	160	1	↓		0.2 mL KCL/ L-cysteine	1245025
MS/D2	05-16	275	10	1245064		HCl	1237109
MS/D3	06-24	80	0.1	① 1245056		Hot Block Temp	138°C
						Final Dilution Vol	58mL
						Balance ID	BL-07

Comments: W.D. 1245005 10mL sample brought up to 500 mL w/ DIW

① 1245056 is an ICP-MS standard, the Analyst is not available to ask but the spike witness suggested she switched the 5 + 6 and standard 1245065 matches the spike concentration so has been entered by JRS - CMC 11/30/12

Peak Report

Batch Number: B122092, 2127, 2077, 2031

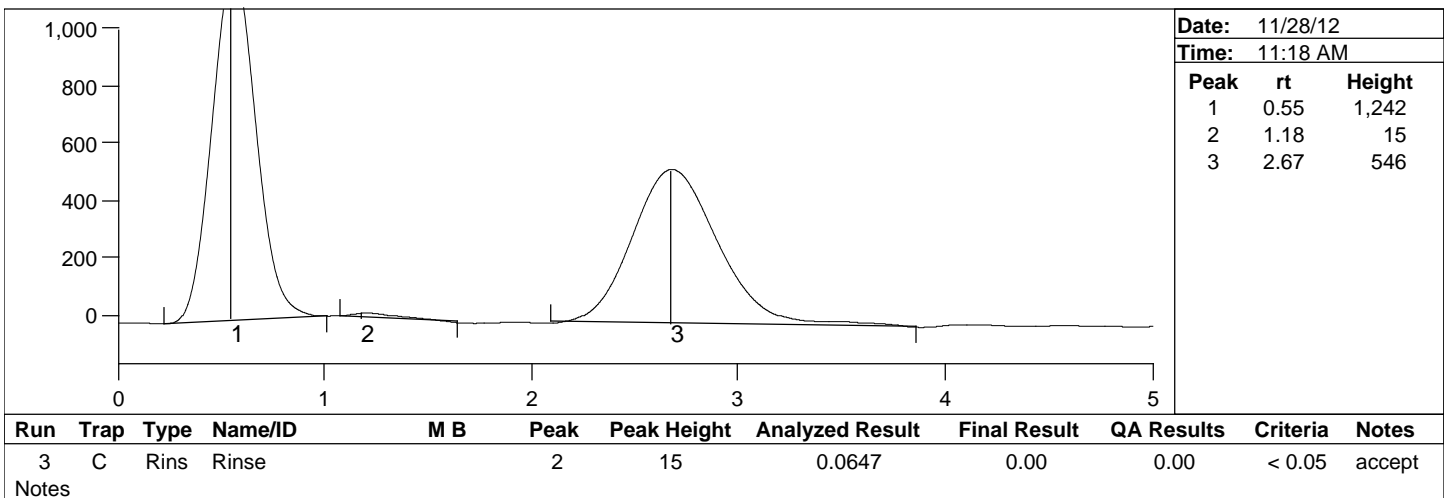
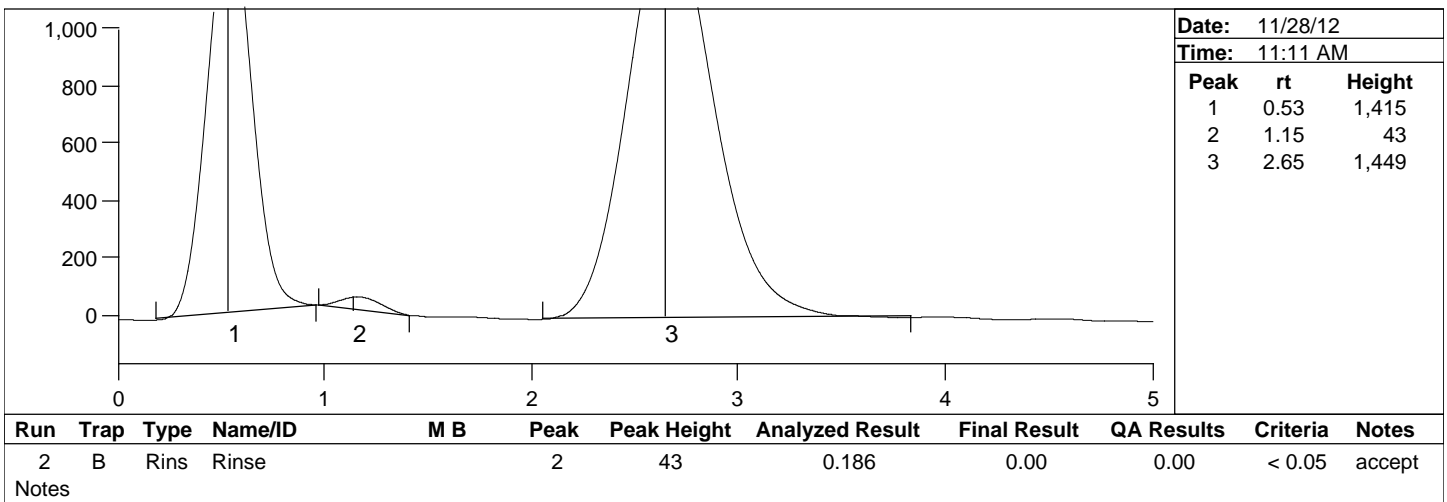
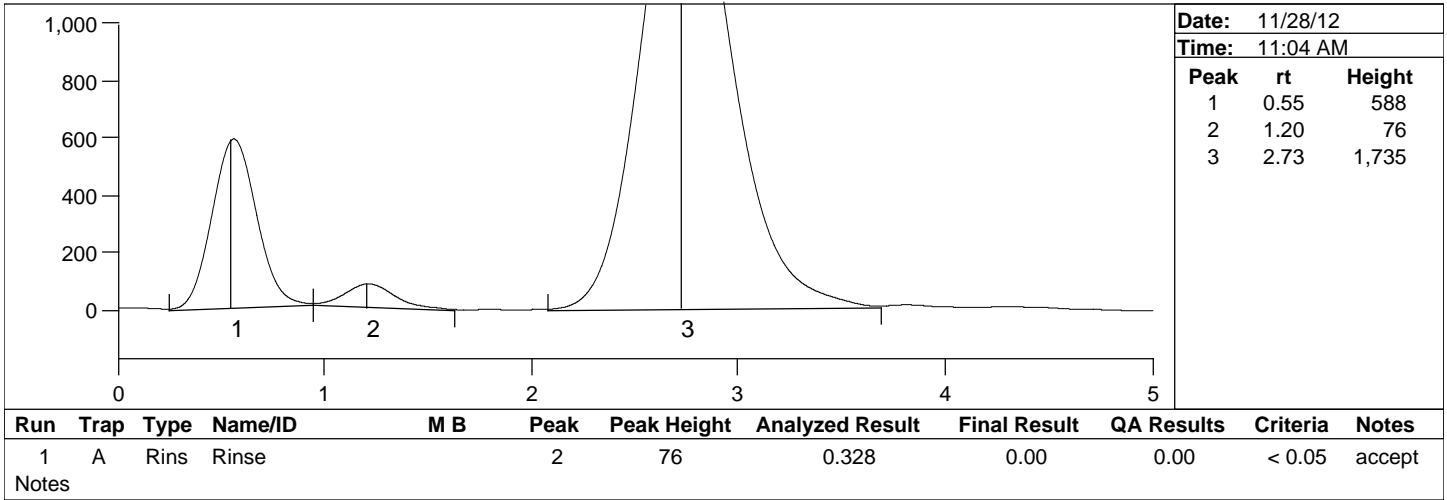
Method Number: CVAFS BR-0011

Project Number(s): 1200887

Instrument ID: MMHG-09

Date Analyzed: 11/28/12

Analyst Name: BJT



Peak Report

Batch Number: B122092, 2127, 2077, 2031

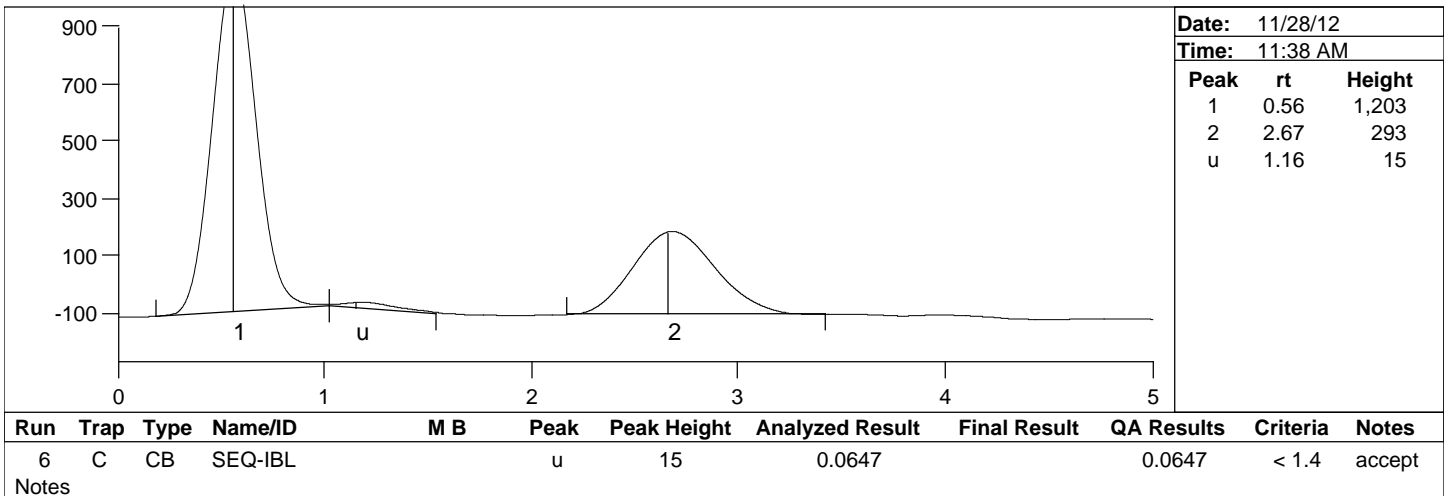
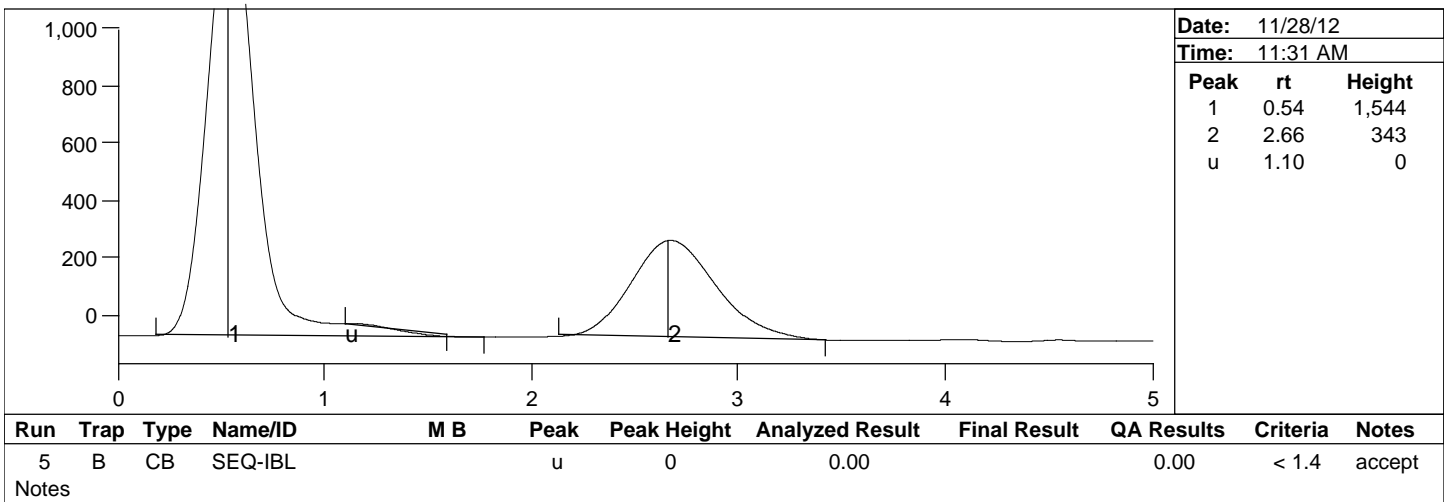
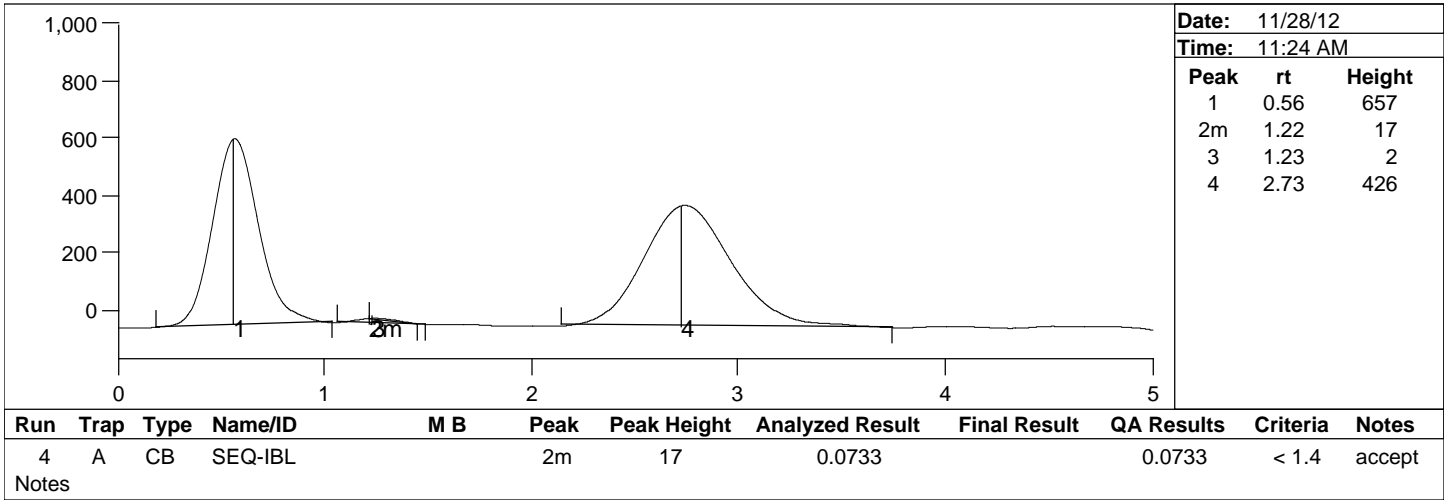
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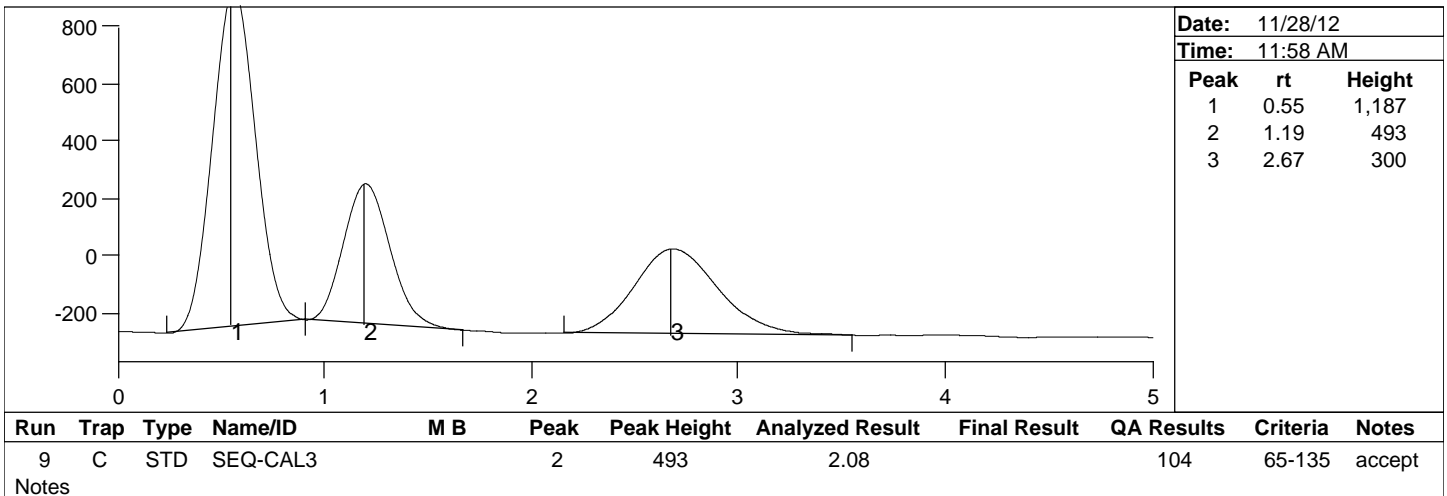
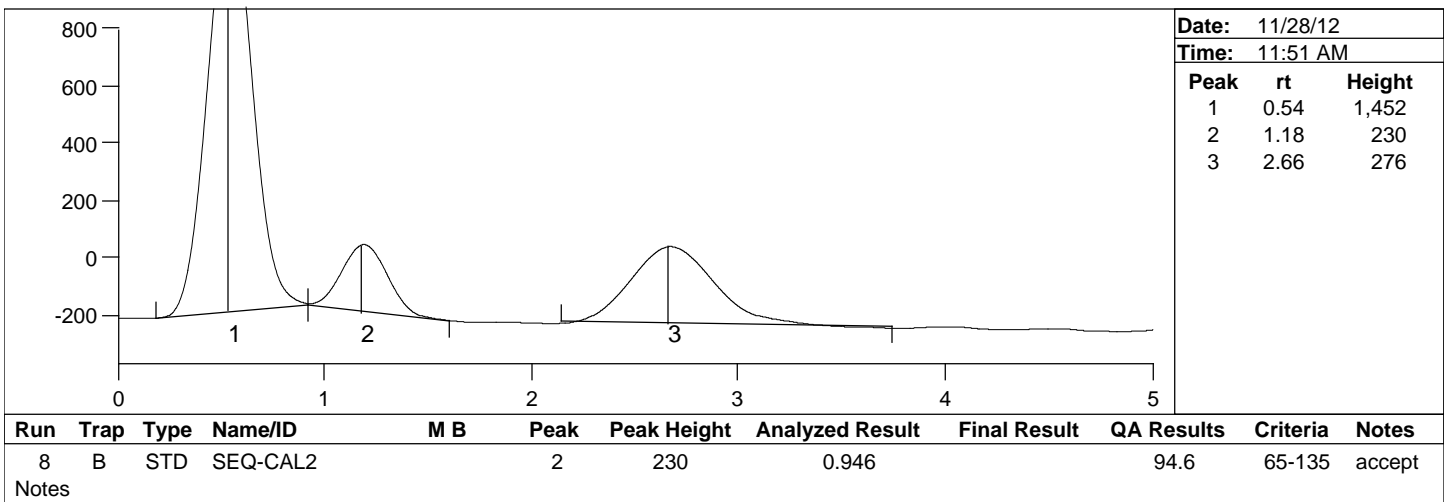
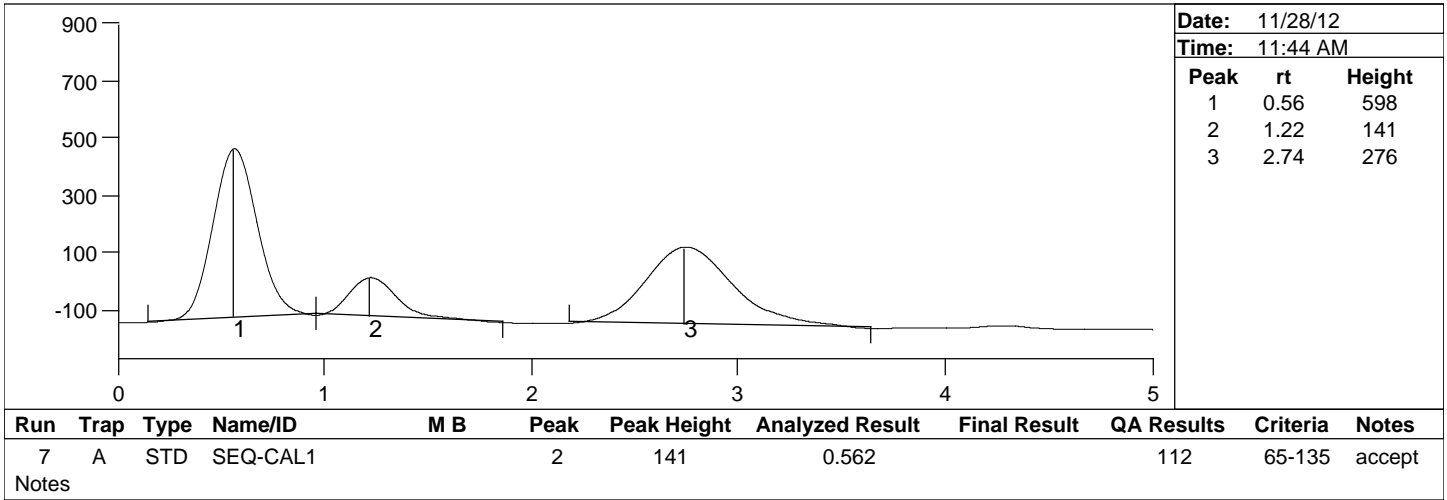
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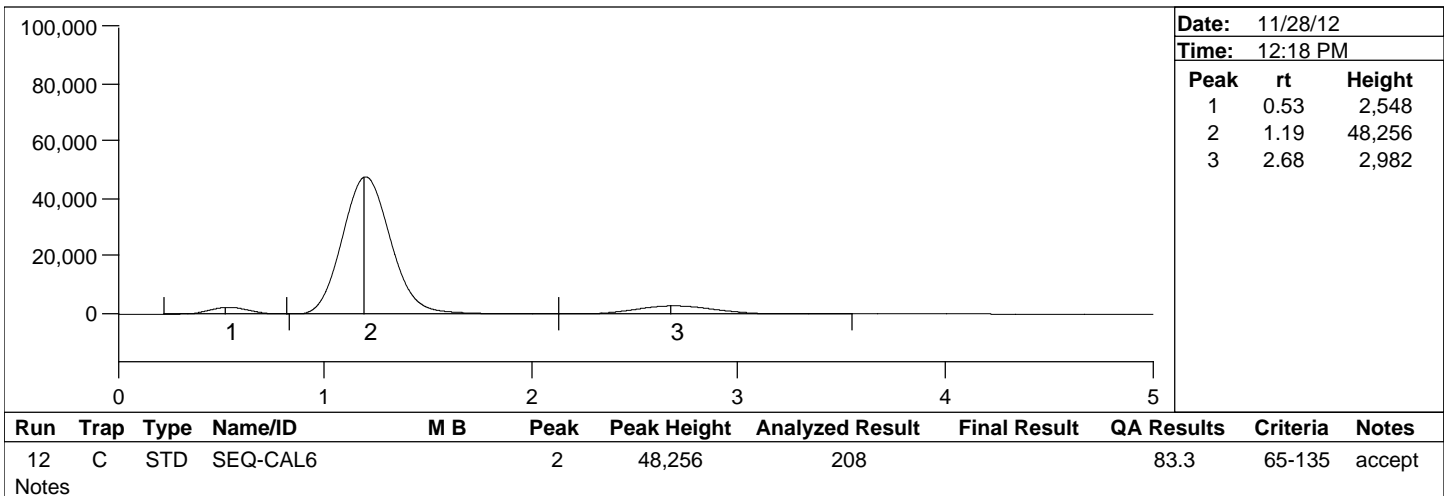
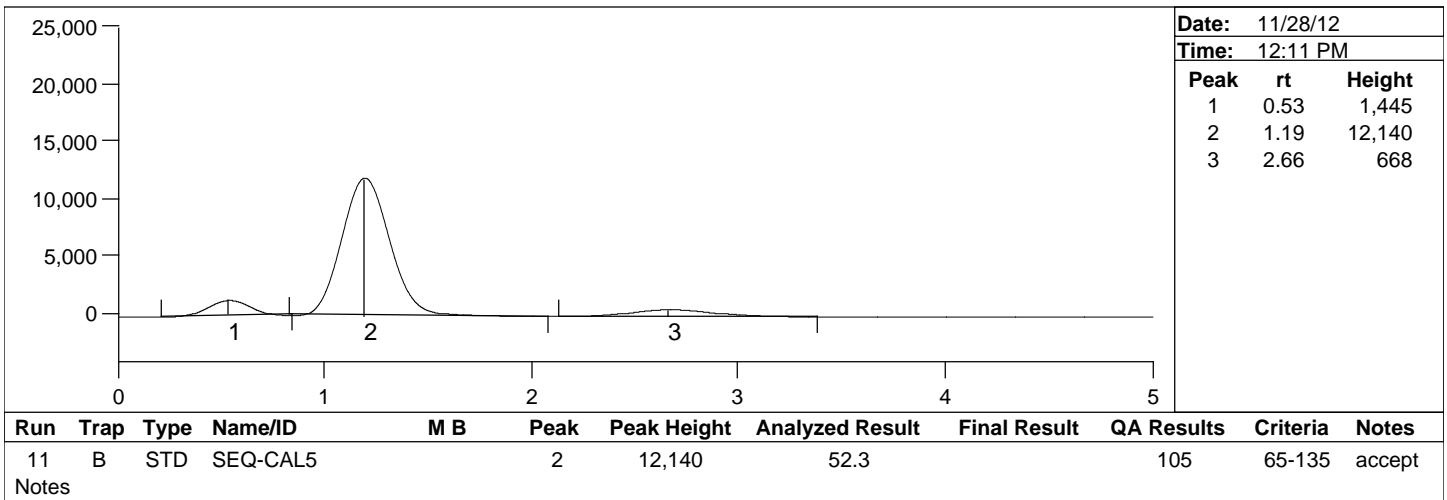
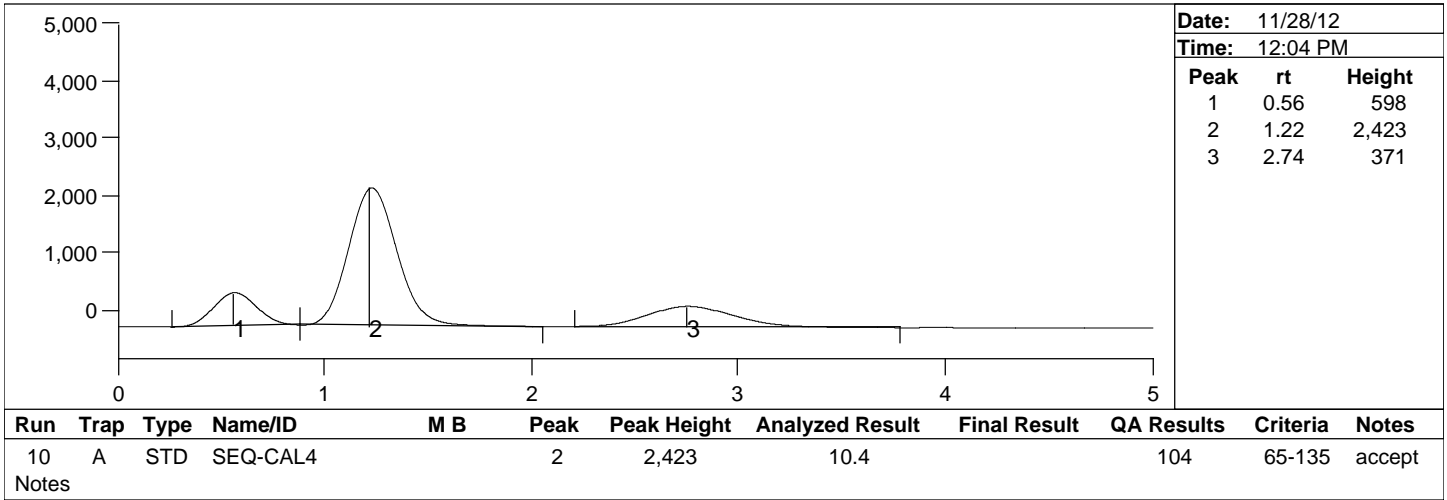
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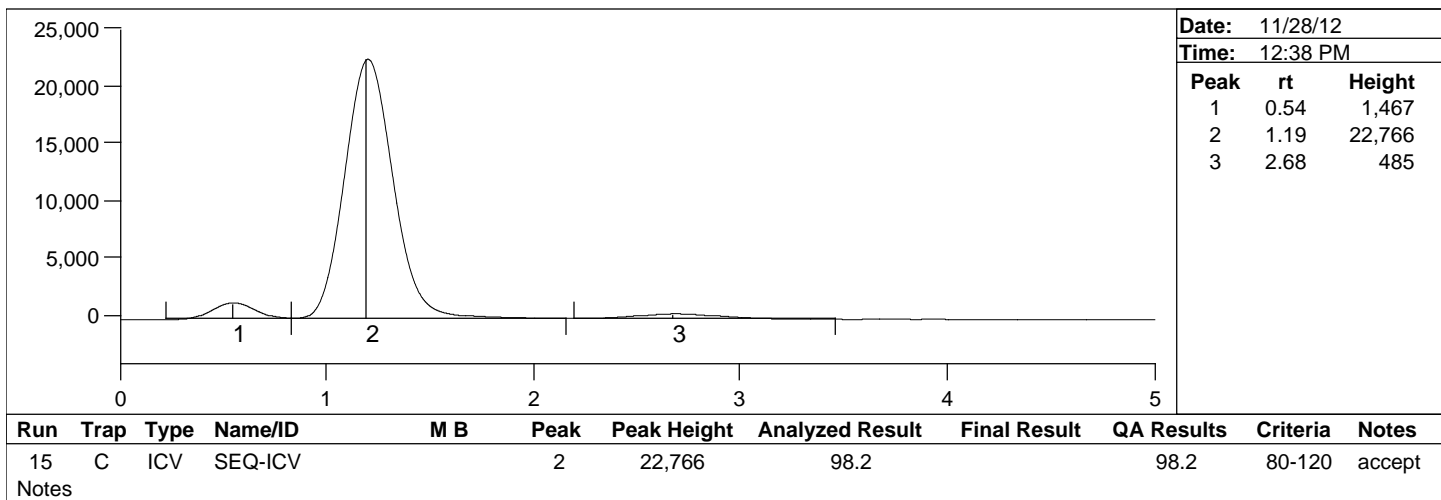
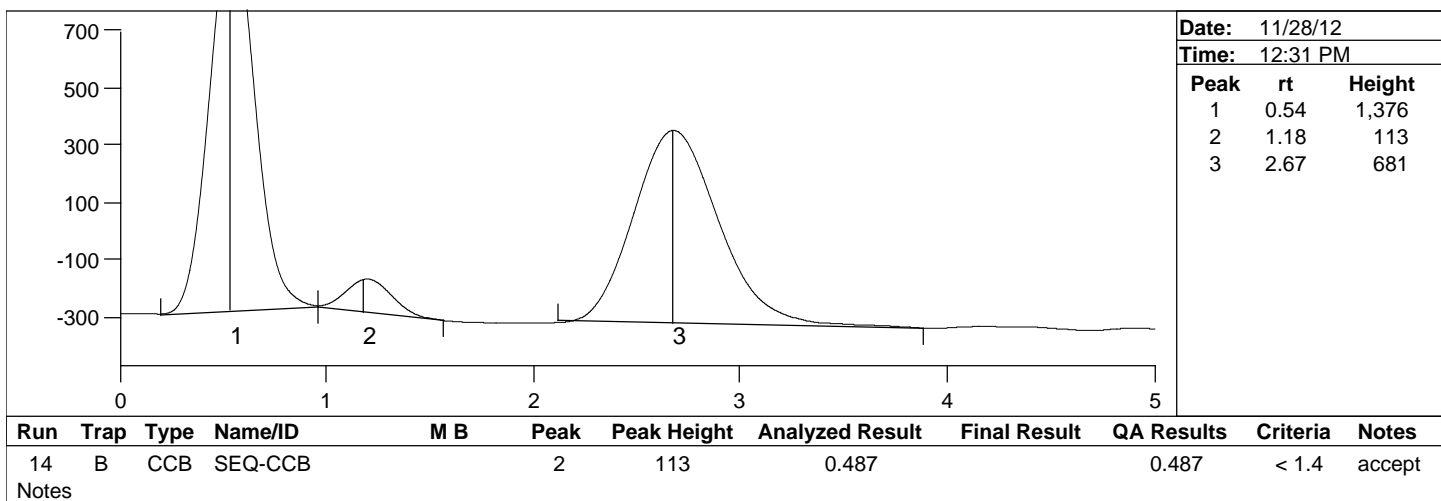
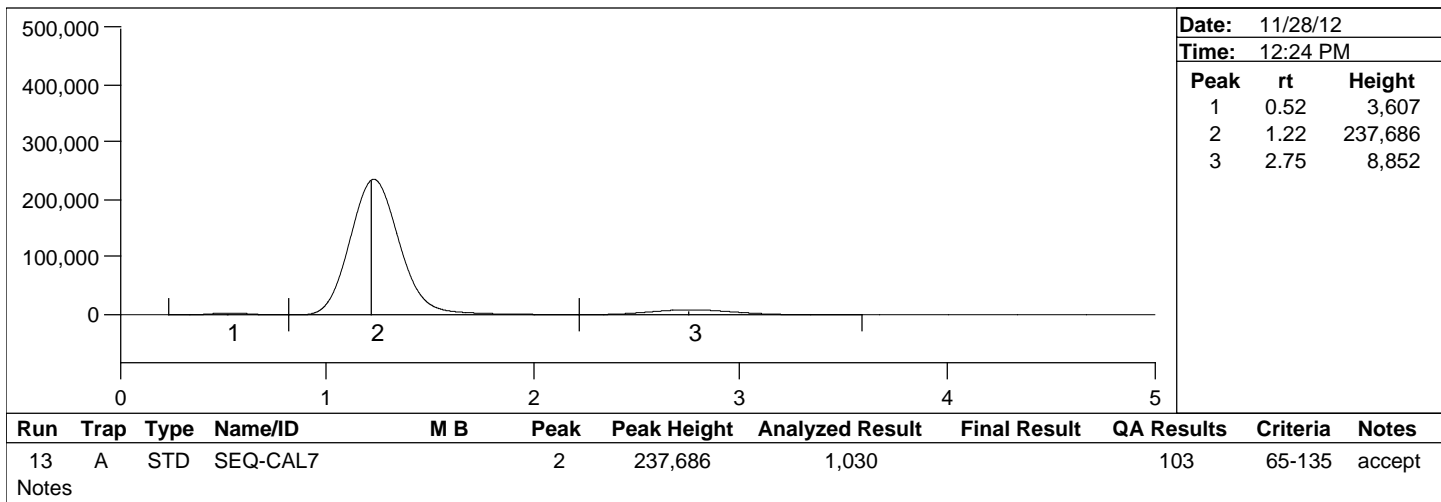
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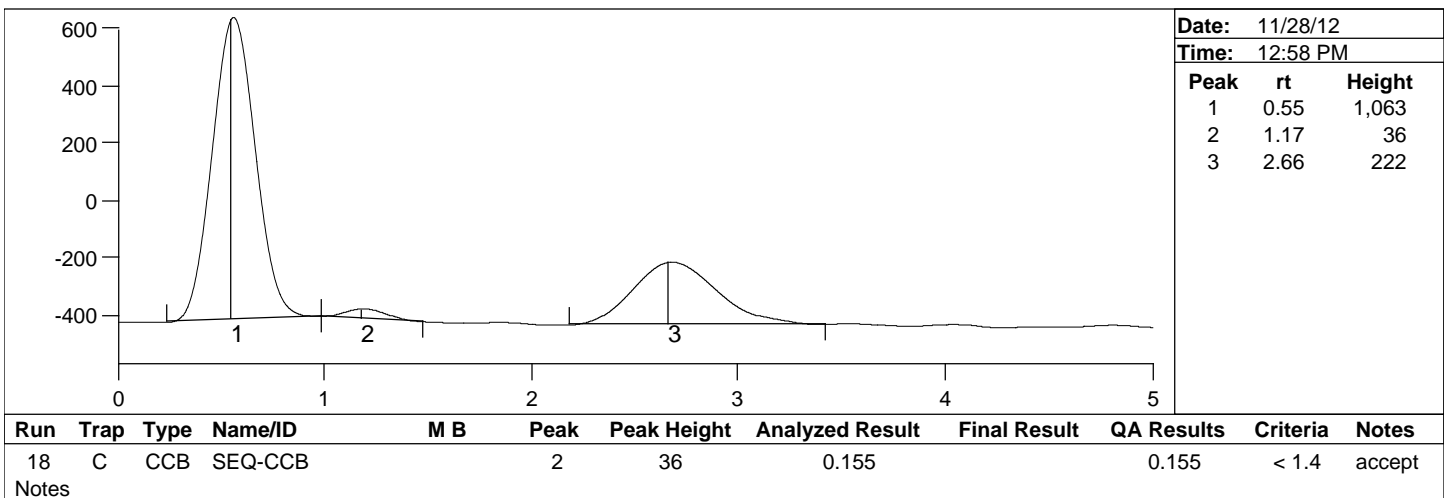
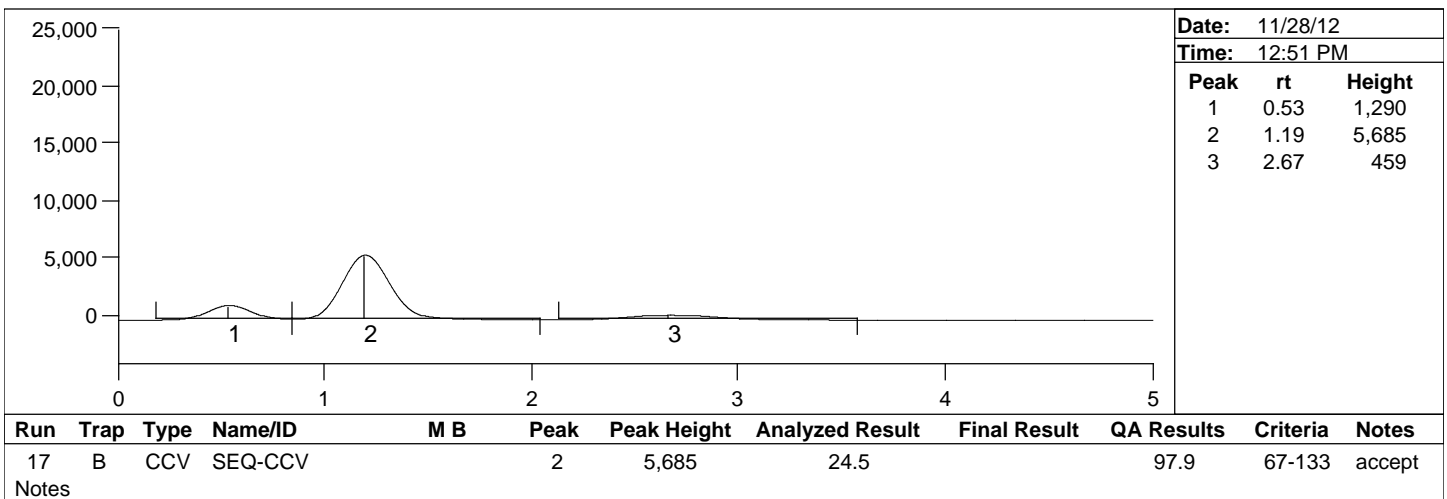
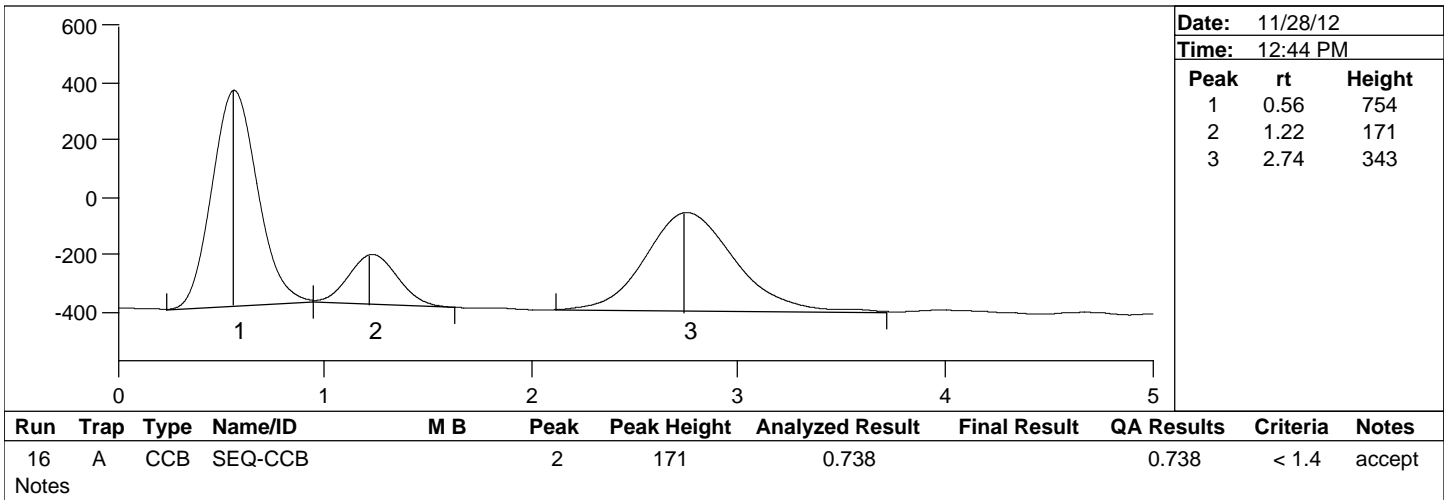
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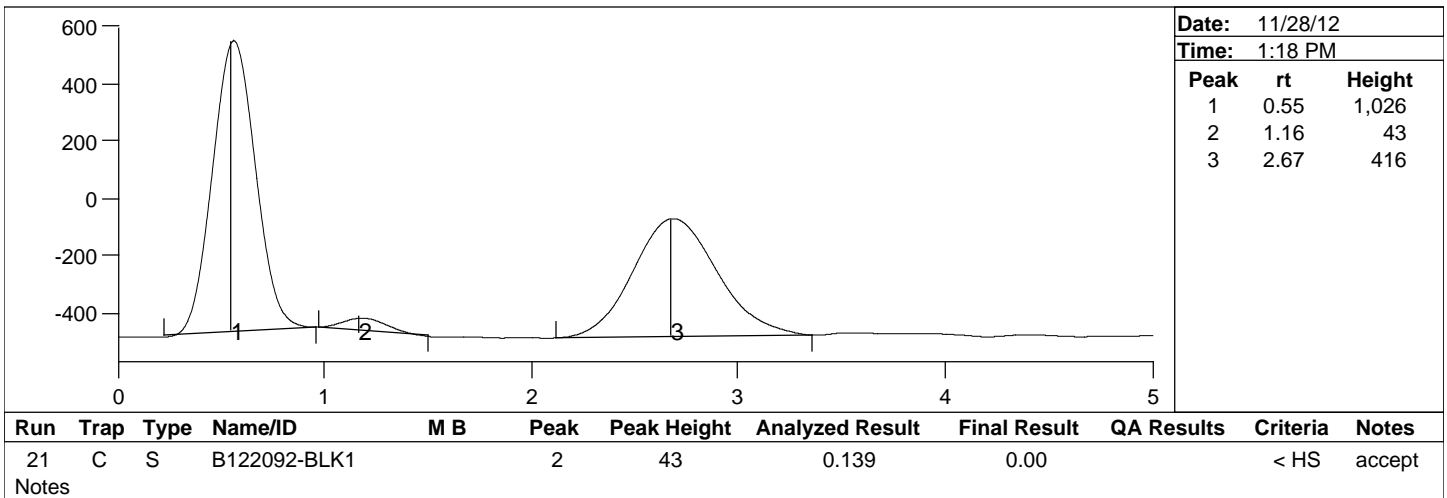
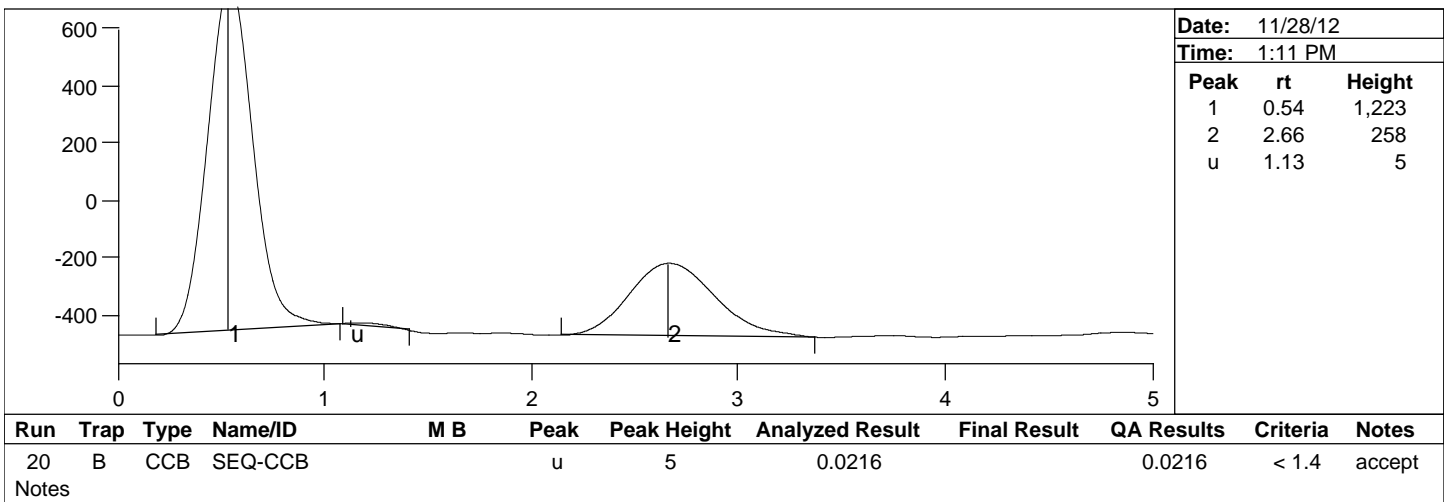
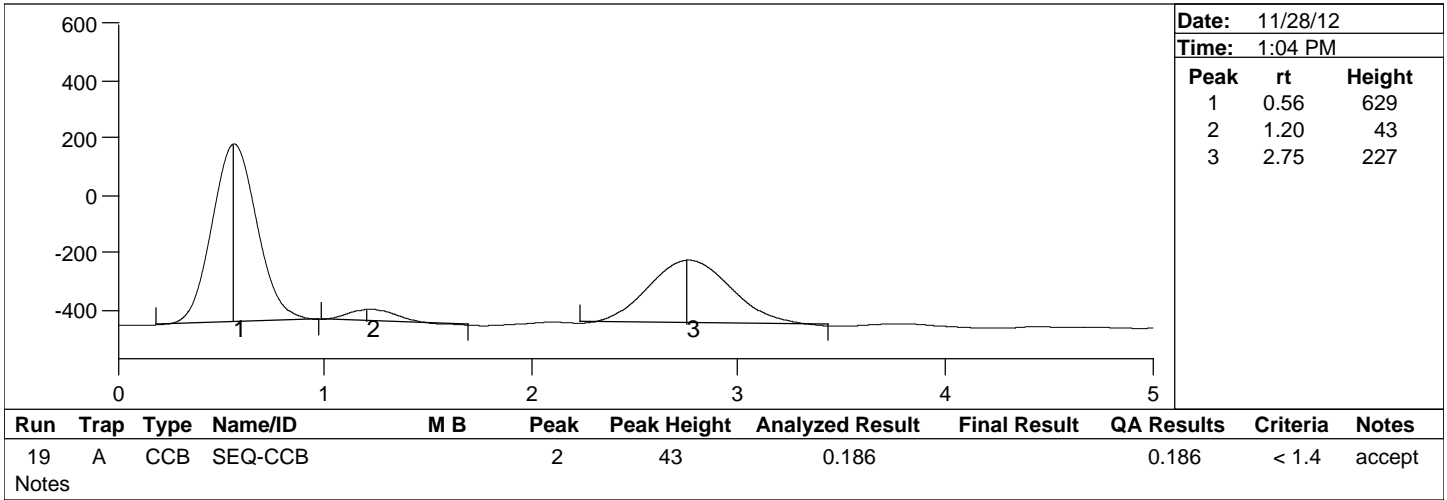
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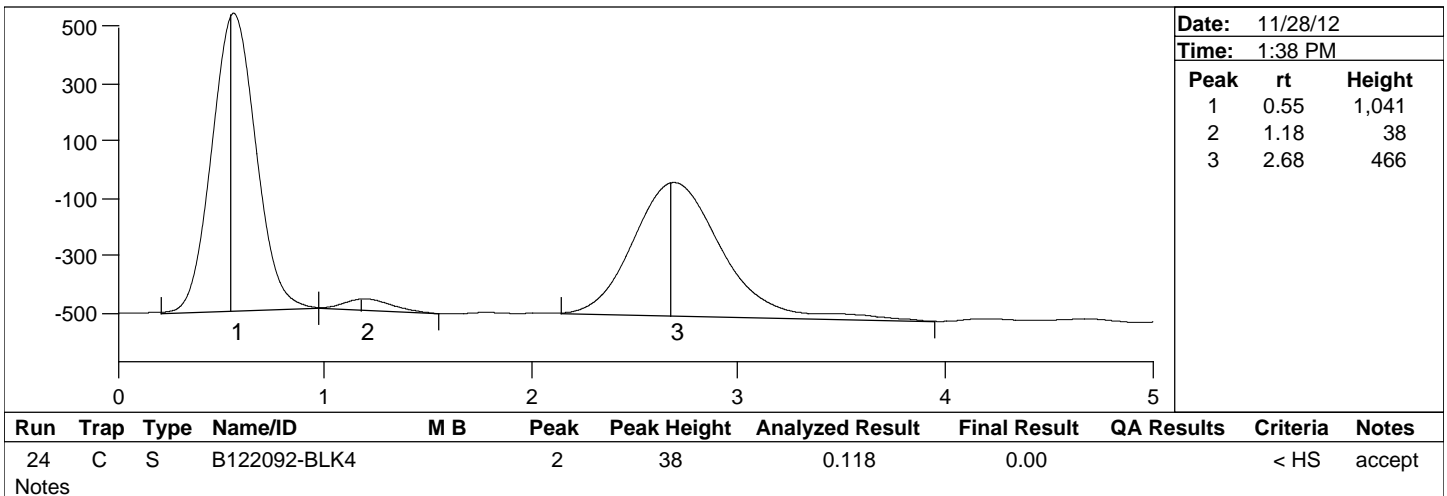
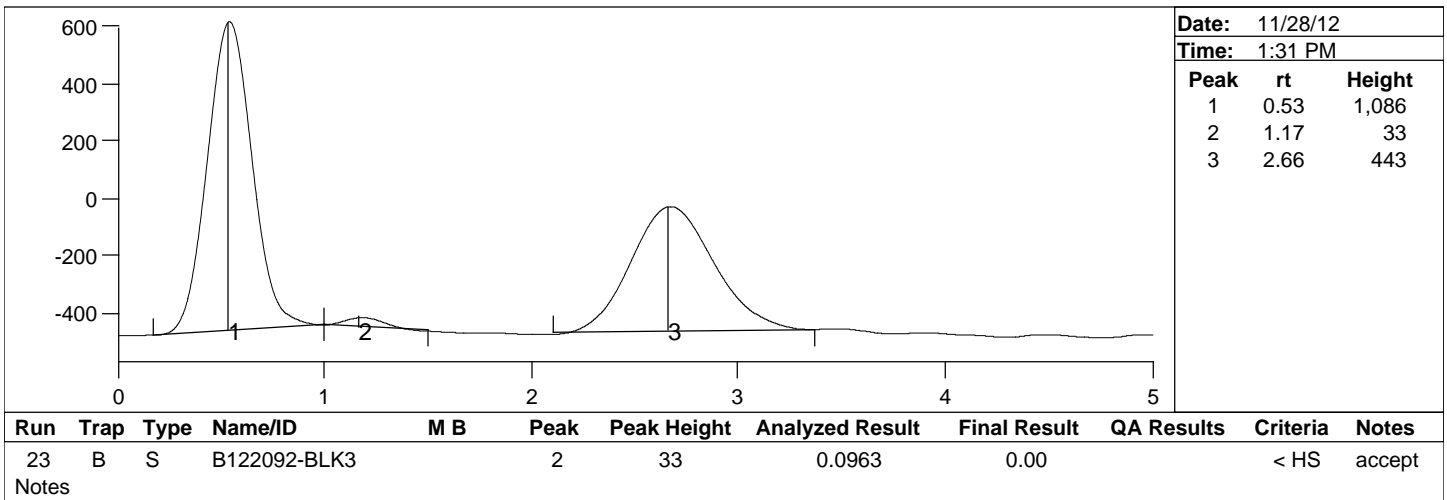
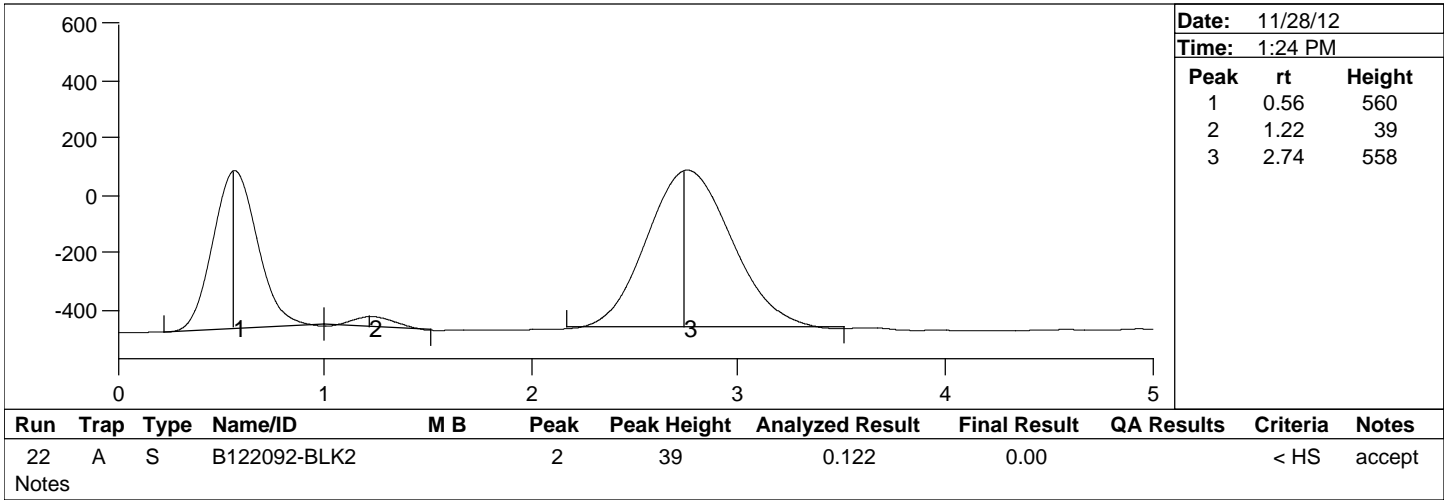
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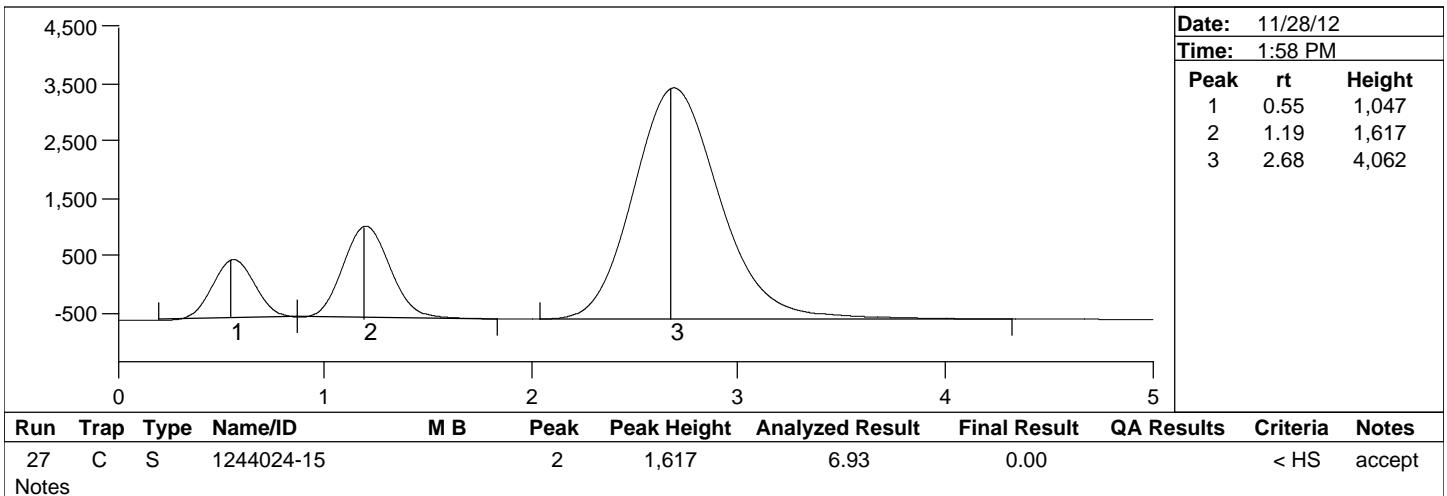
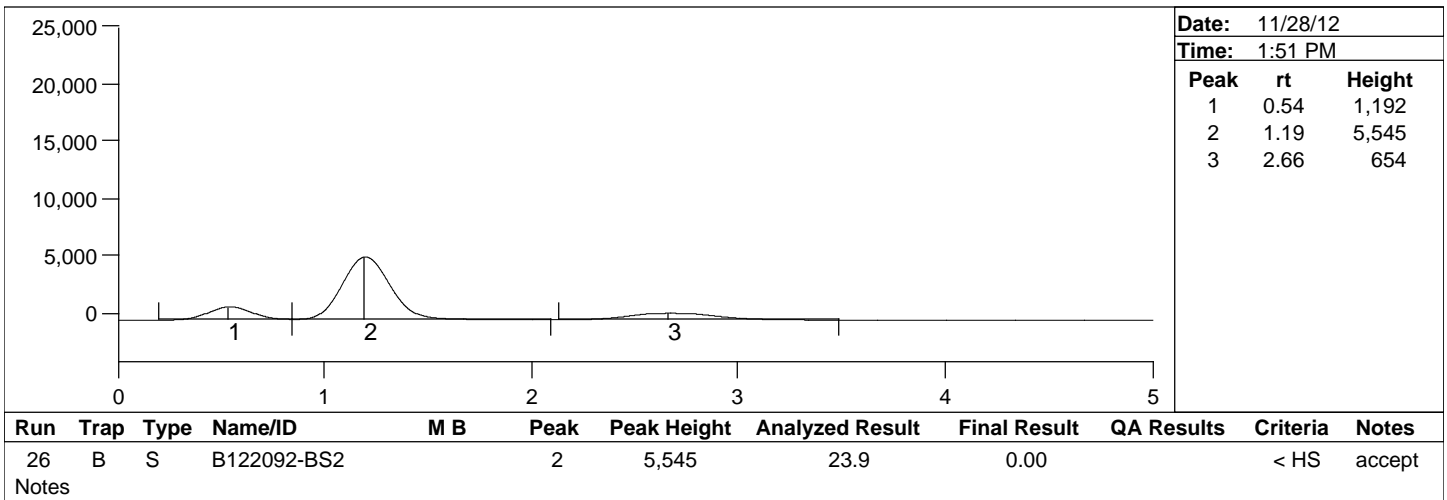
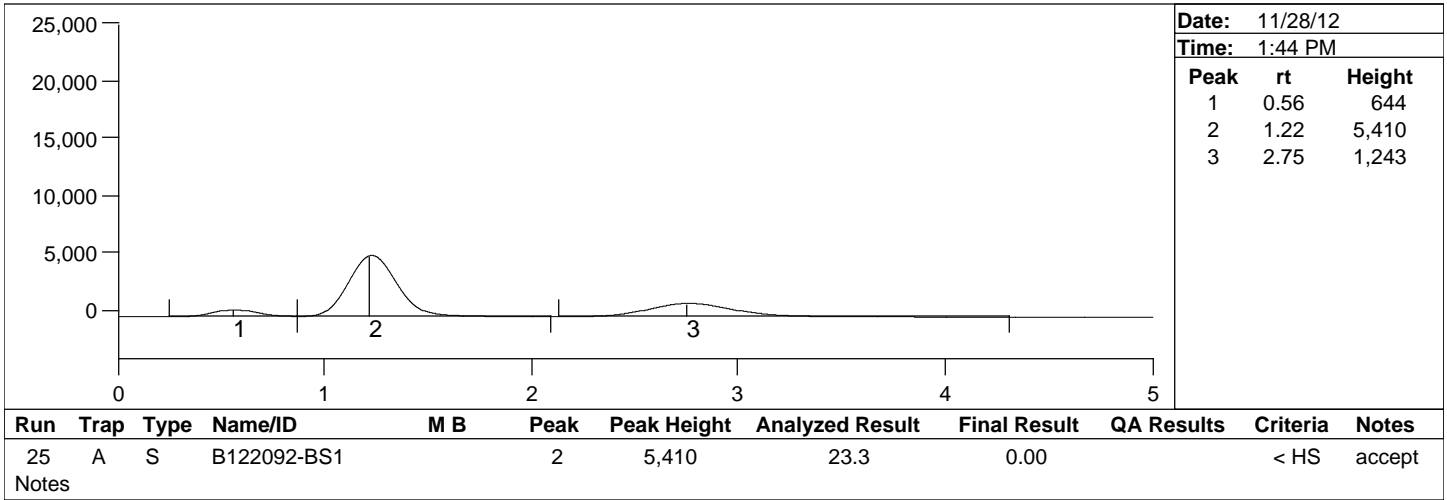
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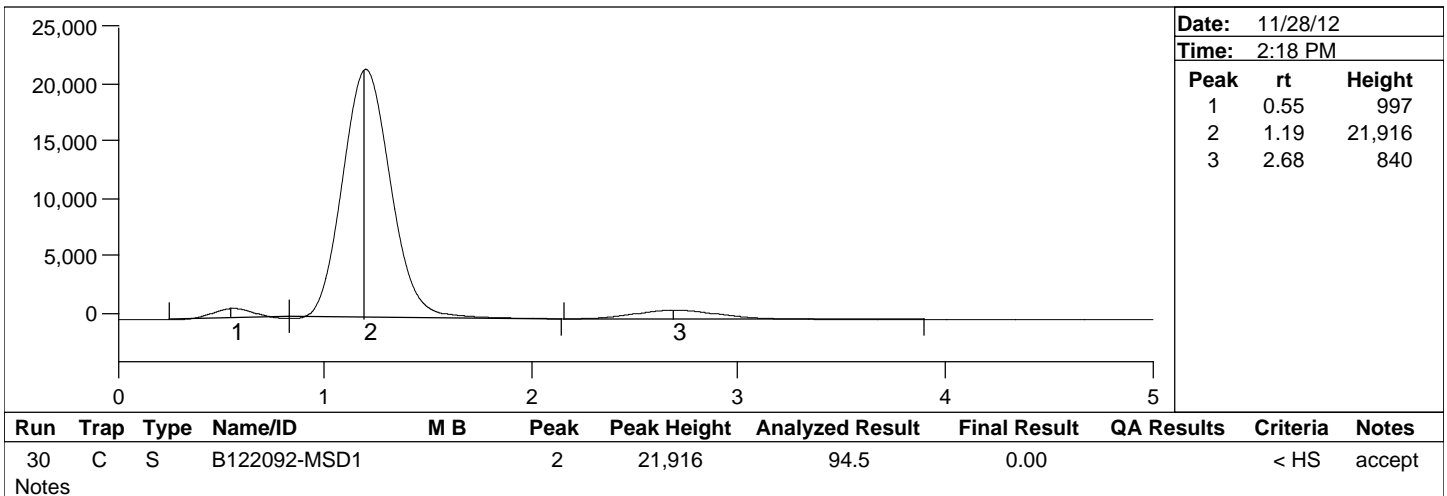
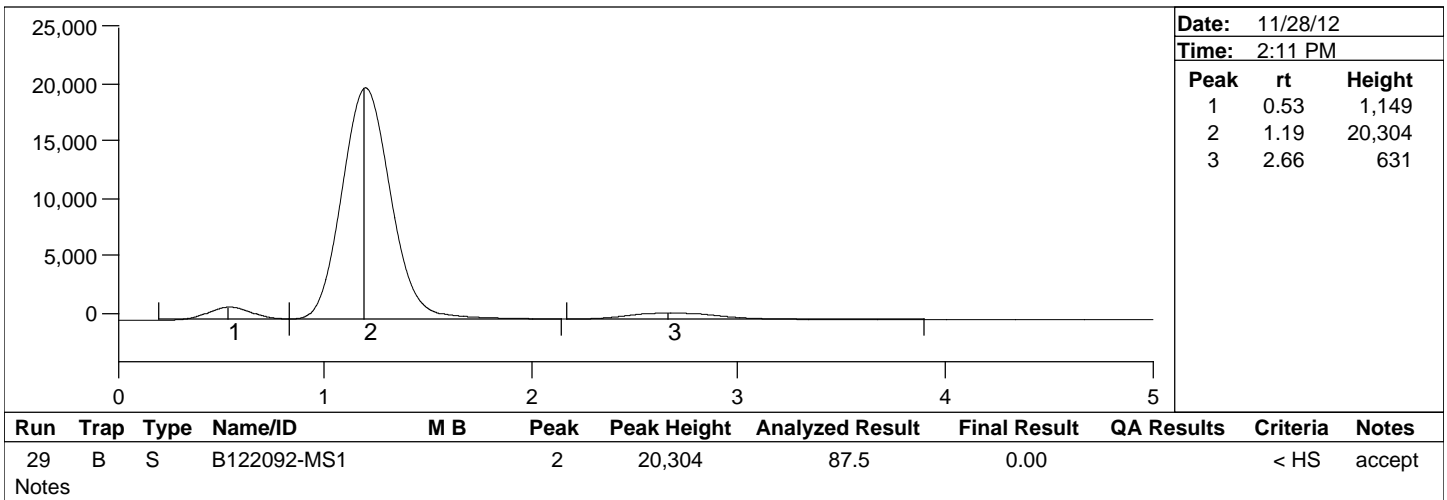
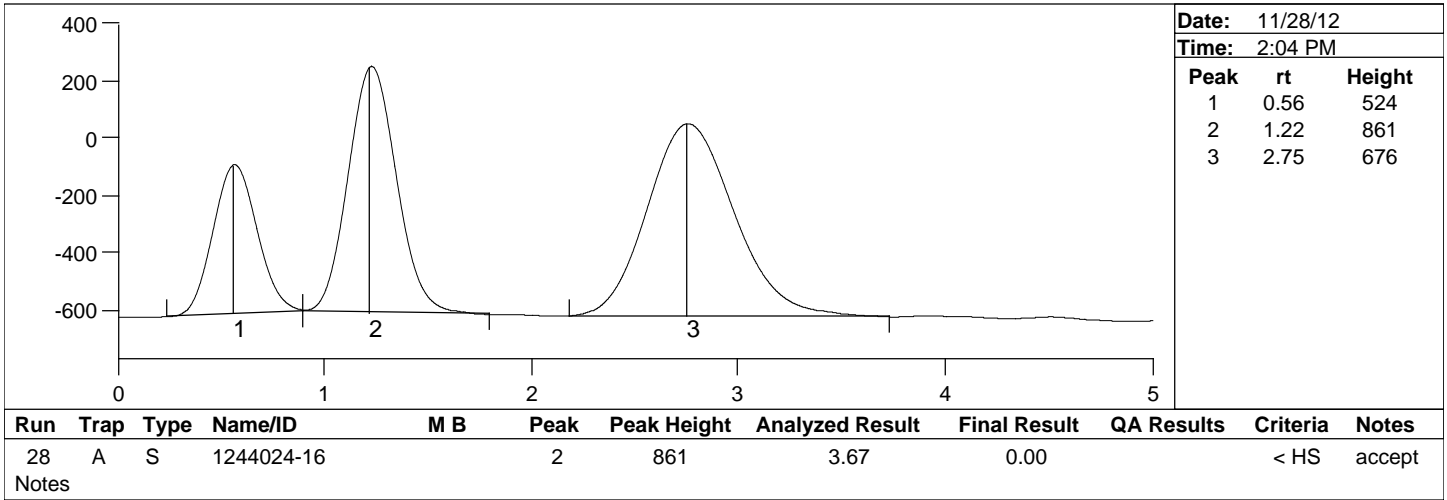
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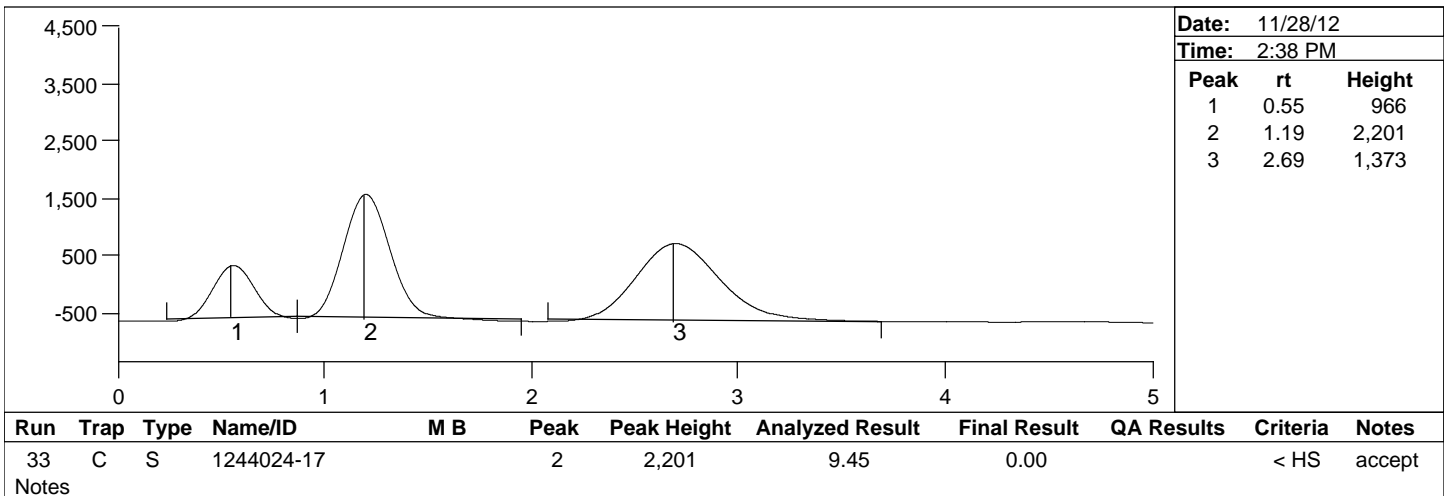
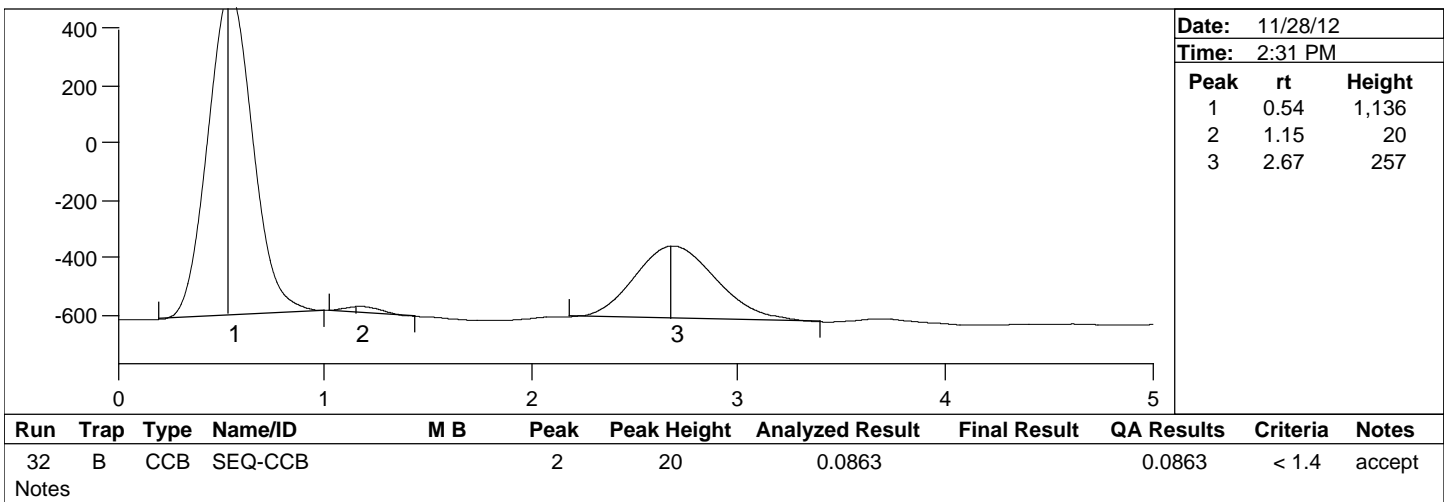
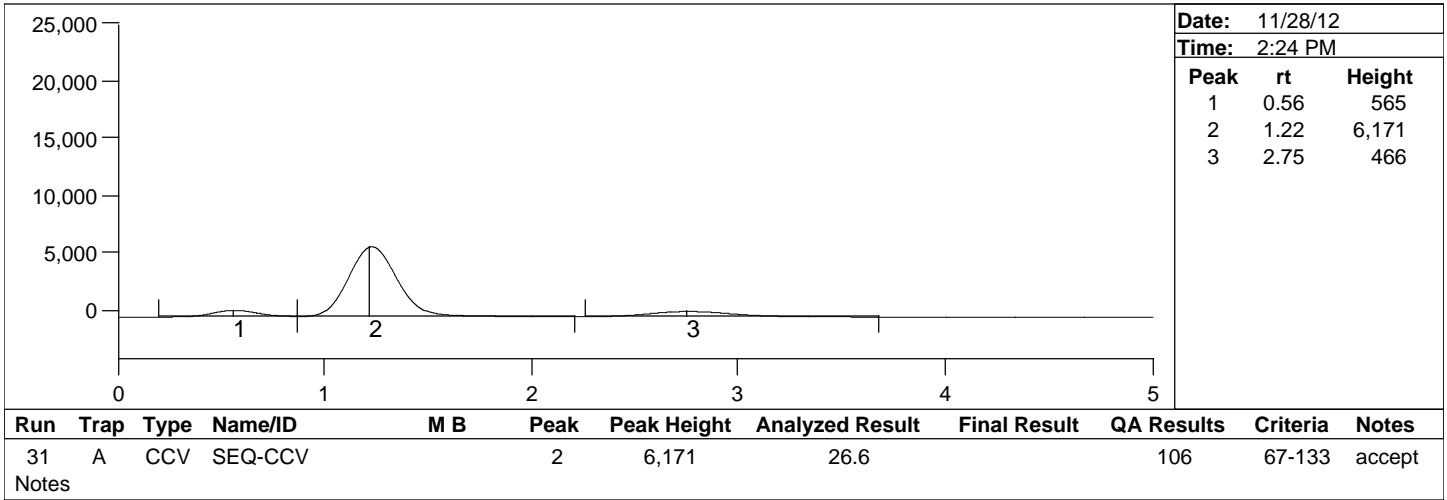
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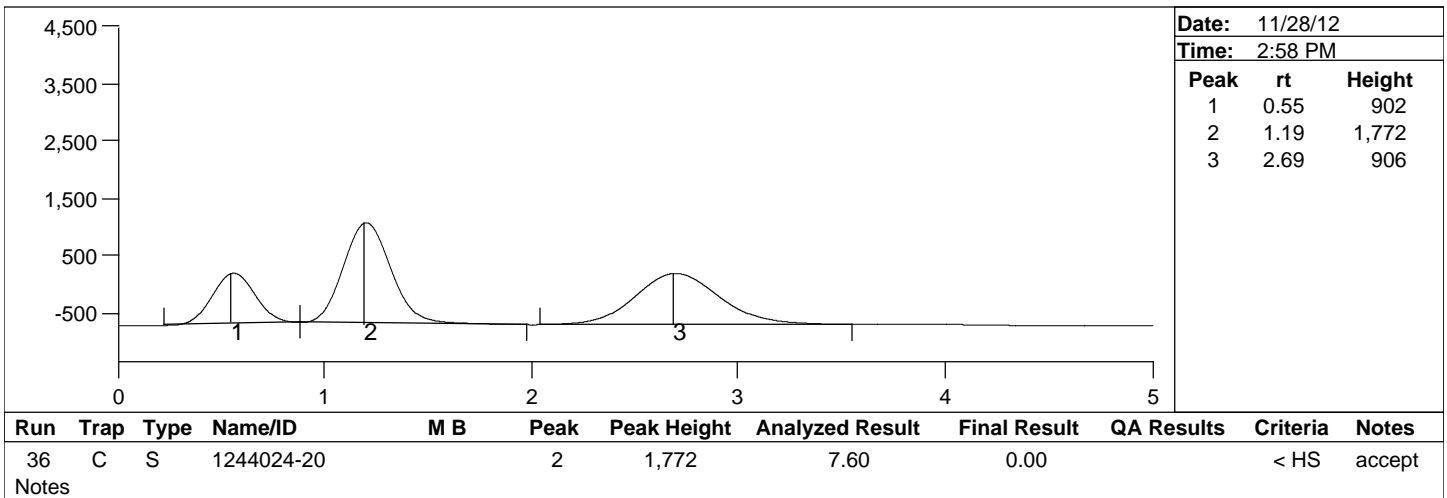
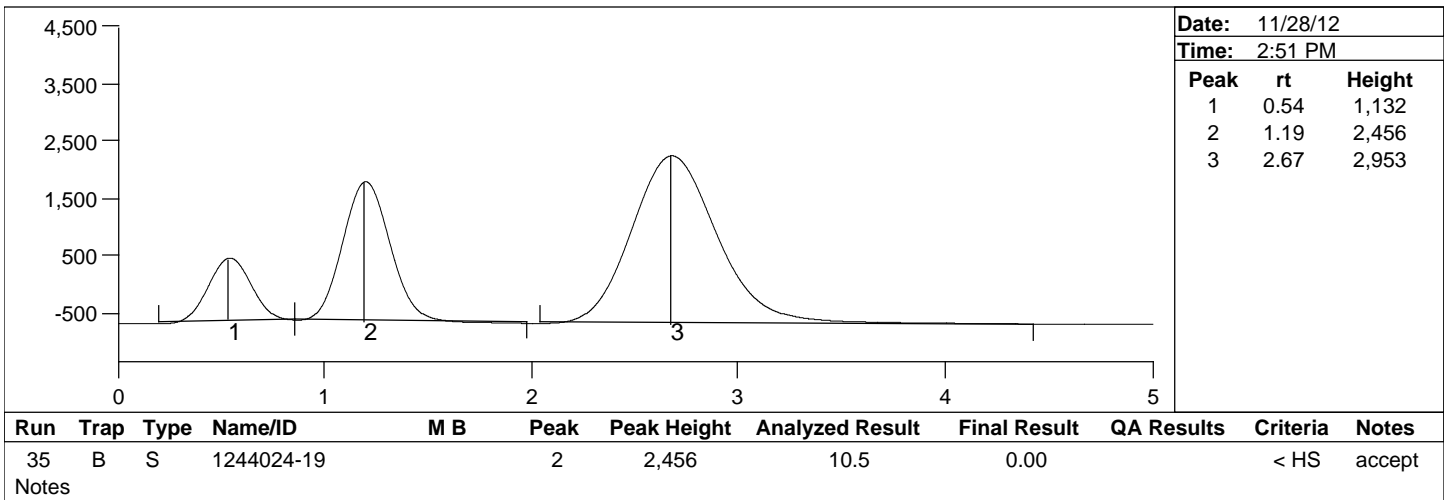
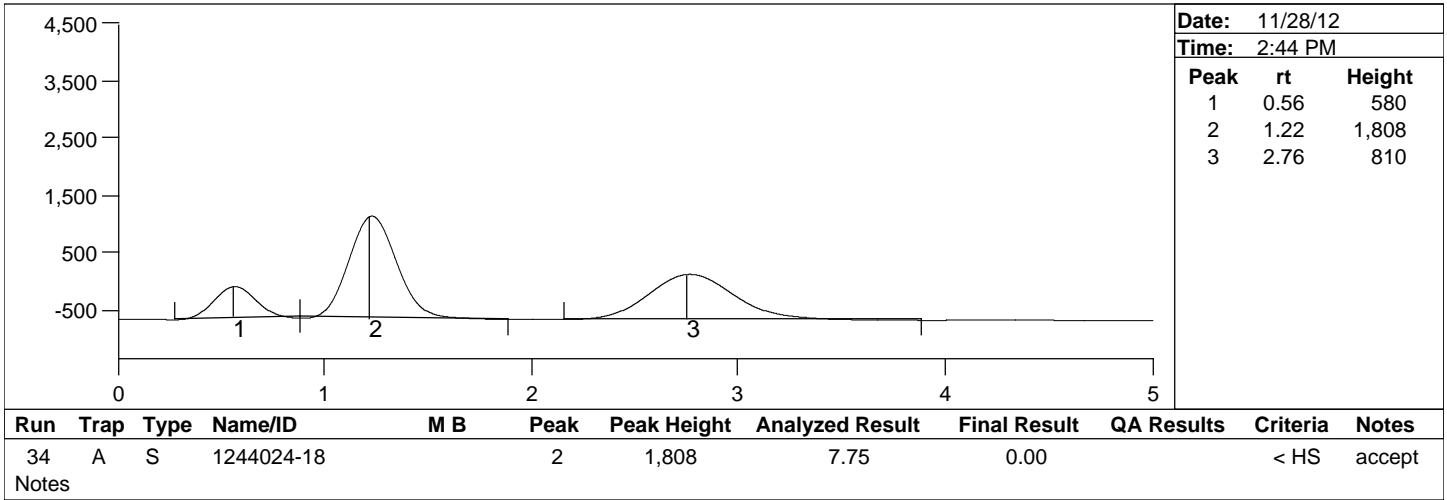
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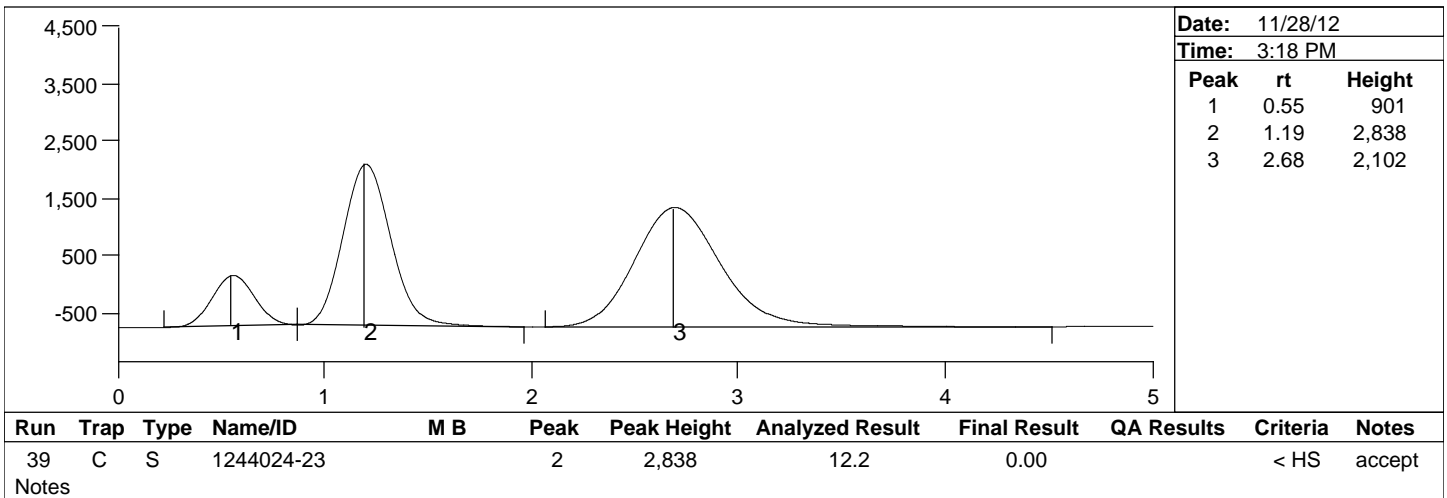
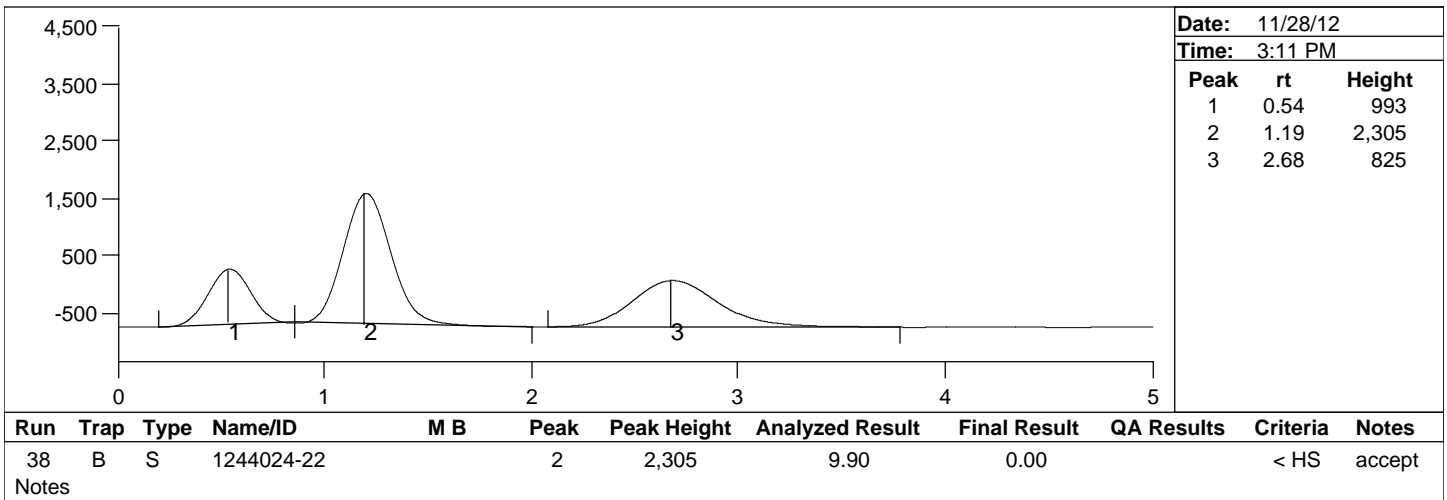
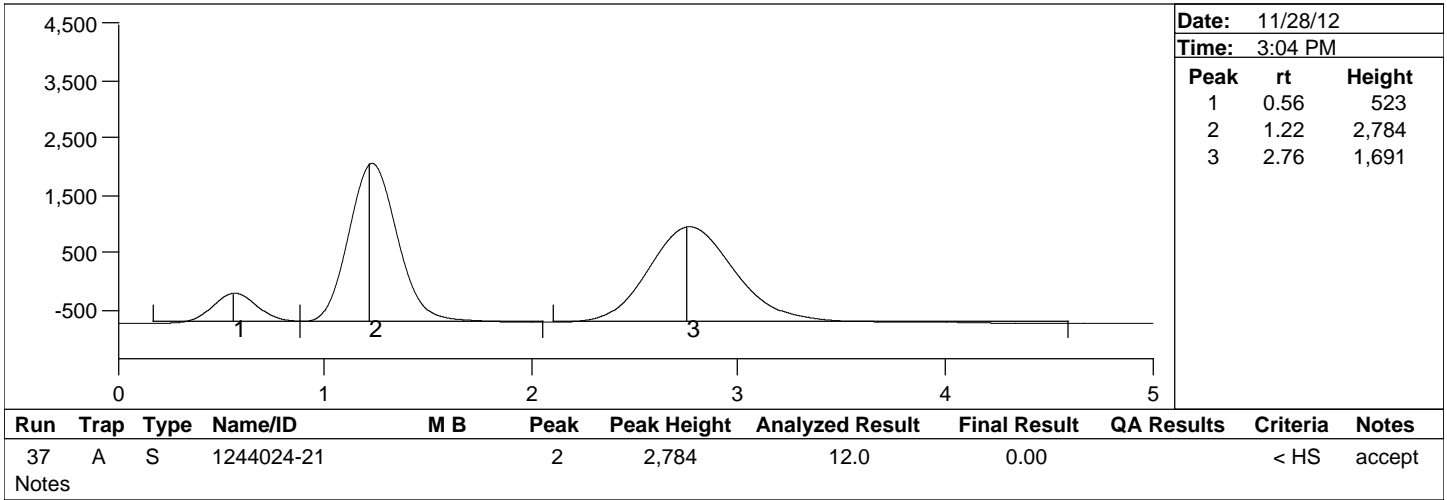
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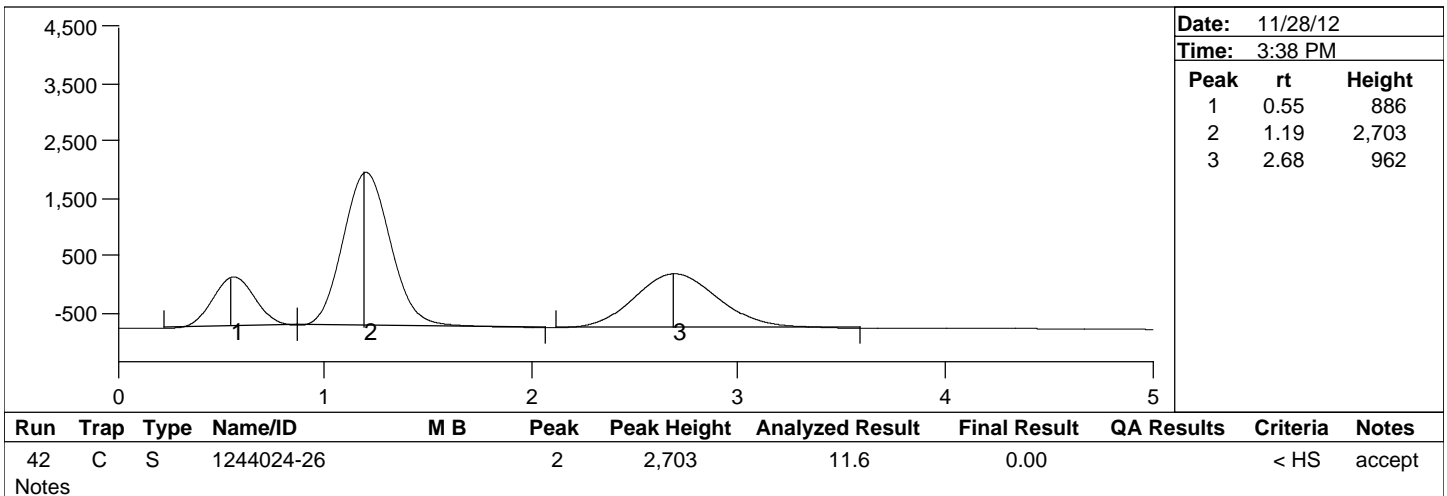
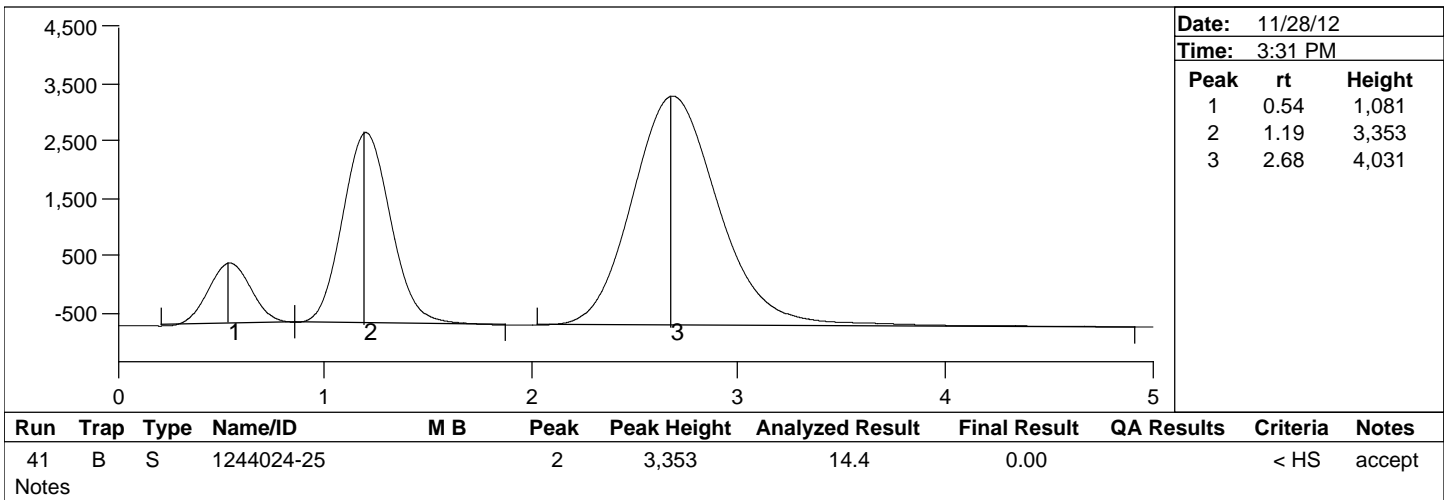
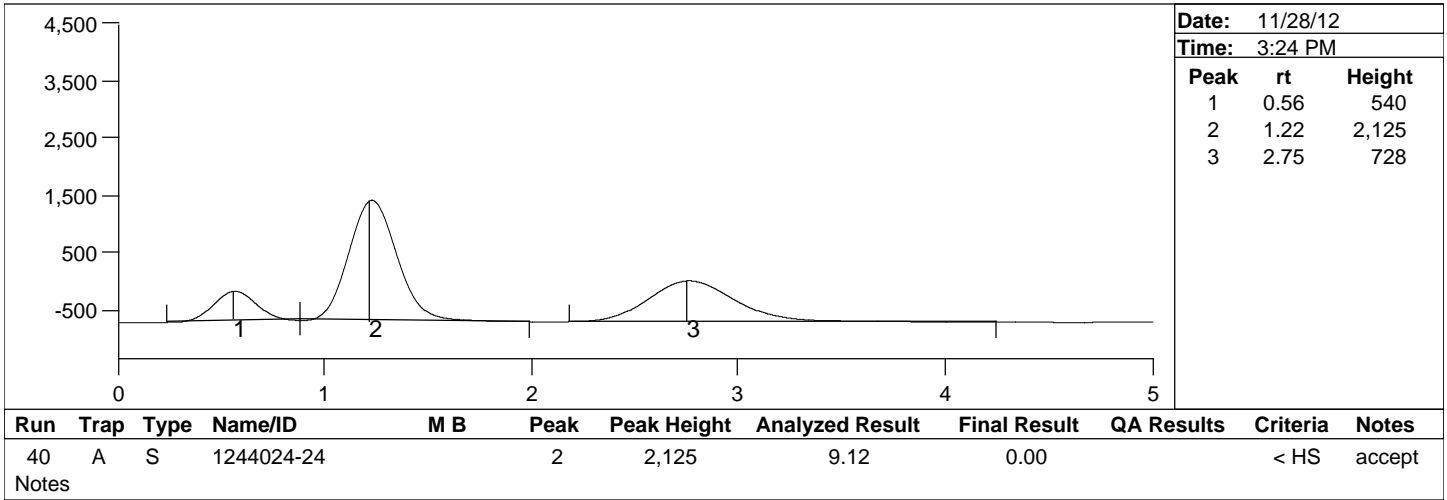
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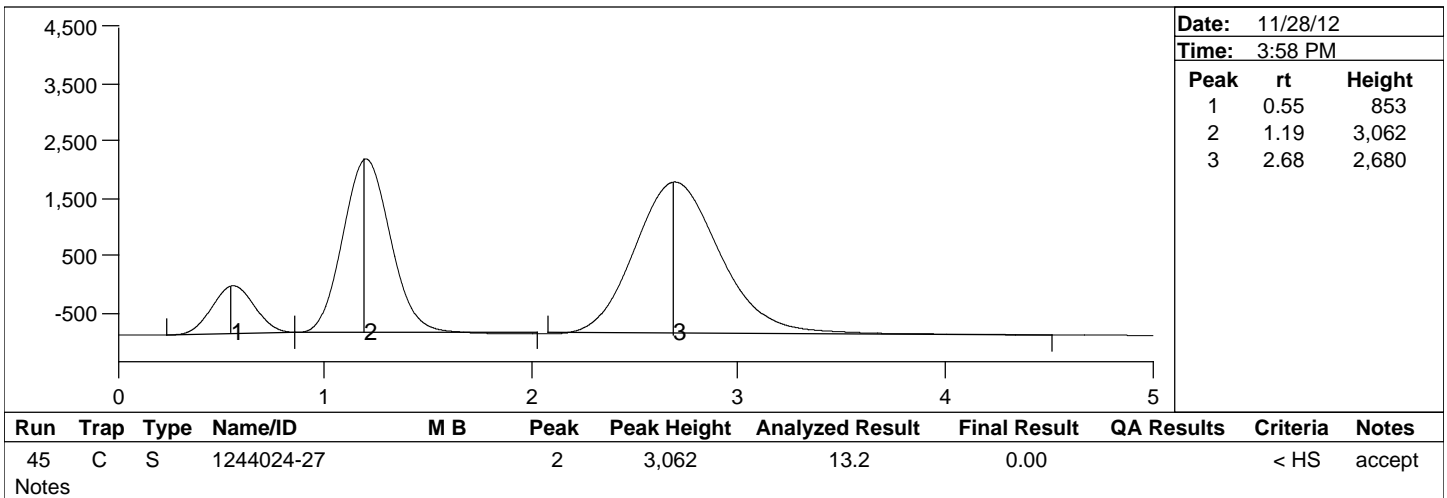
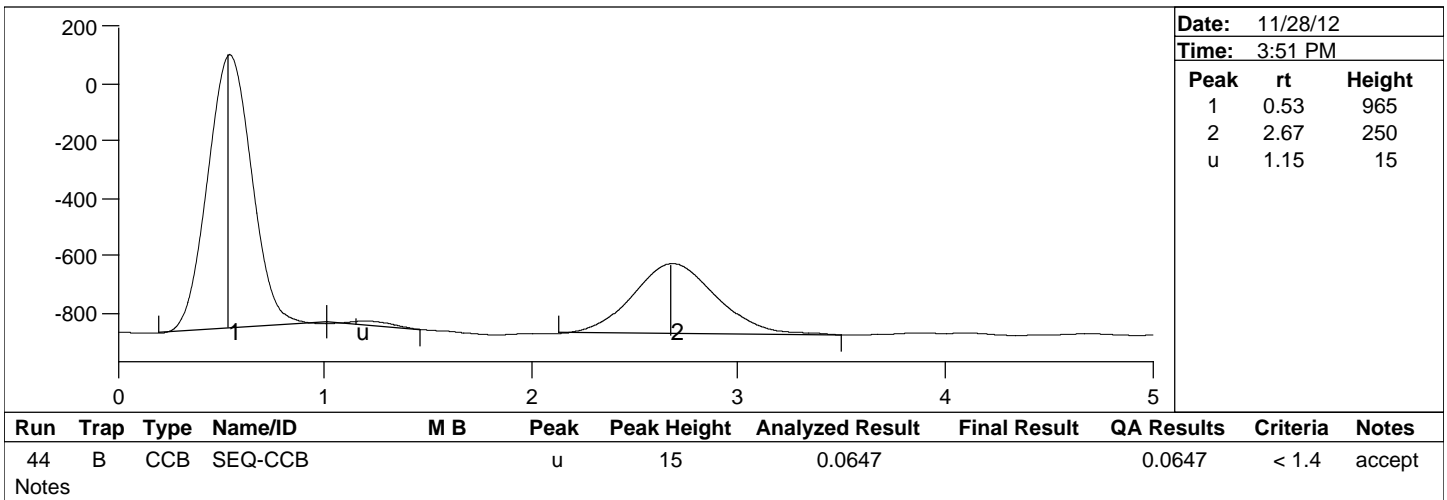
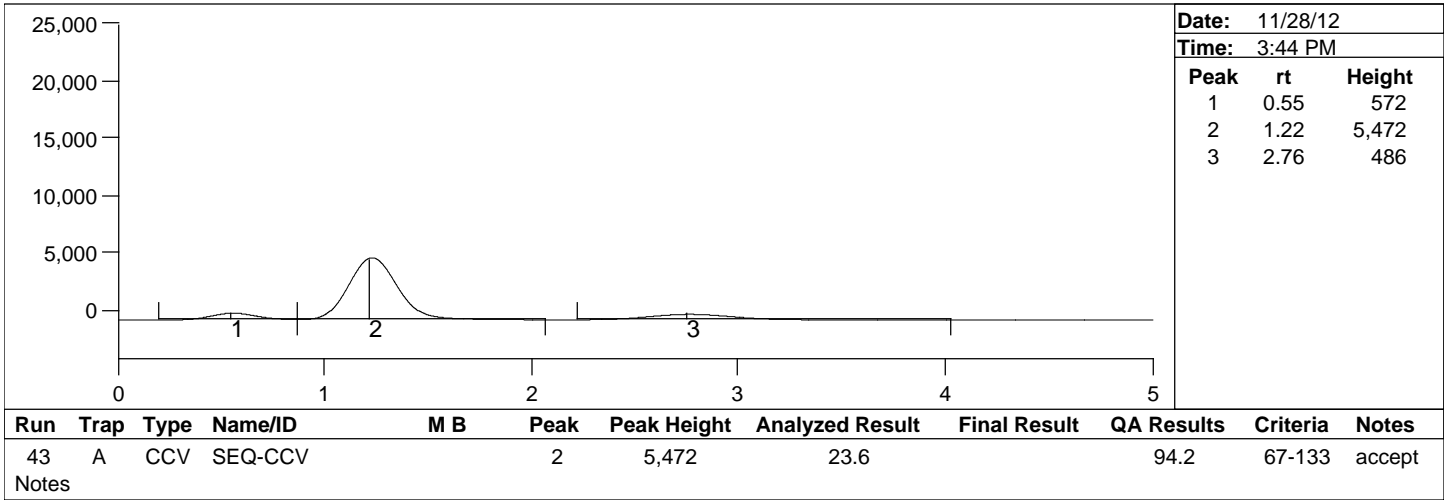
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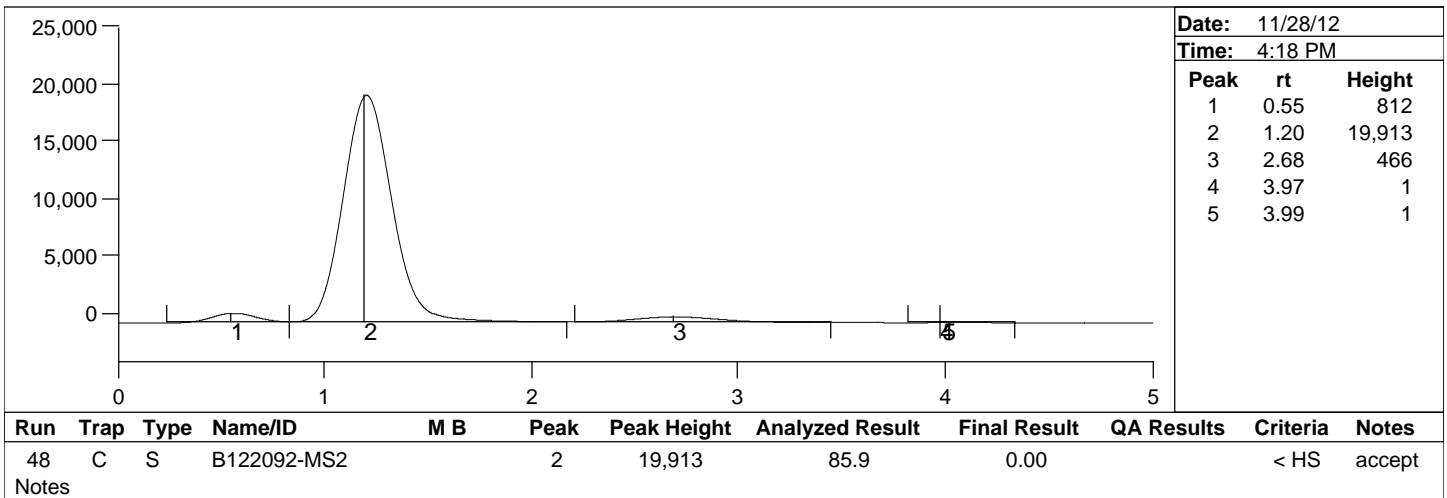
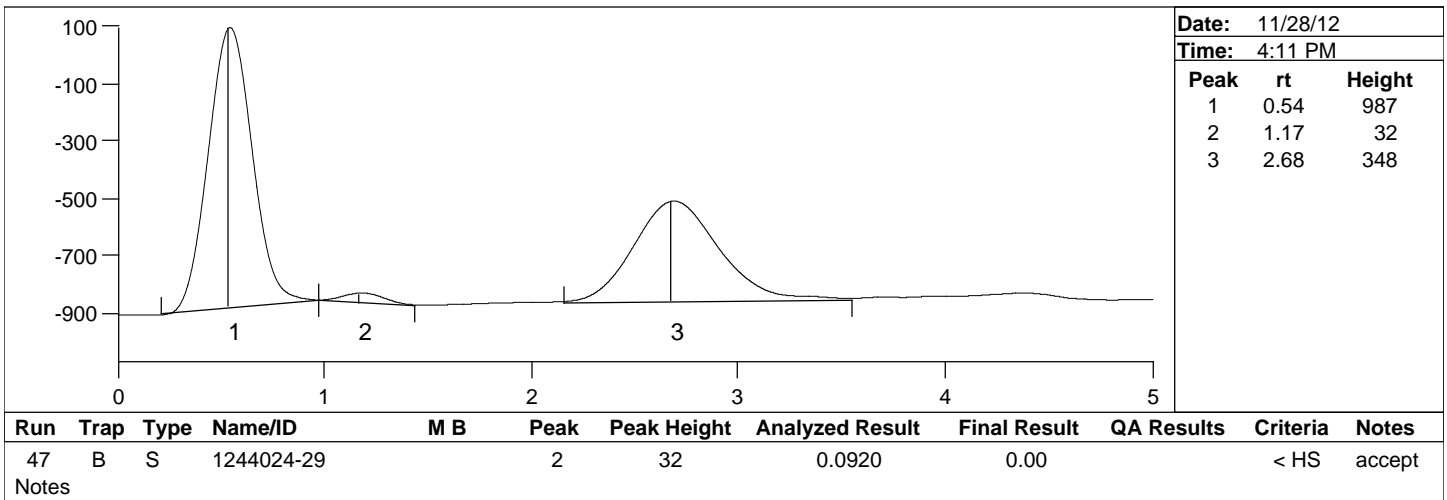
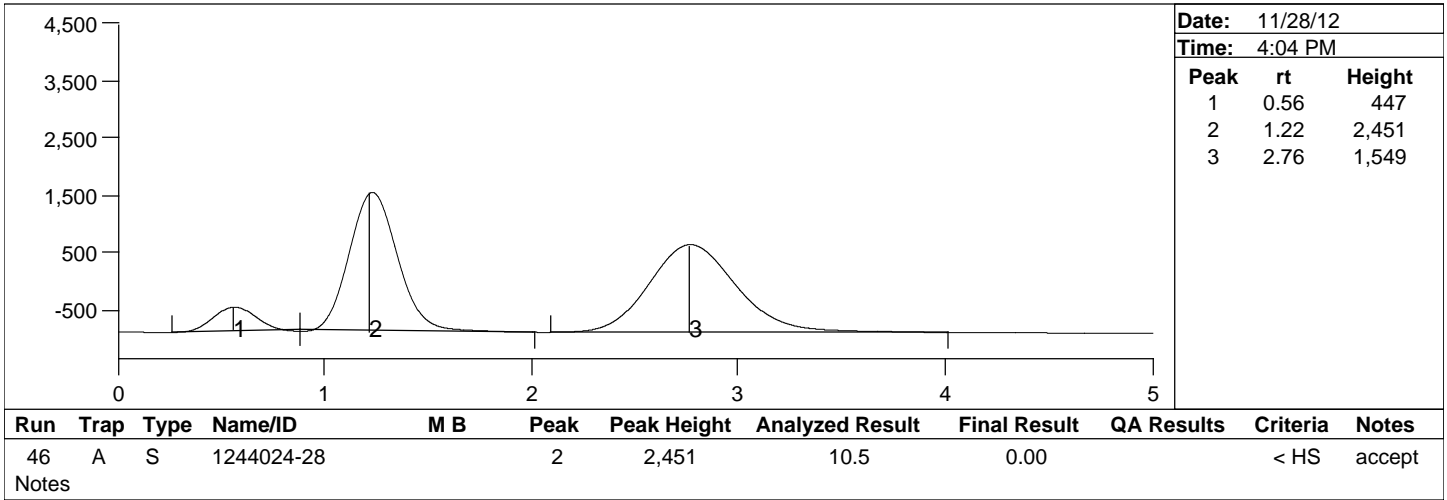
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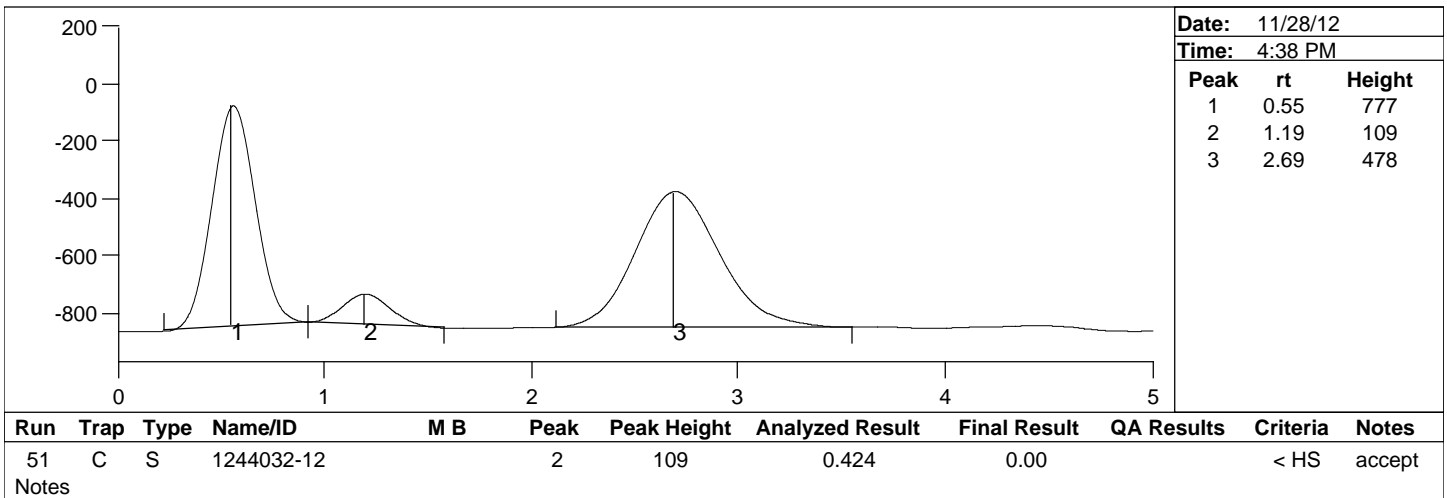
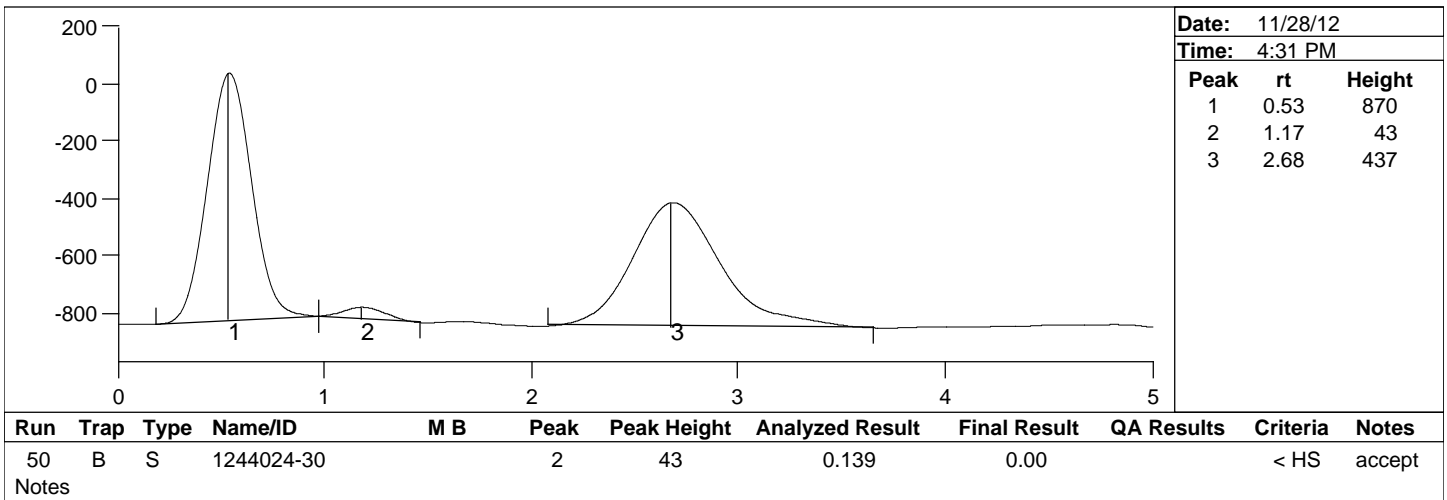
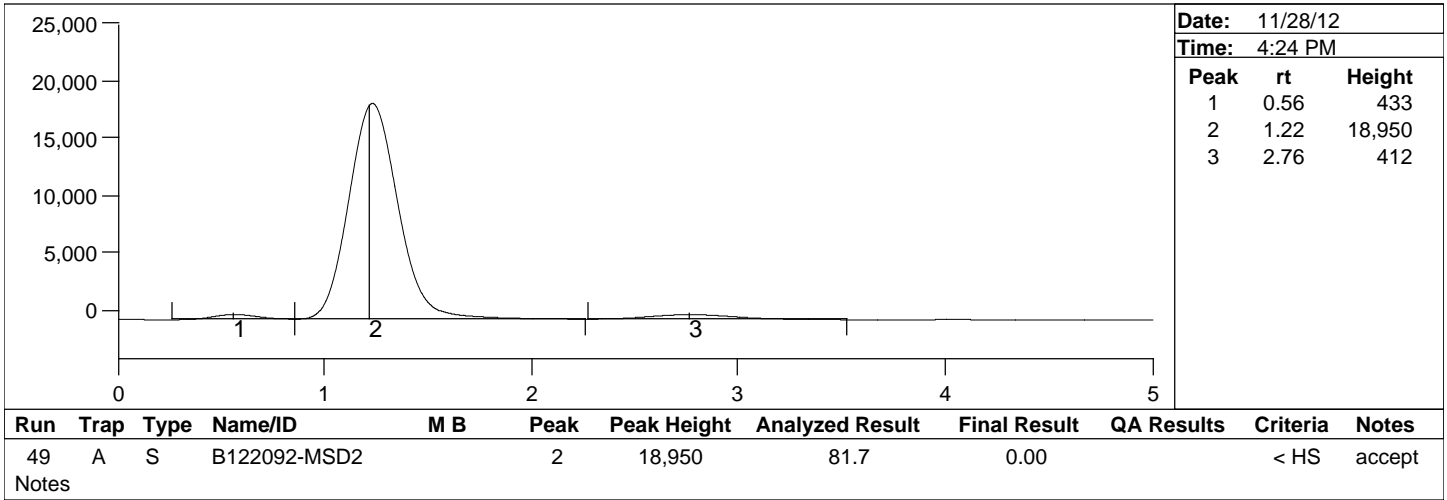
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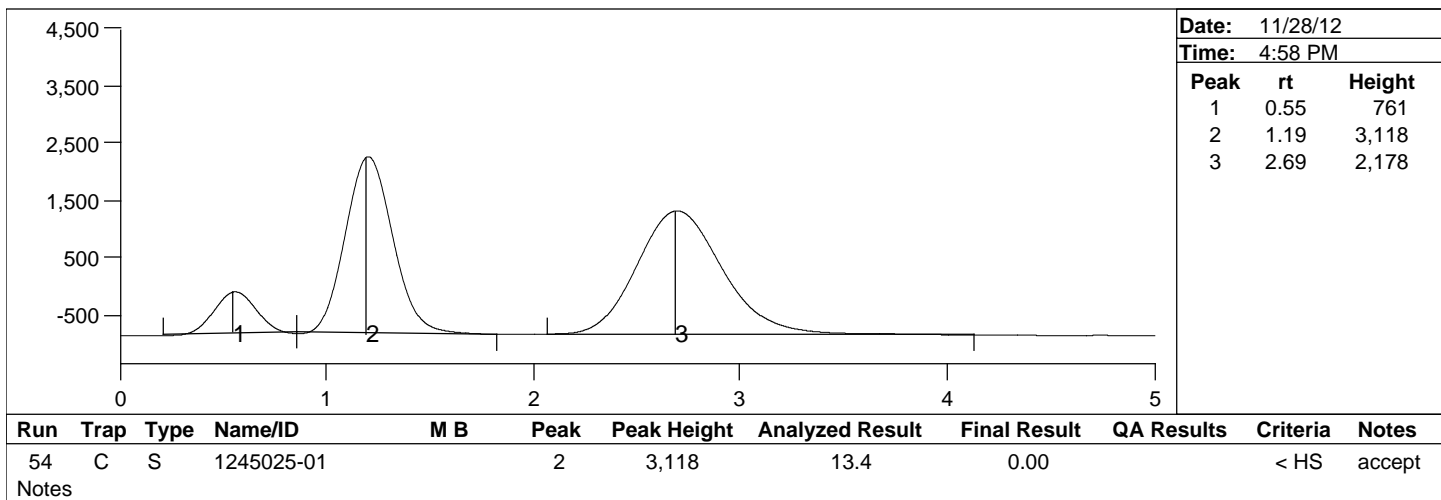
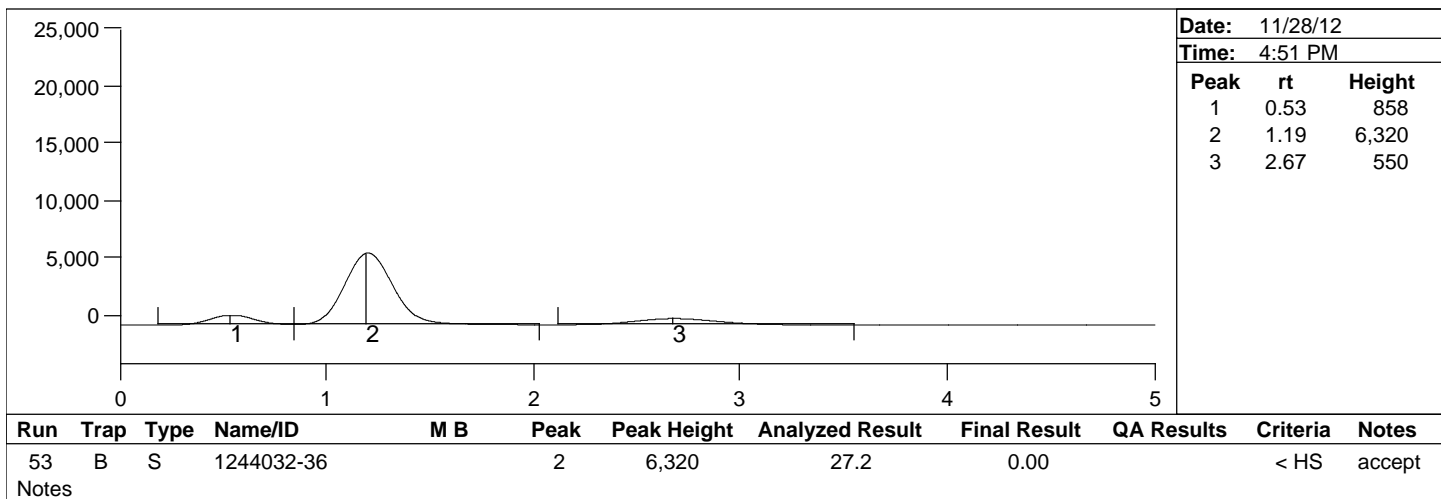
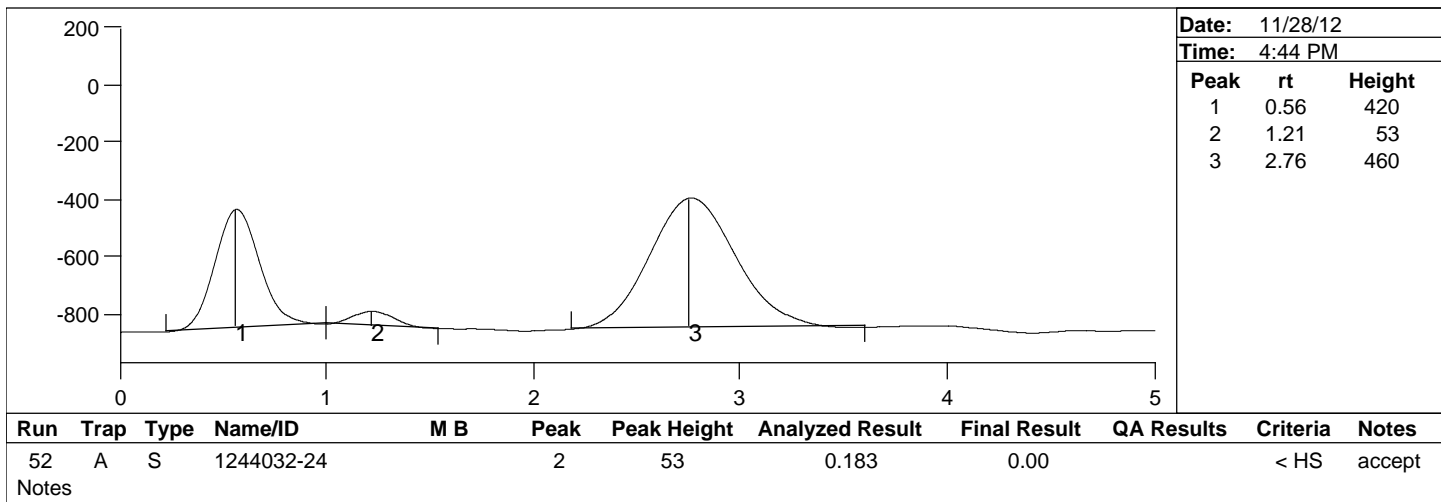
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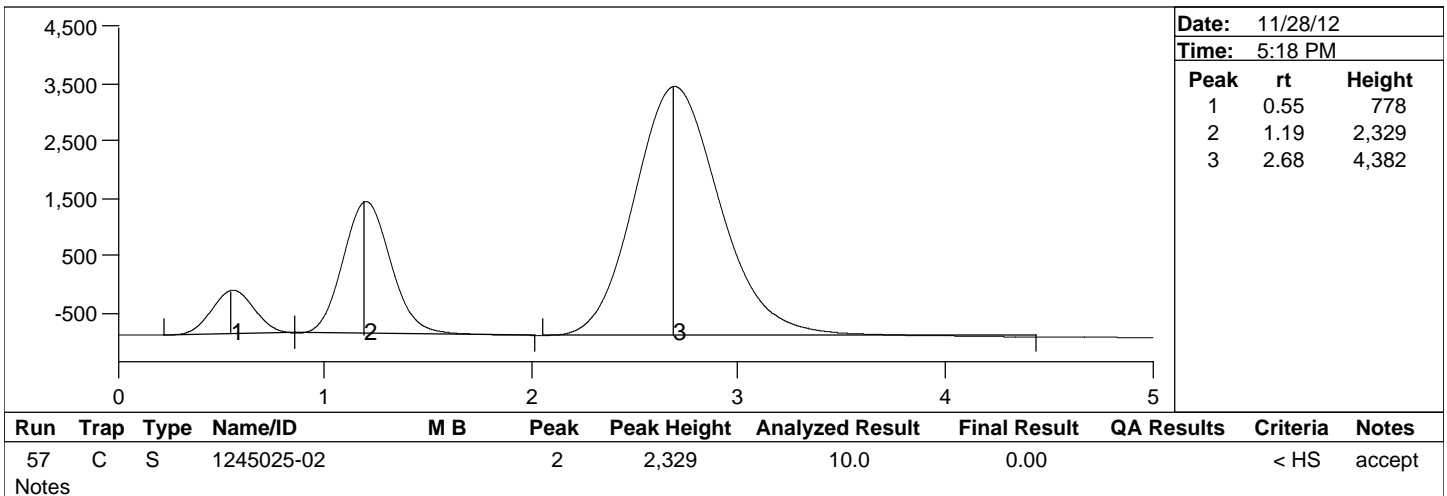
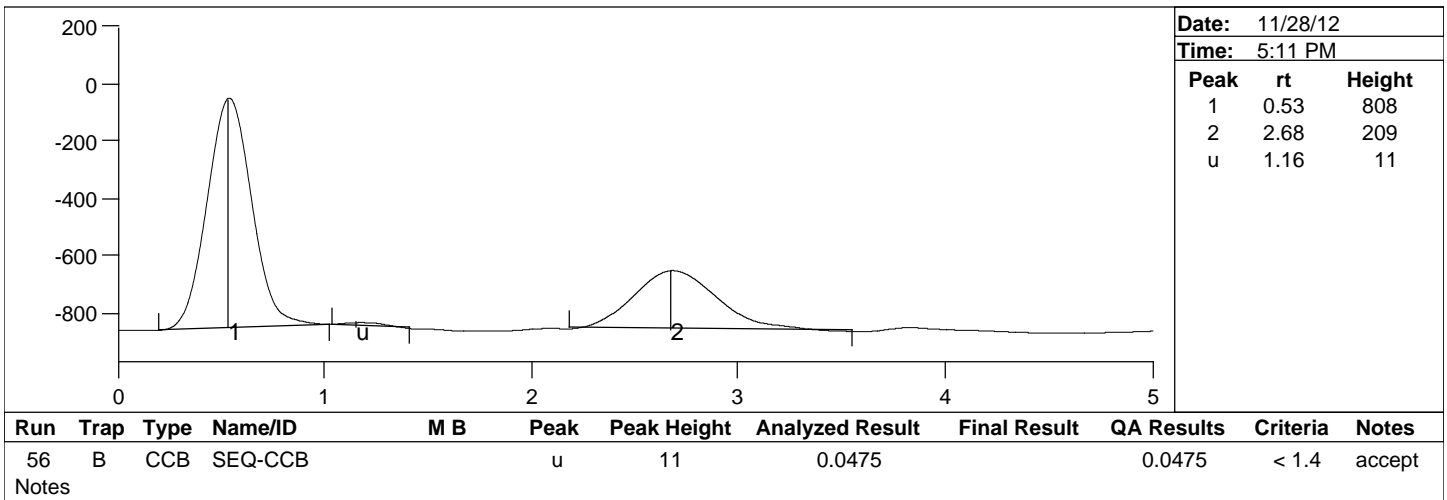
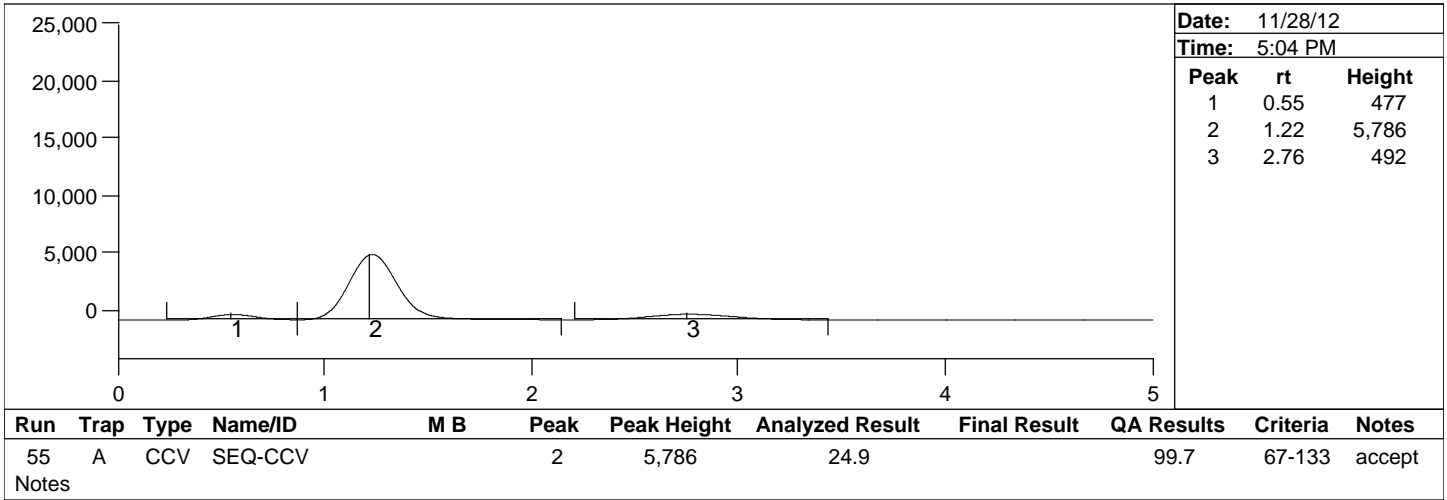
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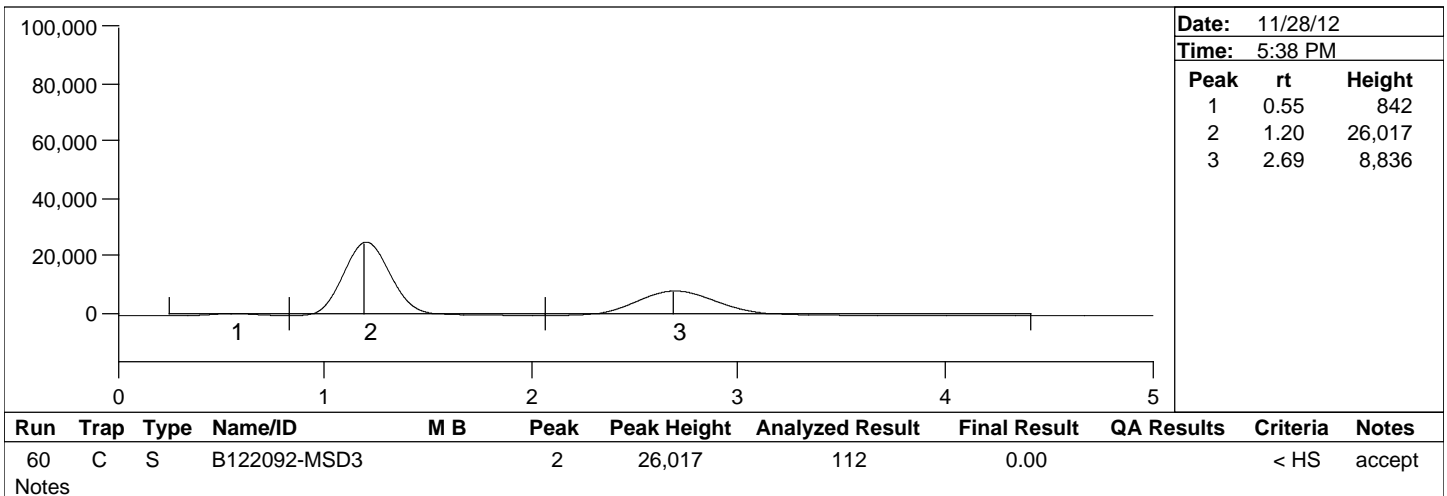
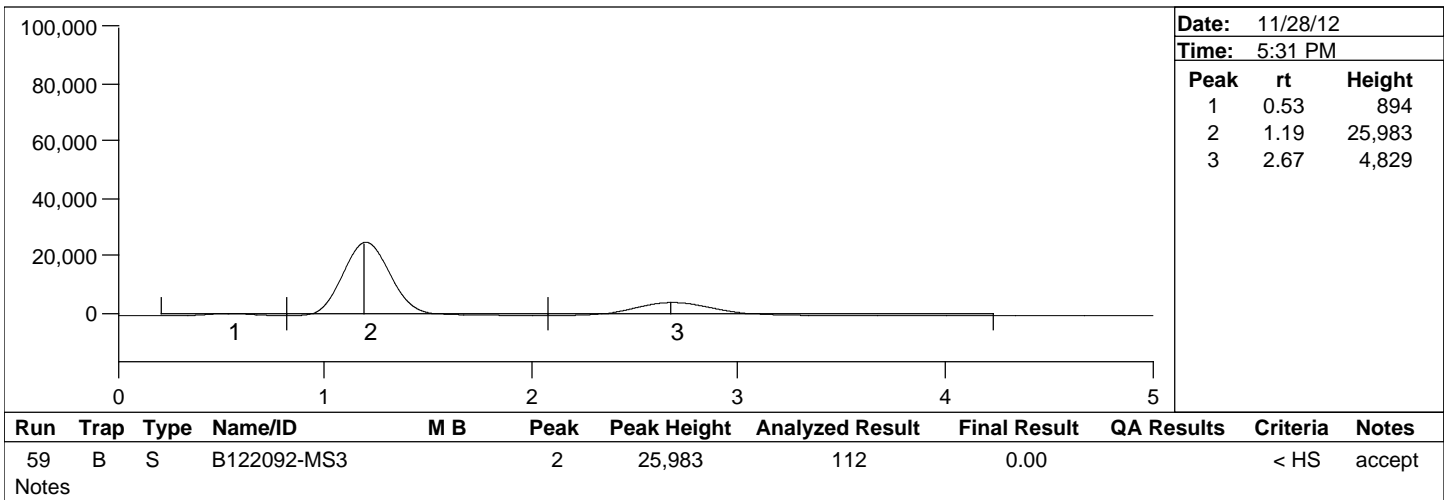
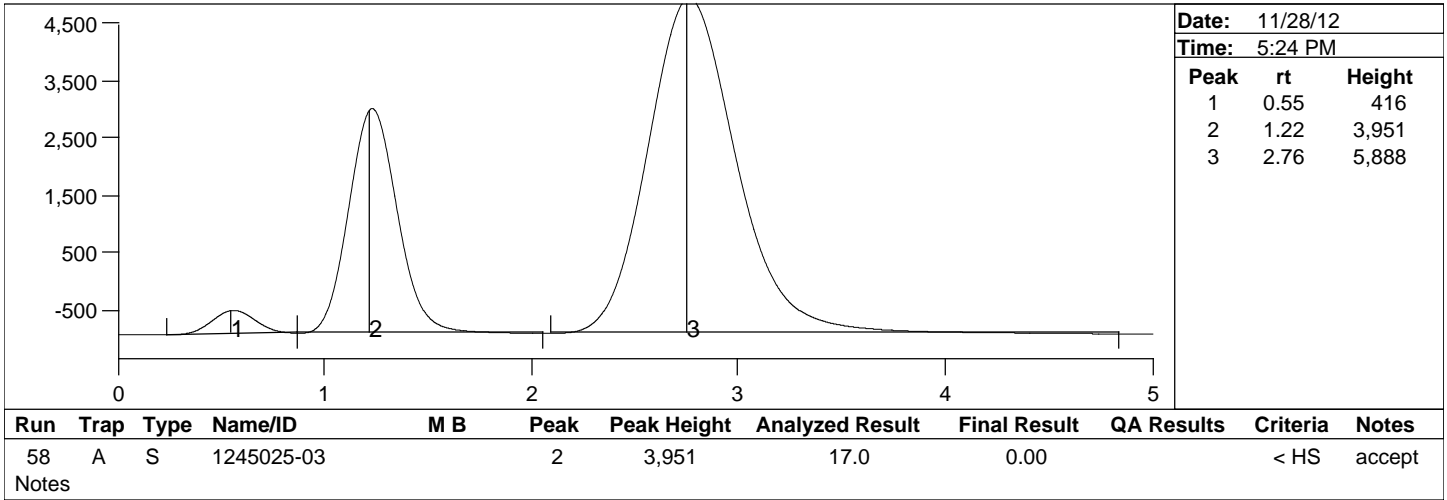
Method Number: CVAFS BR-0011

Project Number(s): 1200887

Instrument ID: MMHG-09

Date Analyzed: 11/28/12

Analyst Name: BJT



Peak Report

Batch Number: B122092, 2127, 2077, 2031

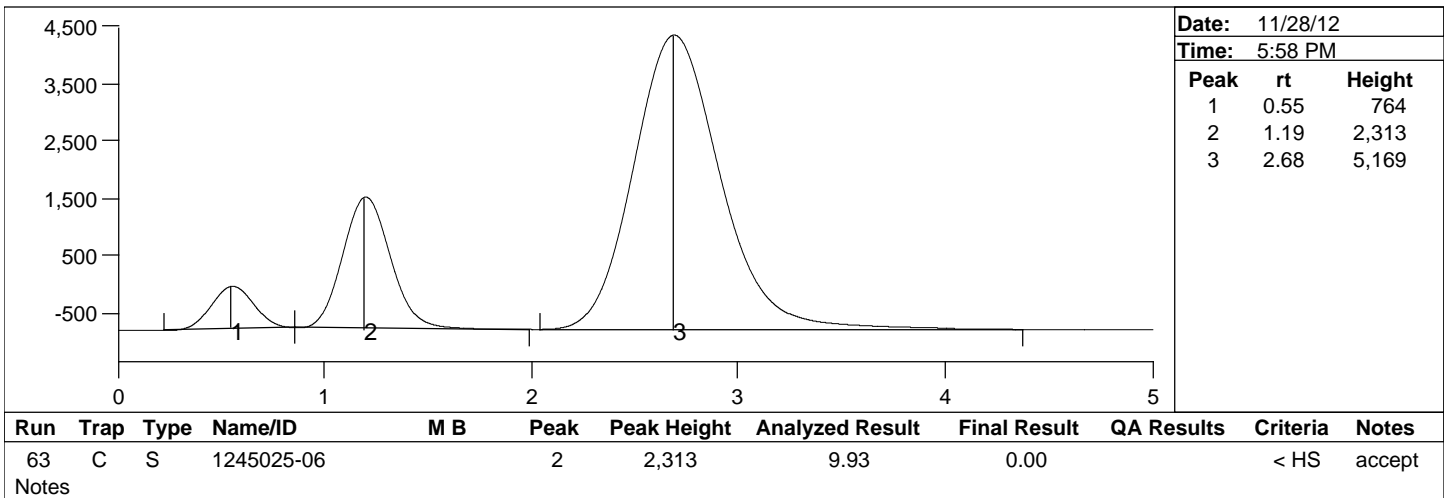
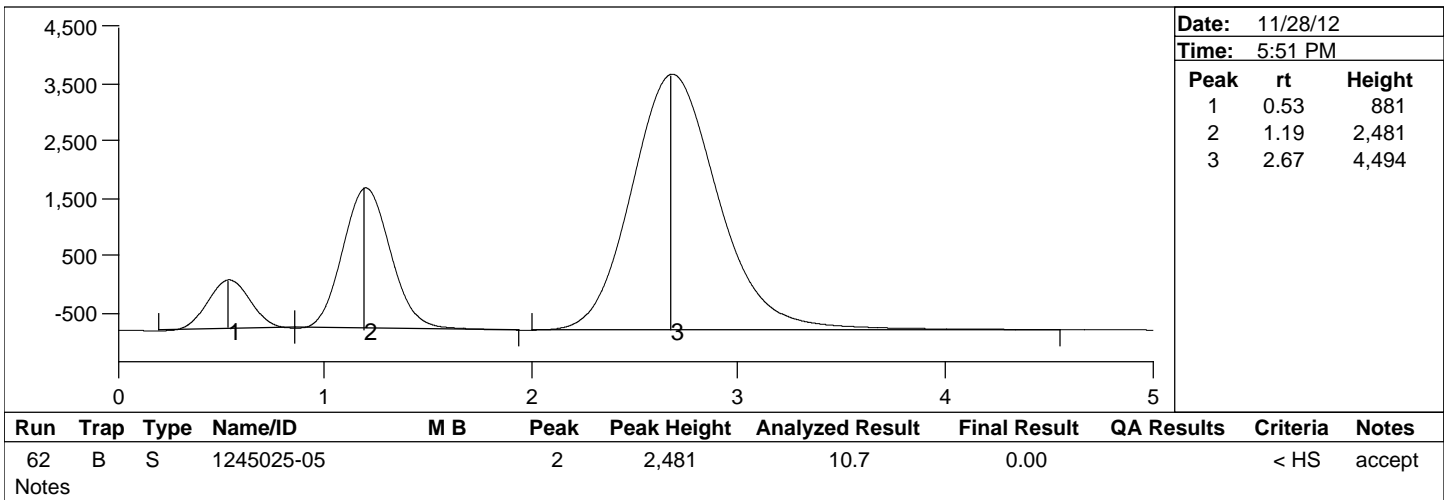
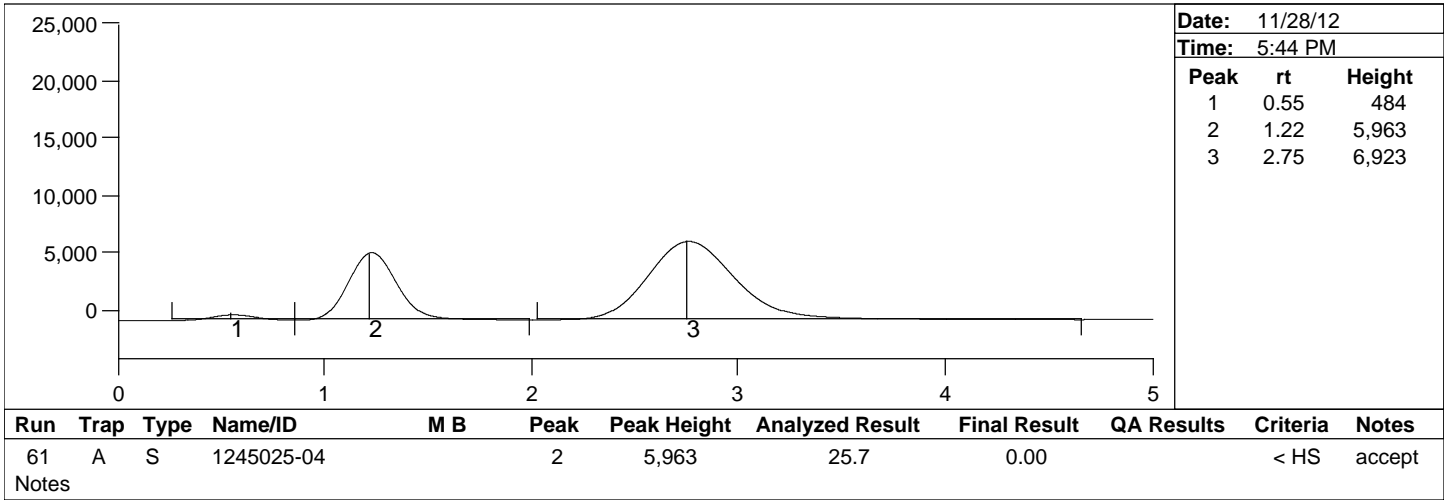
Method Number: CVAFS BR-0011

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Instrument ID: MMHG-09

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Analyst Name: BJT



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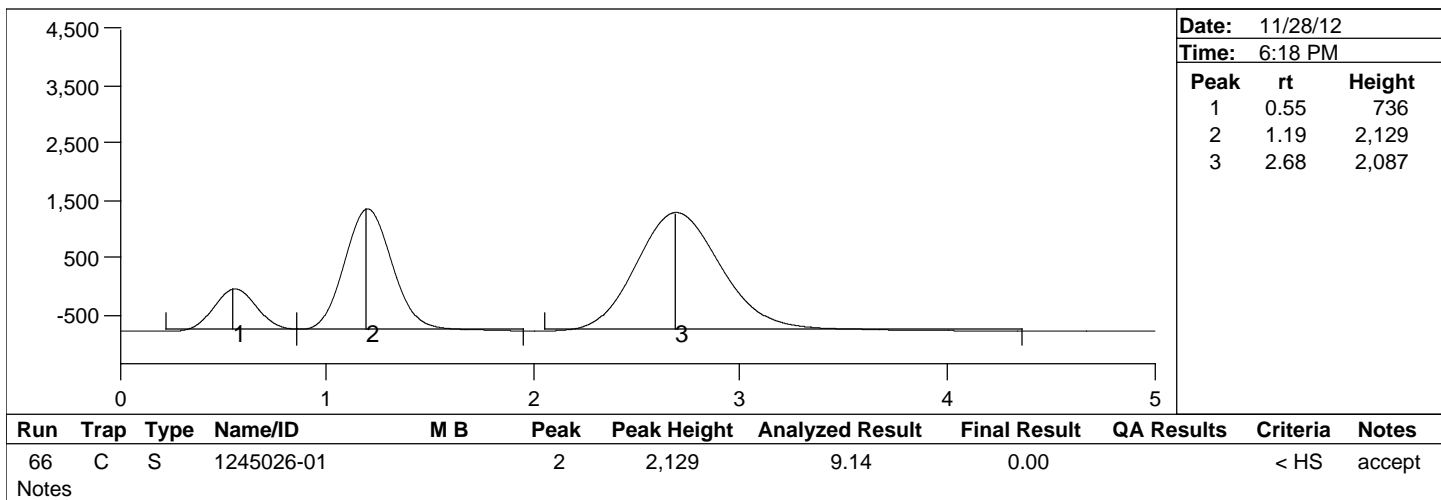
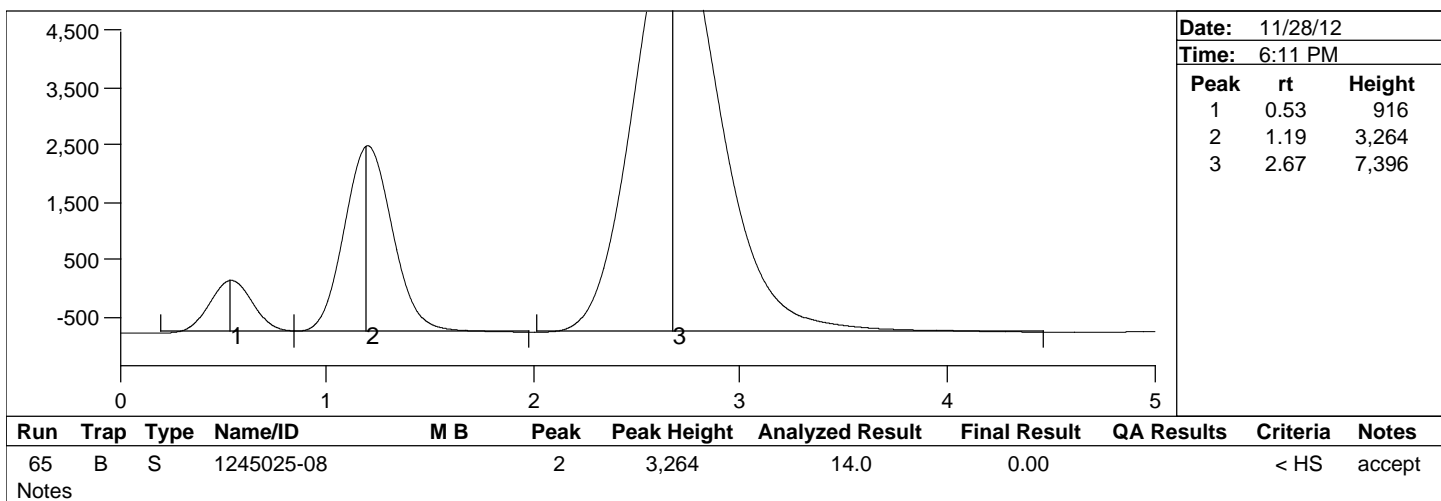
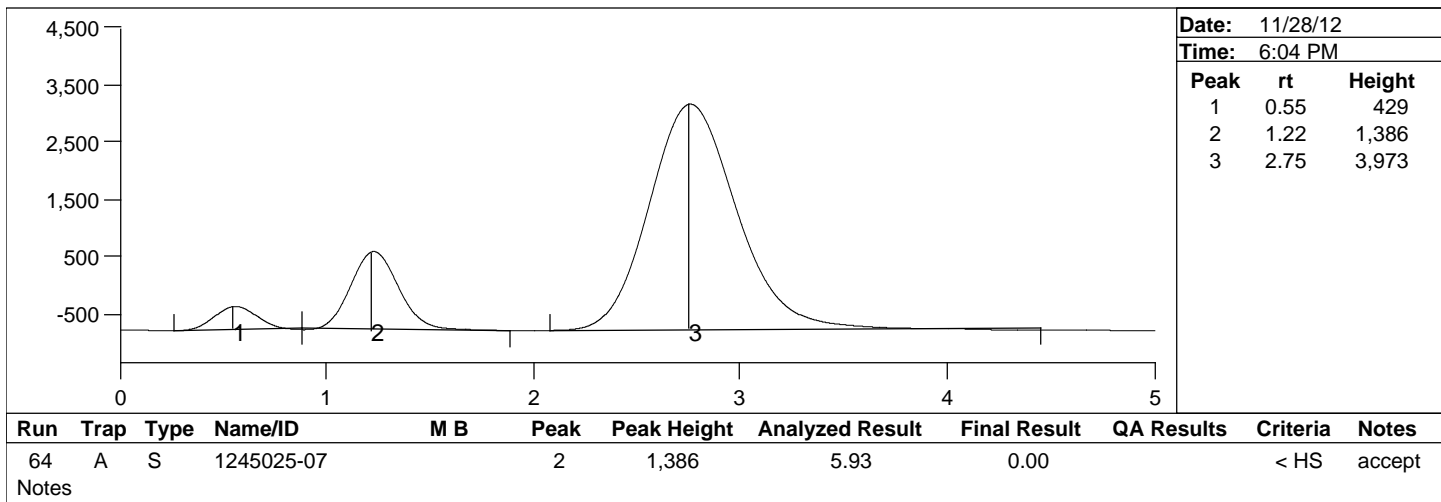
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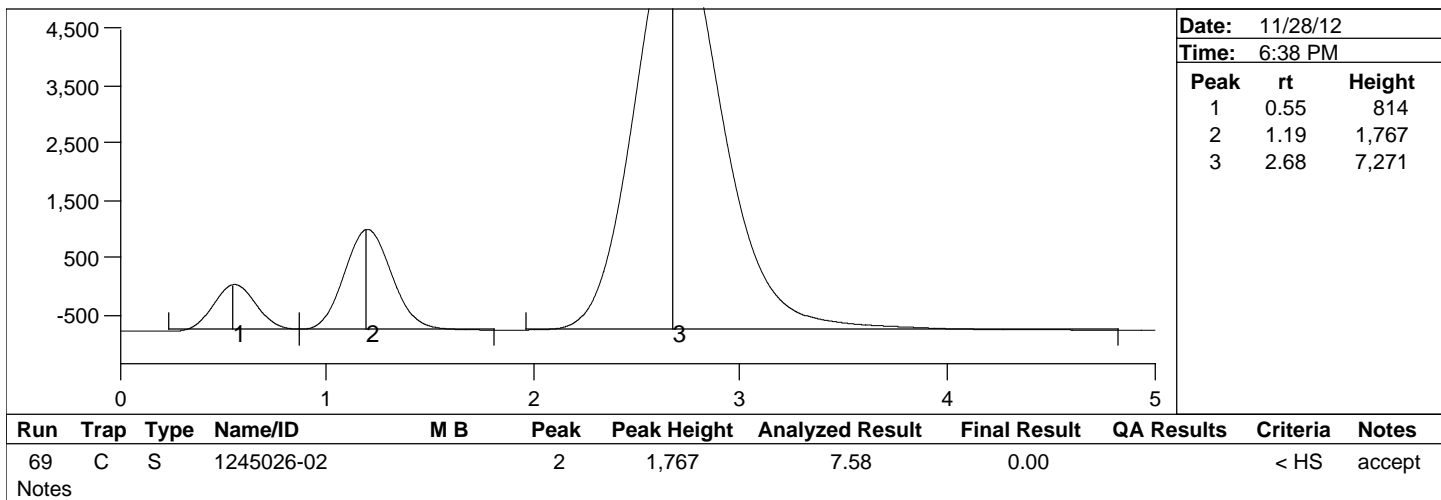
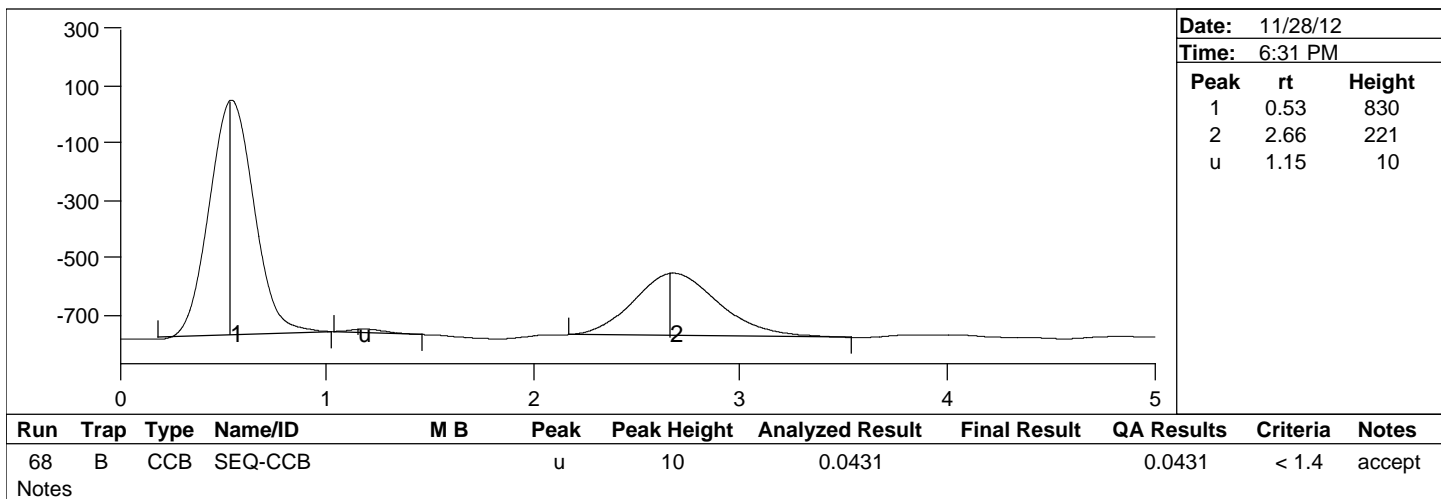
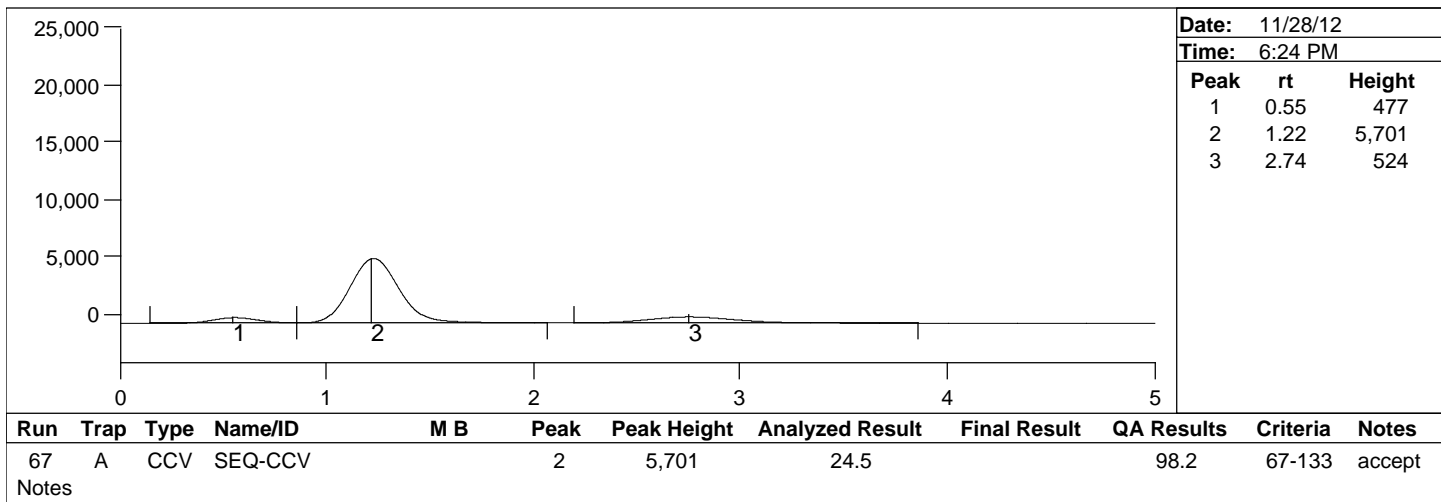
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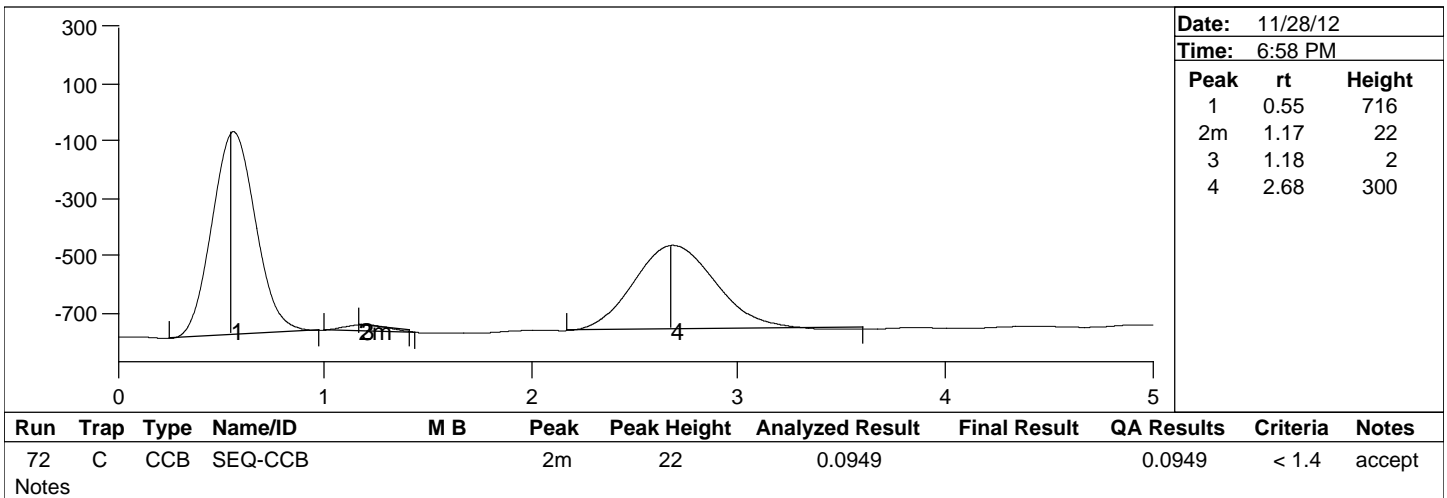
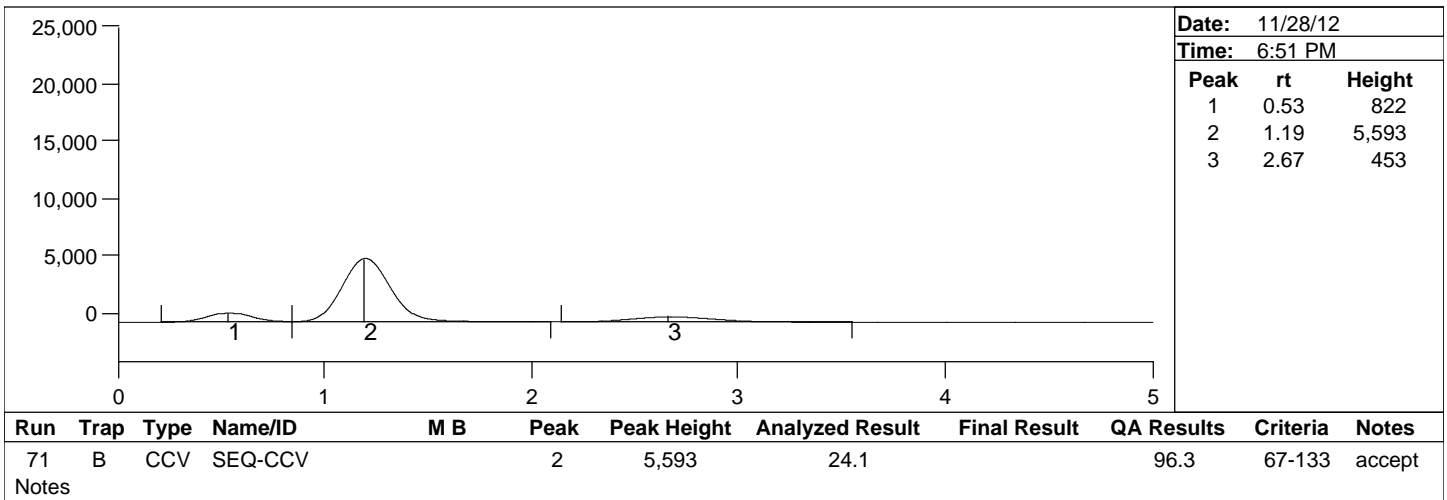
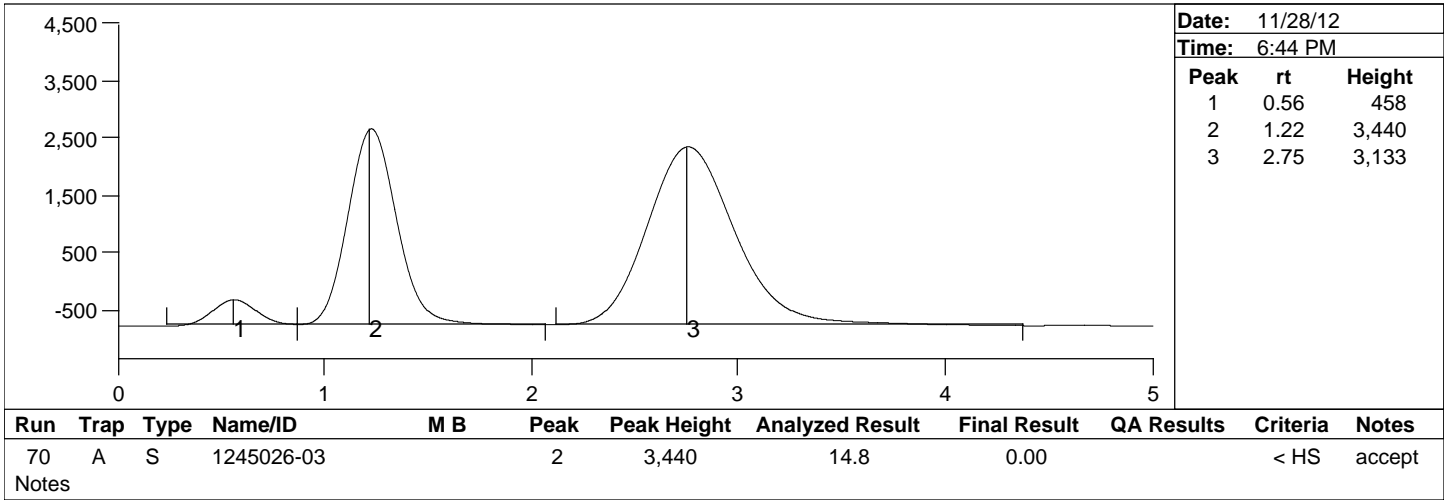
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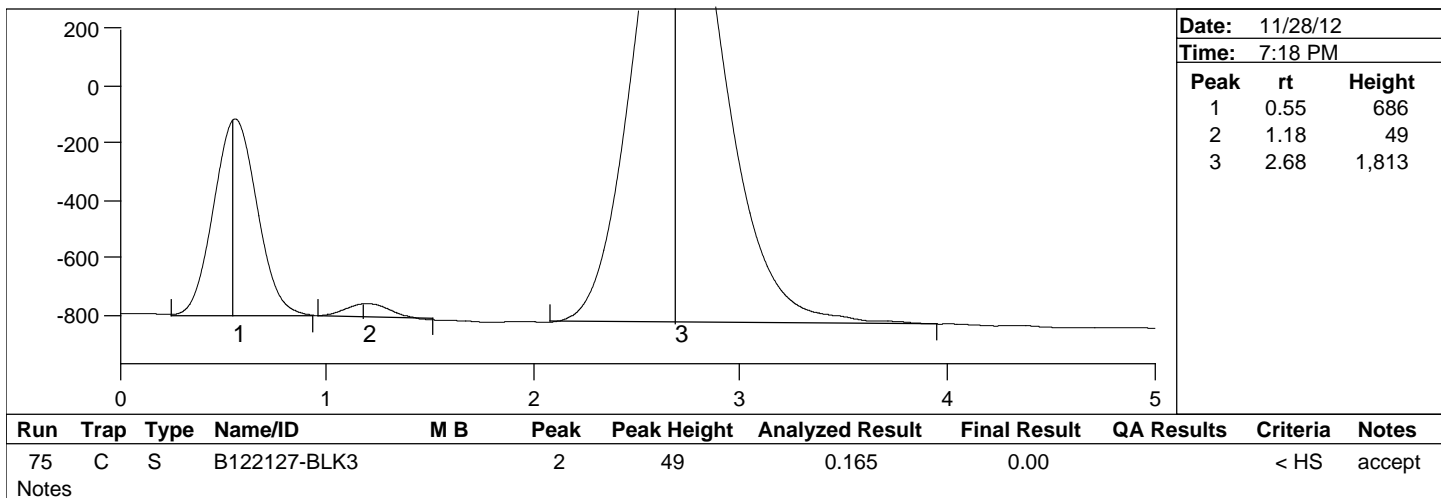
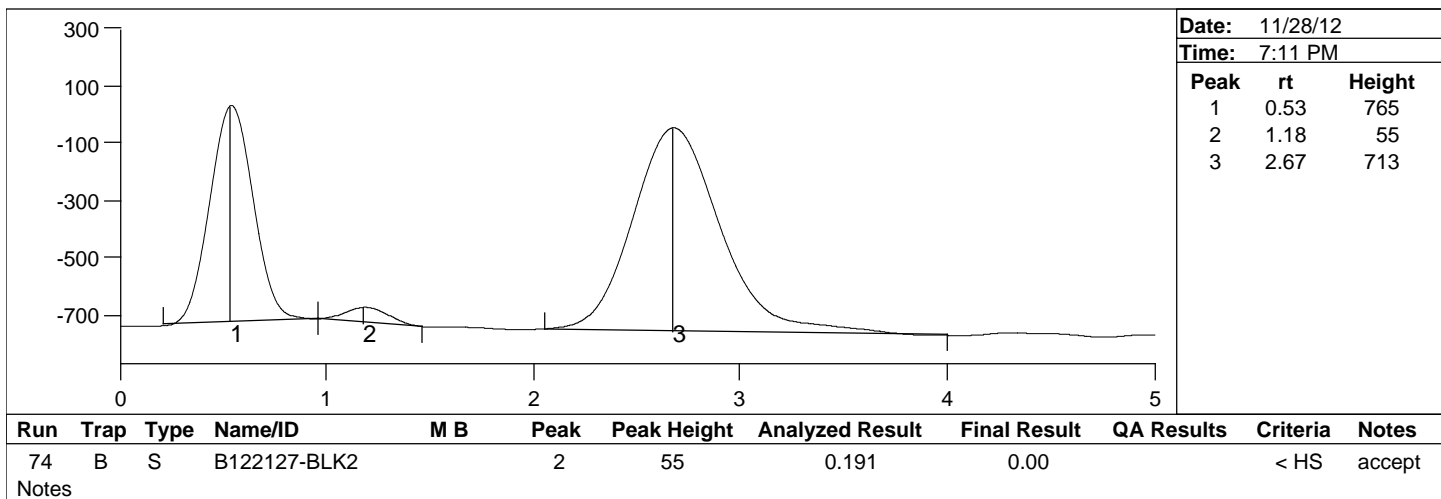
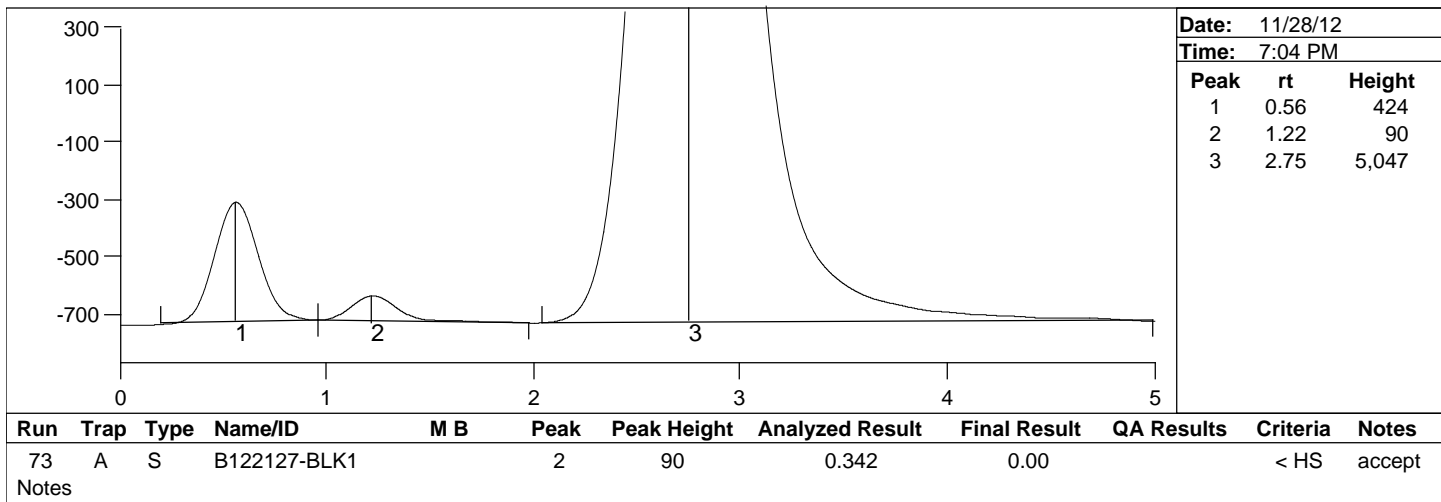
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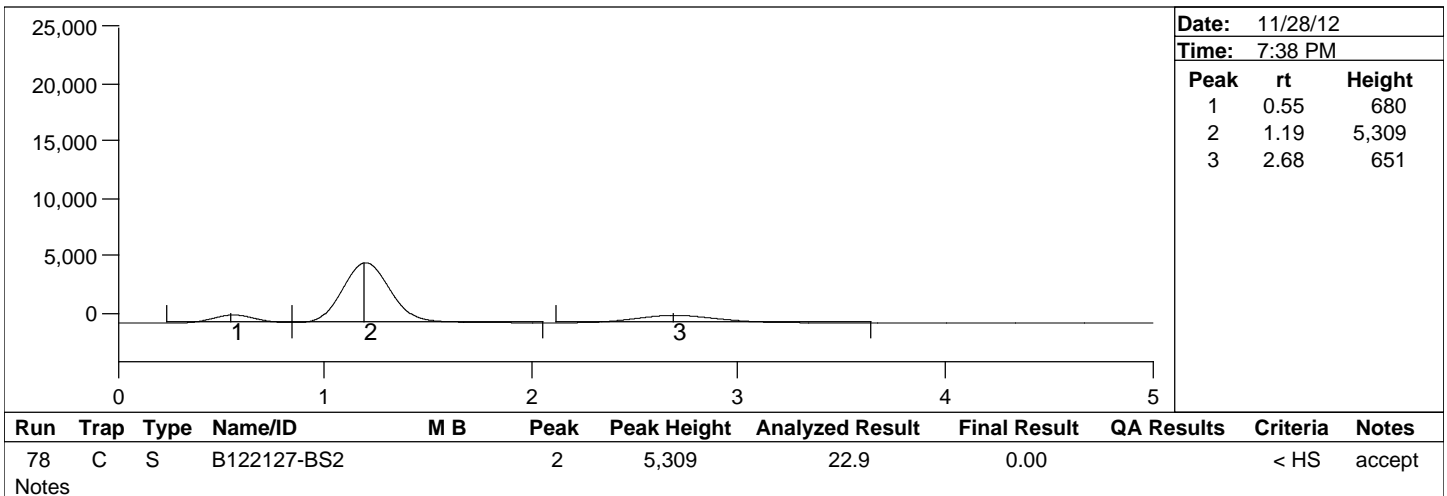
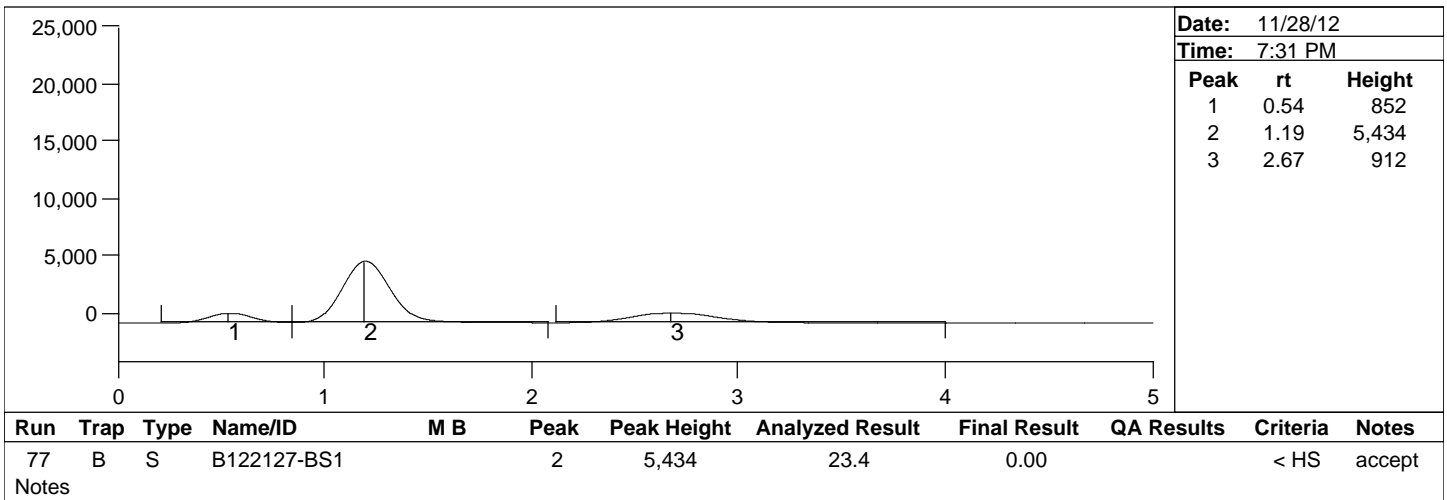
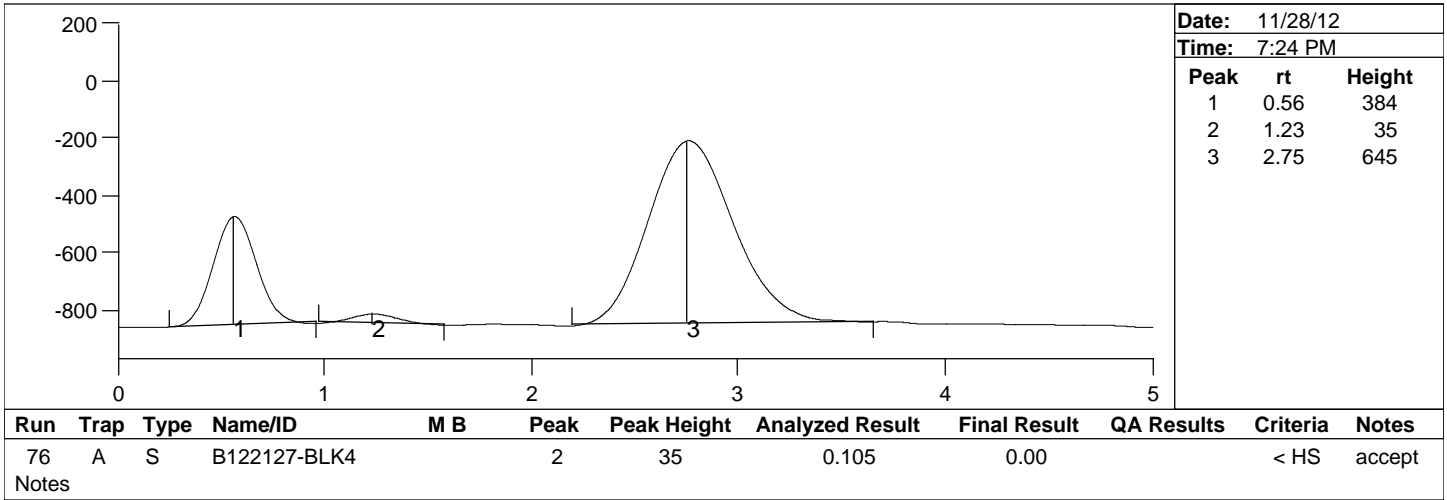
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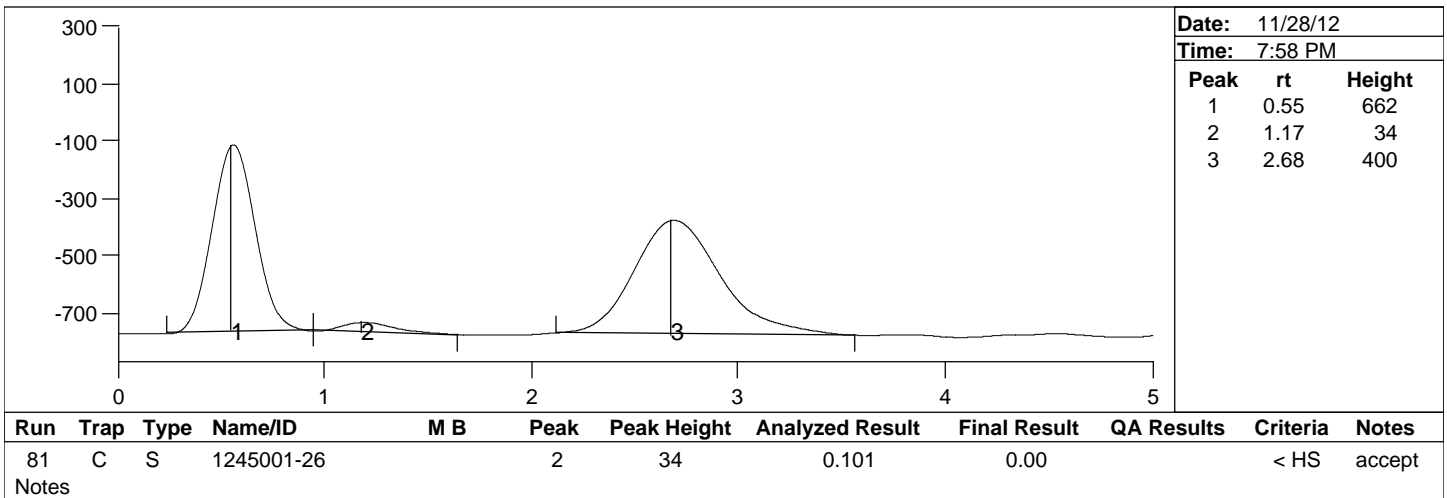
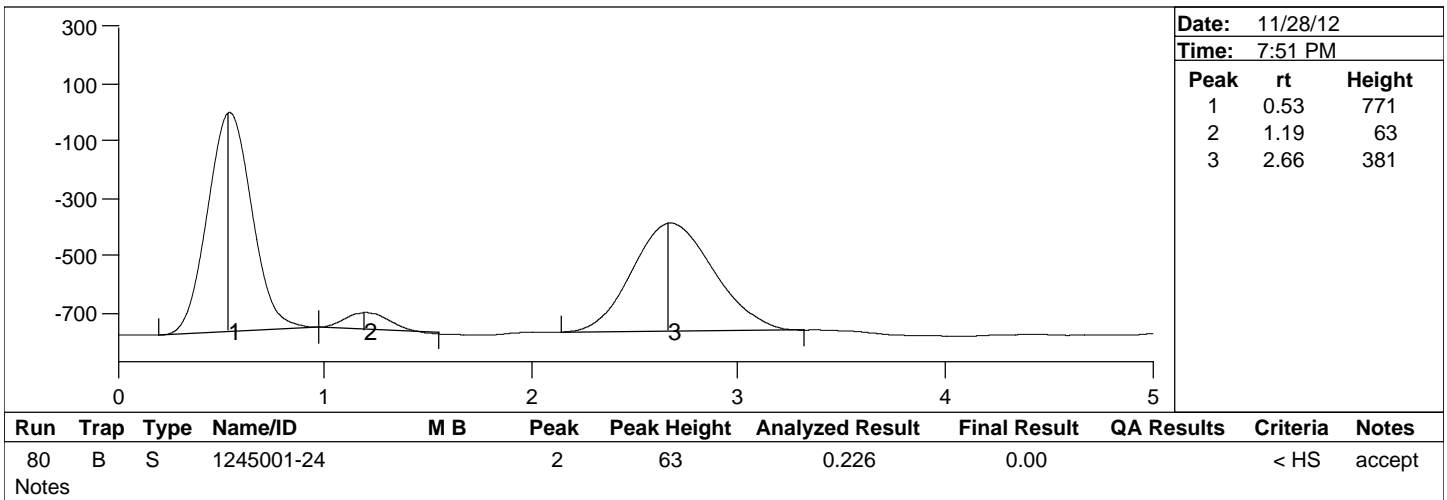
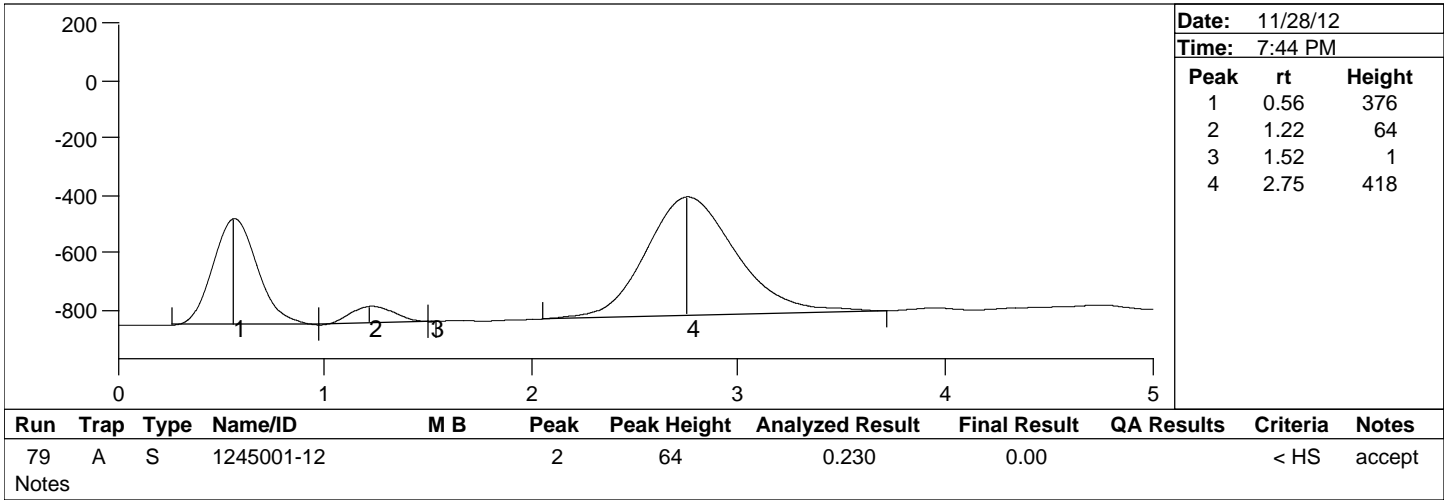
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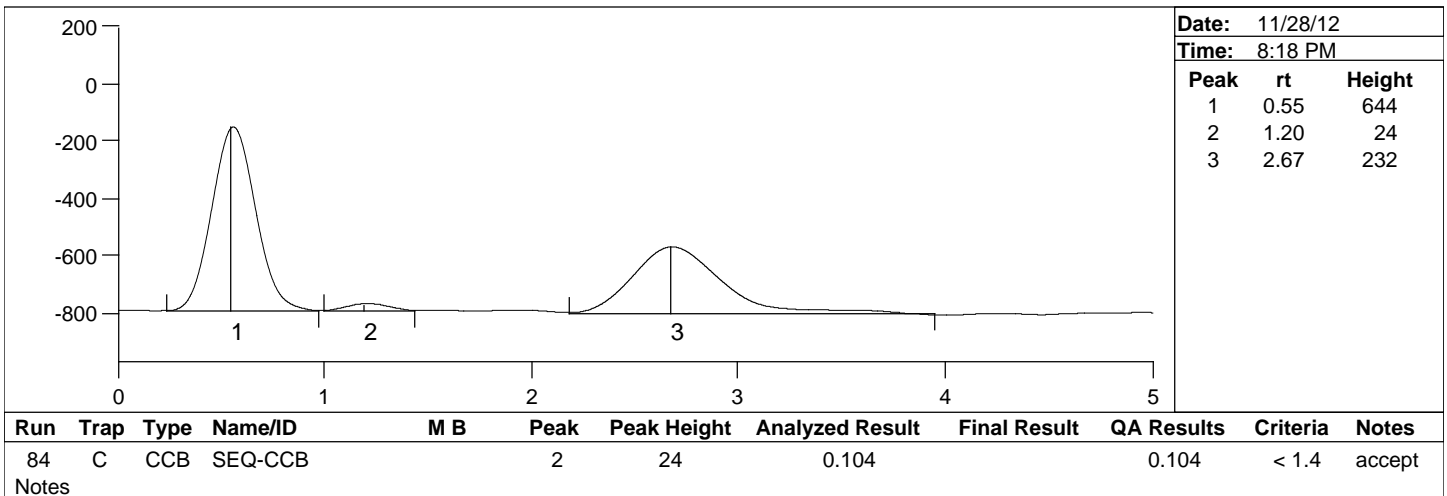
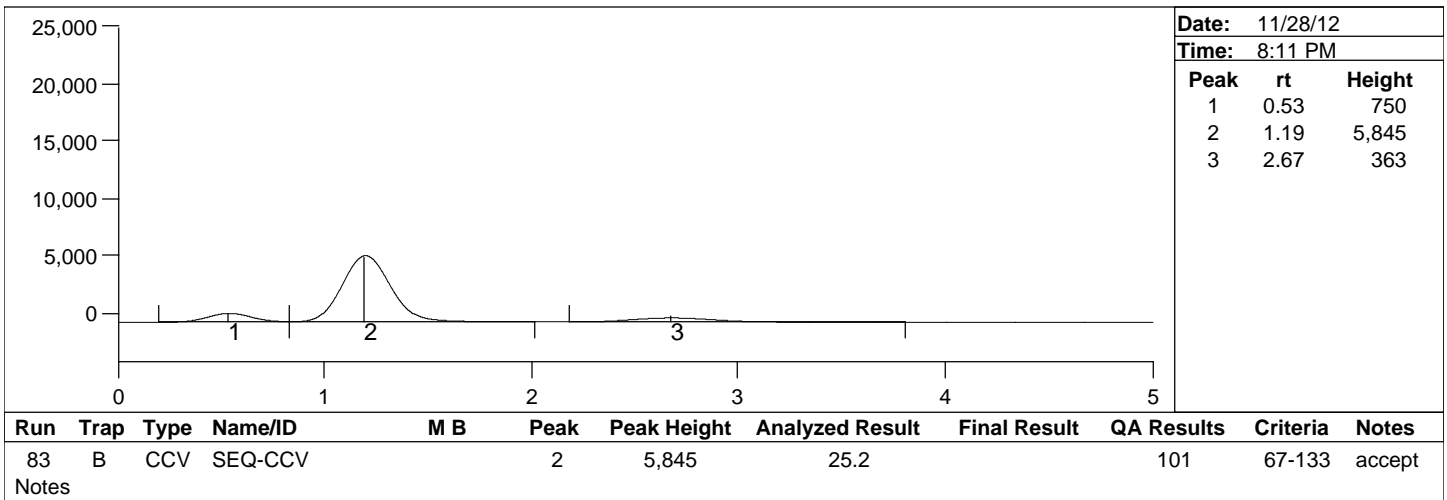
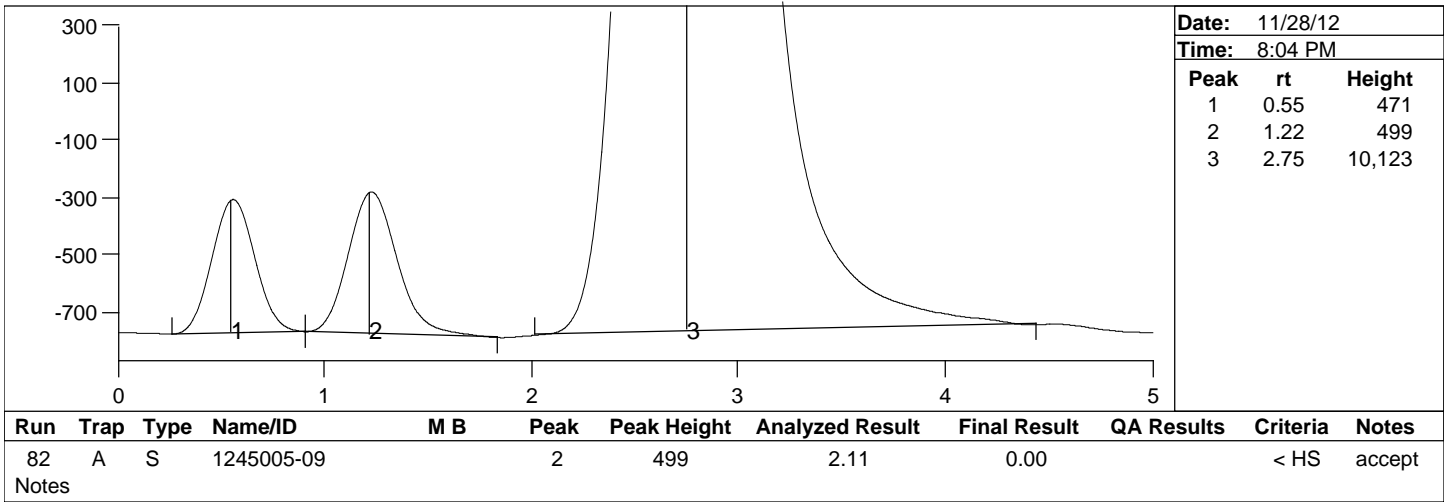
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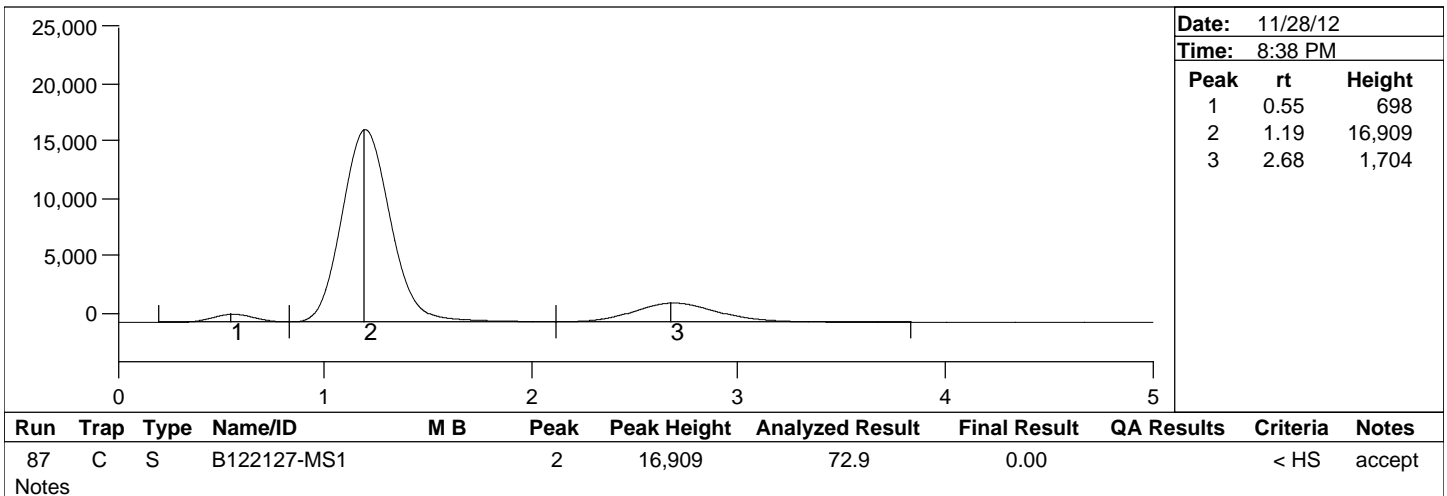
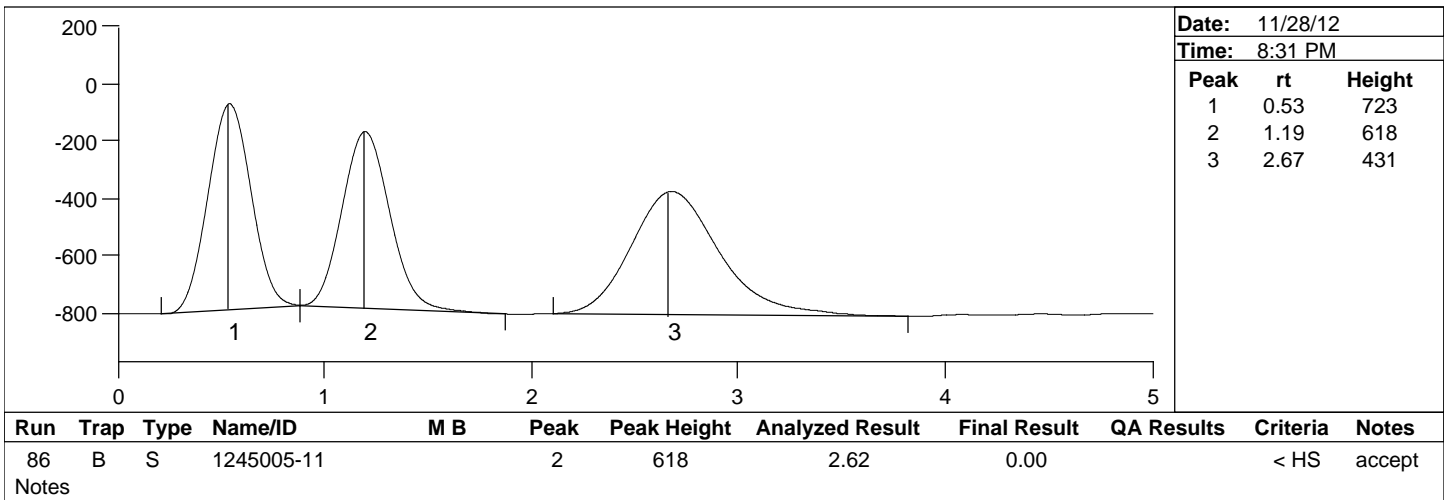
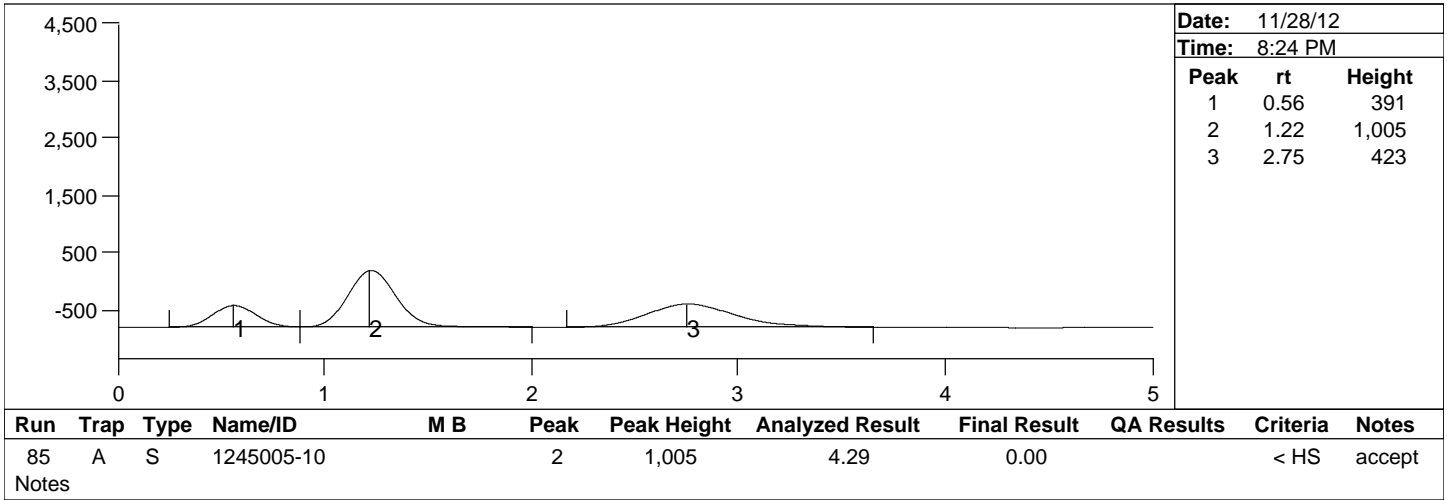
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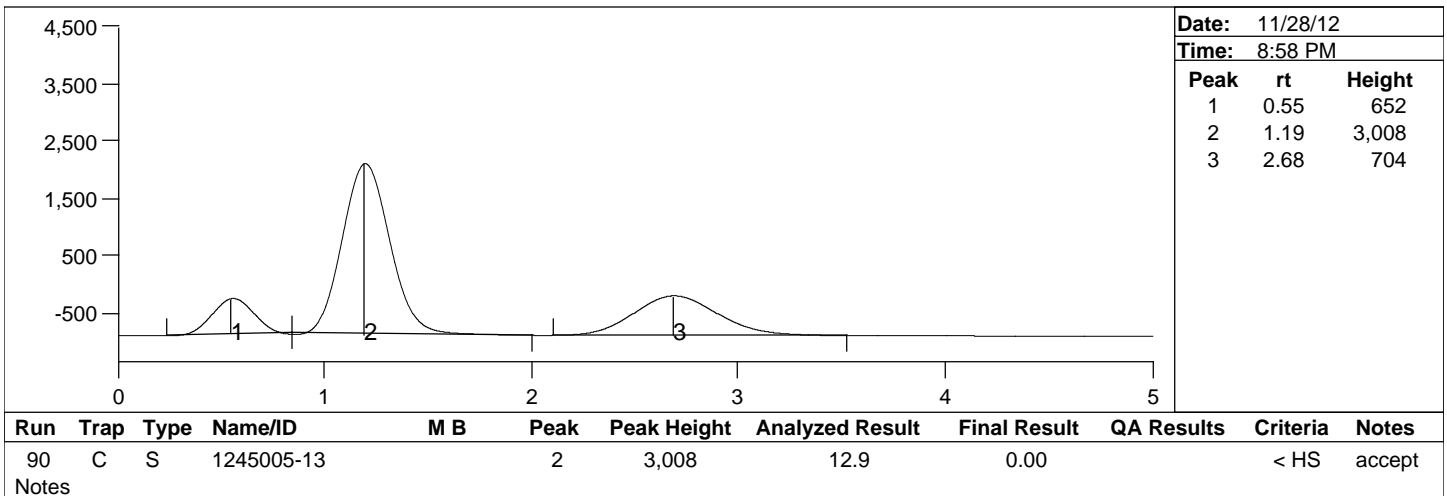
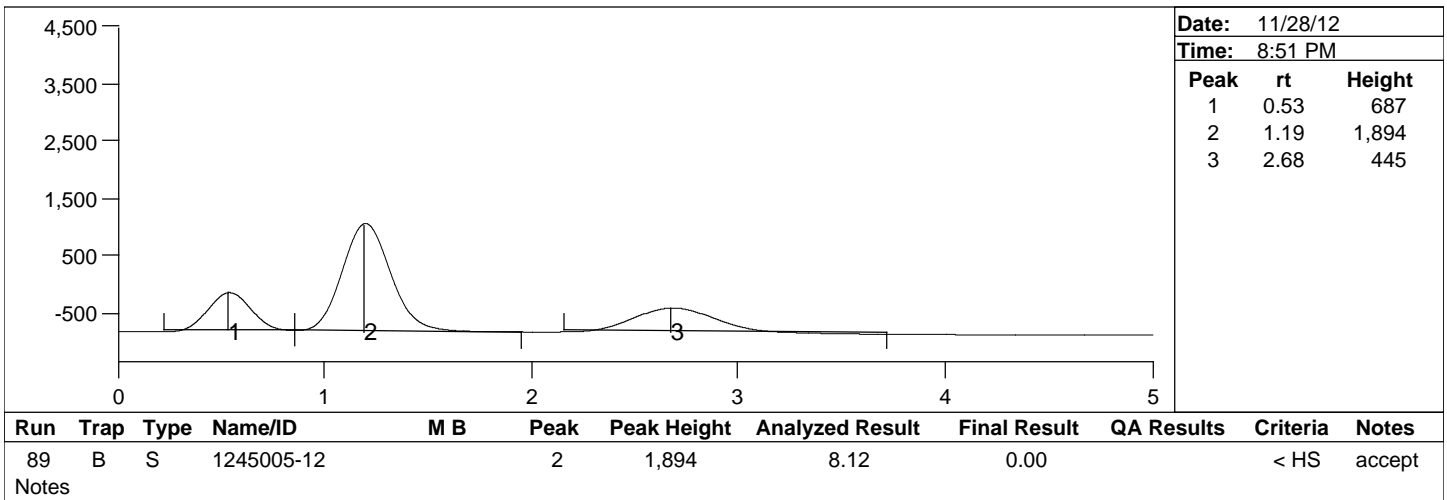
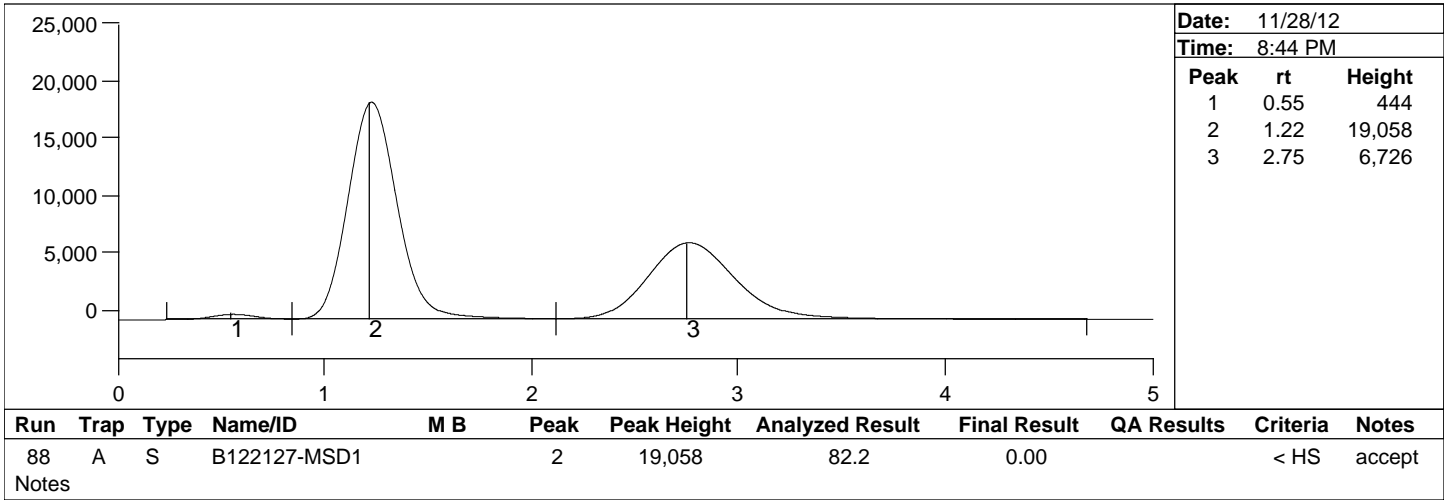
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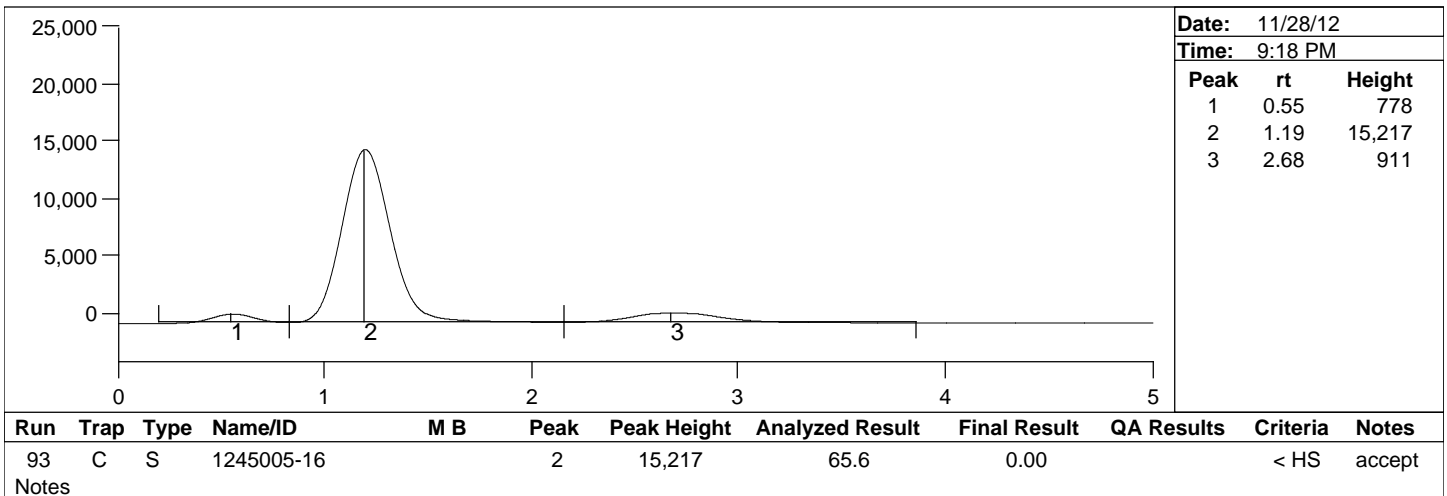
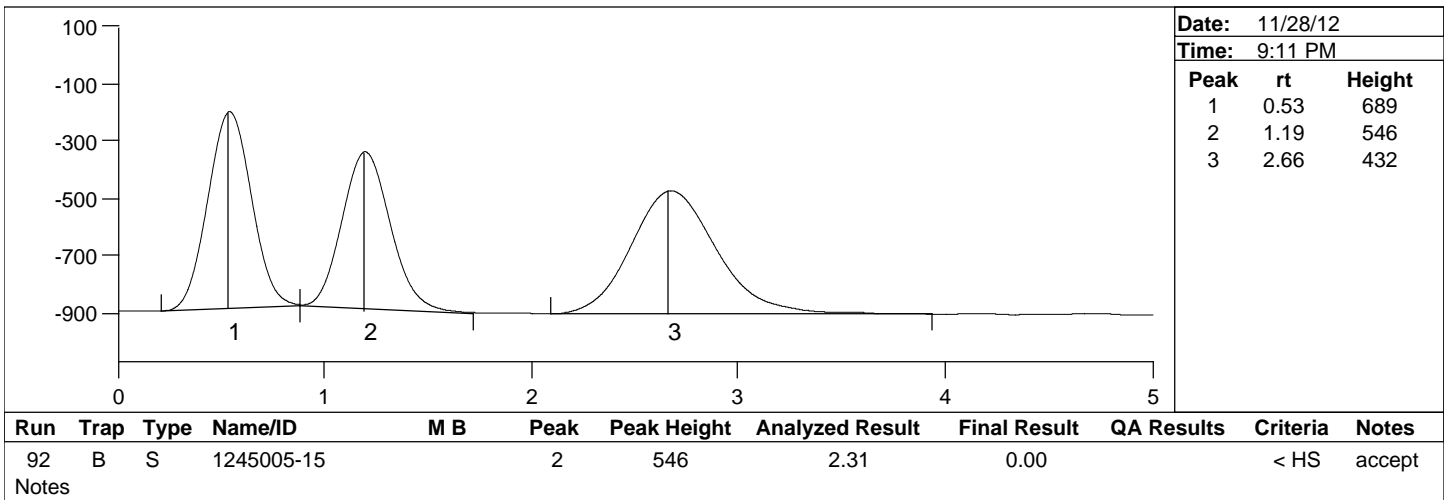
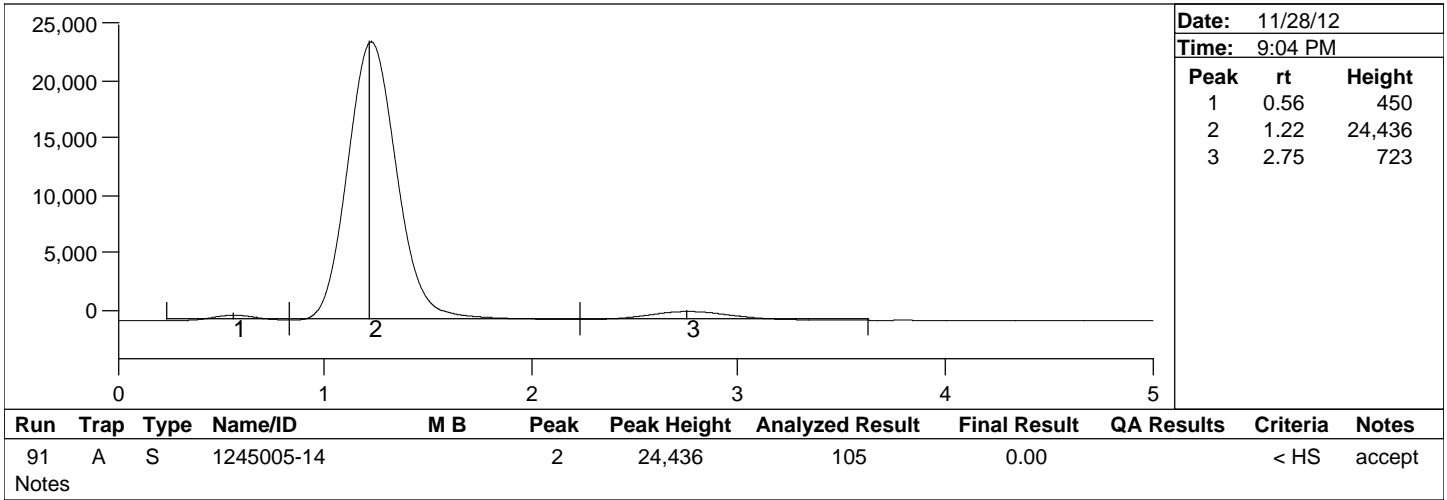
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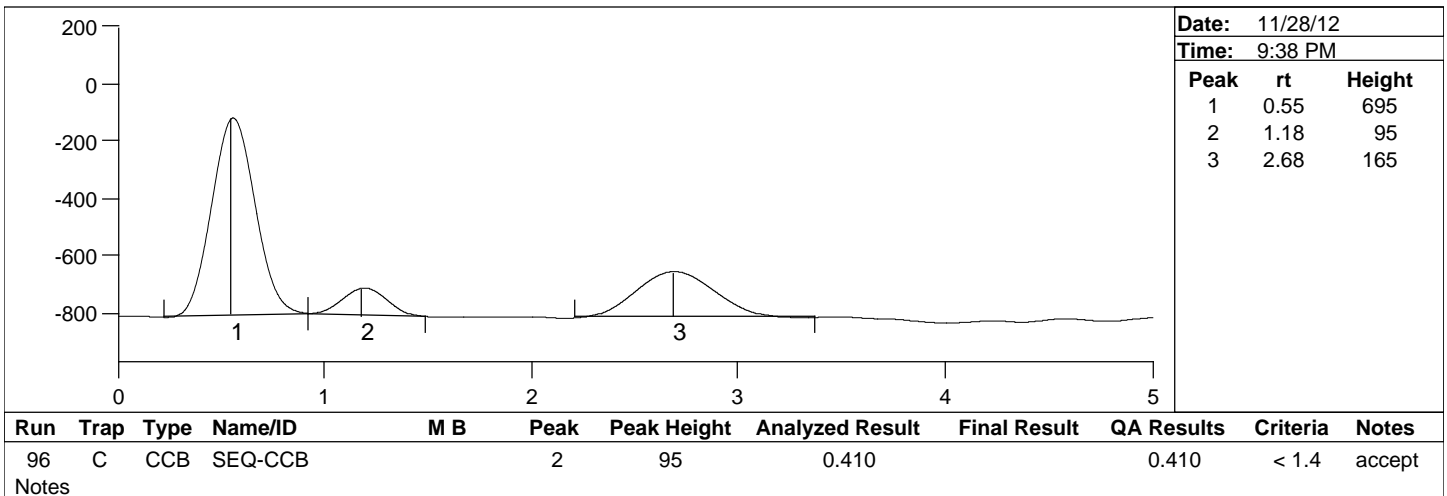
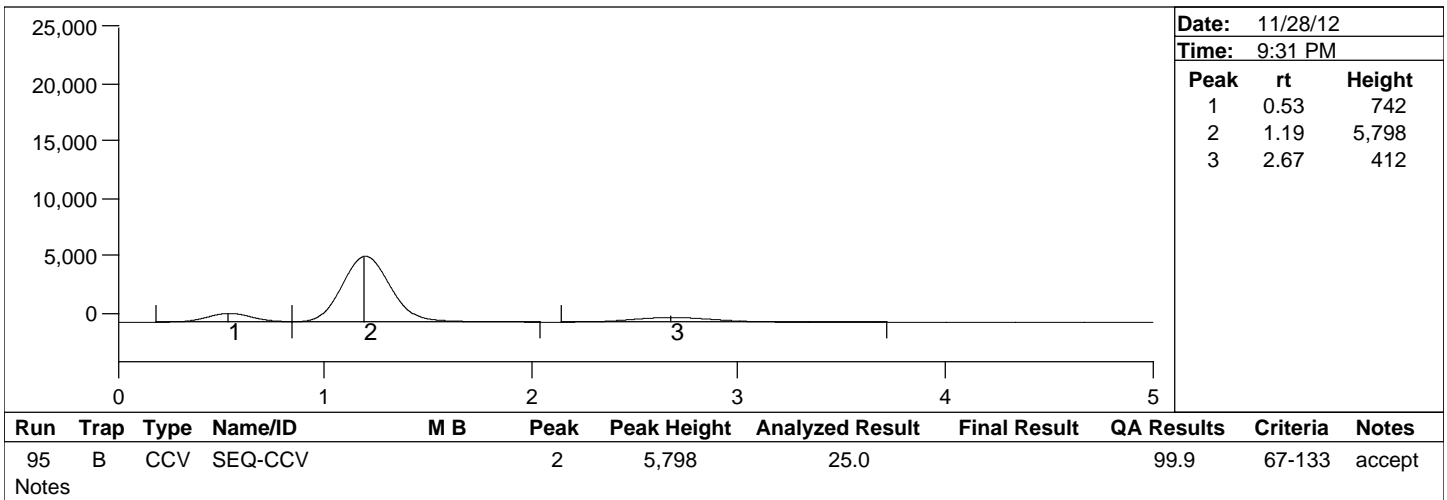
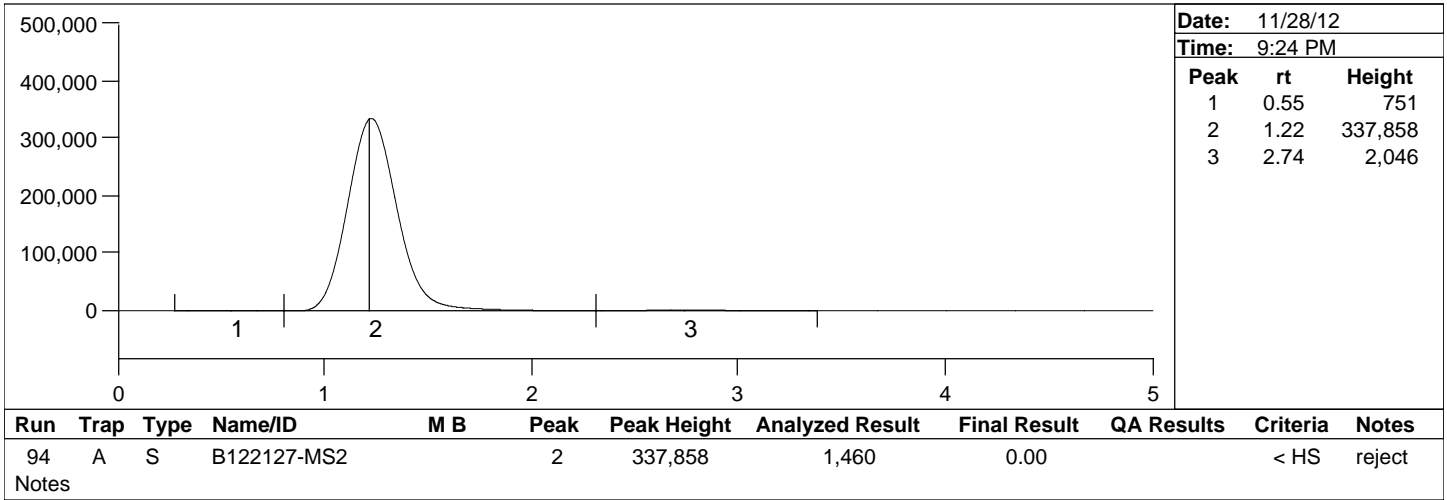
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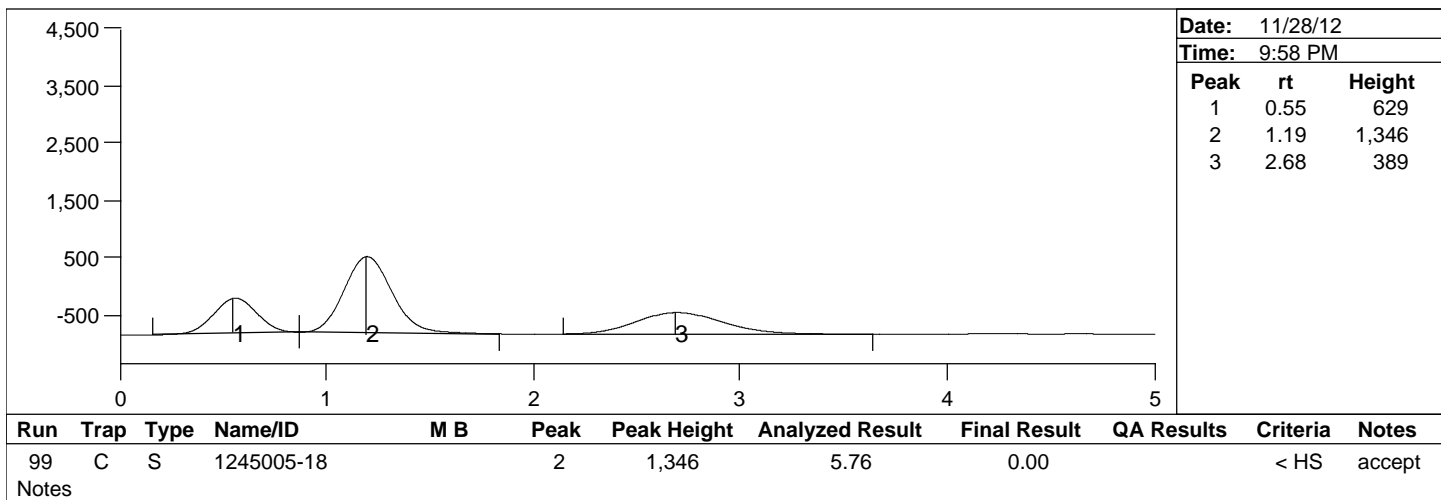
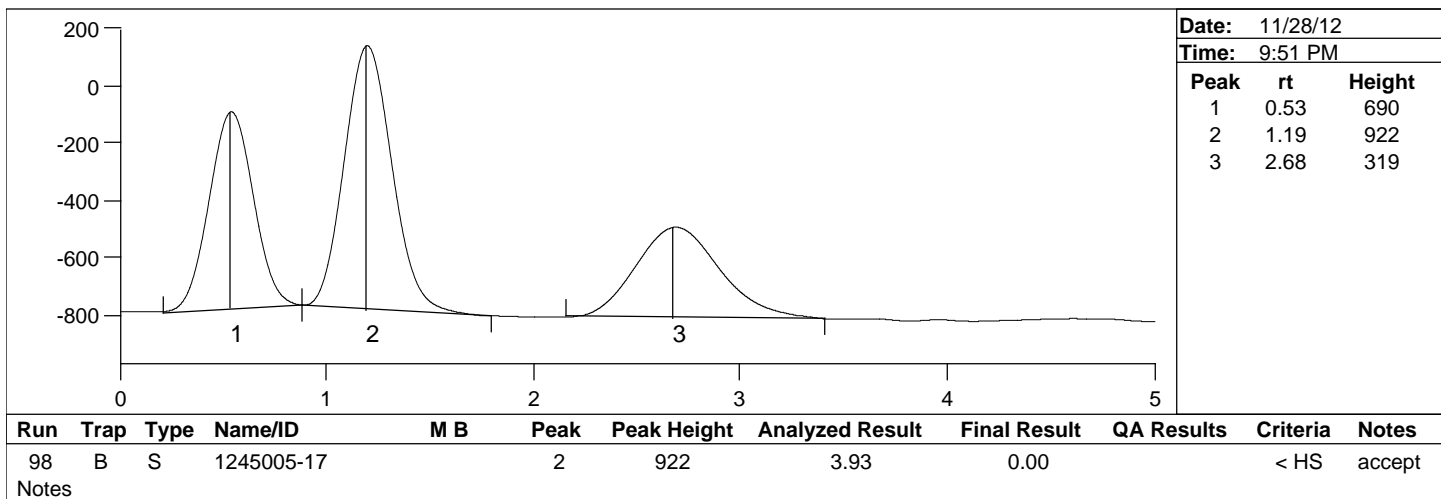
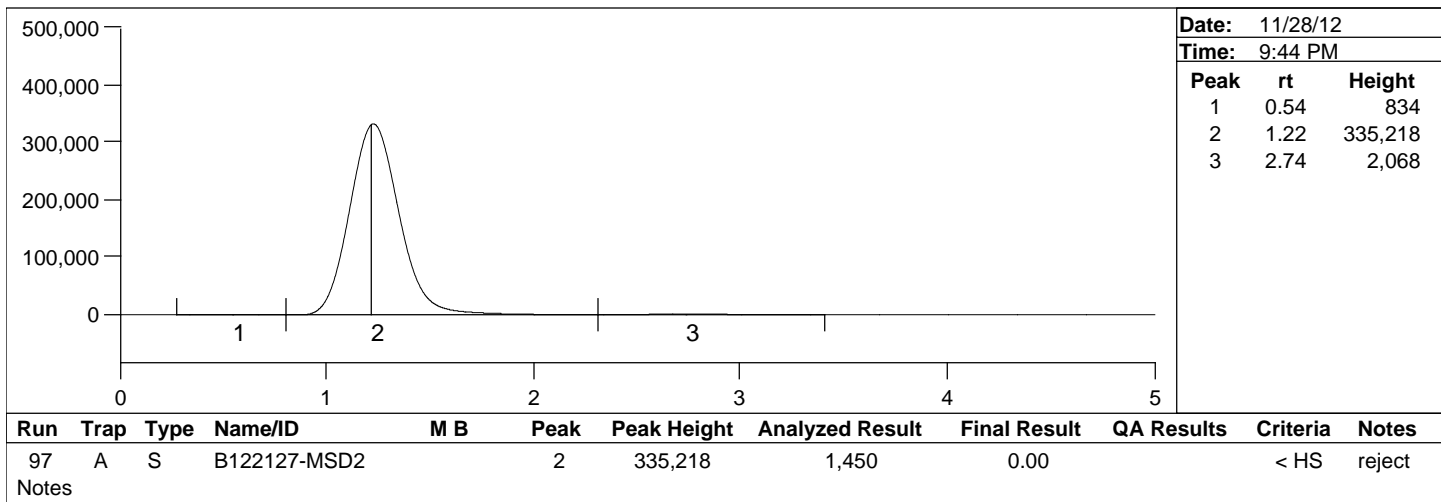
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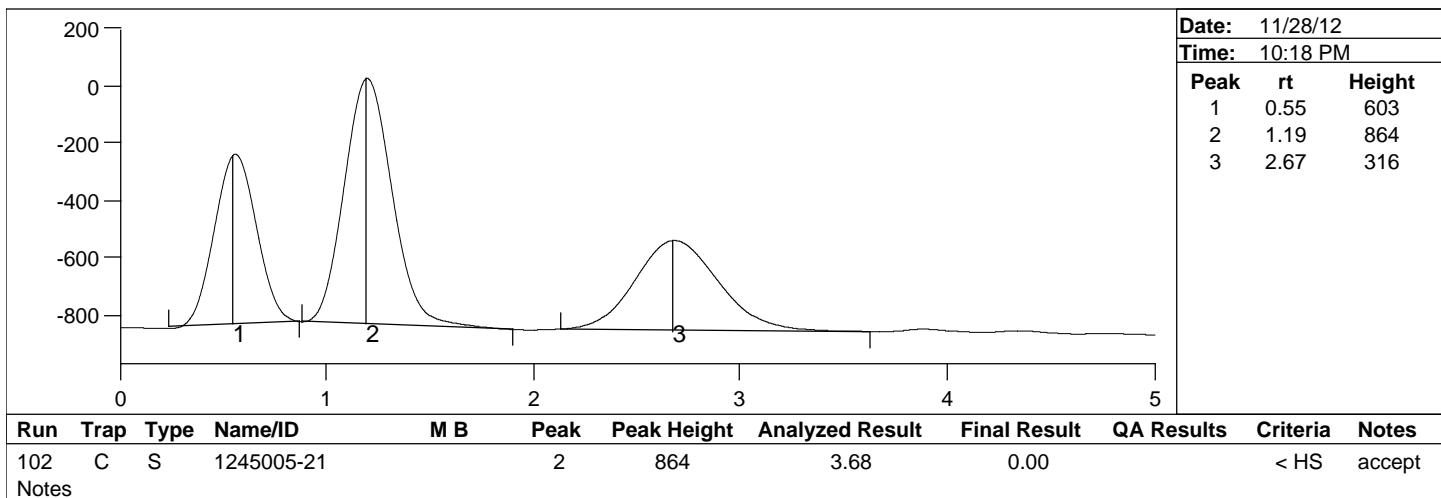
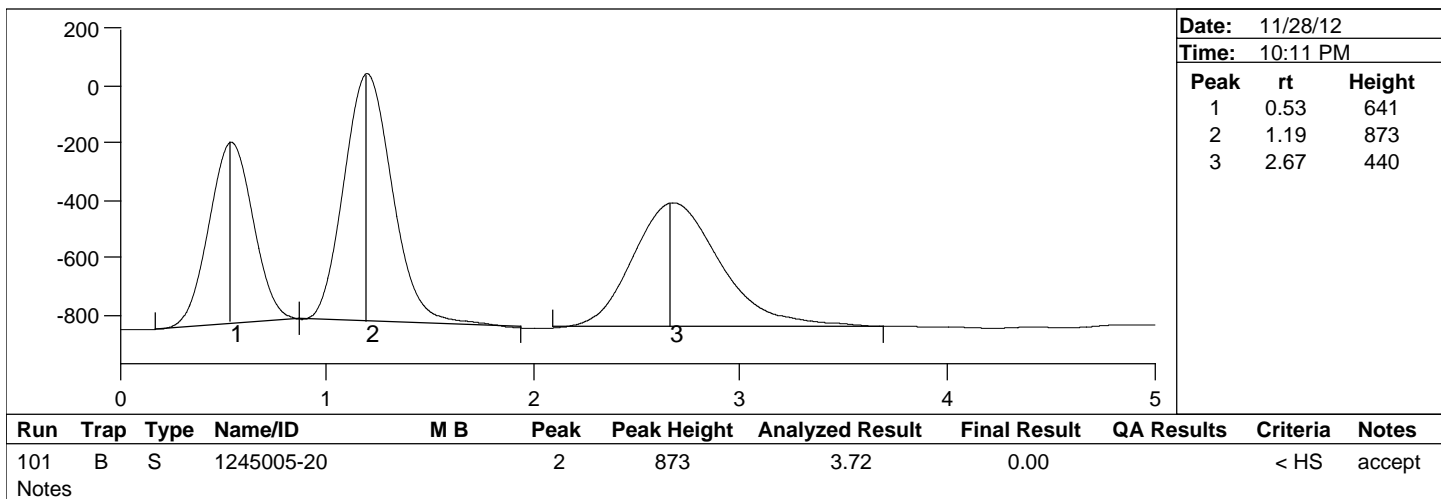
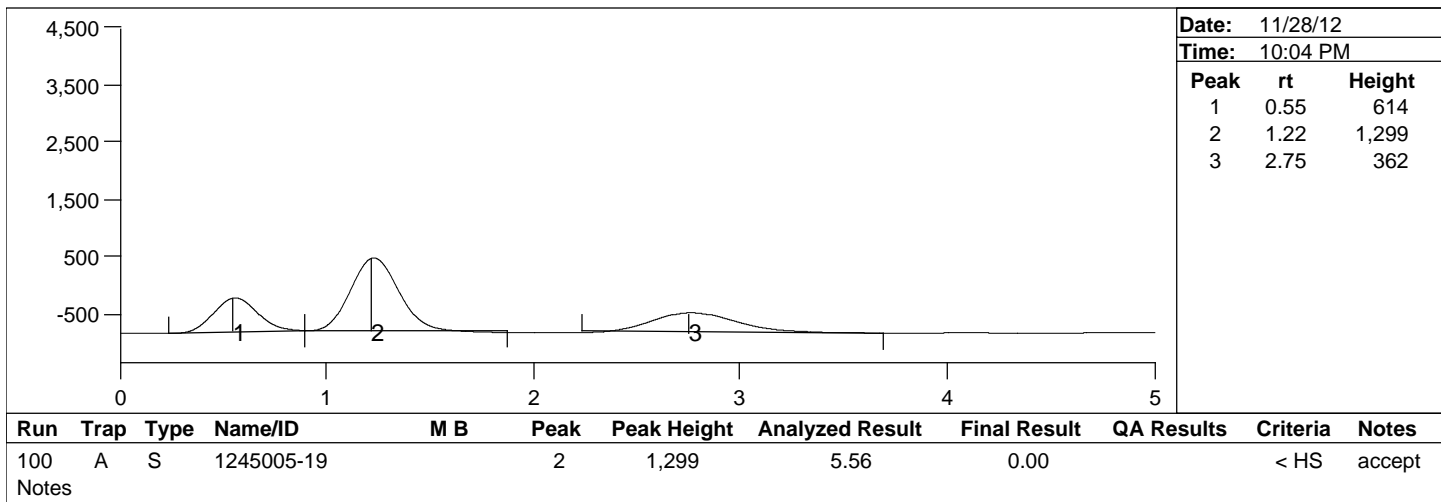
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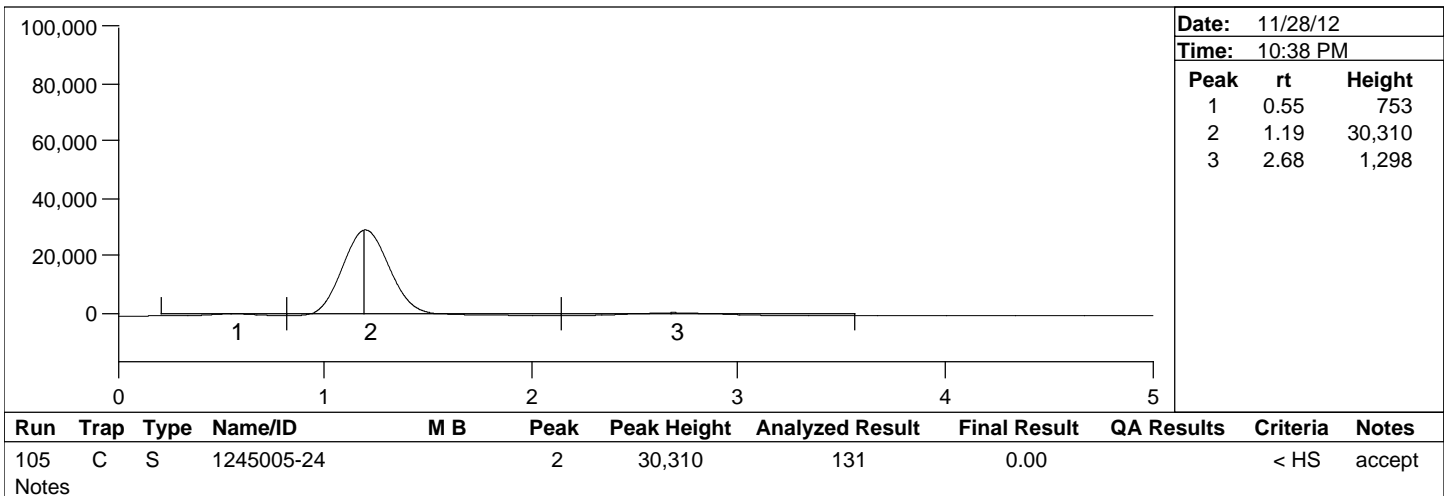
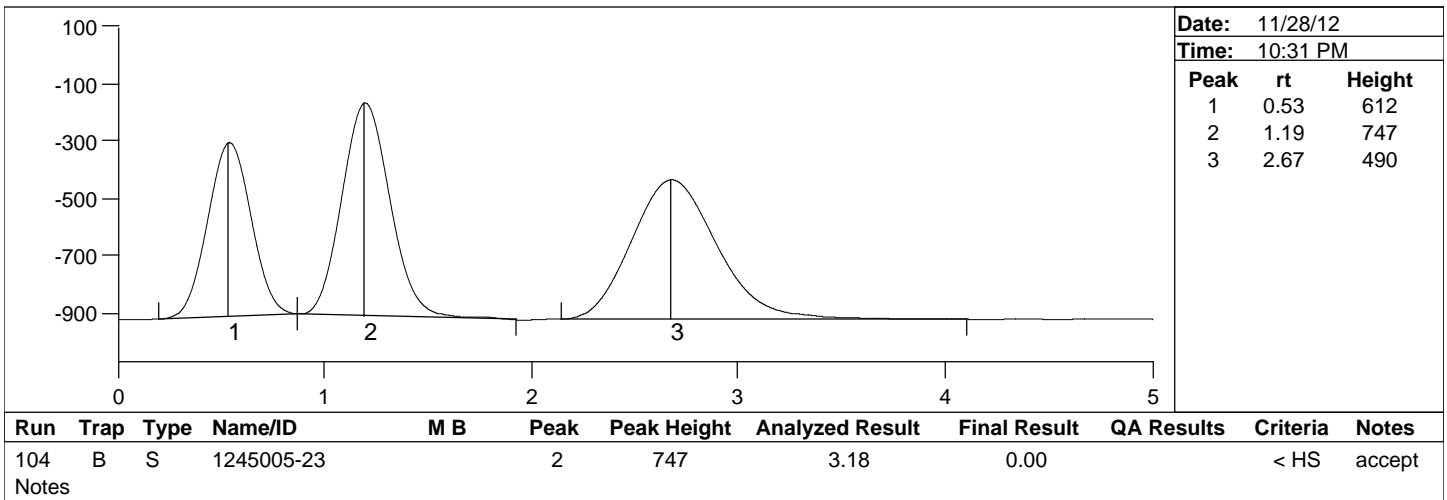
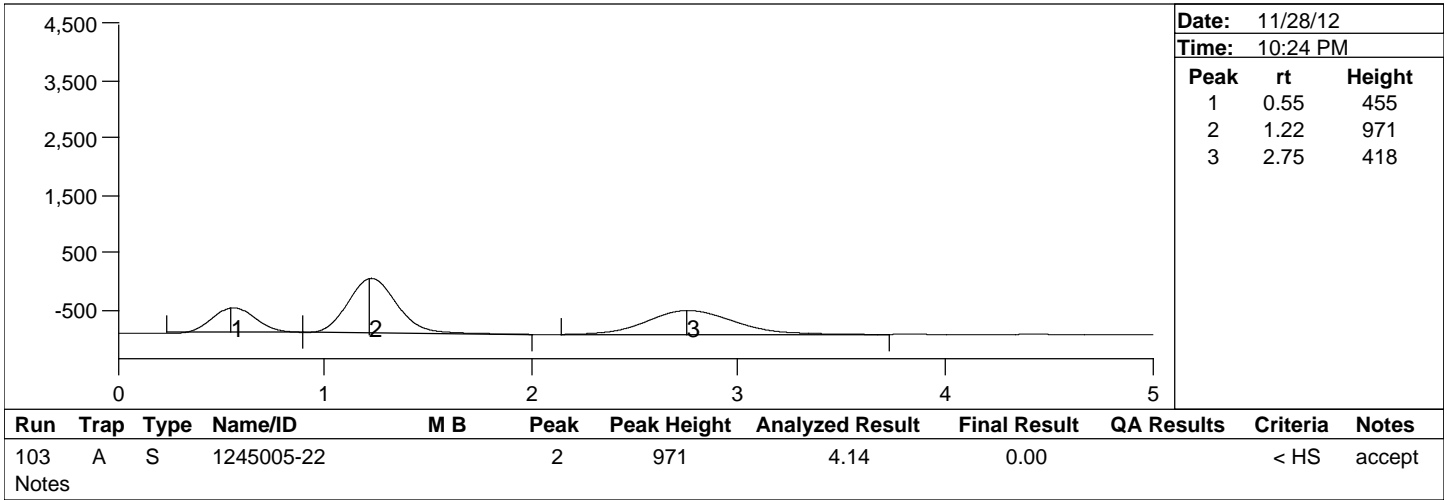
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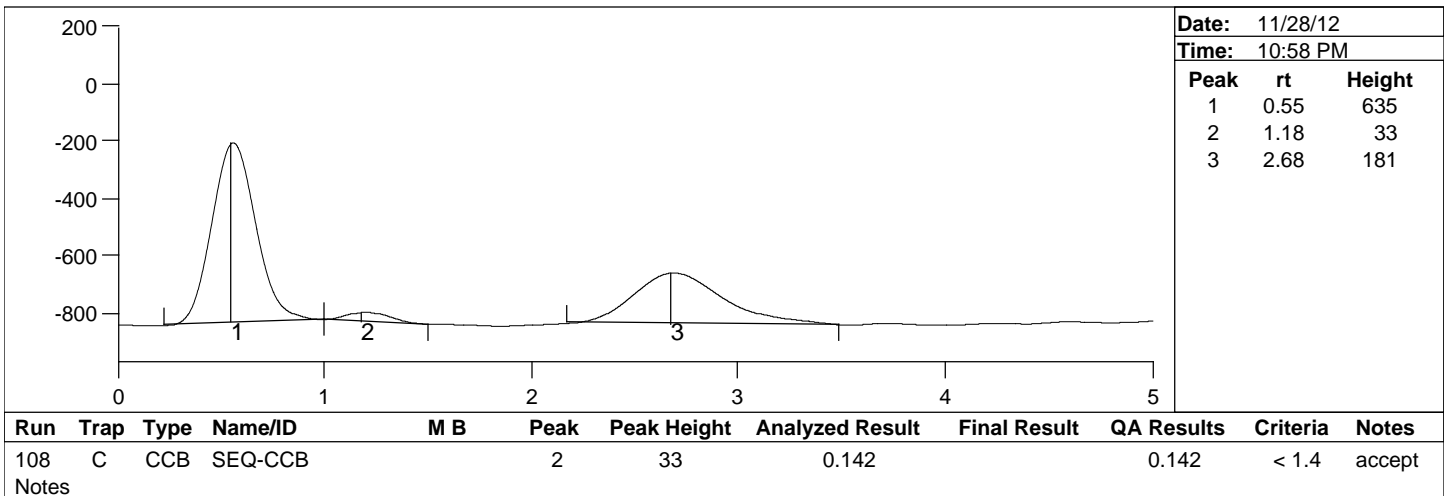
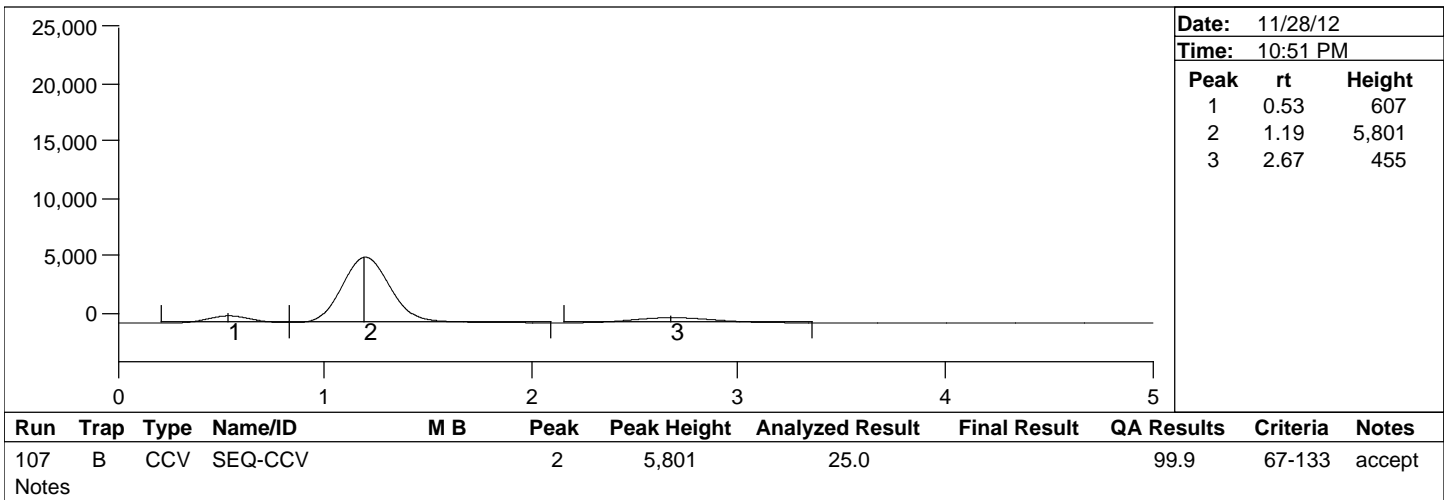
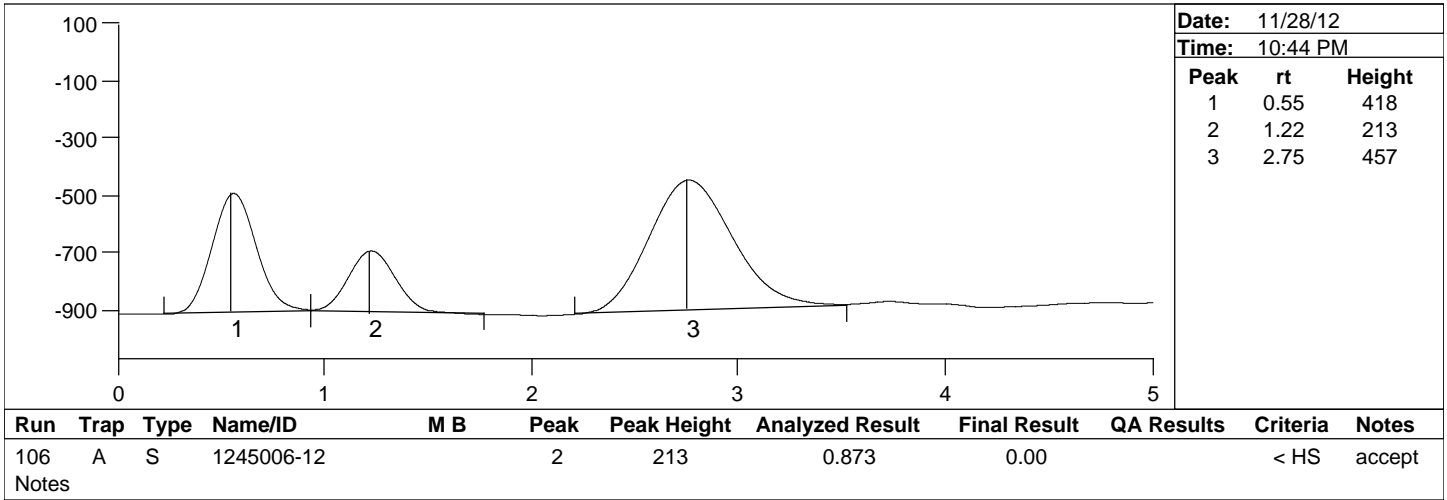
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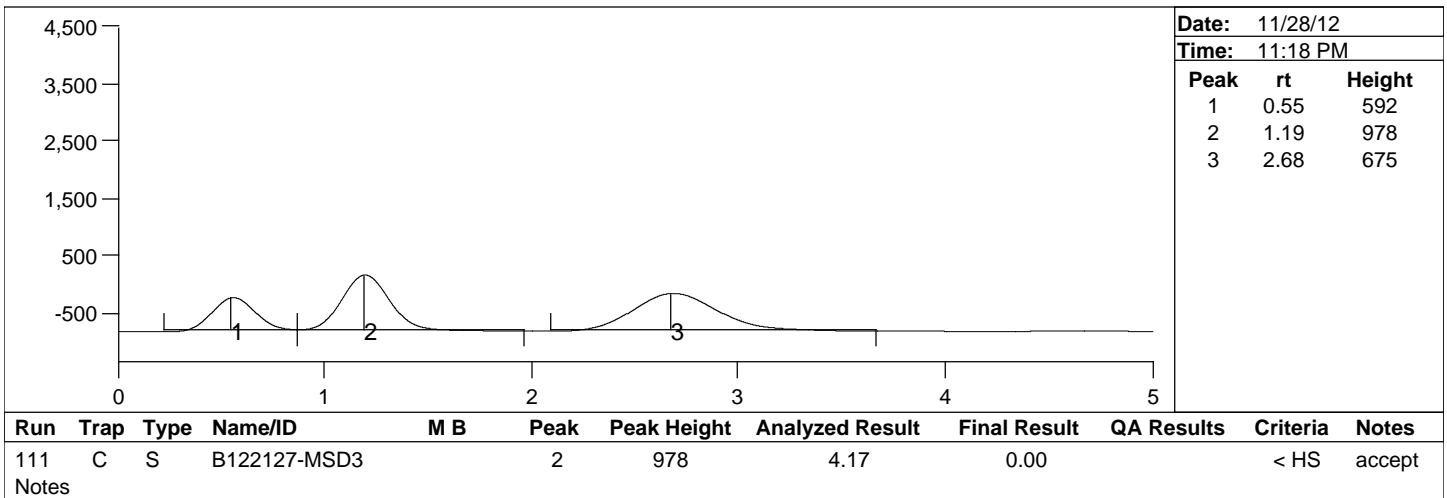
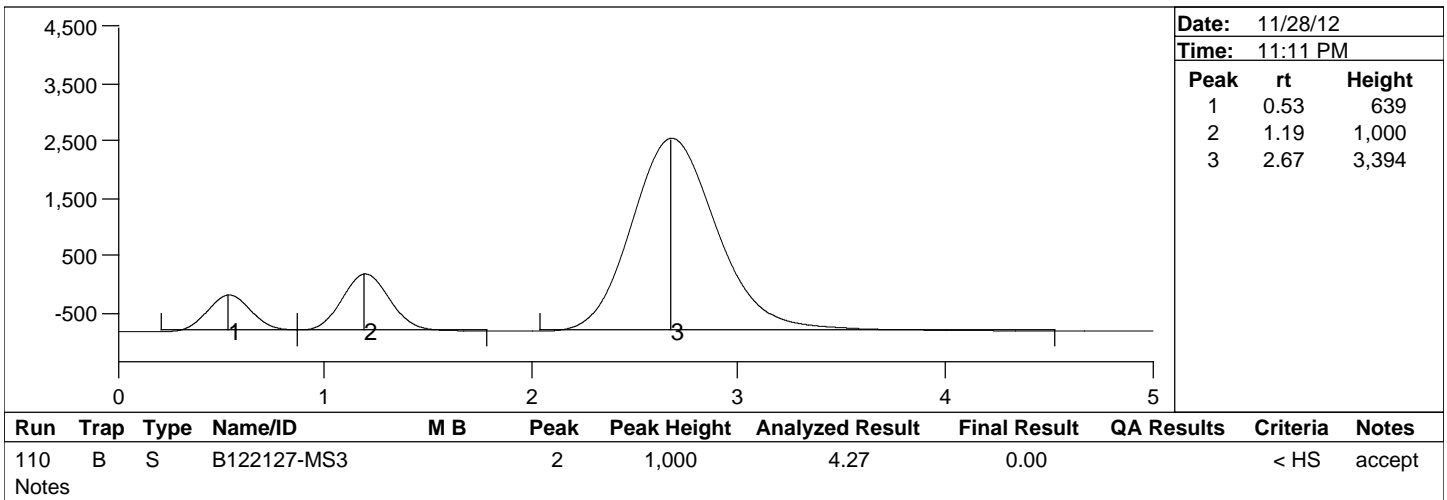
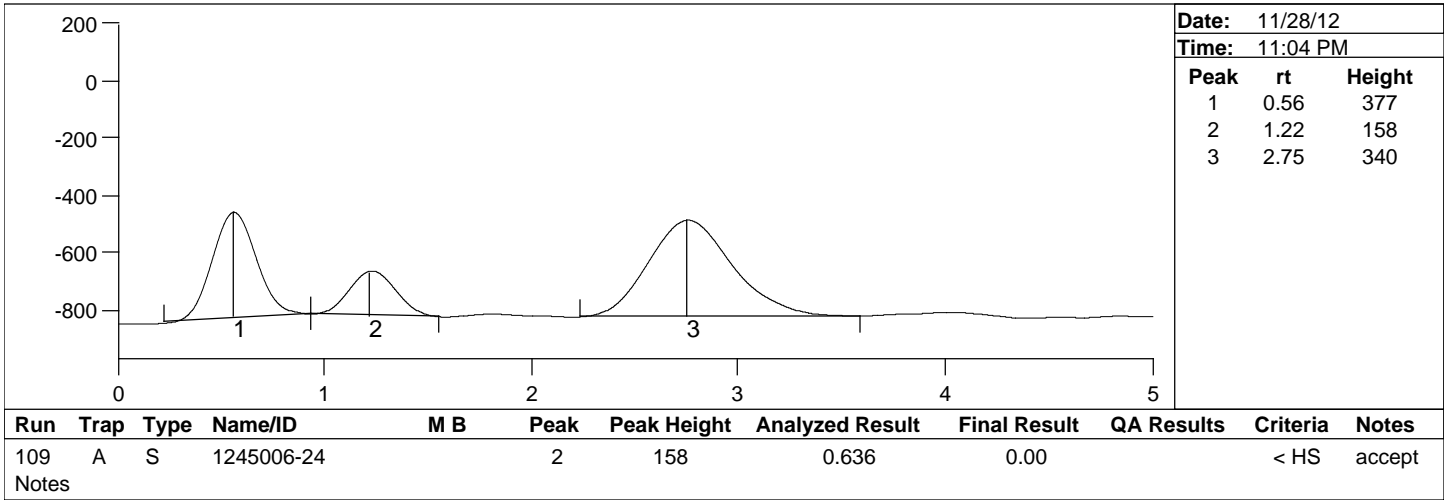
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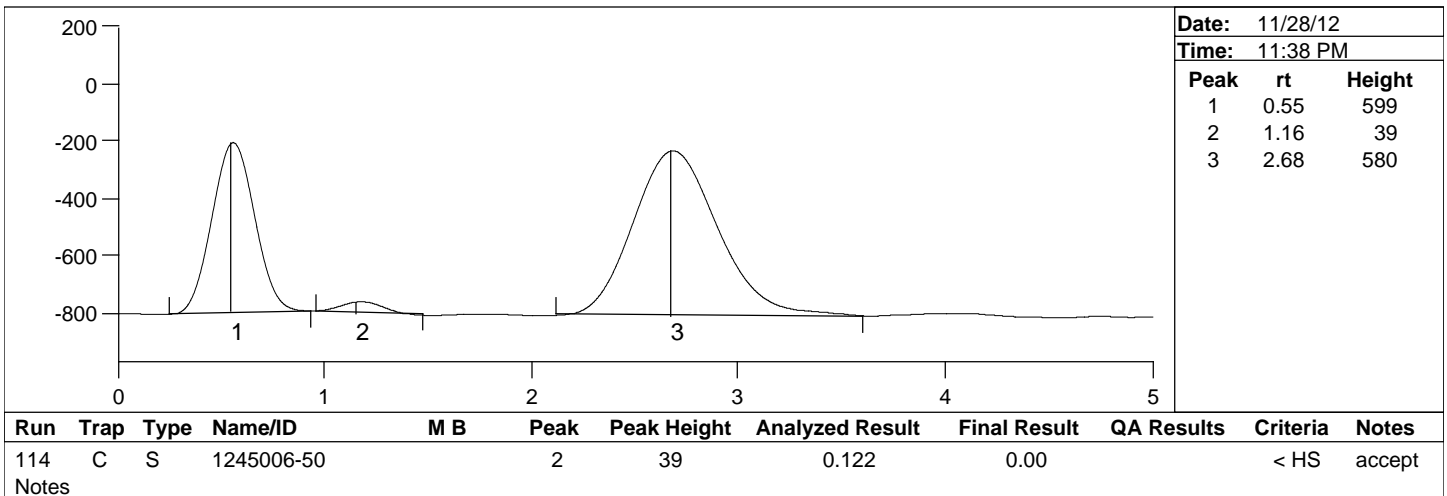
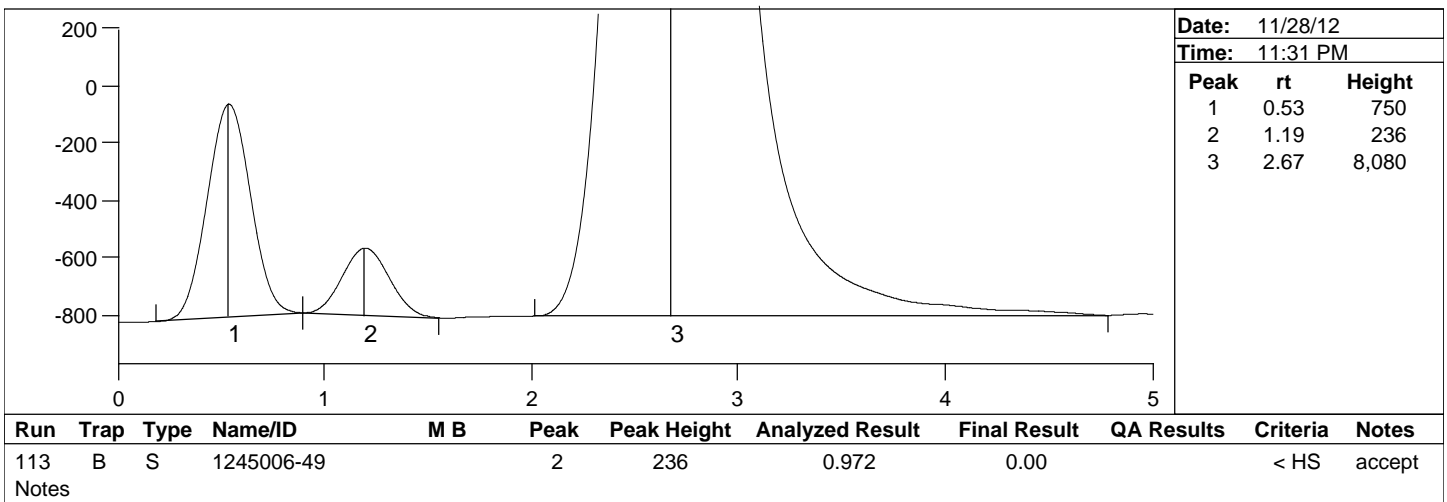
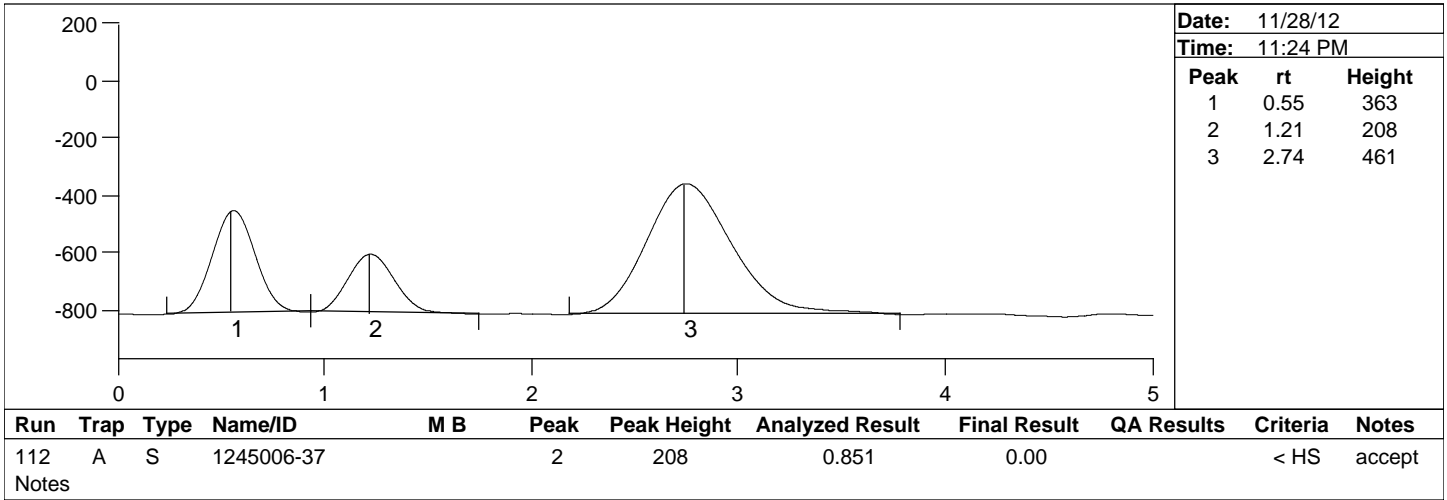
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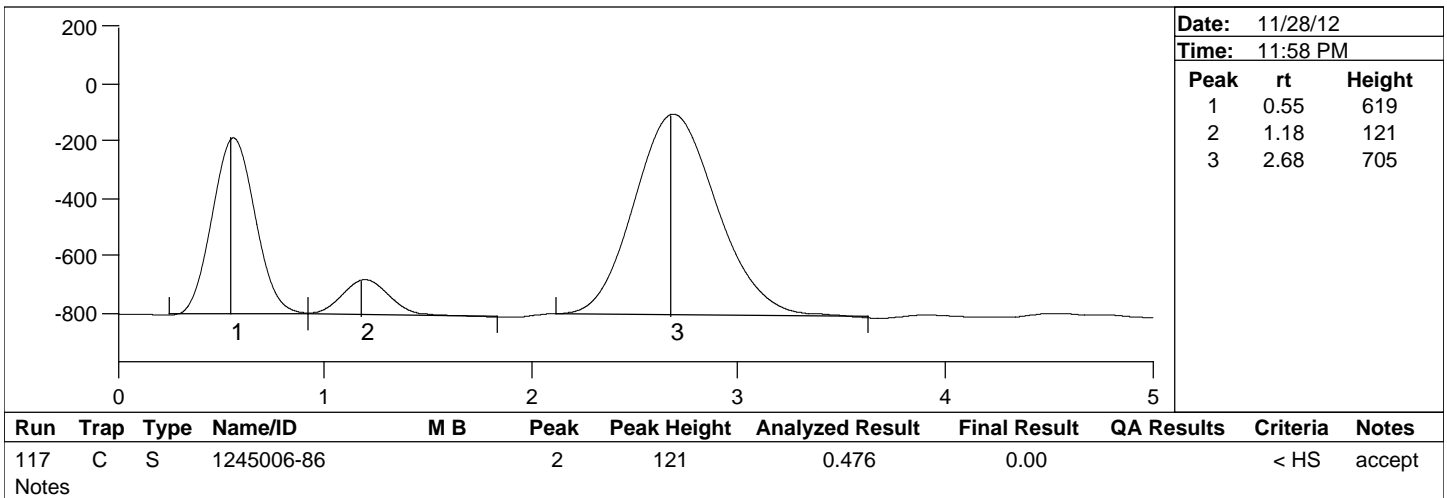
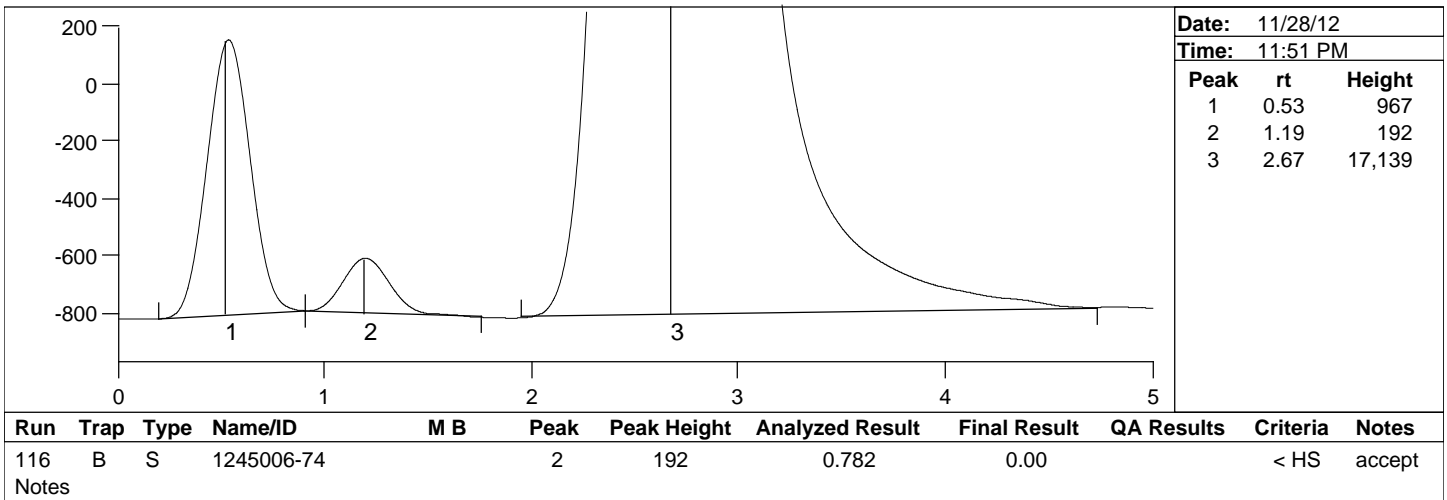
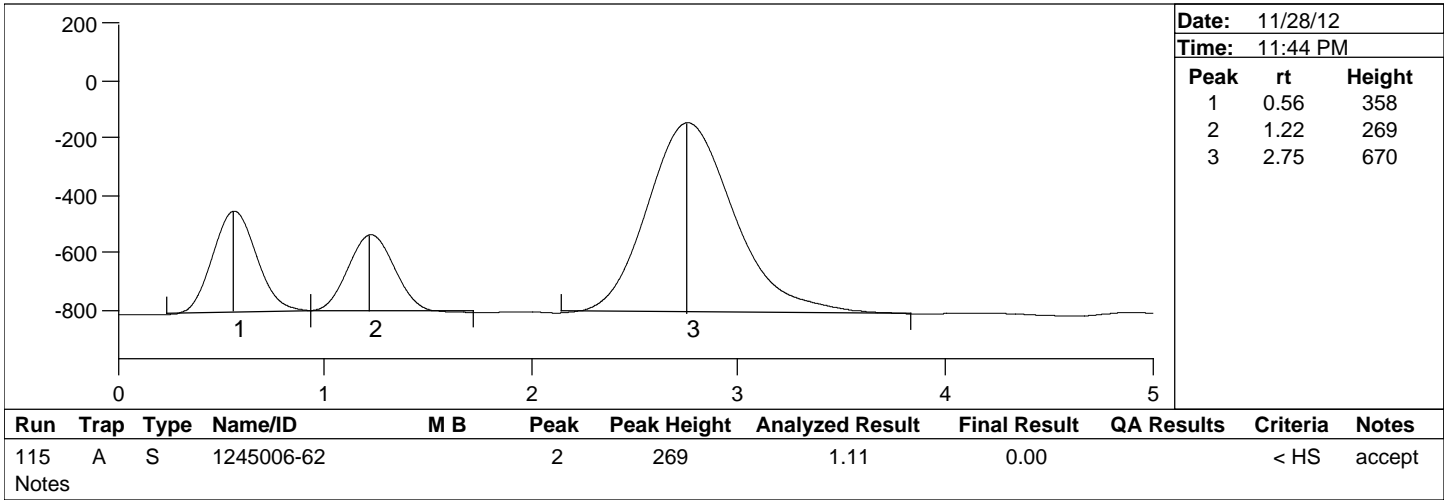
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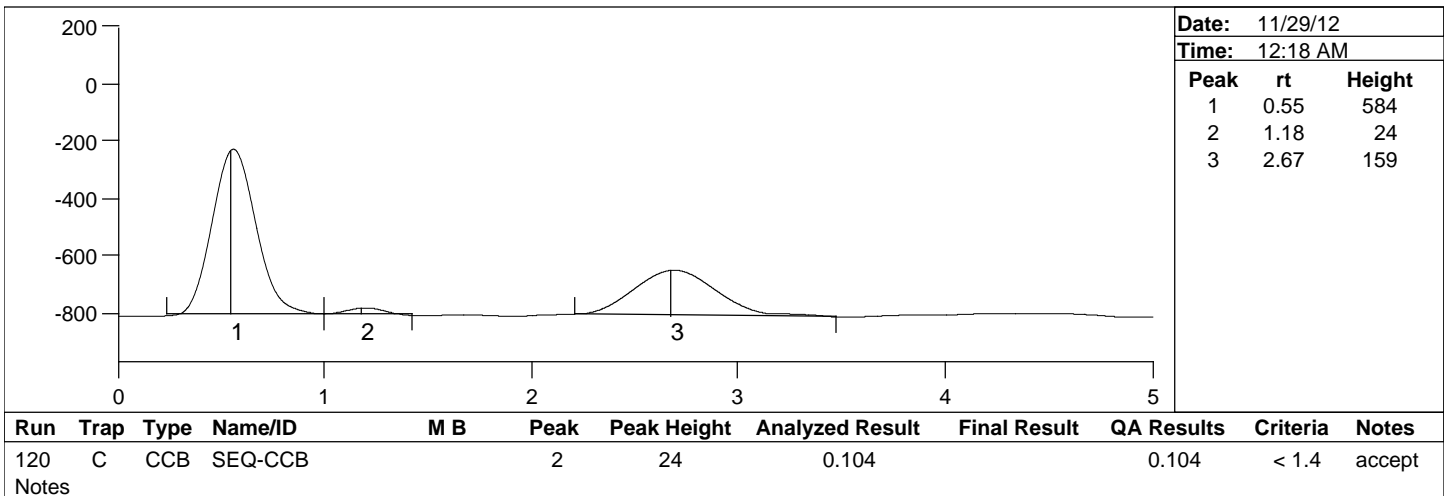
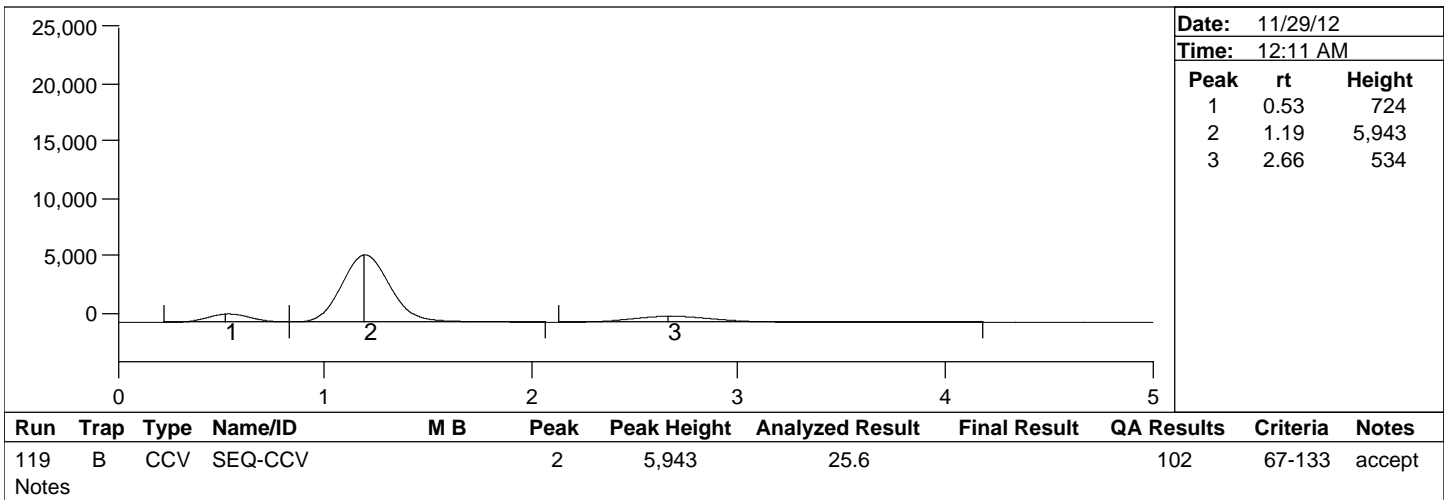
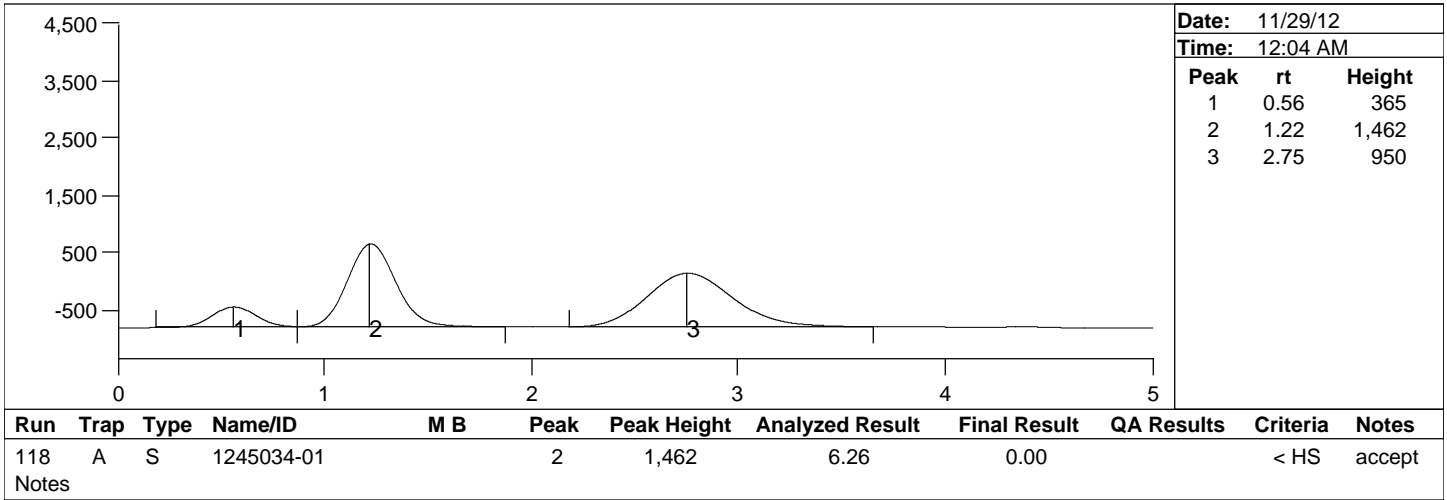
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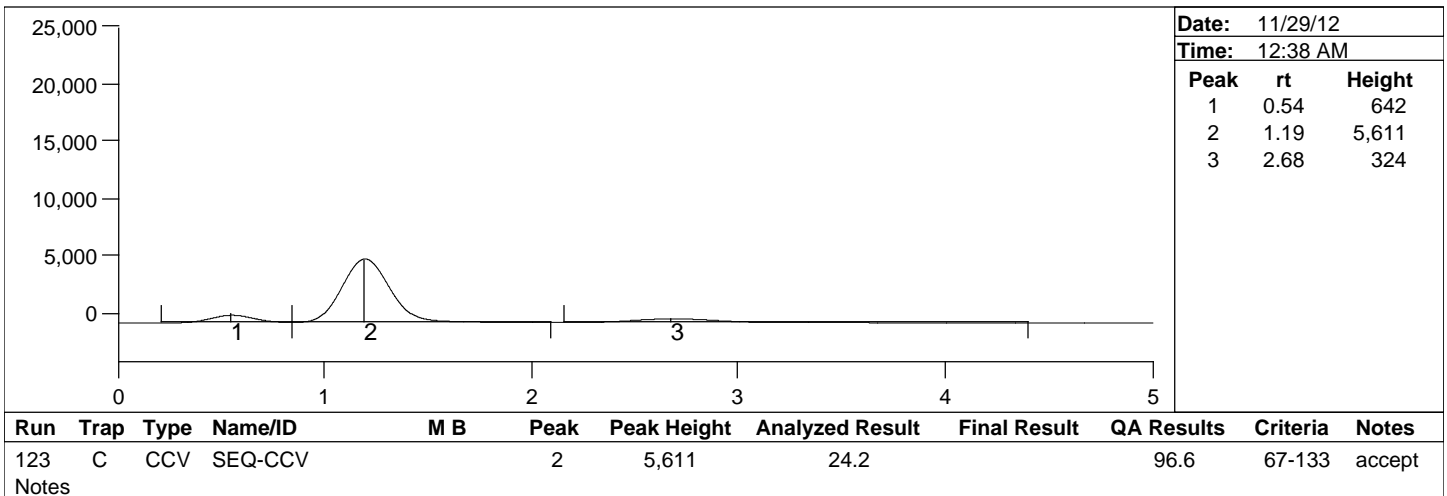
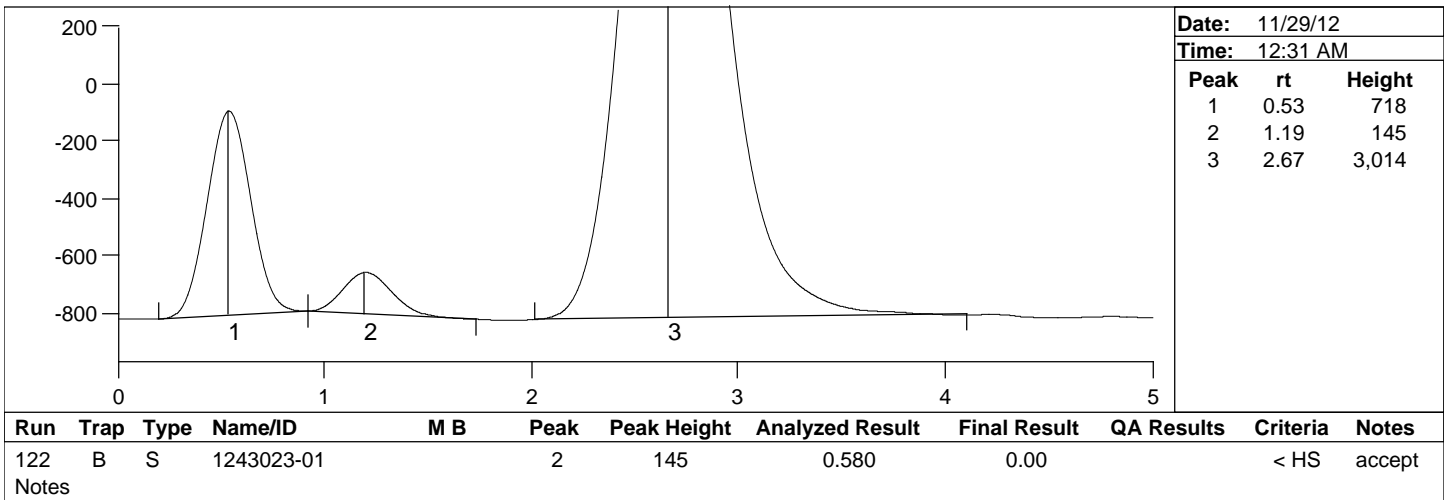
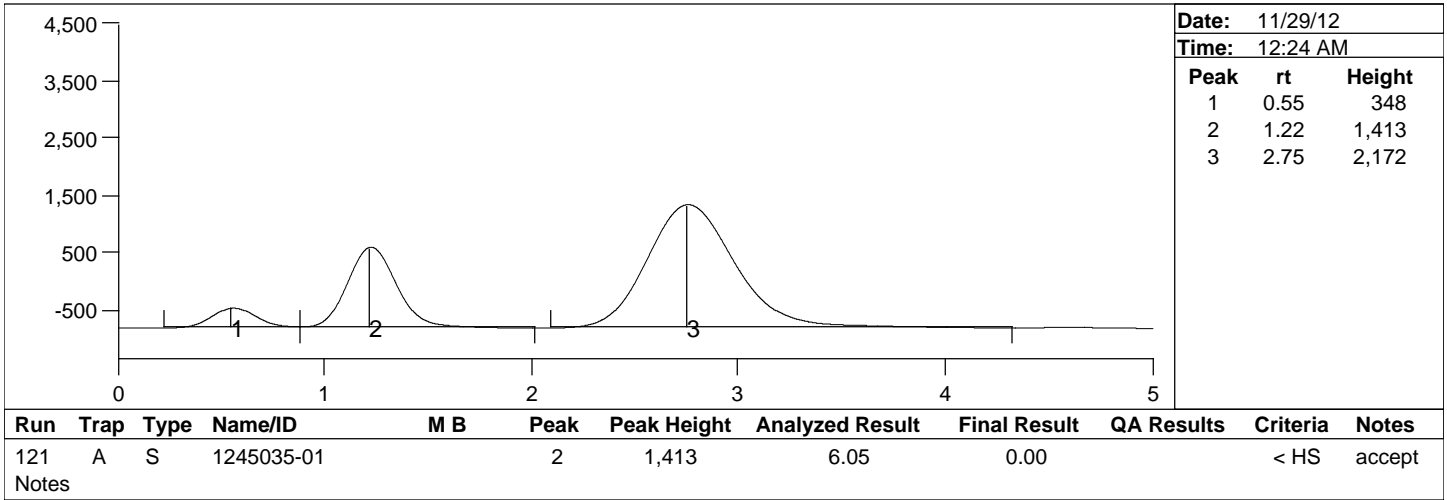
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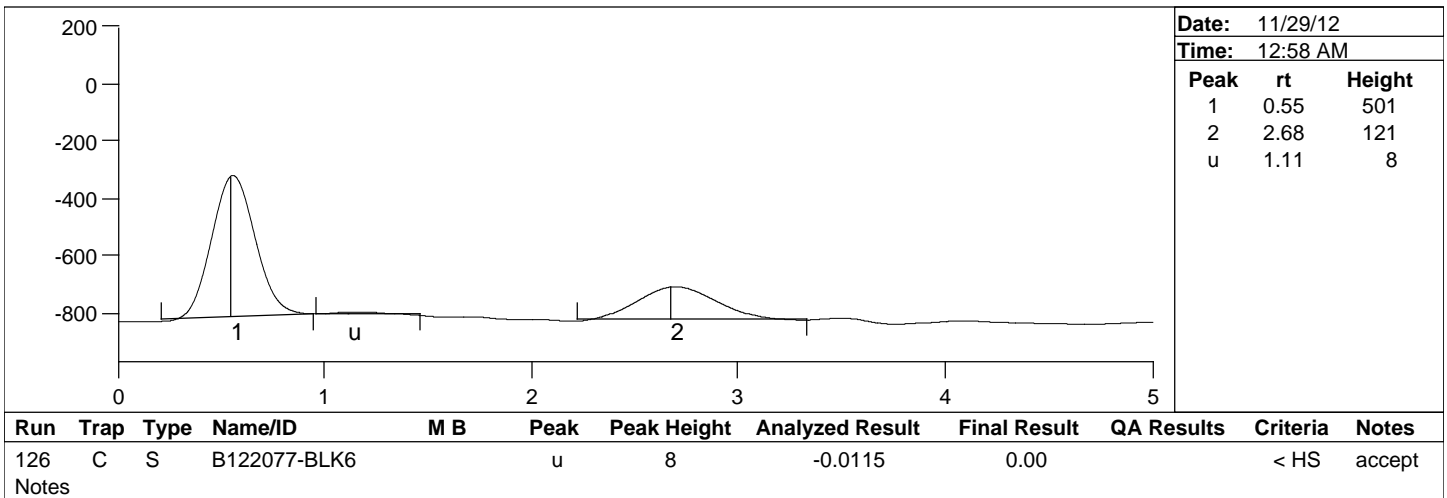
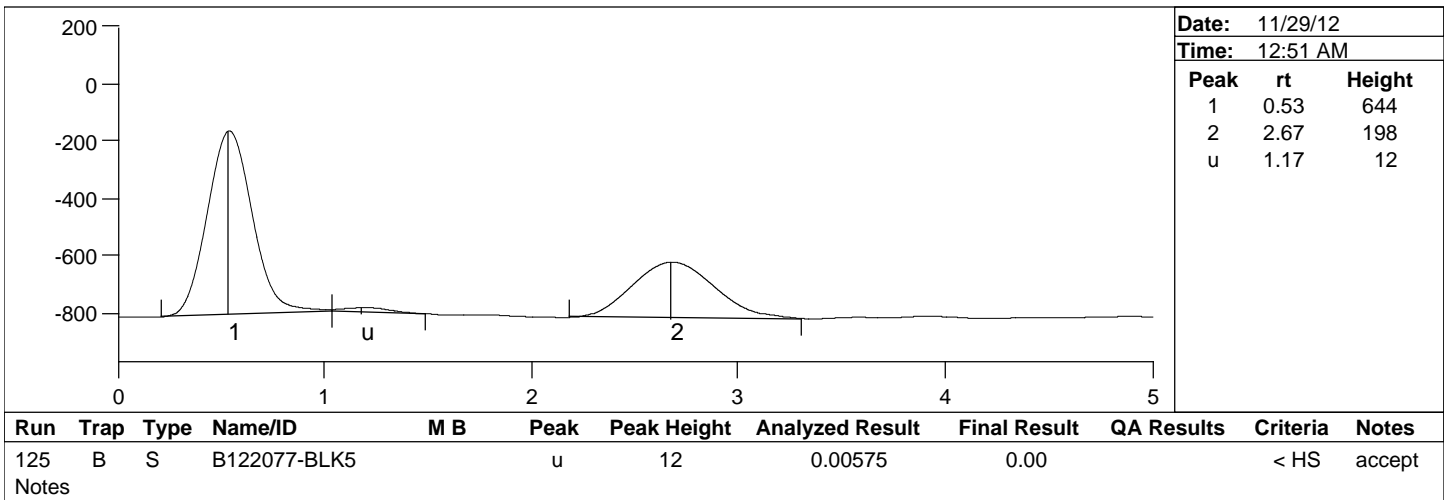
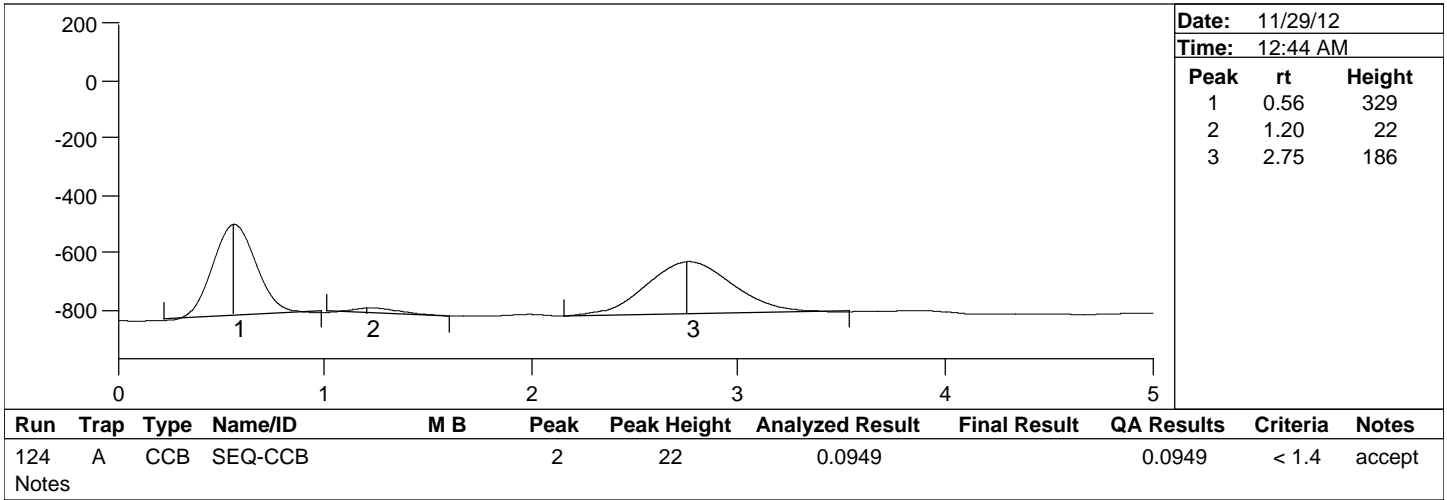
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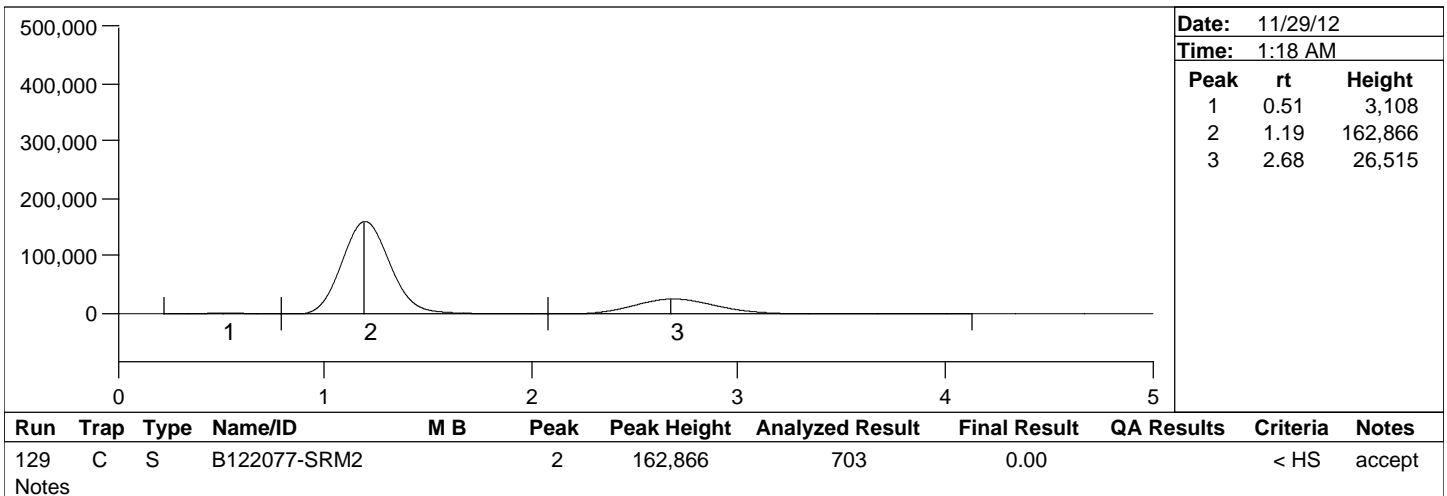
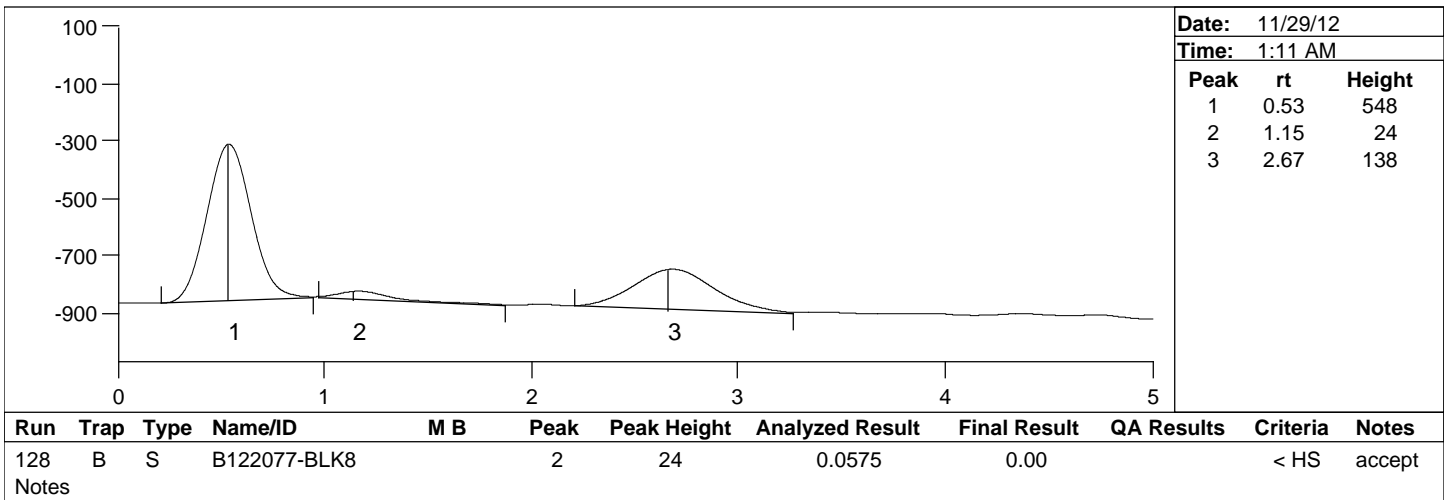
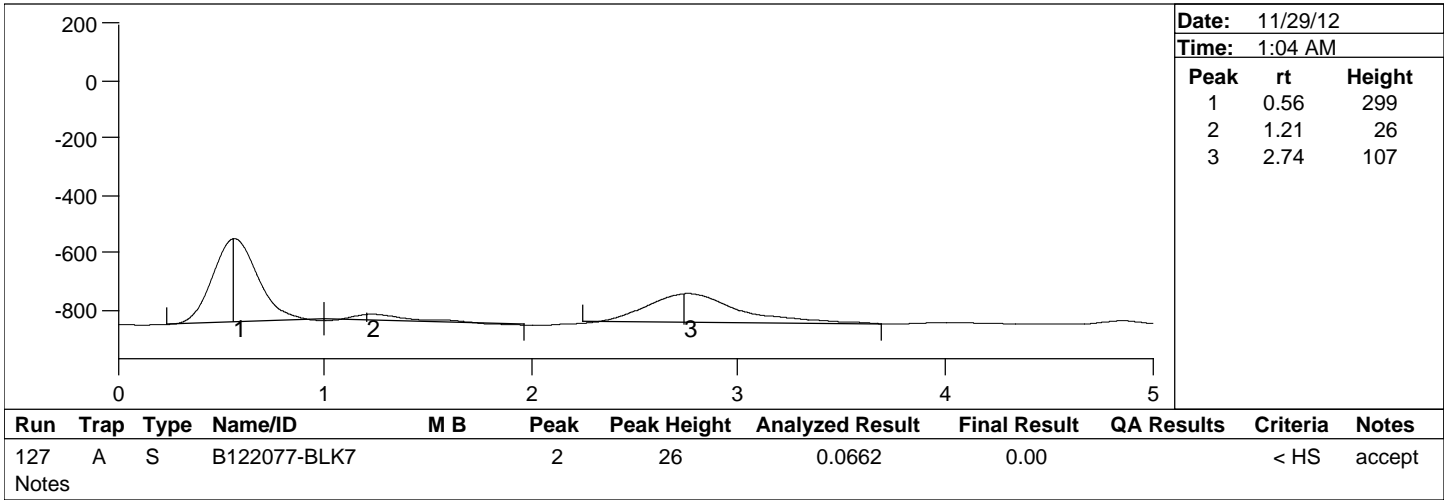
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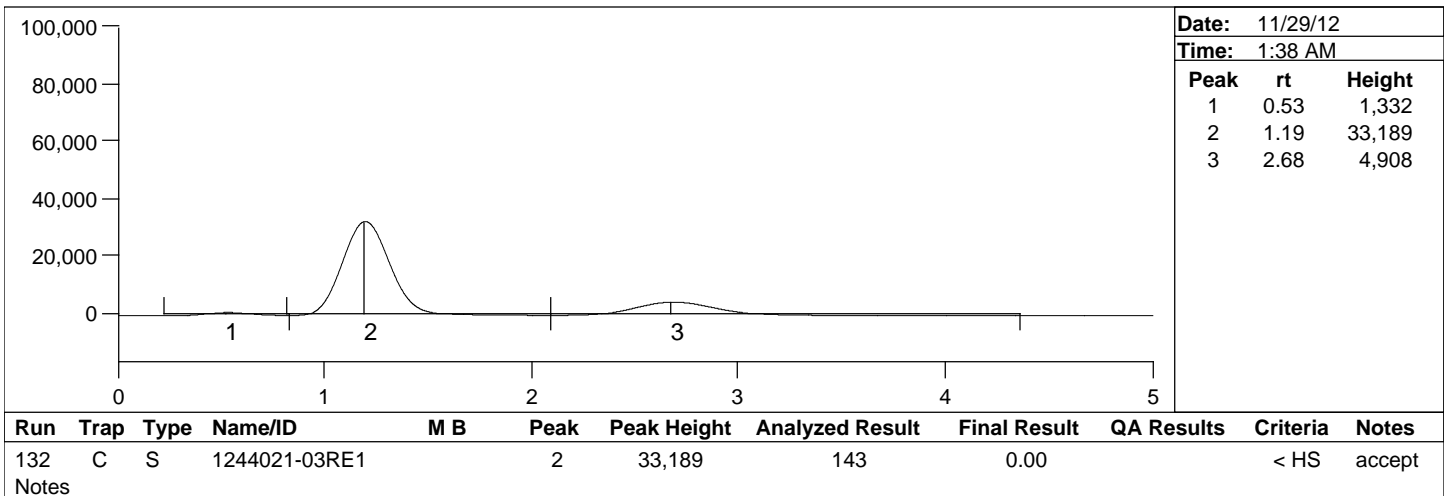
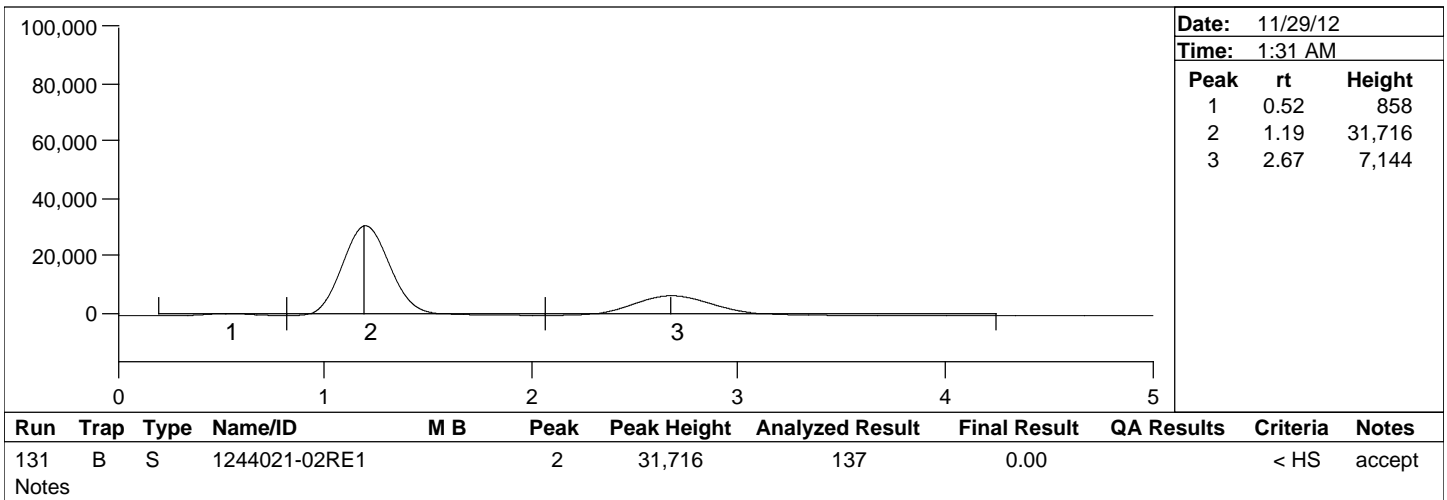
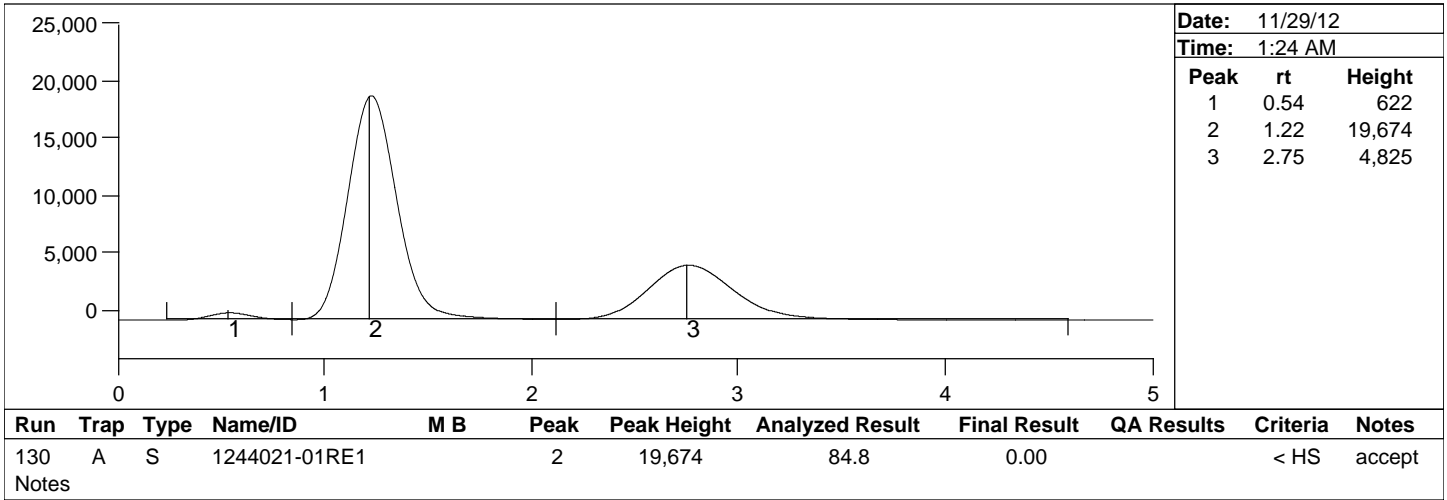
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Batch Number: B122092, 2127, 2077, 2031

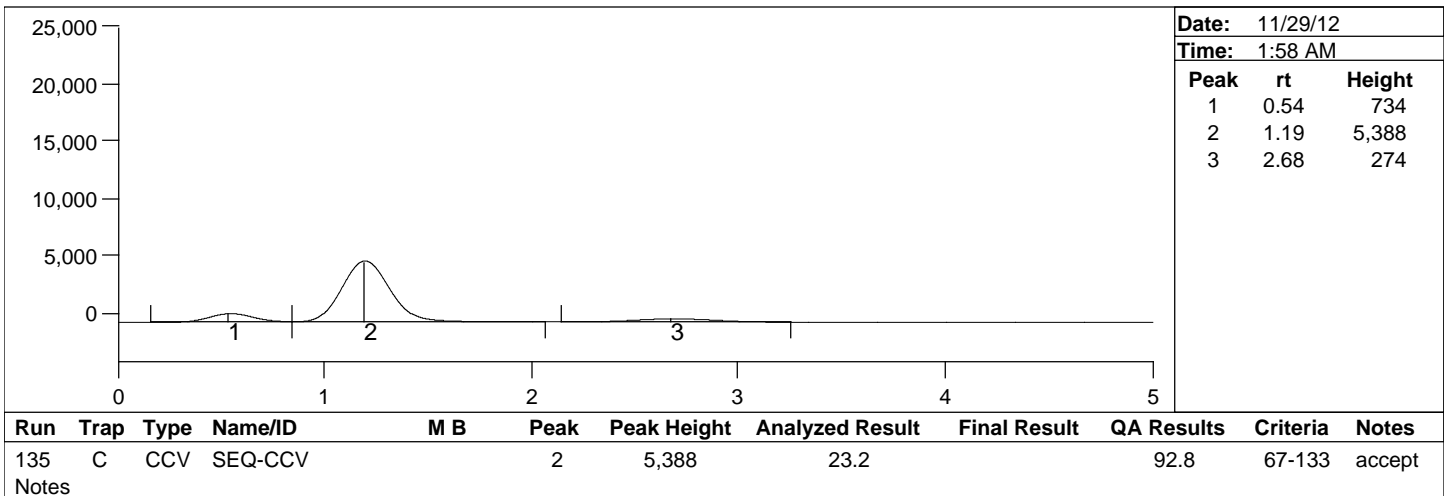
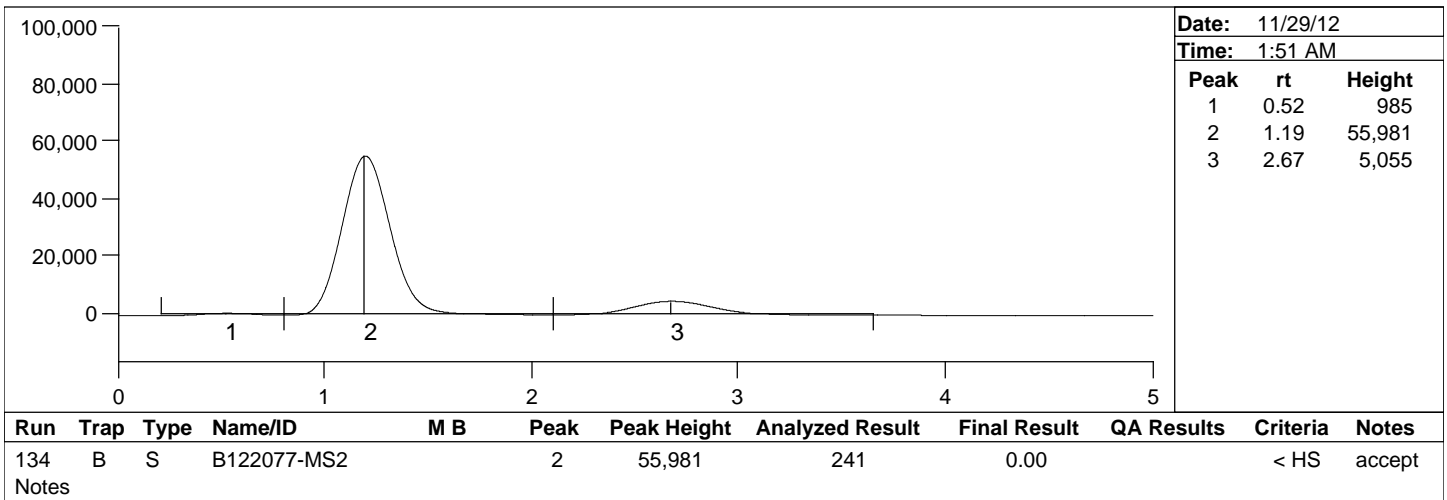
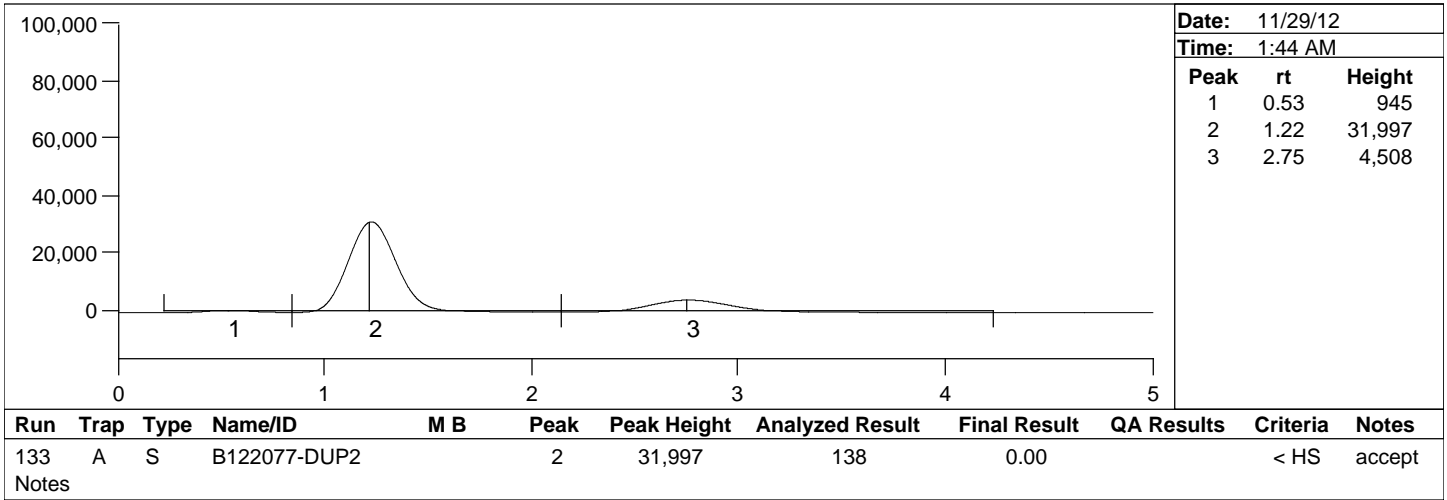
Method Number: CVAFS BR-0011

Project Number(s): 1200887

Instrument ID: MMHG-09

Date Analyzed: 11/28/12

Analyst Name: BJT



Peak Report

Batch Number: B122092, 2127, 2077, 2031

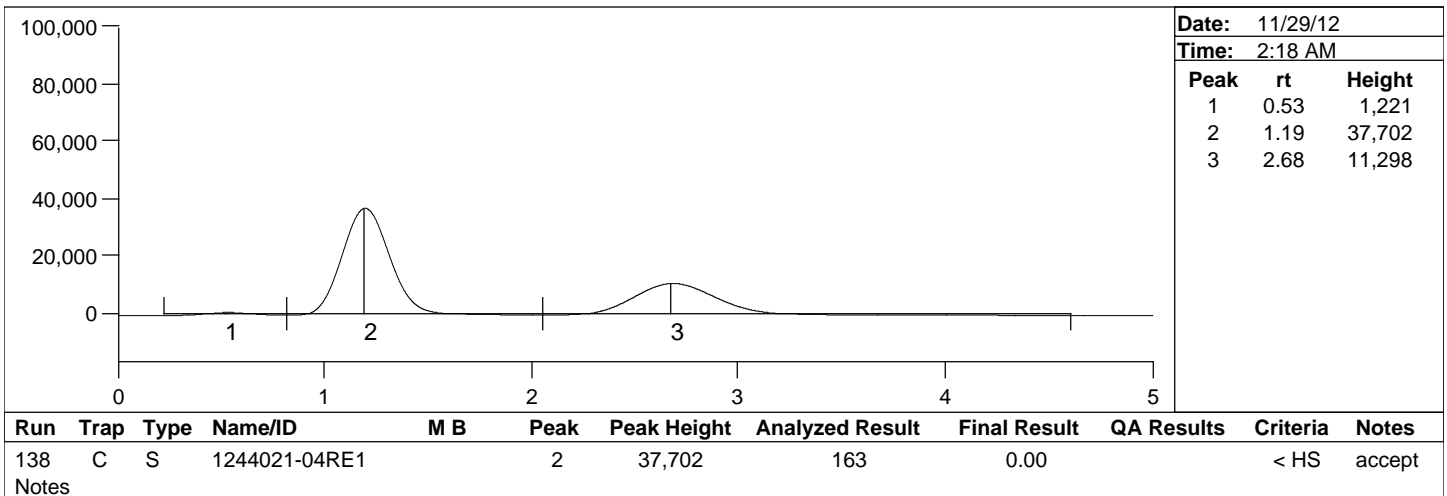
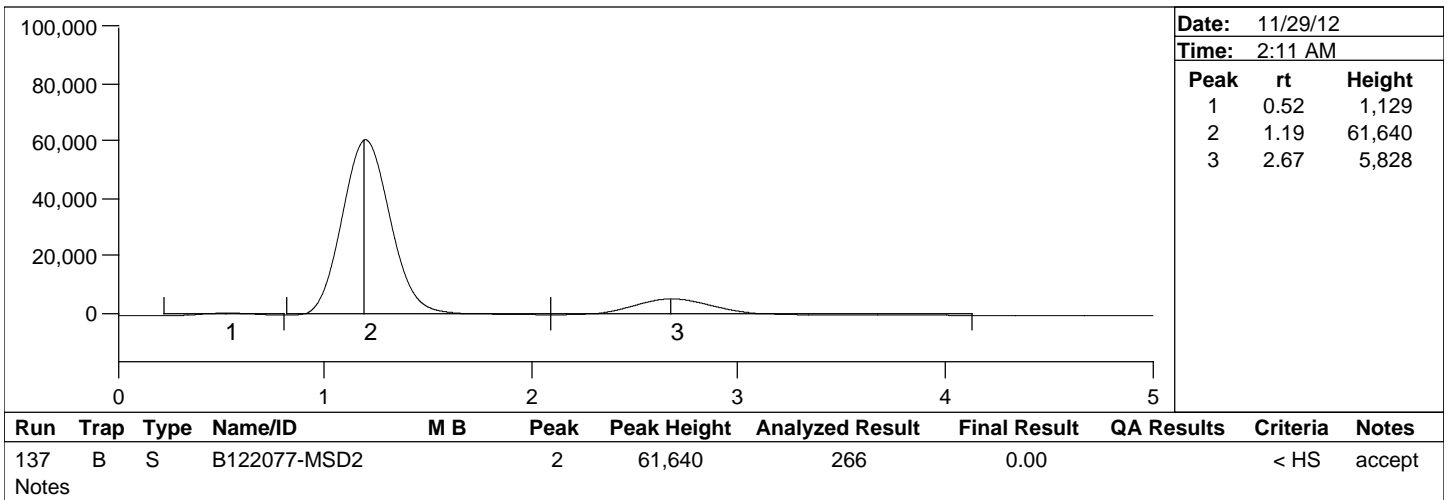
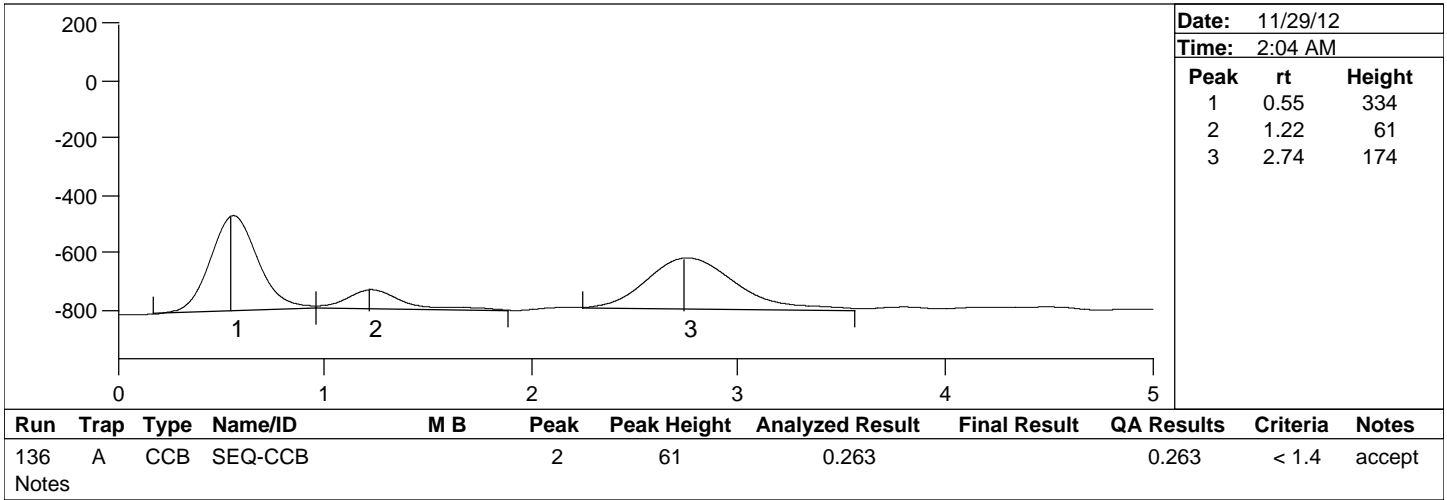
Method Number: CVAFS BR-0011

Project Number(s): 1200887

Instrument ID: MMHG-09

Date Analyzed: 11/28/12

Analyst Name: BJT



Peak Report

Batch Number: B122092, 2127, 2077, 2031

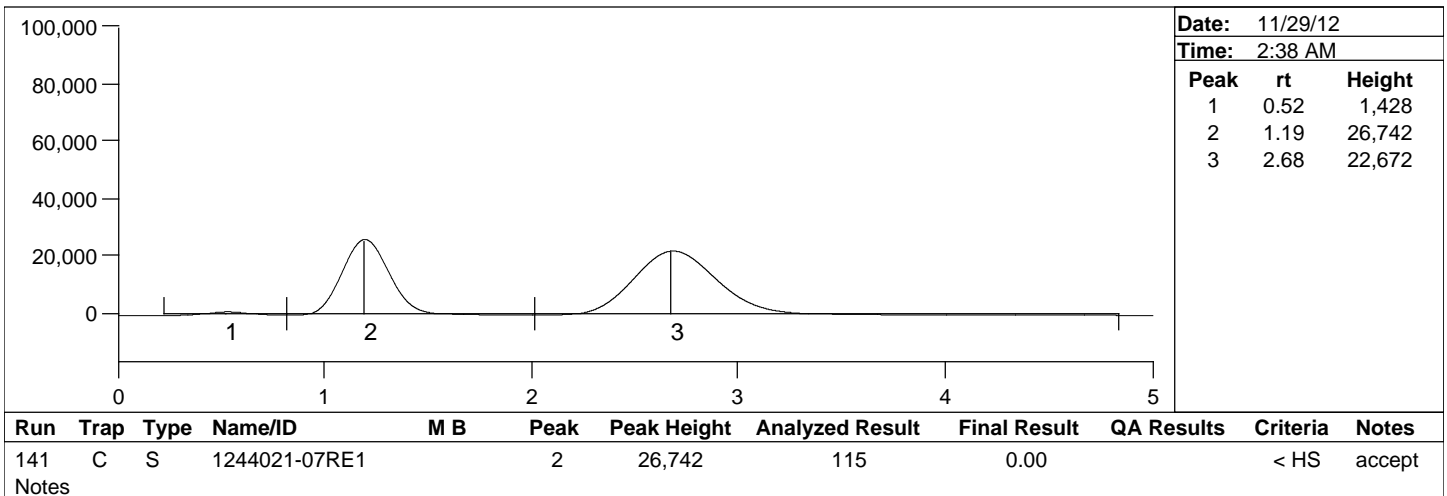
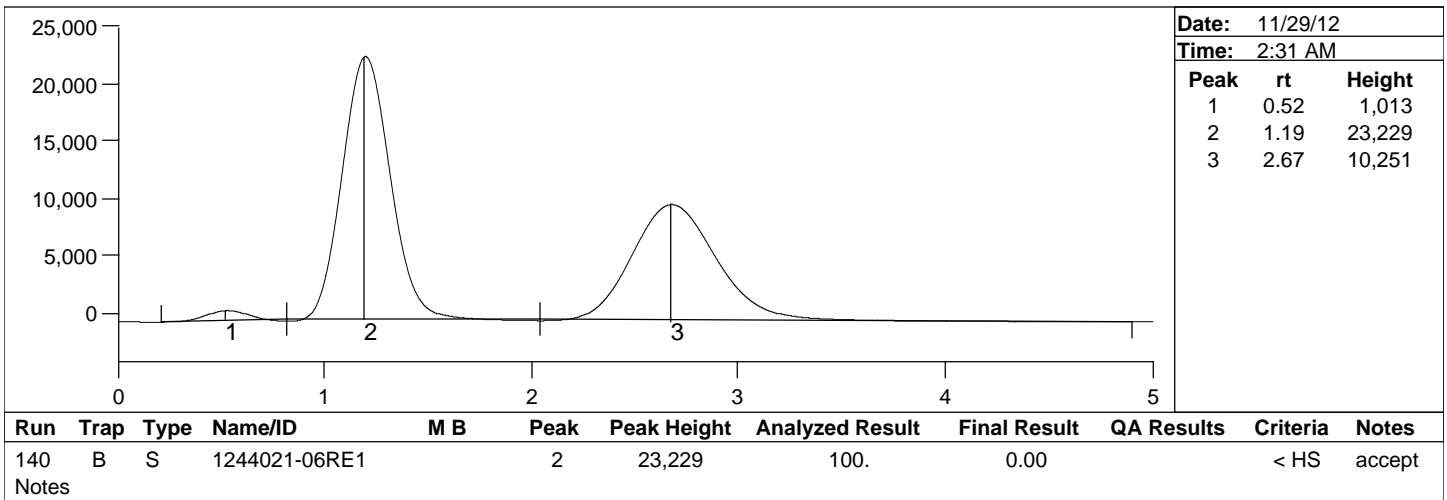
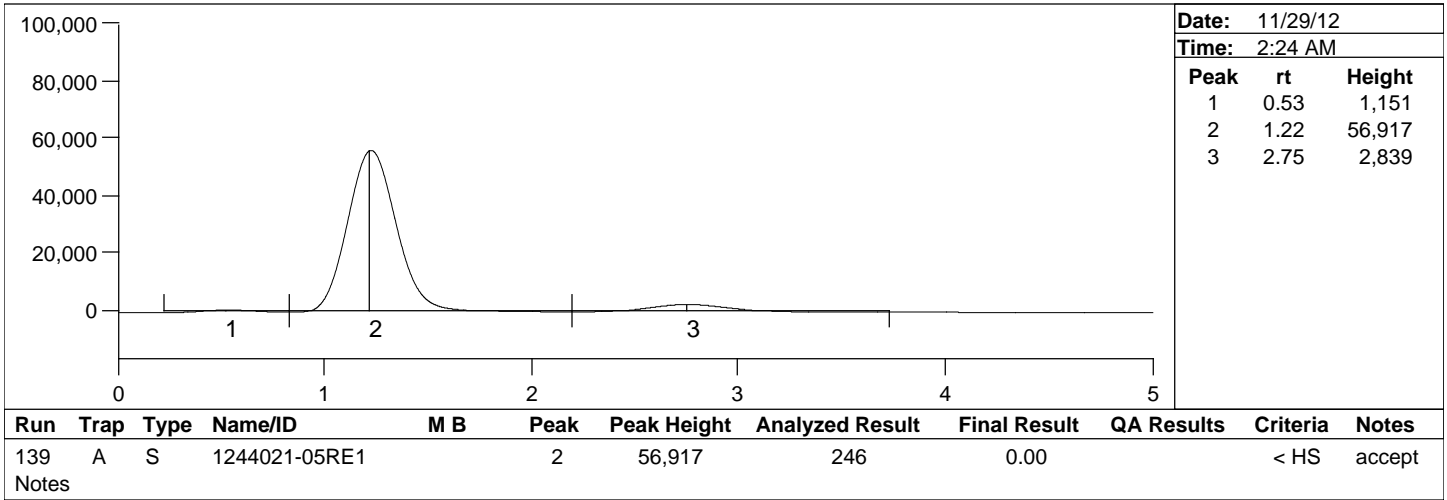
Method Number: CVAFS BR-0011

Project Number(s): 1200887

Instrument ID: MMHG-09

Date Analyzed: 11/28/12

Analyst Name: BJT



Peak Report

Batch Number: B122092, 2127, 2077, 2031

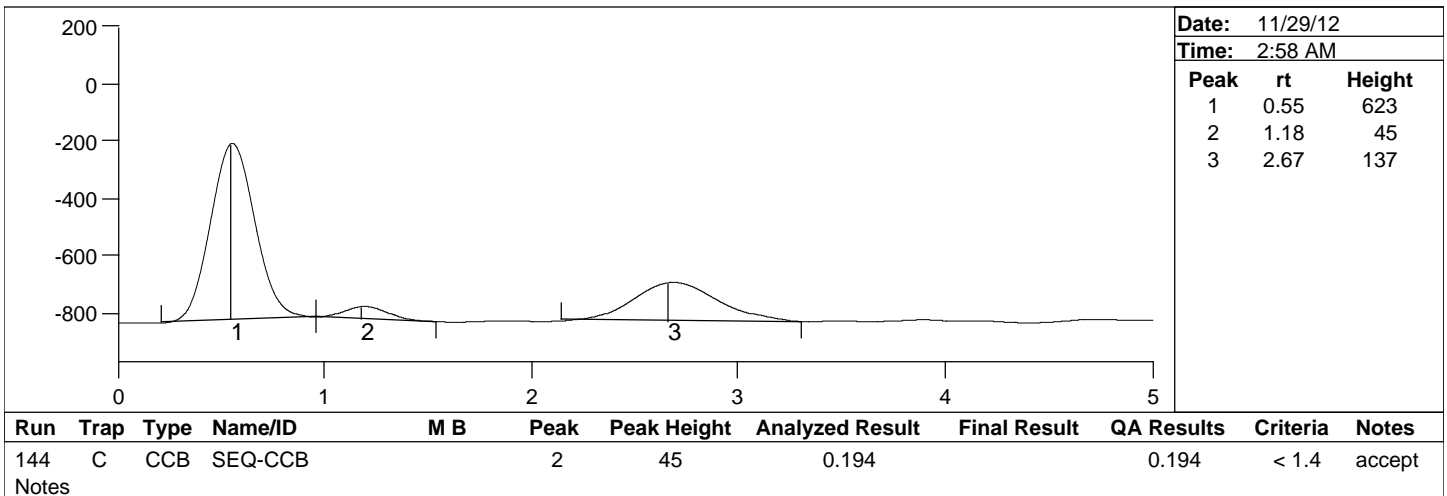
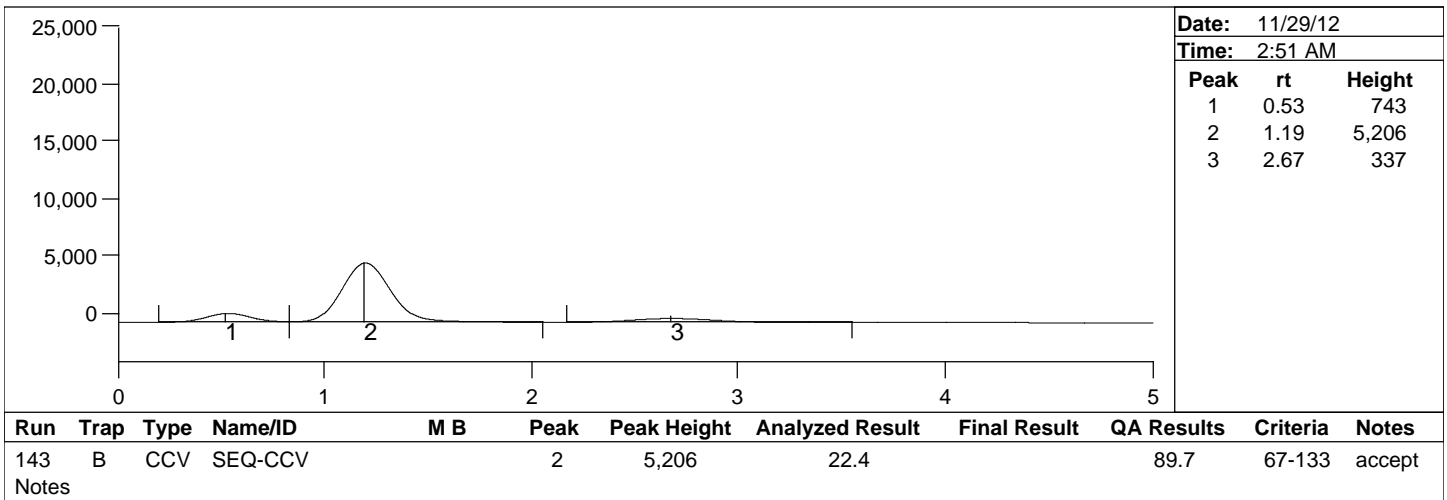
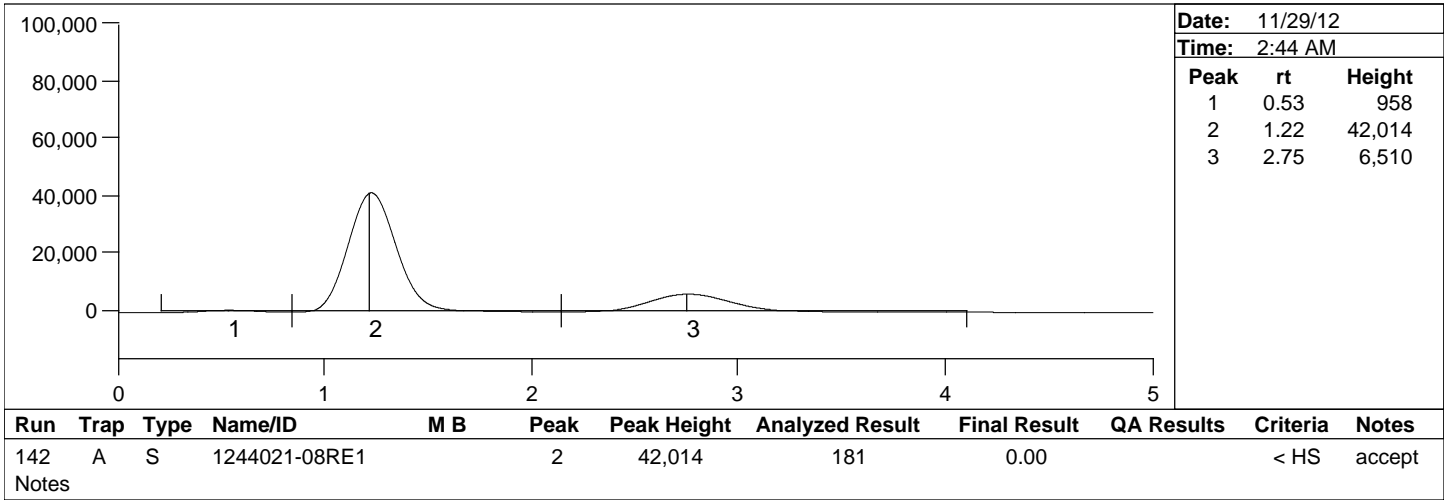
Method Number: CVAFS BR-0011

Project Number(s): 1200887

Instrument ID: MMHG-09

Date Analyzed: 11/28/12

Analyst Name: BJT



Peak Report

Batch Number: B122092, 2127, 2077, 2031

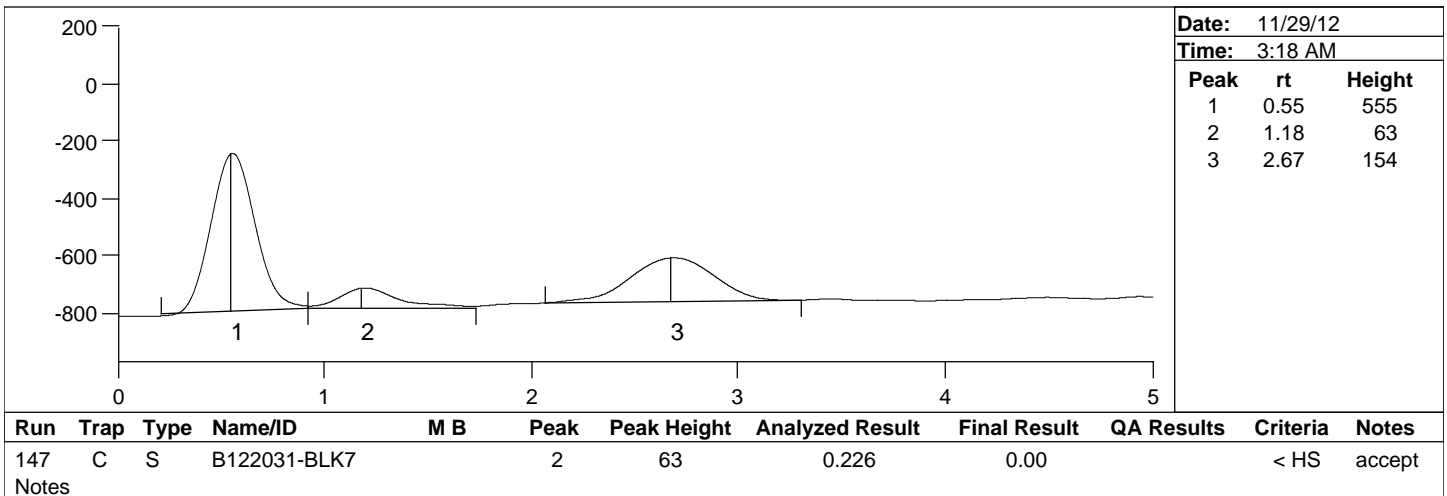
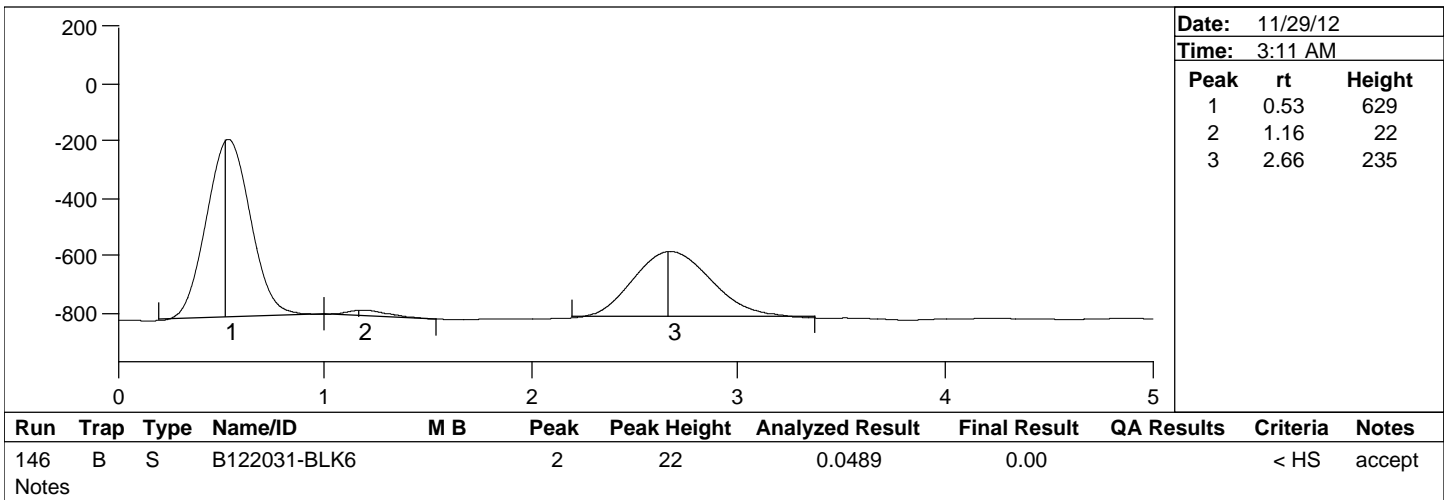
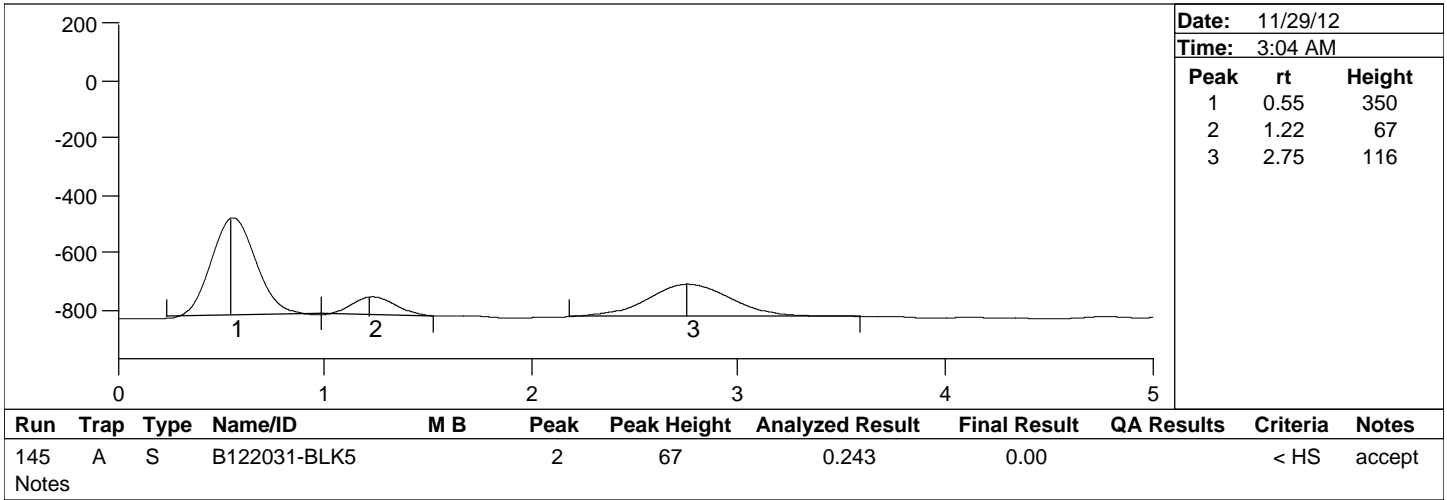
Method Number: CVAFS BR-0011

Project Number(s): 1200887

Instrument ID: MMHG-09

Date Analyzed: 11/28/12

Analyst Name: BJT



Peak Report

Batch Number: B122092, 2127, 2077, 2031

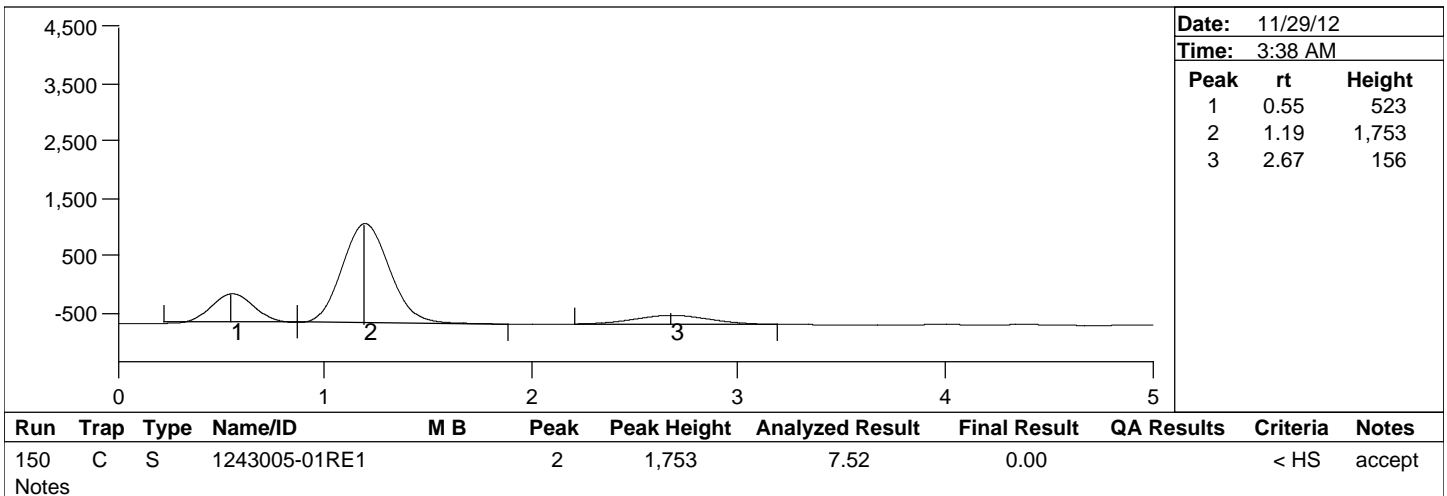
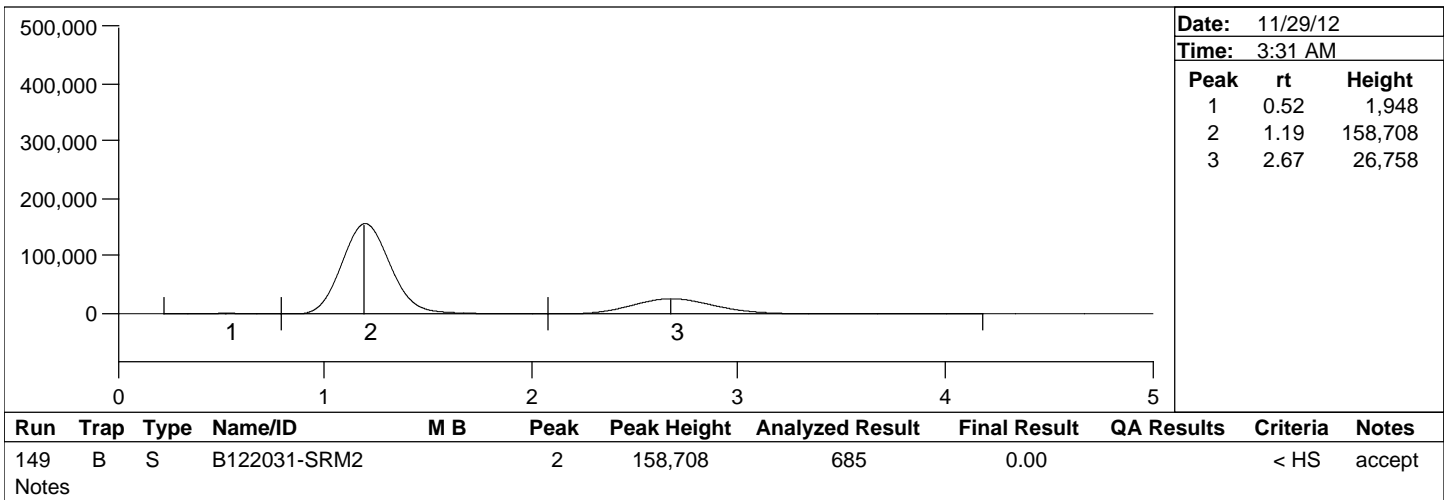
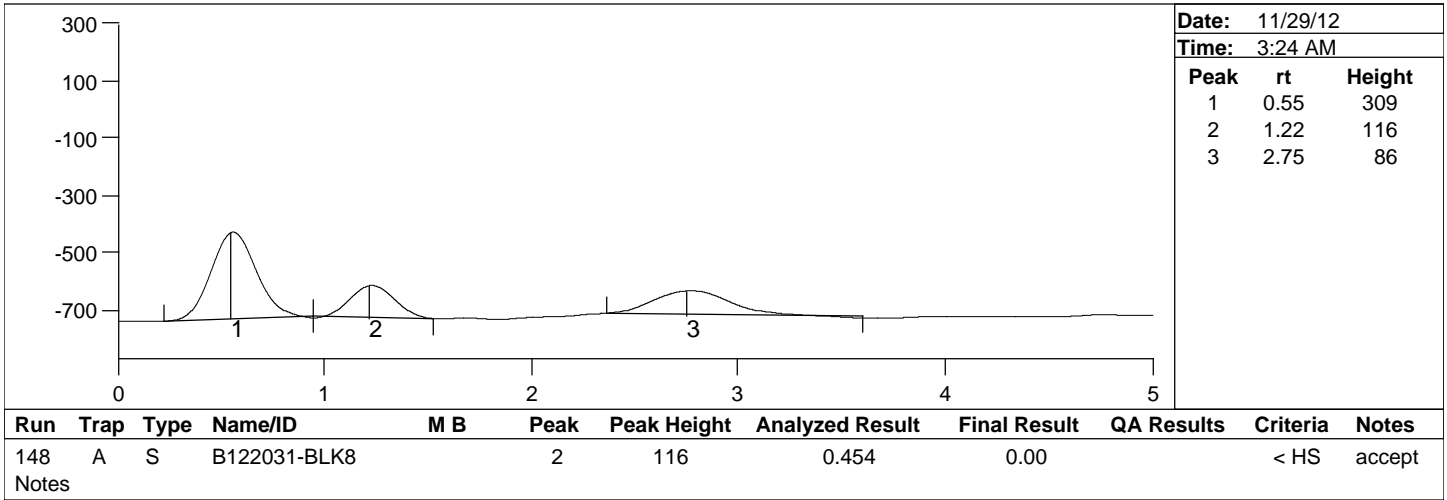
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Project Number(s): 1200887

Instrument ID: MMHG-09

Date Analyzed: 11/28/12

Analyst Name: BJT



Peak Report

Batch Number: B122092, 2127, 2077, 2031

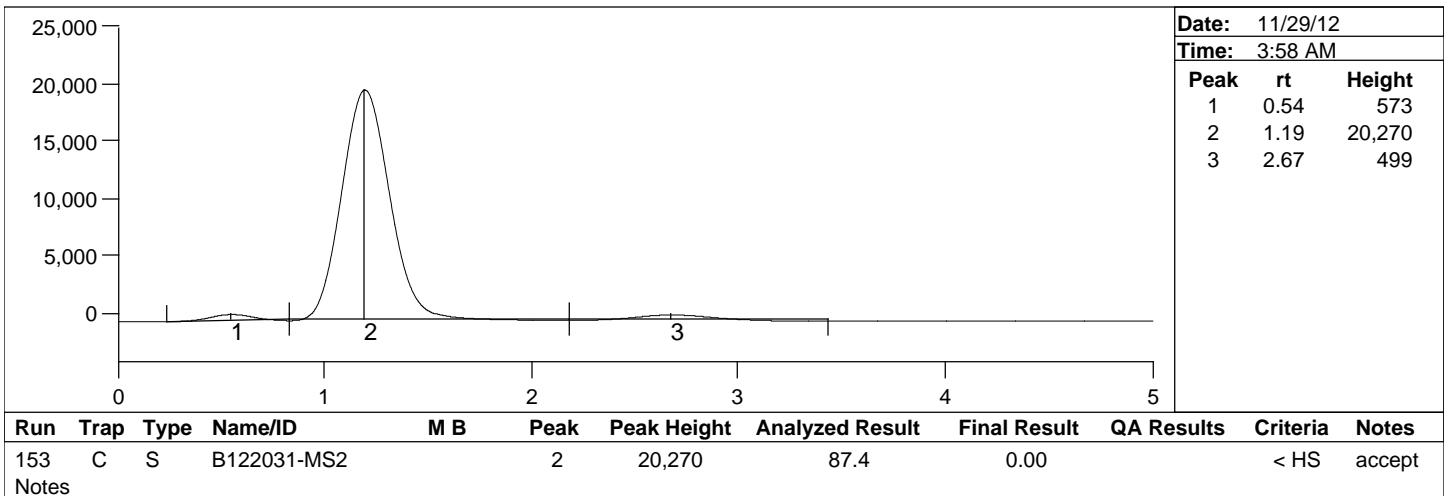
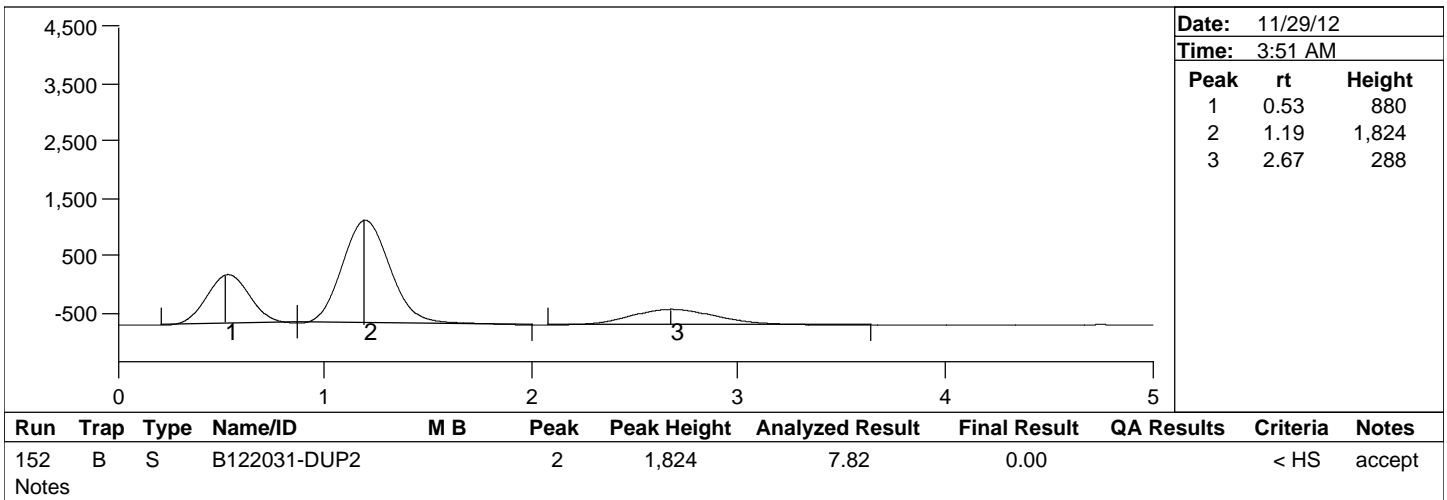
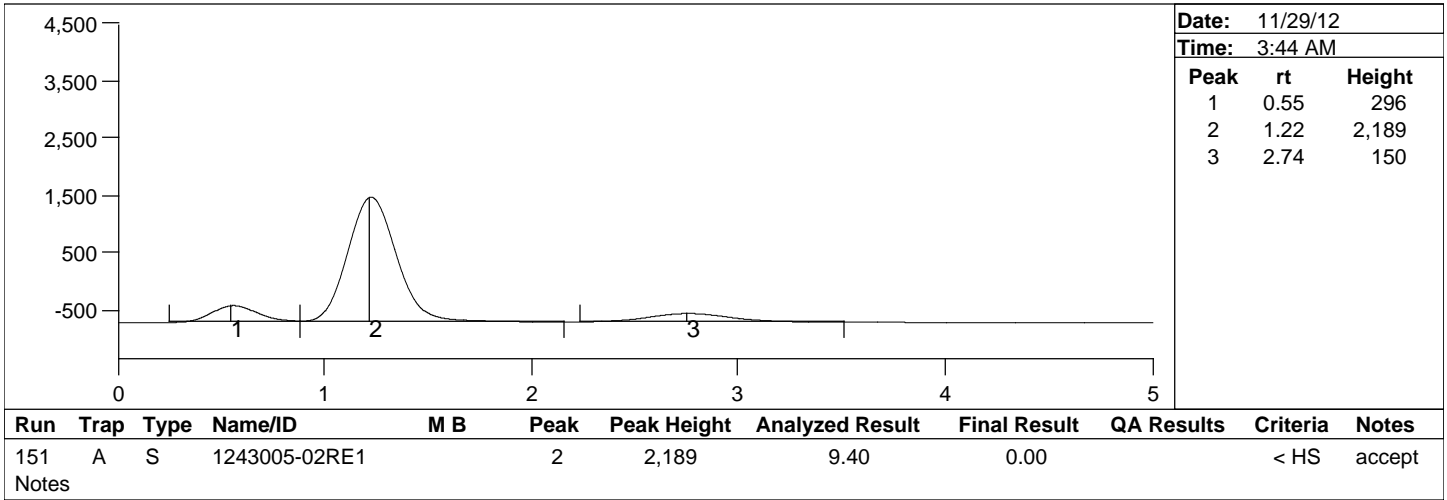
Method Number: CVAFS BR-0011

Project Number(s): 1200887

Instrument ID: MMHG-09

Date Analyzed: 11/28/12

Analyst Name: BJT



Peak Report

Batch Number: B122092, 2127, 2077, 2031

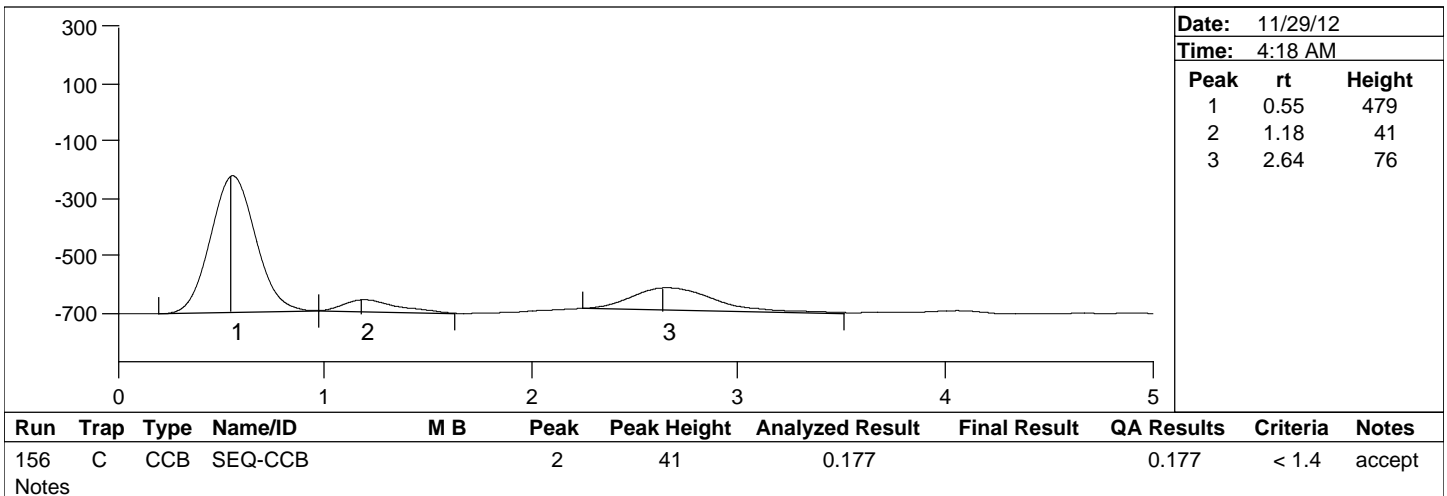
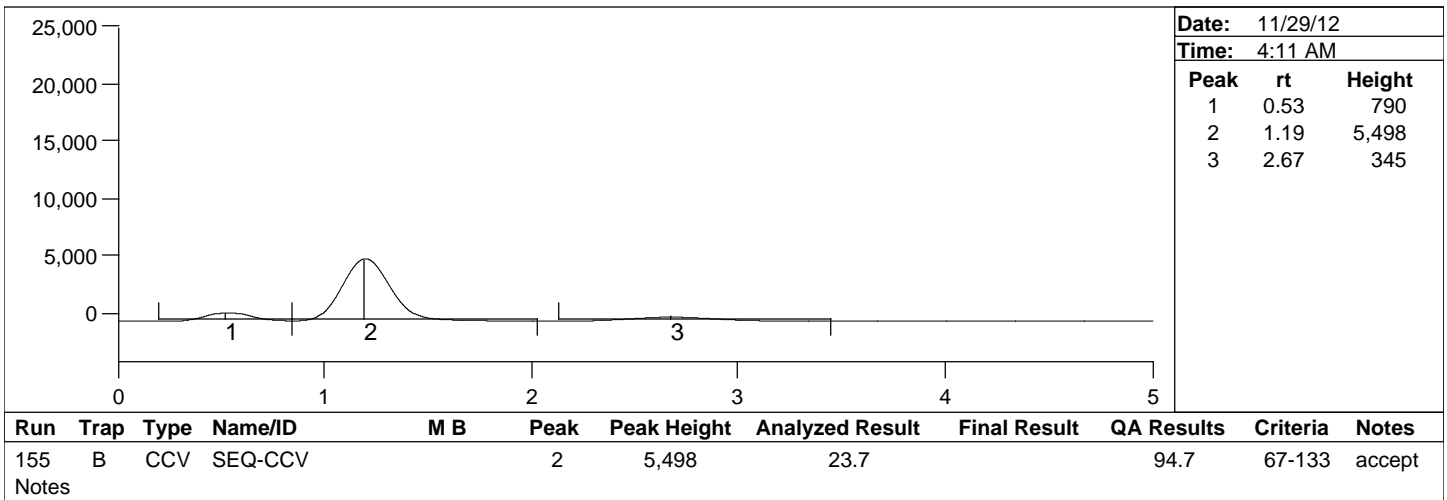
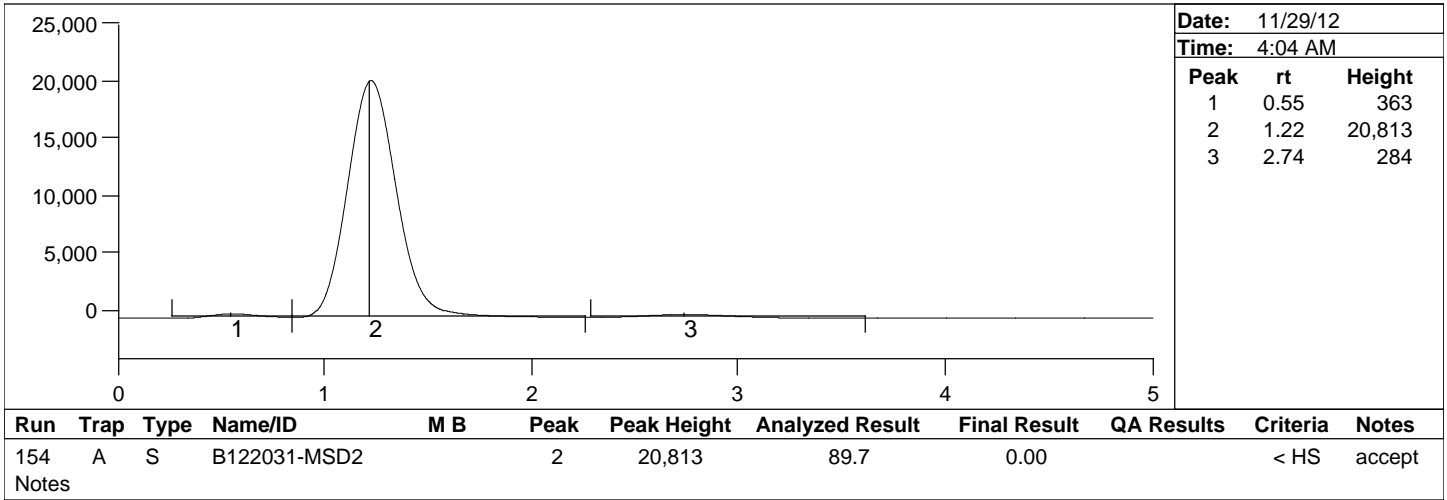
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Project Number(s): 1200887

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Peak Report

Batch Number: B122092, 2127, 2077, 2031

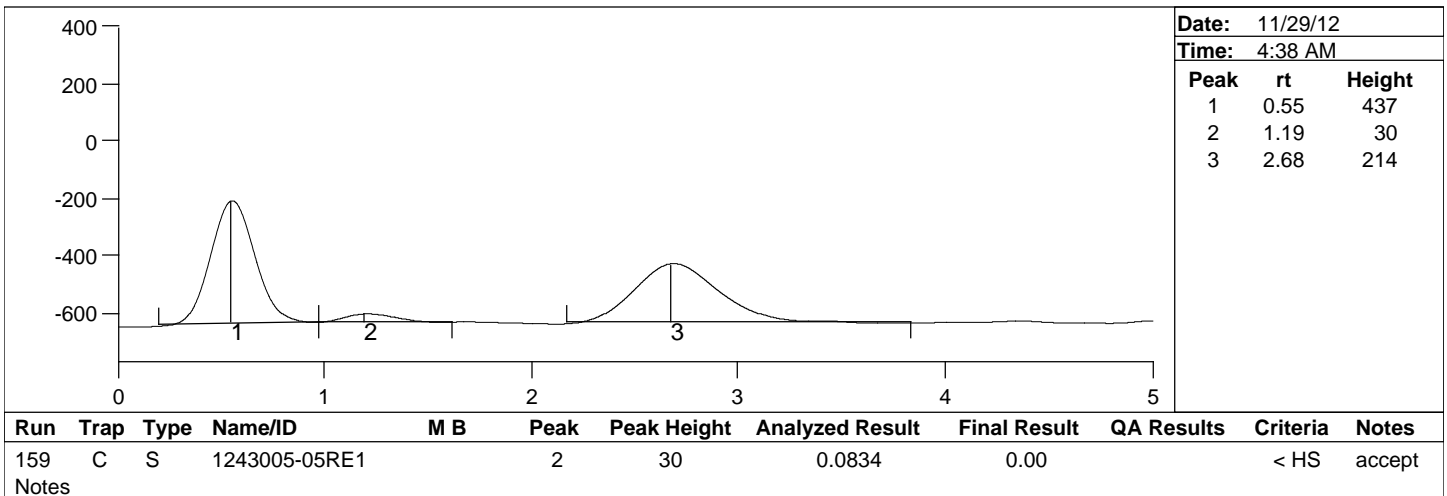
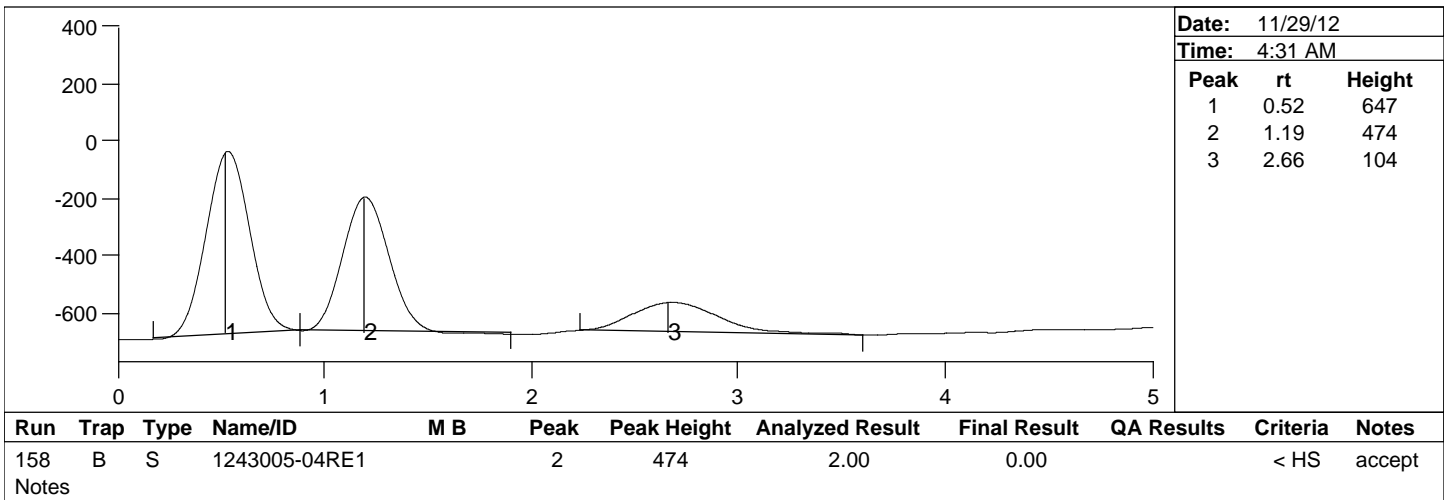
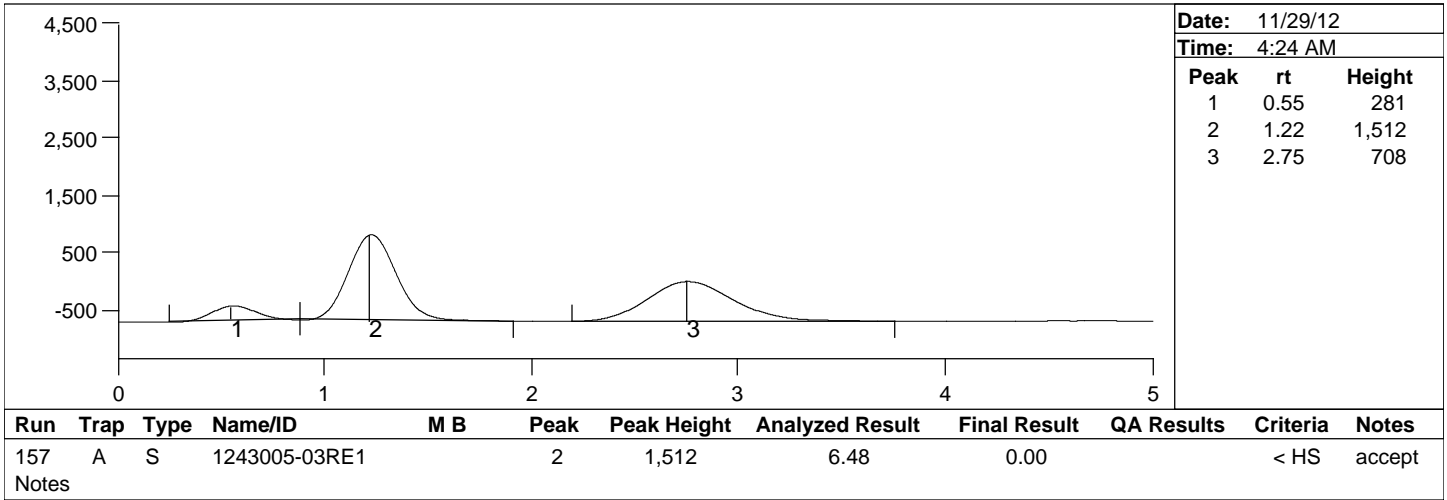
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Project Number(s): 1200887

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Peak Report

Batch Number: B122092, 2127, 2077, 2031

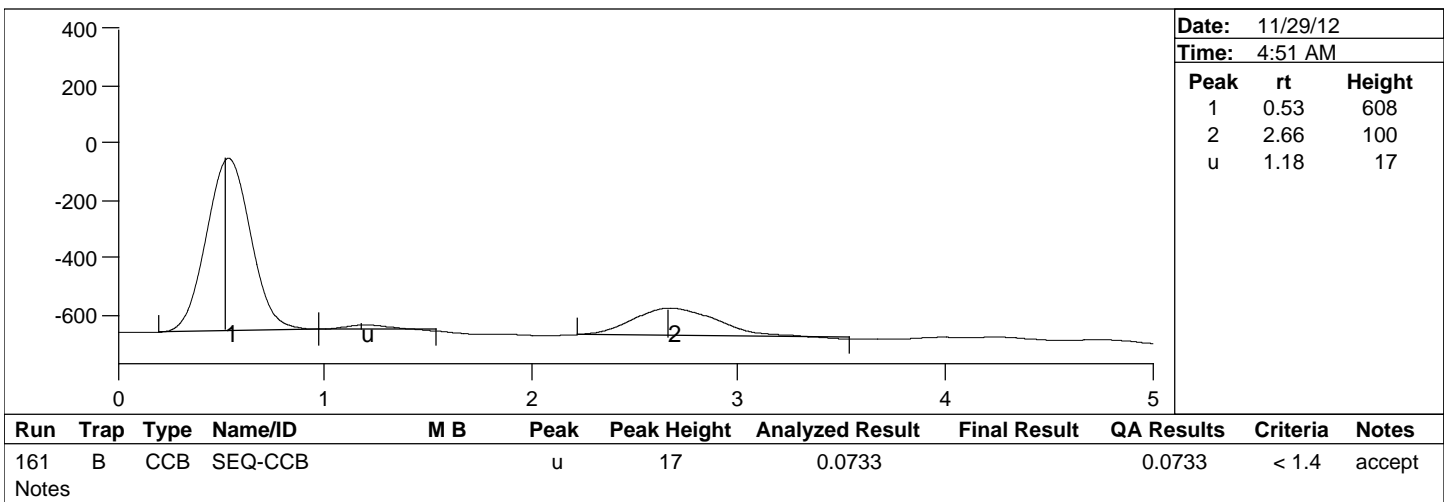
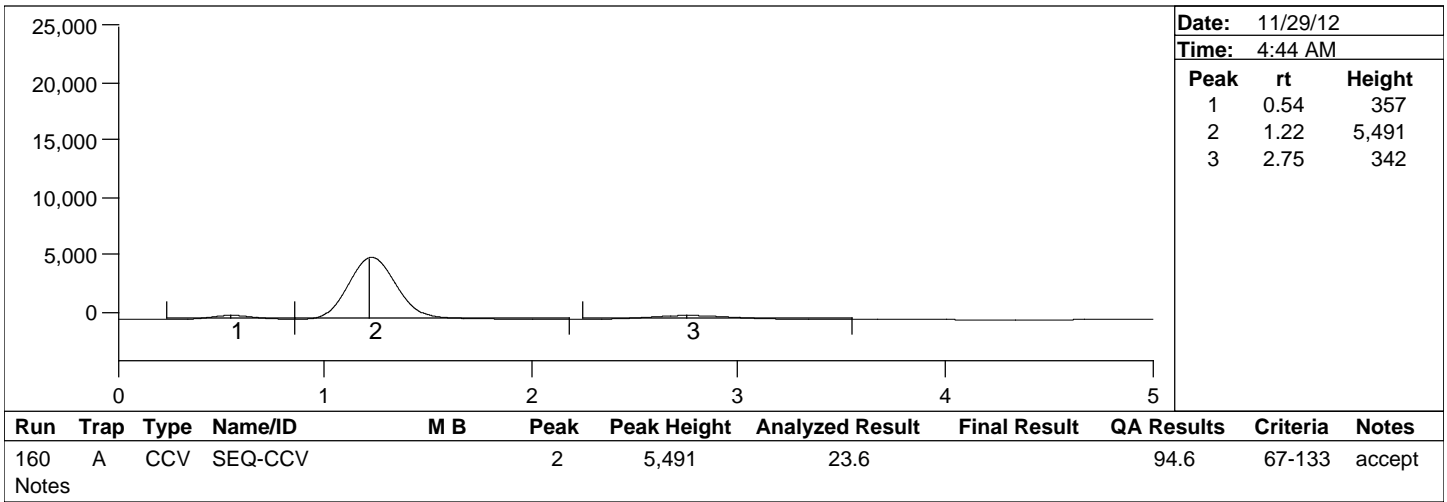
Method Number: CVAFS BR-0011

Project Number(s): 1200887

Instrument ID: MMHG-09

Date Analyzed: 11/28/12

Analyst Name: BJT



ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200901

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200901-IBL1	1200901	QC	1		-			
1200901-IBL2	1200901	QC	2		-			
1200901-IBL3	1200901	QC	3		-			
1200901-CAL1	1200901	QC	4	1245067	-			
1200901-CAL2	1200901	QC	5	1245068	-			
1200901-CAL3	1200901	QC	6	1245069	-			
1200901-CAL4	1200901	QC	7	1245070	-			
1200901-CAL5	1200901	QC	8	1245071	-			
1200901-CAL6	1200901	QC	9	1245072	-			
1200901-CAL7	1200901	QC	10	1245073	-			
1200901-CCB1	1200901	QC	11		-			
1200901-ICV1	1200901	QC	12	1248004	-			
1200901-CCB2	1200901	QC	13		-			
1200901-CCV1	1200901	QC	14	1245074	-			
1200901-CCB3	1200901	QC	15		-			
1200901-CCB4	1200901	QC	16		-			
1200901-CCB5	1200901	QC	17		-			
B122152-BLK1	B122152	QC	18		-			
B122152-BLK2	B122152	QC	19		-			
B122152-BLK3	B122152	QC	20		-			
B122152-BLK4	B122152	QC	21		-			
B122152-BS1	B122152	QC	22		-			
B122152-BS2	B122152	QC	23		-			
1244009-09RE1	B122152	MeHg-W-Dist-TR	24			FFR-VA1201	11/23/2012	From B122074 by BJT on 11/29/12
1246021-36	B122152	MeHg-W-Dist-Diss	25			DBE-RK1201	12/7/2012	
1246021-37	B122152	MeHg-W-Dist-Diss	26			DBE-RK1201	12/7/2012	

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200901

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1246021-38	B122152	MeHg-W-Dist-Diss	27			DBE-RK1201	12/7/2012	
1200901-CCV2	1200901	QC	28	1245074	-			
1200901-CCB6	1200901	QC	29		-			
1246021-39	B122152	MeHg-W-Dist-Diss	30			DBE-RK1201	12/7/2012	
1246021-40	B122152	MeHg-W-Dist-Diss	31			DBE-RK1201	12/7/2012	
1246021-41	B122152	MeHg-W-Dist-Diss	32			DBE-RK1201	12/7/2012	
1246021-42	B122152	MeHg-W-Dist-Diss	33			DBE-RK1201	12/7/2012	
1246021-43	B122152	MeHg-W-Dist-Diss	34			DBE-RK1201	12/7/2012	
1246021-44	B122152	MeHg-W-Dist-Diss	35			DBE-RK1201	12/7/2012	
1246021-45	B122152	MeHg-W-Dist-Diss	36			DBE-RK1201	12/7/2012	
1246021-46	B122152	MeHg-W-Dist-Diss	37			DBE-RK1201	12/7/2012	
1246021-47	B122152	MeHg-W-Dist-Diss	38			DBE-RK1201	12/7/2012	
1246021-48	B122152	MeHg-W-Dist-TR	39			DBE-RK1201	12/7/2012	
1200901-CCV3	1200901	QC	40	1245074	-			
1200901-CCB7	1200901	QC	41		-			
1246021-49	B122152	MeHg-W-Dist-Diss	42			DBE-RK1201	12/7/2012	
1246021-50	B122152	MeHg-W-Dist-Diss	43			DBE-RK1201	12/7/2012	
1246021-51	B122152	MeHg-W-Dist-TR	44			DBE-RK1201	1/1/1980	BatchQC
1246021-51	B122152	MeHg-W-Dist-Diss	45			DBE-RK1201	12/7/2012	
B122152-MS2	B122152	QC	46		1246021-51			
1246021-52	B122152	MeHg-W-Dist-Diss	47			DBE-RK1201	12/7/2012	
1246021-53	B122152	MeHg-W-Dist-TR	48			DBE-RK1201	1/1/1980	BatchQC
1246021-53	B122152	MeHg-W-Dist-Diss	49			DBE-RK1201	12/7/2012	
B122152-MS1	B122152	QC	50		1246021-53			
1246021-54	B122152	MeHg-W-Dist-Diss	51			DBE-RK1201	12/7/2012	
1246021-55	B122152	MeHg-W-Dist-TR	52			DBE-RK1201	12/7/2012	

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200901

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1246021-56	B122152	MeHg-W-Dist-Diss	53			DBE-RK1201	12/7/2012	
1200901-CCV4	1200901	QC	54	1245074	-			
1200901-CCB8	1200901	QC	55		-			
1246021-57	B122152	MeHg-W-Dist-Diss	56			DBE-RK1201	12/7/2012	
1246021-58	B122152	MeHg-W-Dist-TR	57			DBE-RK1201	12/7/2012	
1246021-59	B122152	MeHg-W-Dist-Diss	58			DBE-RK1201	12/7/2012	
1246021-60	B122152	MeHg-W-Dist-Diss	59			DBE-RK1201	12/7/2012	
1246021-61	B122152	MeHg-W-Dist-Diss	60			DBE-RK1201	12/7/2012	
1246021-62	B122152	MeHg-W-Dist-TR	61			DBE-RK1201	12/7/2012	
1246021-63	B122152	MeHg-W-Dist-Diss	62			DBE-RK1201	12/7/2012	
1247025-01	B122152	MeHg-W-Dist-TR	63			CRN-GV1101	12/4/2012	
1247025-01	B122152	MeHg-W-Dist-Diss	64			CRN-GV1101	1/1/1980	BatchQC
B122152-MS3	B122152	QC	65		1247025-01			
B122152-MSD3	B122152	QC	66		1247025-01			
1200901-CCV5	1200901	QC	67	1245074	-			
1200901-CCB9	1200901	QC	68		-			
1247026-01	B122152	MeHg-W-Dist-TR	69			SFL-JC1001	12/4/2012	
1247026-01	B122152	MeHg-W-Dist-Diss	70			SFL-JC1001	1/1/1980	BatchQC
B122152-MS4	B122152	QC	71		1247026-01			
B122152-MSD4	B122152	QC	72		1247026-01			
1200901-CCV6	1200901	QC	73	1245074	-			
1200901-CCBA	1200901	QC	74		-			
B122151-BLK1	B122151	QC	75		-			
B122151-BLK2	B122151	QC	76		-			
B122151-BLK3	B122151	QC	77		-			
B122151-BLK4	B122151	QC	78		-			

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200901

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B122151-BS1	B122151	QC	79		-			
B122151-BS2	B122151	QC	80		-			
1245005-25	B122151	MeHg-W-Dist-TR	81			UDE-SL1201	12/5/2012	
1245005-25	B122151	MeHg-W-Dist-Diss	82			UDE-SL1201	1/1/1980	BatchQC
B122151-MS4	B122151	QC	83		1245005-25			
B122151-MSD4	B122151	QC	84		1245005-25			
1245005-26	B122151	MeHg-W-Dist-TR	85			UDE-SL1201	12/5/2012	
1200901-CCV7	1200901	QC	86	1245074	-			
1200901-CCBB	1200901	QC	87		-			
1245020-01	B122151	MeHg-W-Dist-TR	88			UDE-SL1201	12/6/2012	
1245020-05	B122151	MeHg-W-Dist-TR	89			UDE-SL1201	12/6/2012	
1245020-05	B122151	MeHg-W-Dist-Diss	90			UDE-SL1201	1/1/1980	BatchQC
B122151-MS1	B122151	QC	91		1245020-05			
B122151-MSD1	B122151	QC	92		1245020-05			
1245020-09	B122151	MeHg-W-Dist-TR	93			UDE-SL1201	12/6/2012	
1245020-13	B122151	MeHg-W-Dist-TR	94			UDE-SL1201	12/6/2012	
1246021-02	B122151	MeHg-W-Dist-TR	95			DBE-RK1201	12/7/2012	
1246021-03	B122151	MeHg-W-Dist-TR	96			DBE-RK1201	12/7/2012	
1246021-04	B122151	MeHg-W-Dist-TR	97			DBE-RK1201	12/7/2012	
1246021-05	B122151	MeHg-W-Dist-TR	98			DBE-RK1201	12/7/2012	
1200901-CCV8	1200901	QC	99	1245074	-			
1200901-CCBC	1200901	QC	100		-			
1246021-06	B122151	MeHg-W-Dist-TR	101			DBE-RK1201	12/7/2012	
1246021-06	B122151	MeHg-W-Dist-Diss	102			DBE-RK1201	1/1/1980	BatchQC
B122151-MS2	B122151	QC	103		1246021-06			
B122151-MSD2	B122151	QC	104		1246021-06			

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200901

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1246021-07	B122151	MeHg-W-Dist-TR	105			DBE-RK1201	12/7/2012	
1246021-08	B122151	MeHg-W-Dist-TR	106			DBE-RK1201	12/7/2012	
1246021-14	B122151	MeHg-W-Dist-TR	107			DBE-RK1201	12/7/2012	
1246021-15	B122151	MeHg-W-Dist-TR	108			DBE-RK1201	12/7/2012	
1246021-16	B122151	MeHg-W-Dist-Diss	109			DBE-RK1201	12/7/2012	
1246021-17	B122151	MeHg-W-Dist-Diss	110			DBE-RK1201	12/7/2012	
1246021-18	B122151	MeHg-W-Dist-Diss	111			DBE-RK1201	12/7/2012	
1200901-CCV9	1200901	QC	112	1245074	-			
1200901-CCBD	1200901	QC	113		-			
1246021-19	B122151	MeHg-W-Dist-Diss	114			DBE-RK1201	12/7/2012	
1246021-20	B122151	MeHg-W-Dist-Diss	115			DBE-RK1201	12/7/2012	
1246021-21	B122151	MeHg-W-Dist-Diss	116			DBE-RK1201	12/7/2012	
1246021-22	B122151	MeHg-W-Dist-Diss	117			DBE-RK1201	12/7/2012	
1246021-23	B122151	MeHg-W-Dist-TR	118			DBE-RK1201	1/1/1980	BatchQC
1246021-23	B122151	MeHg-W-Dist-Diss	119			DBE-RK1201	12/7/2012	
B122151-MS3	B122151	QC	120		1246021-23			
1246021-24	B122151	MeHg-W-Dist-Diss	121			DBE-RK1201	12/7/2012	
1246021-25	B122151	MeHg-W-Dist-Diss	122			DBE-RK1201	12/7/2012	
1246021-26	B122151	MeHg-W-Dist-Diss	123			DBE-RK1201	12/7/2012	
1246021-27	B122151	MeHg-W-Dist-Diss	124			DBE-RK1201	12/7/2012	
1200901-CCVA	1200901	QC	125	1245074	-			
1200901-CCBE	1200901	QC	126		-			
1246021-28	B122151	MeHg-W-Dist-Diss	127			DBE-RK1201	12/7/2012	
1246021-29	B122151	MeHg-W-Dist-Diss	128			DBE-RK1201	12/7/2012	
1246021-30	B122151	MeHg-W-Dist-Diss	129			DBE-RK1201	12/7/2012	
1246021-31	B122151	MeHg-W-Dist-TR	130			DBE-RK1201	12/7/2012	

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200901

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1246021-32	B122151	MeHg-W-Dist-TR	131			DBE-RK1201	12/7/2012	
1246021-33	B122151	MeHg-W-Dist-TR	132			DBE-RK1201	12/7/2012	
1246021-34	B122151	MeHg-W-Dist-Diss	133			DBE-RK1201	12/7/2012	
1246021-35	B122151	MeHg-W-Dist-Diss	134			DBE-RK1201	12/7/2012	
1200901-CCVB	1200901	QC	135	1245074	-			
1200901-CCBF	1200901	QC	136		-			
B122045-BLK1	B122045	QC	137		-			
B122045-BLK2	B122045	QC	138		-			
B122045-BLK3	B122045	QC	139		-			
B122045-BLK4	B122045	QC	140		-			
B122045-BS1	B122045	QC	141		-			
B122045-BS2	B122045	QC	142		-			
B122045-BS3	B122045	QC	143		-			
B122045-BS4	B122045	QC	144		-			
B122045-BS5	B122045	QC	145		-			
1200901-CCVC	1200901	QC	146	1245074	-			
1200901-CCBG	1200901	QC	147		-			
B122182-BLK1	B122182	QC	148		-			
B122182-BLK2	B122182	QC	149		-			
B122182-BLK3	B122182	QC	150		-			
B122182-BLK4	B122182	QC	151		-			
B122182-SRM1	B122182	QC	152		-			
B122182-SRM2	B122182	QC	153		-			
1246018-01	B122182	MeHg-S-MeCl	154			USG-SA1001	12/7/2012	
1246018-02	B122182	MeHg-S-MeCl	155			USG-SA1001	12/7/2012	
1246018-03	B122182	MeHg-S-MeCl	156			USG-SA1001	12/7/2012	

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200901

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B122182-DUP1	B122182	QC	157		1246018-03			
1200901-CCVD	1200901	QC	158	1245074	-			
1200901-CCBH	1200901	QC	159		-			
B122182-MS1	B122182	QC	160		1246018-03			
B122182-MSD1	B122182	QC	161		1246018-03			
1246018-04	B122182	MeHg-S-MeCl	162			USG-SA1001	12/7/2012	
1246018-05	B122182	MeHg-S-MeCl	163			USG-SA1001	12/7/2012	
1246018-06	B122182	MeHg-S-MeCl	164			USG-SA1001	12/7/2012	
1247010-15	B122182	MeHg-S-MeCl	165			ENV-BN1201	12/13/2012	
1247010-16	B122182	MeHg-S-MeCl	166			ENV-BN1201	12/13/2012	
1247010-17	B122182	MeHg-S-MeCl	167			ENV-BN1201	12/13/2012	
B122182-DUP2	B122182	QC	168		1247010-17			
B122182-MS2	B122182	QC	169		1247010-17			
1200901-CCVE	1200901	QC	170	1245074	-			
1200901-CCBI	1200901	QC	171		-			
B122182-MSD2	B122182	QC	172		1247010-17			
1247010-18	B122182	MeHg-S-MeCl	173			ENV-BN1201	12/13/2012	
1246018-03RE1	B122182	MeHg-S-MeCl	174			USG-SA1001	12/7/2012	Added 12/7/2012 by BJT
B122182-DUP3	B122182	QC	175		1246018-03RE1			
1200901-CCVF	1200901	QC	176	1245074	-			
1200901-CCBJ	1200901	QC	177		-			
B122157-BLK1	B122157	QC	178		-			
B122157-BLK2	B122157	QC	179		-			
B122157-BLK3	B122157	QC	180		-			
B122157-BLK4	B122157	QC	181		-			
B122157-SRM1	B122157	QC	182		-			

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200901

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B122157-SRM2	B122157	QC	183		-			
1246014-01	B122157	MeHg-B-KOH/Me	184			ENV-BN1201	12/6/2012	
B122157-DUP1	B122157	QC	185		1246014-01			
B122157-MS1	B122157	QC	186		1246014-01			
B122157-MSD1	B122157	QC	187		1246014-01			
1200901-CCVG	1200901	QC	188	1245074	-			
1200901-CCBK	1200901	QC	189		-			
1246014-02	B122157	MeHg-B-KOH/Me	190			ENV-BN1201	12/6/2012	
1246014-03	B122157	MeHg-B-KOH/Me	191			ENV-BN1201	12/6/2012	
1246014-04	B122157	MeHg-B-KOH/Me	192			ENV-BN1201	12/6/2012	
1246014-05	B122157	MeHg-B-KOH/Me	193			ENV-BN1201	12/6/2012	
1246014-06	B122157	MeHg-B-KOH/Me	194			ENV-BN1201	12/6/2012	
1246014-07	B122157	MeHg-B-KOH/Me	195			ENV-BN1201	12/6/2012	
1246014-08	B122157	MeHg-B-KOH/Me	196			ENV-BN1201	12/6/2012	
1246014-09	B122157	MeHg-B-KOH/Me	197			ENV-BN1201	12/6/2012	
1246014-10	B122157	MeHg-B-KOH/Me	198			ENV-BN1201	12/6/2012	
1246014-11	B122157	MeHg-B-KOH/Me	199			ENV-BN1201	12/6/2012	
1200901-CCVH	1200901	QC	200	1245074	-			
1200901-CCBL	1200901	QC	201		-			
B122157-DUP2	B122157	QC	202		1246014-11			
B122157-MS2	B122157	QC	203		1246014-11			
B122157-MSD2	B122157	QC	204		1246014-11			
1246014-12	B122157	MeHg-B-KOH/Me	205			ENV-BN1201	12/6/2012	
1246014-13	B122157	MeHg-B-KOH/Me	206			ENV-BN1201	12/6/2012	
1246014-14	B122157	MeHg-B-KOH/Me	207			ENV-BN1201	12/6/2012	
1246014-15	B122157	MeHg-B-KOH/Me	208			ENV-BN1201	12/6/2012	

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200901

Instrument: MMHG-09

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1246014-16	B122157	MeHg-B-KOH/Me	209			ENV-BN1201	12/6/2012	
1246014-17	B122157	MeHg-B-KOH/Me	210			ENV-BN1201	12/6/2012	
1246014-18	B122157	MeHg-B-KOH/Me	211			ENV-BN1201	12/6/2012	
1200901-CCVI	1200901	QC	212	1245074	-			
1200901-CCBM	1200901	QC	213		-			
1246014-19	B122157	MeHg-B-KOH/Me	214			ENV-BN1201	12/6/2012	
1246014-20	B122157	MeHg-B-KOH/Me	215			ENV-BN1201	12/6/2012	
1246014-21	B122157	MeHg-B-KOH/Me	216			ENV-BN1201	12/6/2012	
B122157-DUP3	B122157	QC	217		1246014-21			
B122157-MS3	B122157	QC	218		1246014-21			
B122157-MSD3	B122157	QC	219		1246014-21			
1246014-22	B122157	MeHg-B-KOH/Me	220			ENV-BN1201	12/6/2012	
1246014-23	B122157	MeHg-B-KOH/Me	221			ENV-BN1201	12/6/2012	
1246014-24	B122157	MeHg-B-KOH/Me	222			ENV-BN1201	12/6/2012	
1246014-25	B122157	MeHg-B-KOH/Me	223			ENV-BN1201	12/6/2012	
1200901-CCVJ	1200901	QC	224	1245074	-			
1200901-CCBN	1200901	QC	225		-			
1246014-26	B122157	MeHg-B-KOH/Me	226			ENV-BN1201	12/6/2012	
1246014-27	B122157	MeHg-B-KOH/Me	227			ENV-BN1201	12/6/2012	
1200901-CCVK	1200901	QC	228	1126033	-			
1200901-CCBO	1200901	QC	229		-			

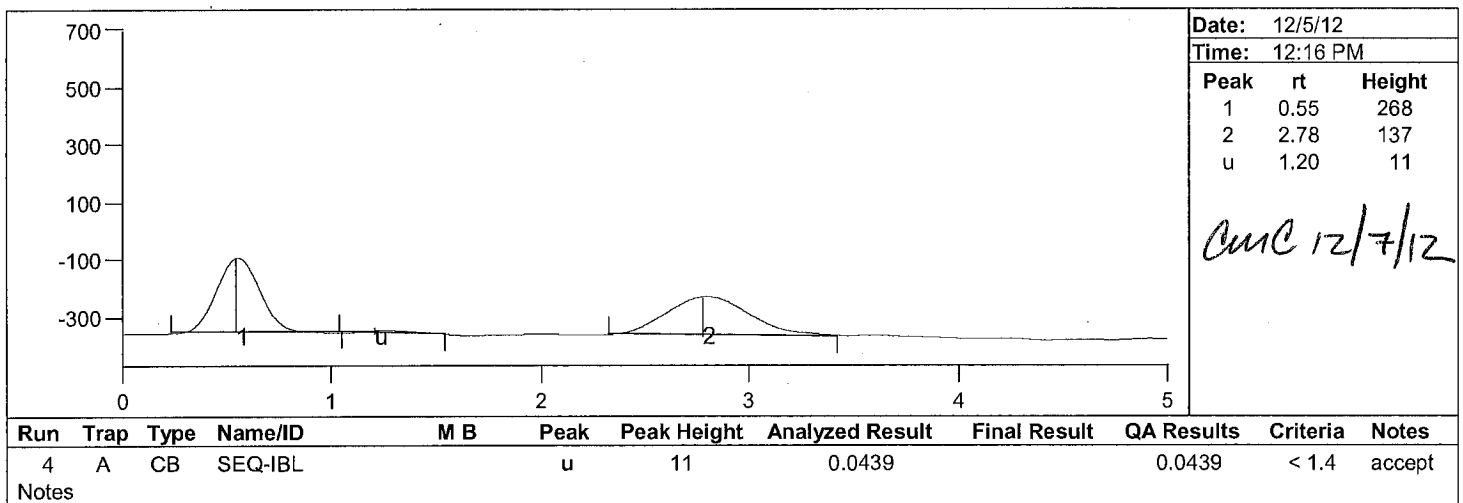
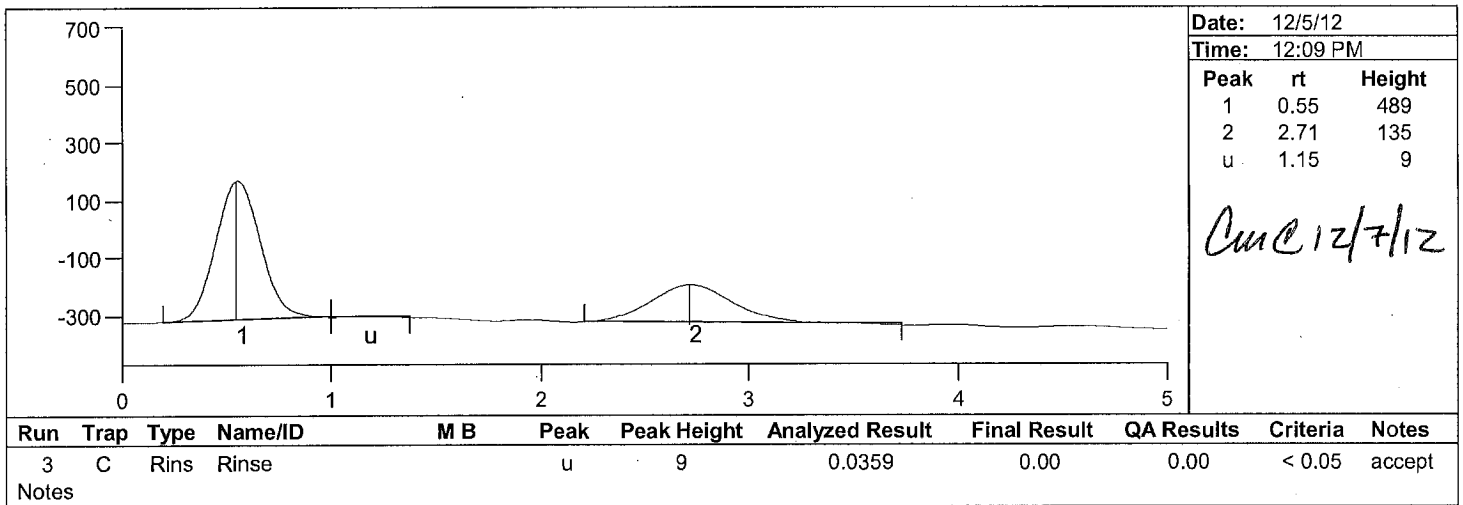
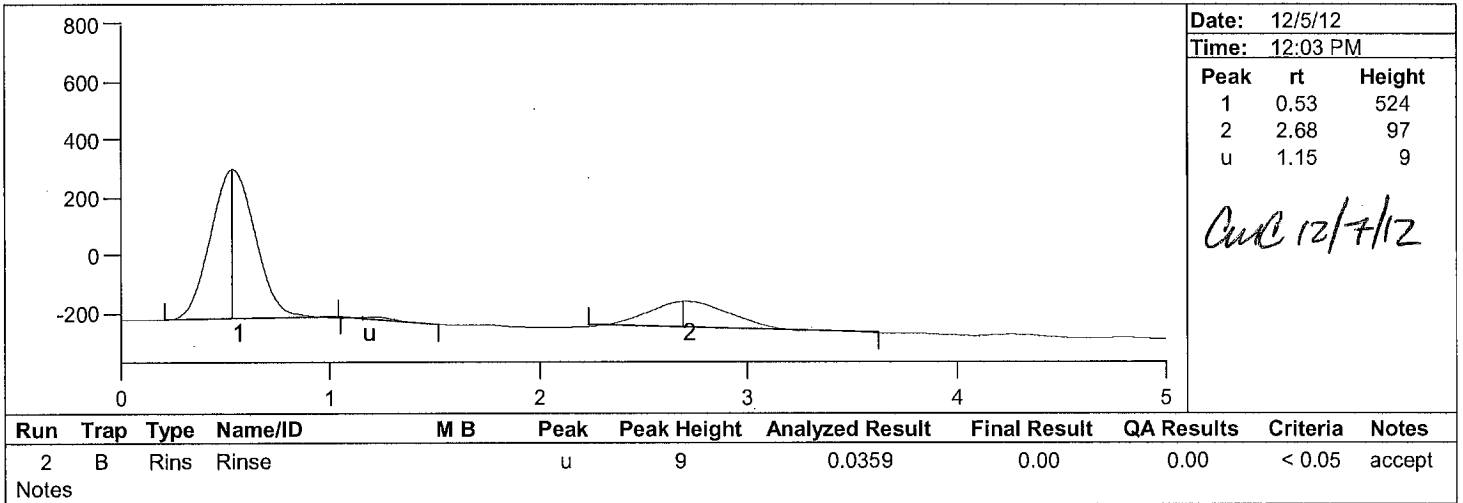
Peak Report

BRL Report 1245005

Batch Number: B122152, 2151,
Method Number: CVAFS BR-0011

Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
Analyst Name: BJT



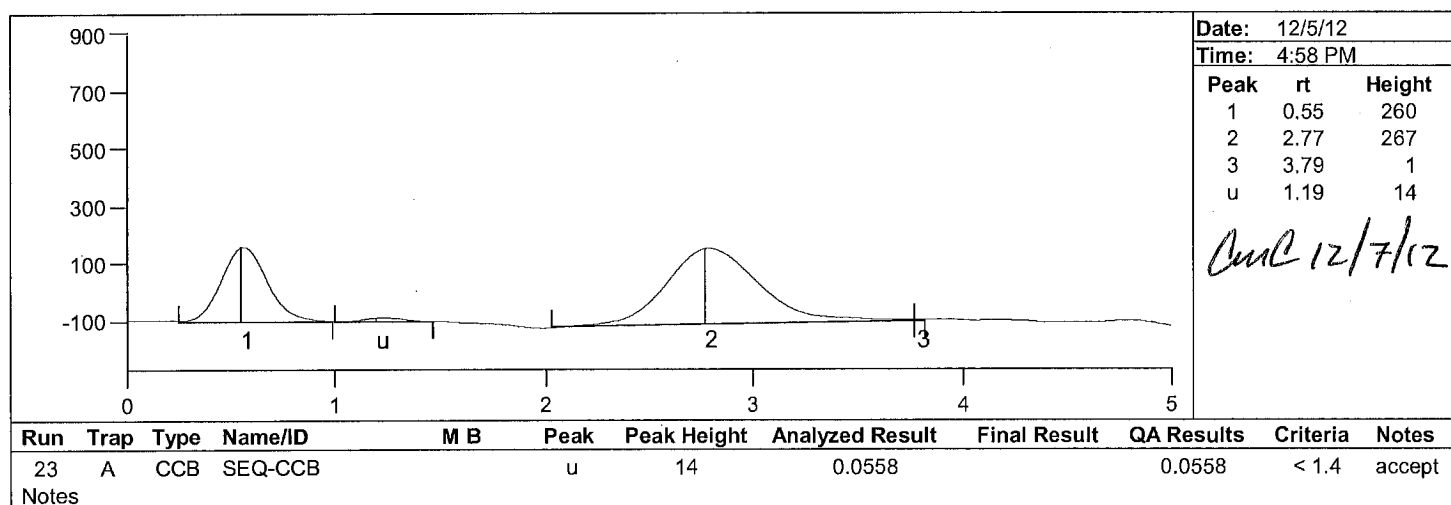
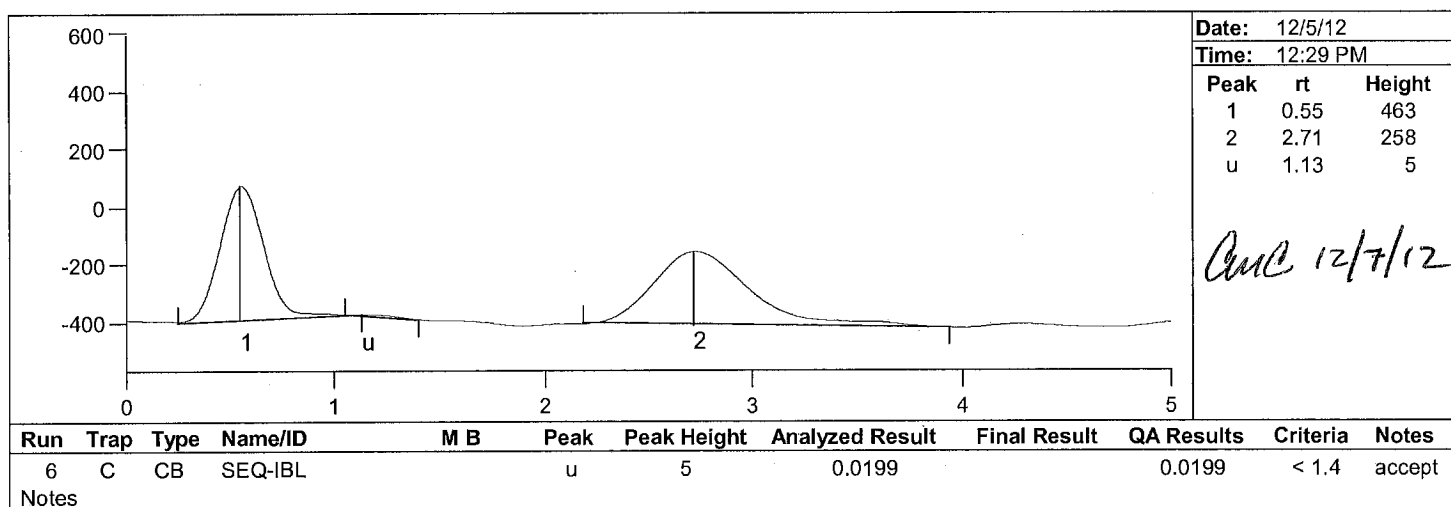
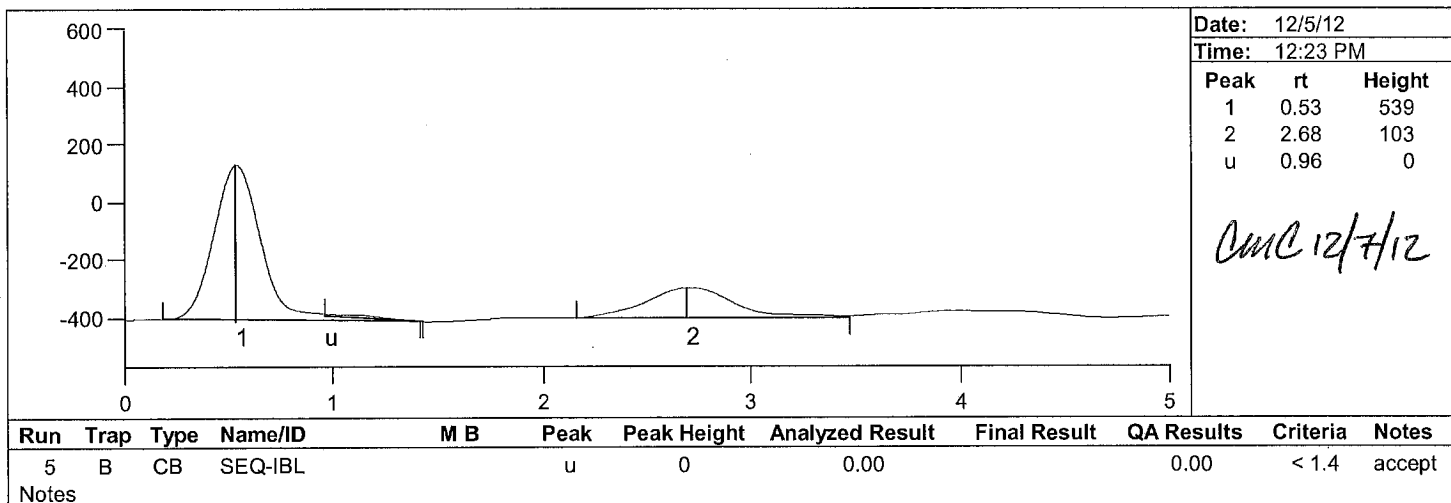
Peak Report

BRL Report 1245005

Batch Number: B122152, 2151,
Method Number: CVAFS BR-0011

Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
Analyst Name: BJT



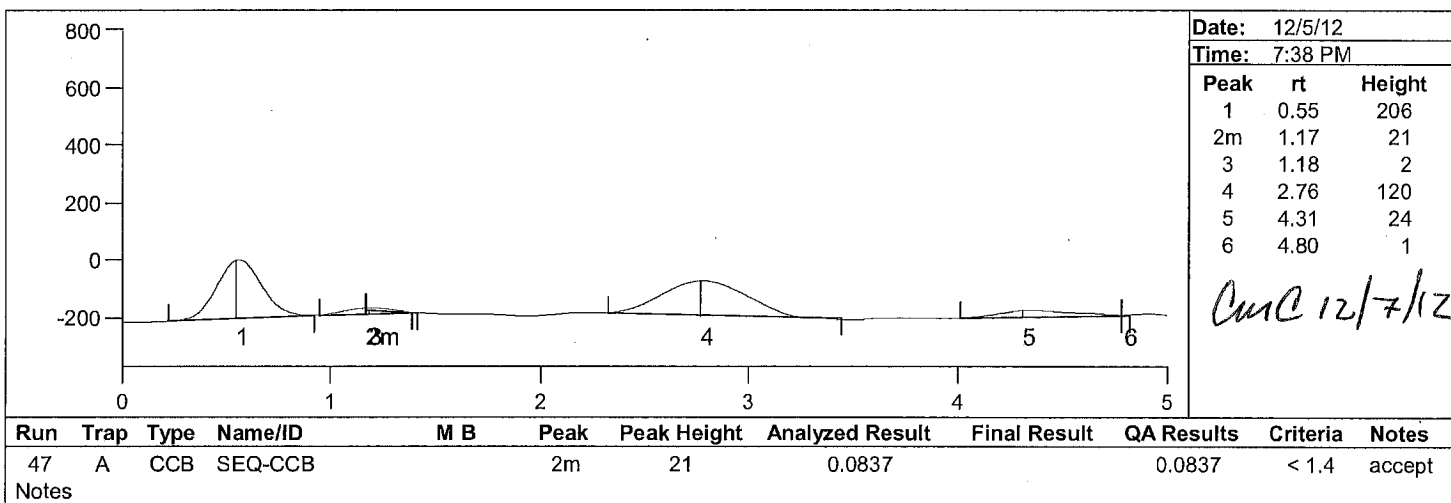
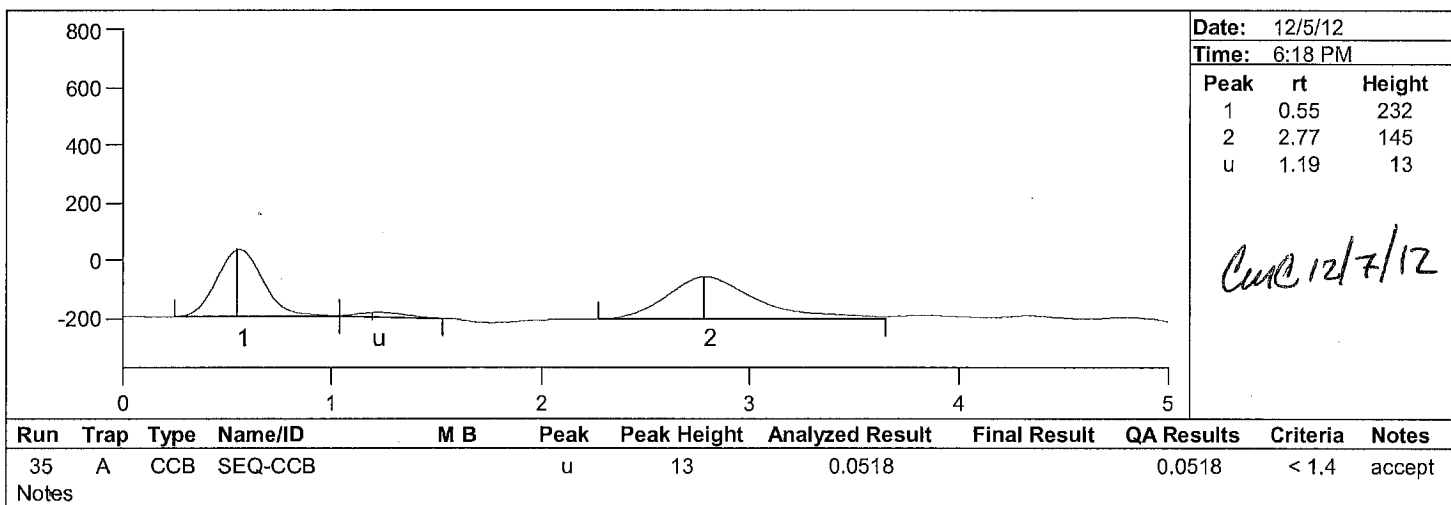
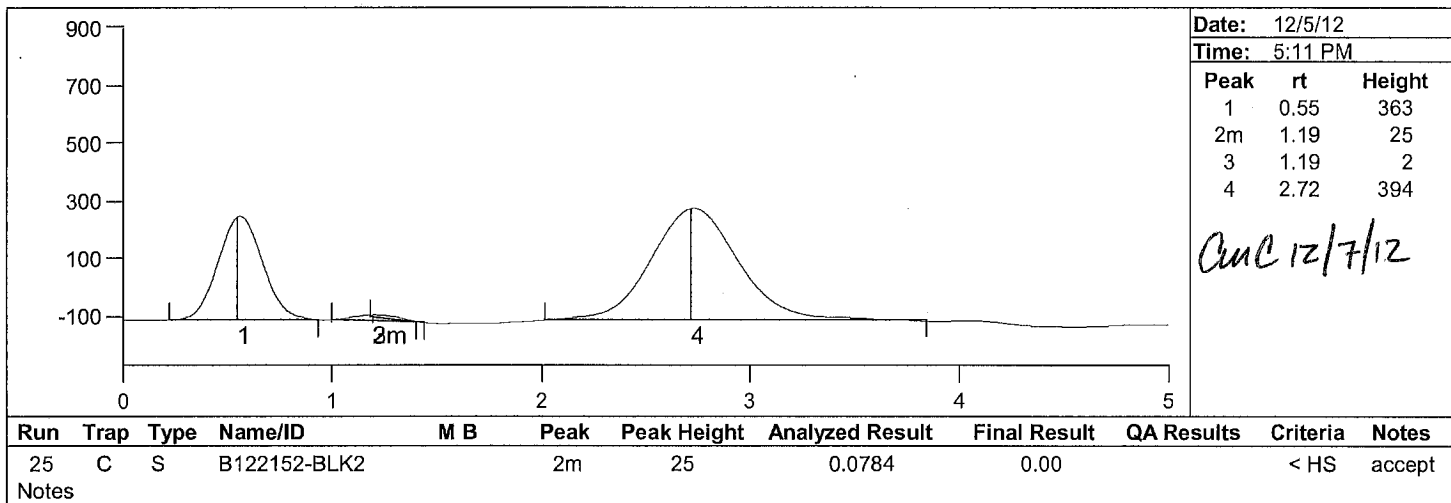
Peak Report

BRL Report 1245005

Batch Number: B122152, 2151,
Method Number: CVAFS BR-0011

Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
Analyst Name: BJT



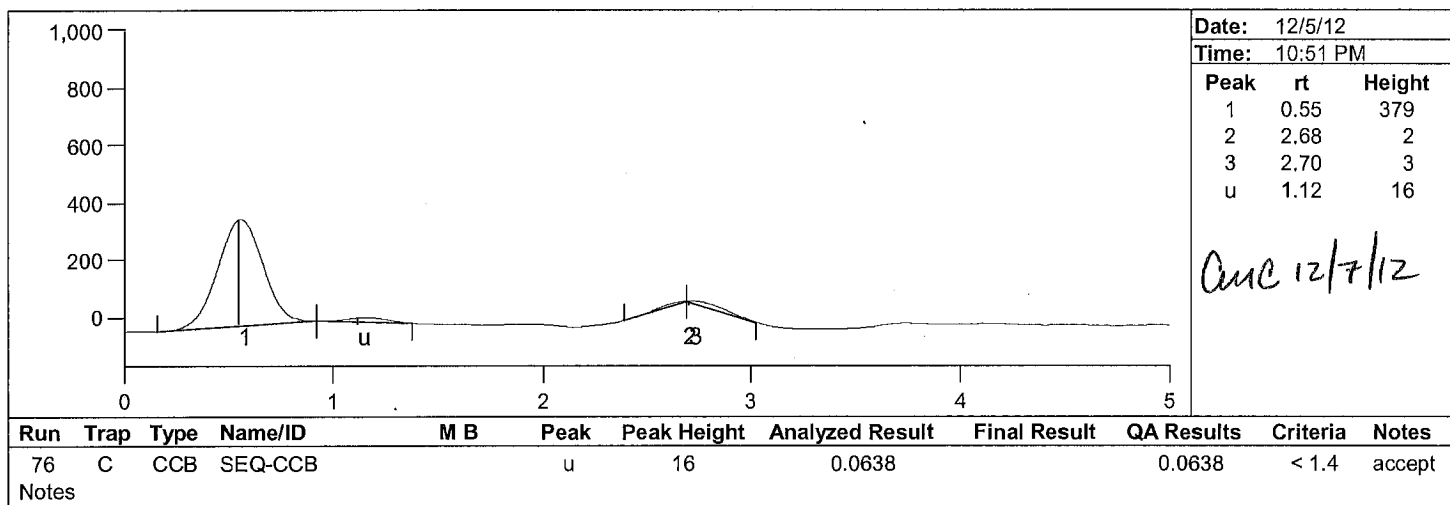
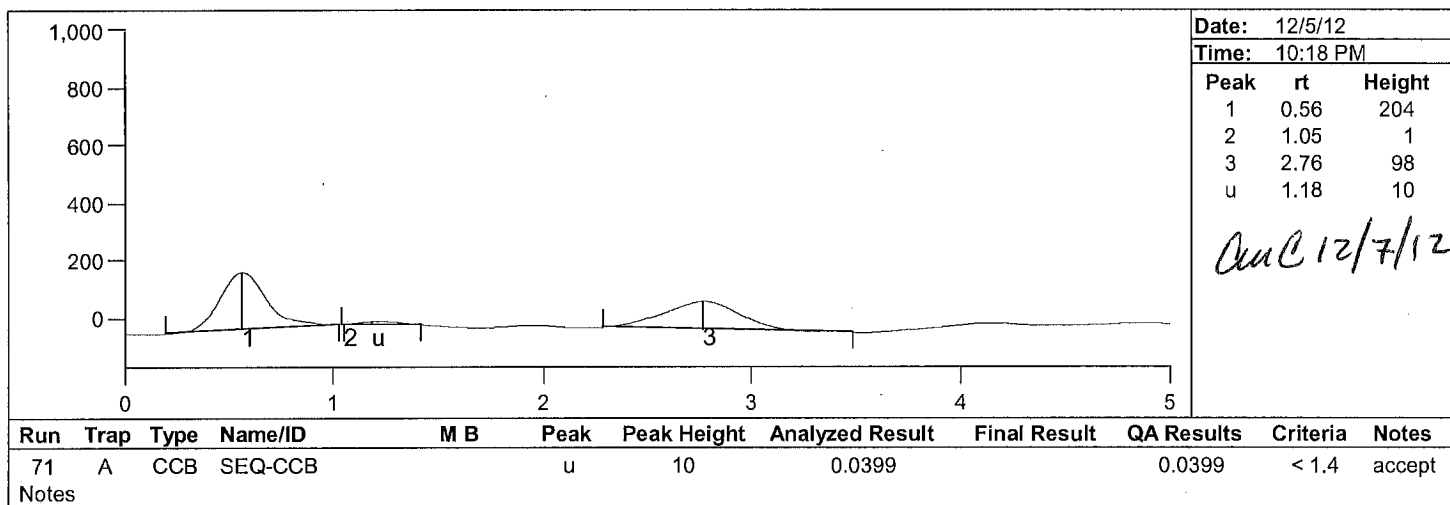
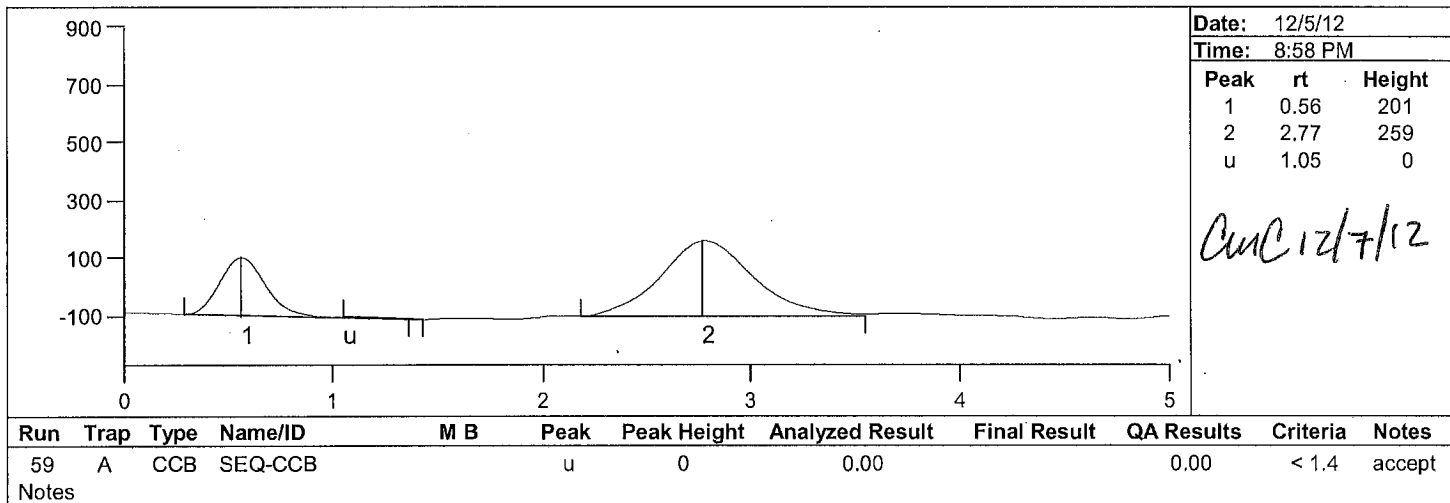
Peak Report

BRL Report 1245005

Batch Number: B122152, 2151,
Method Number: CVAFS BR-0011

Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
Analyst Name: BJT



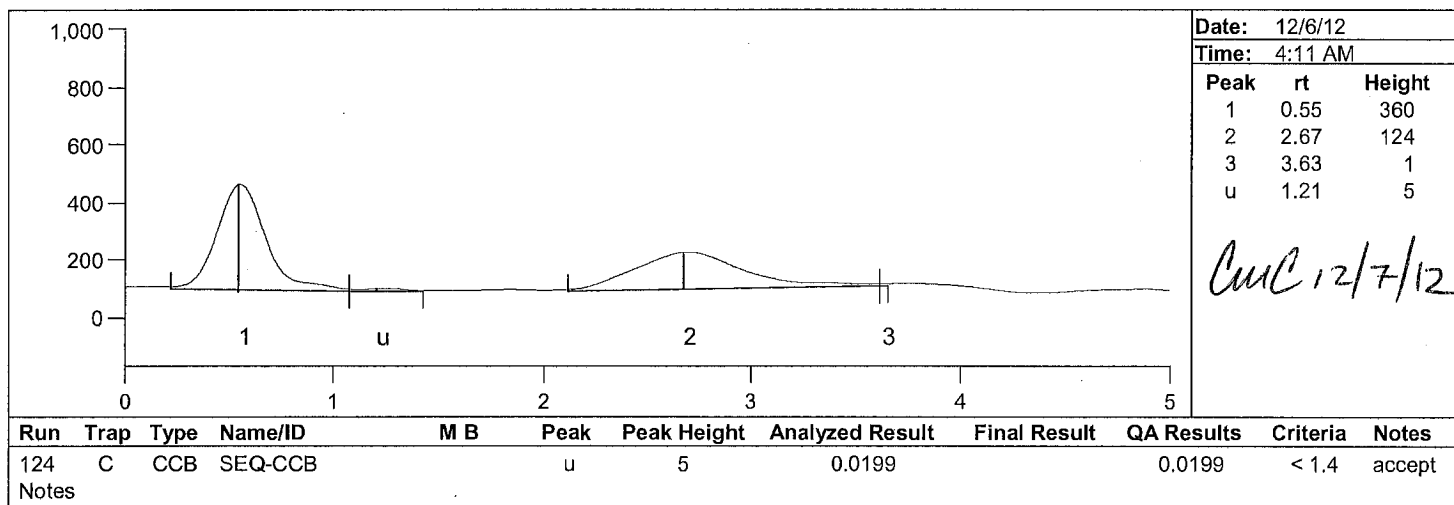
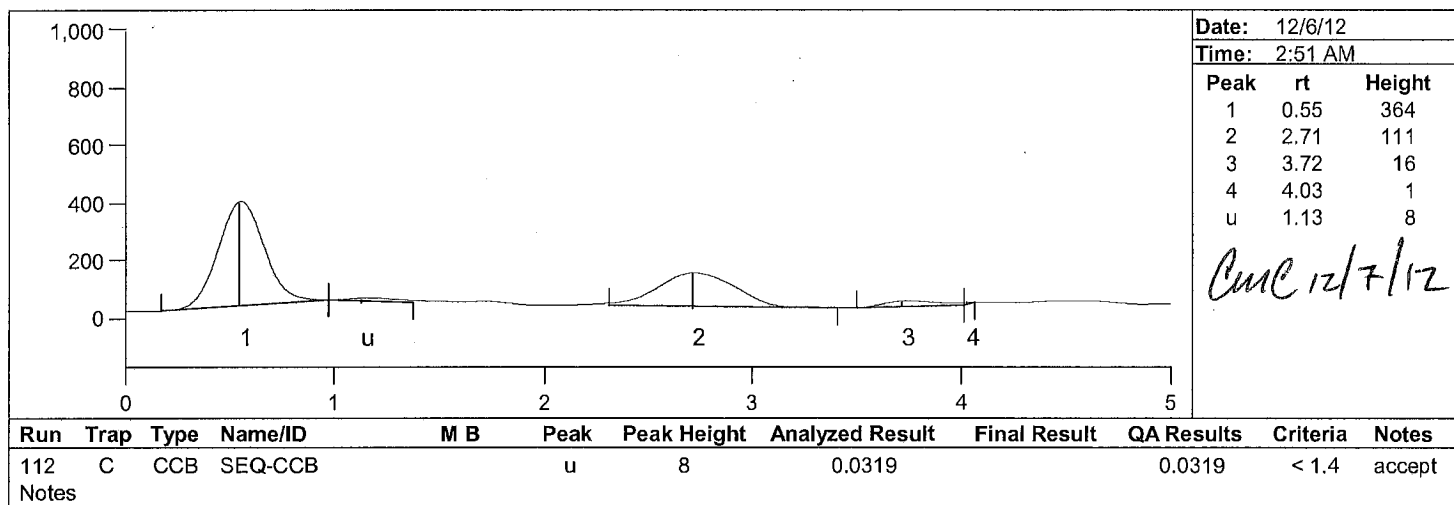
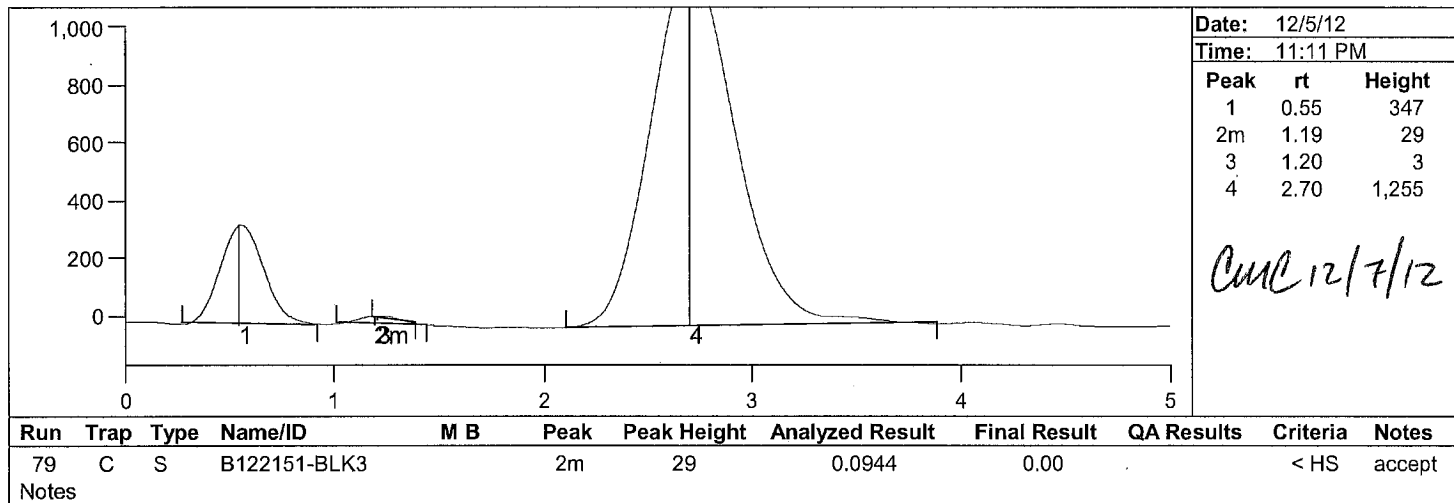
Peak Report

BRL Report 1245005

Batch Number: B122152, 2151,
Method Number: CVAFS BR-0011

Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
Analyst Name: BJT



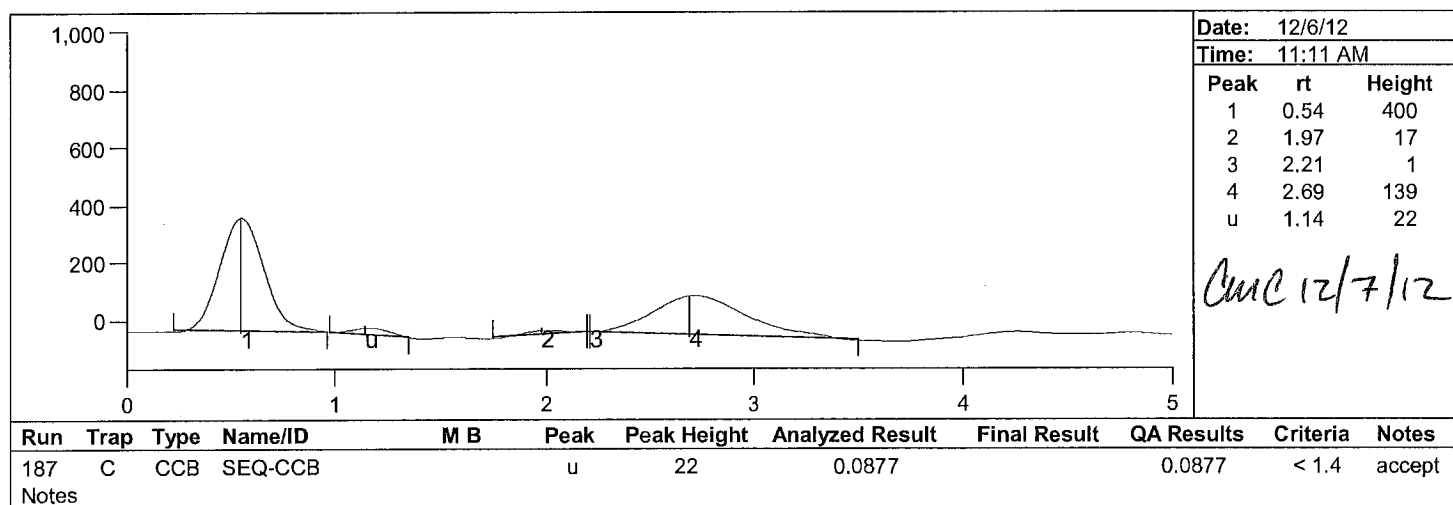
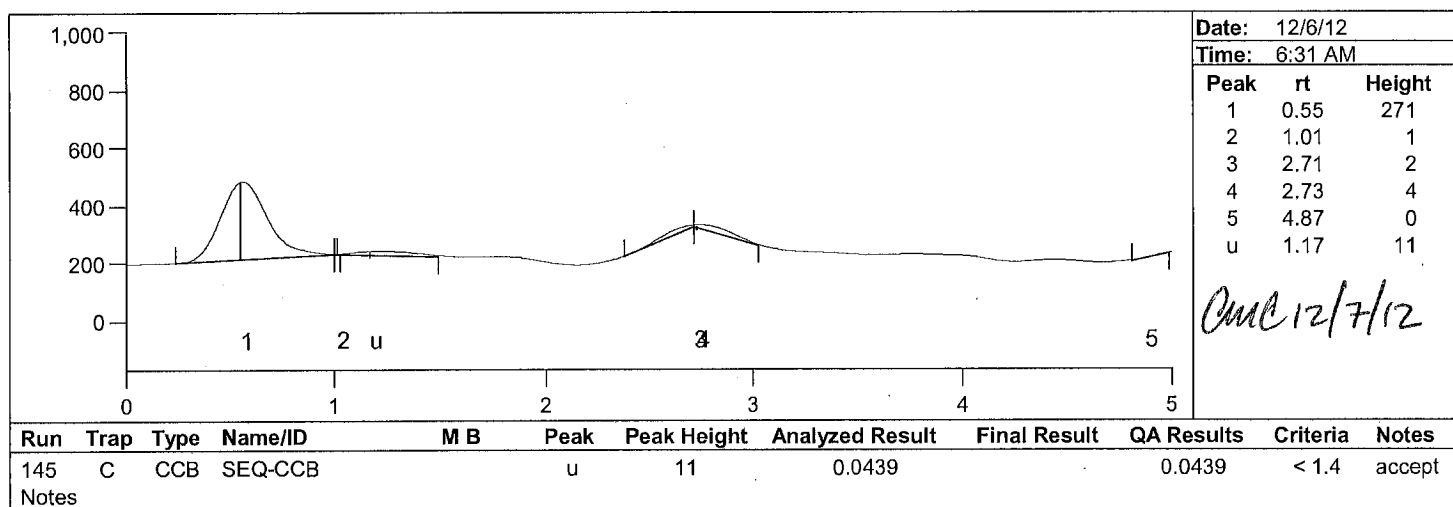
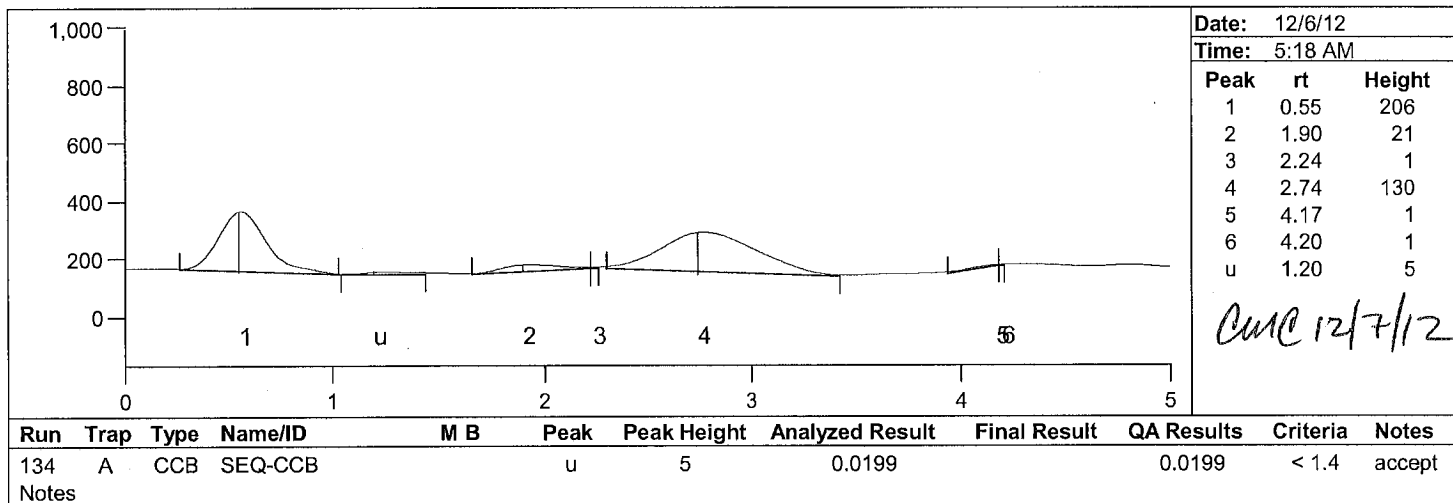
Peak Report

BRL Report 1245005

Batch Number: B122152, 2151,
Method Number: CVAFS BR-0011

Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
Analyst Name: BJT



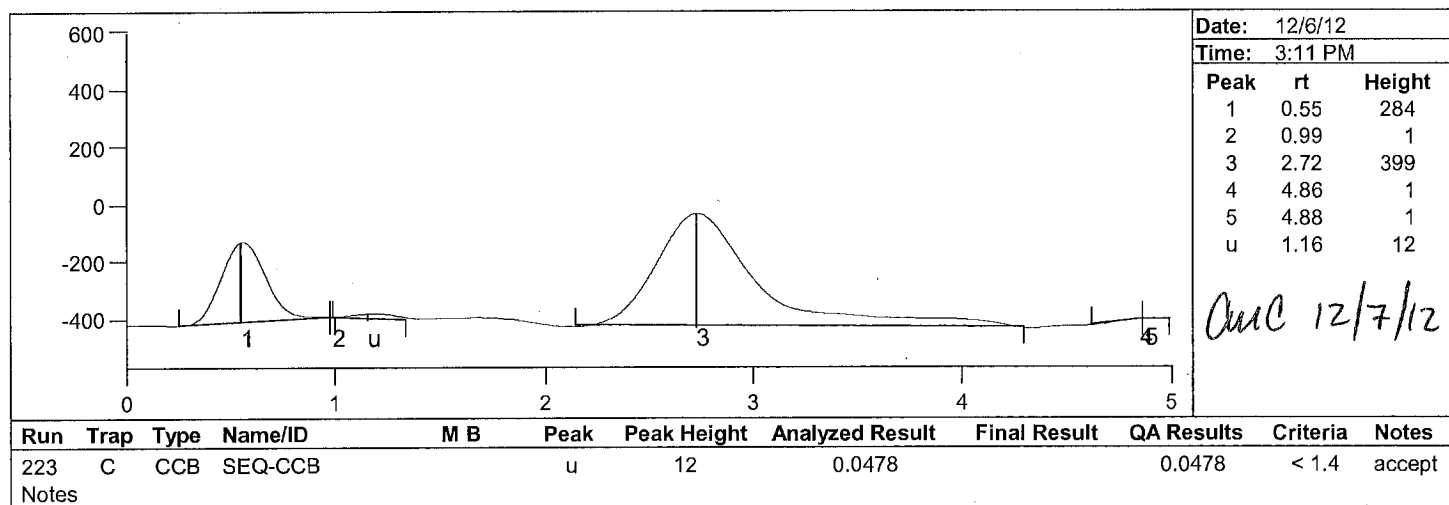
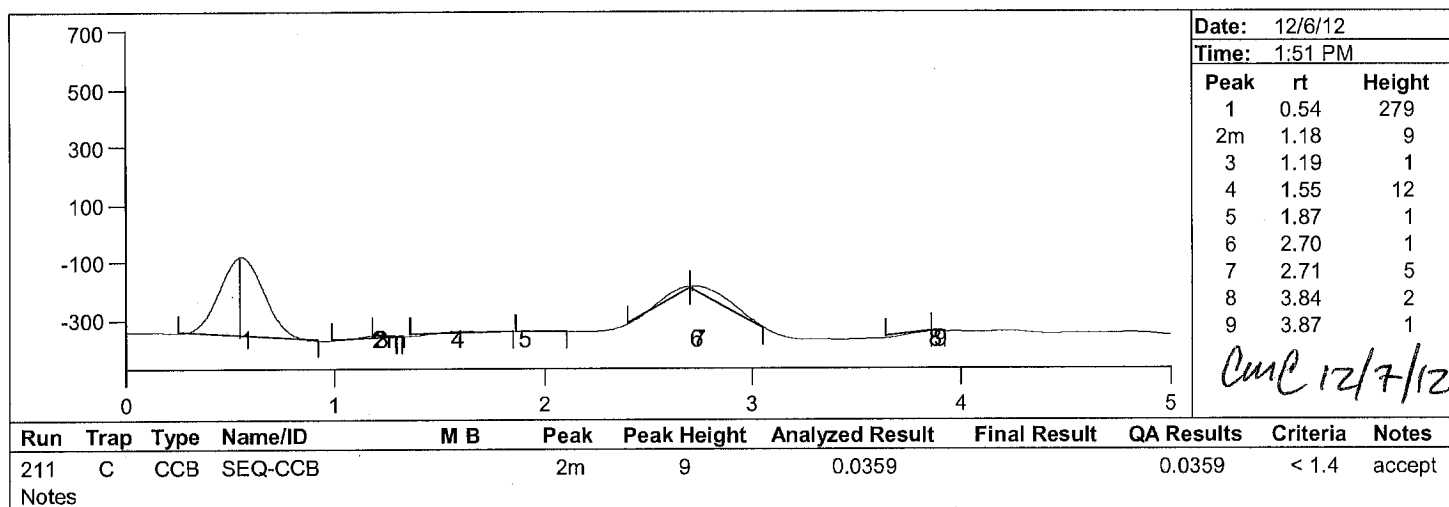
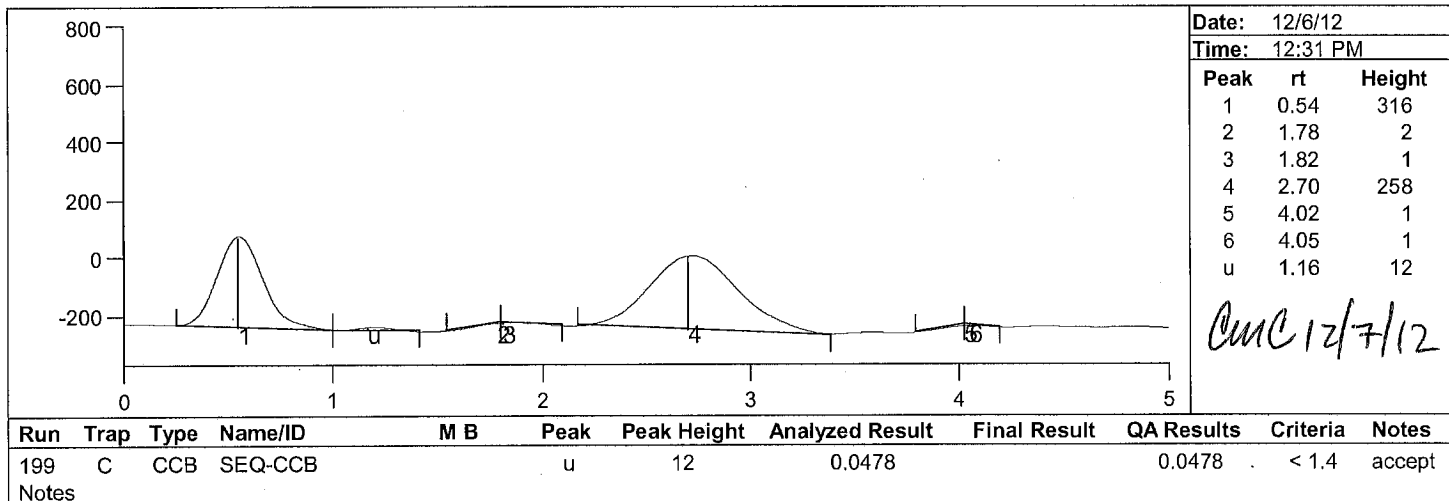
Peak Report

BRL Report 1245005

Batch Number: B122152, 2151,
Method Number: CVAFS BR-0011

Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
Analyst Name: BJT



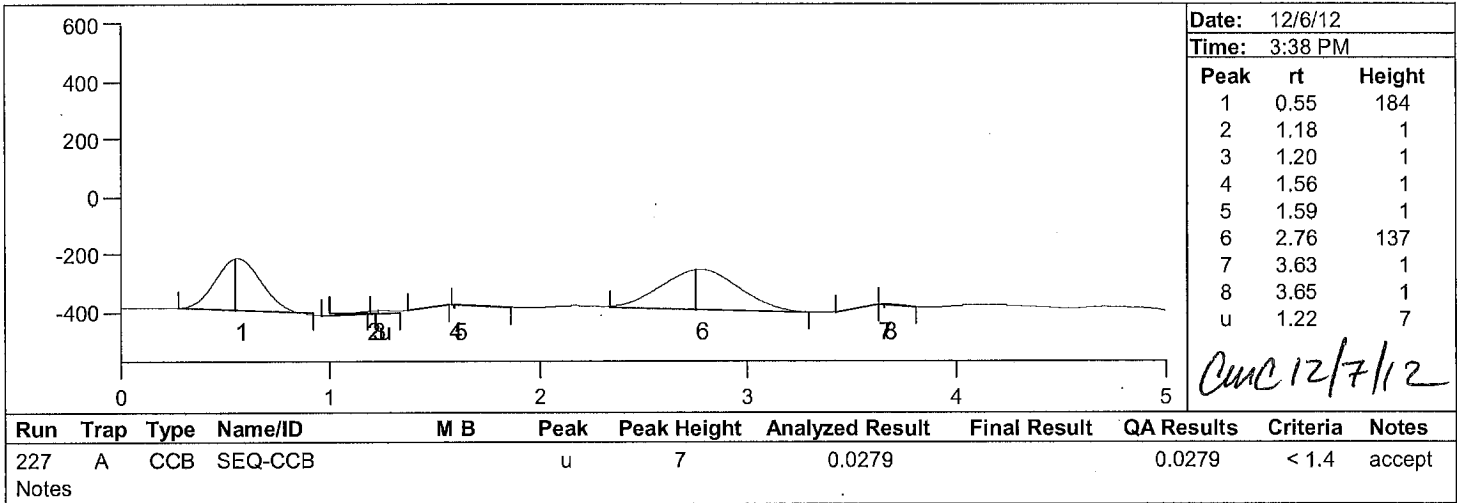
Peak Report

BRL Report 1245005

Batch Number: B122152, 2151,
Method Number: CVAFS BR-0011

Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
Analyst Name: BJT



MeHg Analysis Benchsheet: MeHg MERX-M

Sequence: <u>1200901</u>	Batches: <u>B122152, 2151, 2182, 2045, 2157</u>
Analyst: <u>BJT</u>	Date: <u>12/5/12</u> Instrument ID: <u>MMHG-09</u>

1 ng/mL std ID: <u>1245063</u>	NaBEt ₄ ID: <u>1249006</u>	Initial PMT: <u>703</u>
0.01 ng/mL std ID: <u>1245066</u>	Acetate Buffer ID: <u>1244042</u>	Initial Offset: <u>43438</u>
1 ng/mL ICV std ID: <u>1247017</u>		
Pipette ID (if used for sample aliquoting): MeHg Pipette Set		Balance ID: <u>BL02</u>

Run# / Pos#	BRL Sample ID	Analyze Vol (mL)	Dilution Factor	Analysis Comments / for spiked QC: Source ID, standard ID, and spike volume
1	Rinse	--		
2	Rinse	--		u
3	SEQ-IBL1	--		u
4	SEQ-IBL2	--		u
5	SEQ-IBL3	--		u
6	SEQ-IBL4	--		u
7	SEQ-CAL1	0.05		0.01 ng/mL
8	SEQ-CAL2	0.1		0.01 ng/mL
9	SEQ-CAL3	0.2		0.01 ng/mL
10	SEQ-CAL4	1		0.01 ng/mL
11	SEQ-CAL5	0.05		1 ng/mL
12	SEQ-CAL6	0.25		1 ng/mL
13	SEQ-CAL7	1		1 ng/mL
14	SEQ-CCB	--		
15	SEQ-ICV1	0.1		1ng/mL ICV standard
16	SEQ-CCB1	--		
17	SEQ-CCV	0.025		1 ng/mL
18	SEQ-CCB	--		
19	SEQ-CCB	--		
20	rinse	--		
21	rinse	--		
22	rinse	--		
23	SEQ-CCB	--		u
24	B122152-BLK1	26.71		2x buffer on all mettaw batches

	25	B122152-BLK2	26.97		m.			
	26	B122152-BLK3	25.94					
	27	B122152-BLK4	25.18					
	28	B122152-BS1	25.03					
	29	B122152-BS2	25.92					
	30	1244009-09RE1	27.14					
	31	1246021-36	26.67					
	32	1246021-37	27.9					
	33	1246021-38	29.24					
	34	SEQ-CCV	0.025		1 ng/mL			
	35	SEQ-CCB	--		u.			
	36	1246021-39	29.03					
	37	1246021-40	30.27					
	38	1246021-41	30.36					
	39	1246021-42	30.61					
	40	1246021-43	30.81					
	41	1246021-44	30.74					
	42	1246021-45	29.69					
	43	1246021-46	30.83					
	44	1246021-47	29.11					
	45	1246021-48	29.65					
	46	SEQ-CCV	0.025		1 ng/mL			
	47	SEQ-CCB	--		m.			
	48	1246021-49	30.56					

49	1246021-50	29.03					
50	1246021-51	29.34					
51	B122152-MS2	29.03					
52	1246021-52	29.55					
53	1246021-53	30.18					
54	B122152-MS1	29.34					
55	1246021-54	29.05					
56	1246021-55	29.49					
57	1246021-56	29.28					
58	SEQ-CCV	0.025		1 ng/mL			
59	SEQ-CCB	--		∞.			
60	1246021-57	30.64					
61	1246021-58	29.11					
62	1246021-59	30.62					
63	1246021-60	30.49					
64	1246021-61	29.72					
65	1246021-62	29.44					
66	1246021-63	29.15					
67	1247025-01	30.05					
68	B122152-MS3	30.11					
69	B122152-MSD3	30.04					
70	SEQ-CCV	0.025		1 ng/mL			
71	SEQ-CCB	--		∞.			
72	1247026-01	30.23					

73	B122152-MS4	30.67					
74	B122152-MSD4	30.83					
75	SEQ-CCV	0.025		1 ng/mL			
76	SEQ-CCB	--		u.			
77	B122151-BLK1	30.04					
78	B122151-BLK2	29.63					
79	B122151-BLK3	30.69		m.			
80	B122151-BLK4	29.24					
81	B122151-BS1	30.15					
82	B122151-BS2	29.83					
83	1245005-25	30.11					
84	B122151-MS4	29.05					
85	B122151-MSD4	30.54					
86	1245005-26	29.38					
87	SEQ-CCV	0.025		1 ng/mL			
88	SEQ-CCB	--					
89	1245020-01	29.98					
90	1245020-05	29.34					
91	B122151-MS1	29.48					
92	B122151-MSD1	29.6					
93	1245020-09	29.52					
94	1245020-13	29.6					
95	1246021-02	30.41					
96	1246021-03	29.09					

97	1246021-04	29.19					
98	1246021-05	29.4					
99	SEQ-CCV	0.025	1 ng/mL				
100	SEQ-CCB	--					
101	1246021-06	29.66					
102	B122151-MS2	29.77					
103	B122151-MSD2	29.92					
104	1246021-07	30.16					
105	1246021-08	30.02					
106	1246021-14	29.19					
107	1246021-15	29.51					
108	1246021-16	29.48					
109	1246021-17	30.16					
110	1246021-18	29.04					
111	SEQ-CCV	0.025	1 ng/mL				
112	SEQ-CCB	--	u.				
113	1246012-19	29.73					
114	1246012-20	30.6					
115	1246012-21	29.88					
116	1246012-22	29.74					
117	1246012-23	30.23					
118	B122151-MS3	29					
119	1246021-24	29.81					
120	1246021-25	30.24					

121	1246021-26	29.08					
122	1246021-27	29.57					
123	SEQ-CCV	0.025		1 ng/mL			
124	SEQ-CCB	--		u.			
125	1246021-28	29.6					
126	1246021-29	29.6					
127	1246021-30	29.36					
128	1246021-31	30.25					
129	1246021-32	29.71					
130	1246021-33	29.71					
131	1246021-34	29.79					
132	1246021-35	30.65					
133	SEQ-CCV	0.025		1 ng/mL			
134	SEQ-CCB	--		u.			
135	B122045-BLK1	5					
136	B122045-BLK2	5					
137	B122045-BLK3	5					
138	B122045-BLK4	5					
139	B122045-BS1	5					
140	B122045-BS2	5					
141	B122045-BS3	5					
142	B122045-BS4	5					
143	B122045-BS5	5					
144	SEQ-CCV	0.025		1 ng/mL			

145	SEQ-CCB	--		u.			
146	B122182-BLK1	5					
147	B122182-BLK2	5					
148	B122182-BLK3	5					
149	B122182-BLK4	5					
150	B122182-SRM1	5					
151	B122182-SRM2	5					
152	1246018-01	5					
153	1246018-02	5					
154	1246018-03	1					
155	B122182-DUP1	1					
156	SEQ-CCV	0.025		1 ng/mL			
157	SEQ-CCB	--					
158	B122182-MS1	1					
159	B122182-MSD1	1					
160	1246018-04	5					
161	1246018-05	5					
162	1246018-06	5					
163	1247010-15	1					
164	1247010-16	1					
165	1247010-17	1					
166	B122182-DUP2	1					
167	B122182-MS2	1					
168	SEQ-CCV	0.025		1 ng/mL			

1	169	SEQ-CCB	--				
2	170	B122182-MSD2	1				
3	171	1247010-18	1				
4	172	1246018-03RE1	5				
5	173	B122182-DUP3	5		1 ng/mL		
6	174	SEQ-CCV	0.025		1 ng/mL		
7	175	SEQ-CCB	--				
8	176	B122157-BLK1	0.03				
9	177	B122157-BLK2	0.03				
10	178	B122157-BLK3	0.03				
11	179	B122157-BLK4	0.03				
12	180	B122157-SRM1	0.03				
13	181	B122157-SRM2	0.03				
14	182	1246014-01	0.03				
15	183	B122157-DUP1	0.03				
16	184	B122157-MS1	0.03				
17	185	B122157-MSD1	0.03				
18	186	SEQ-CCV	0.025		1 ng/mL		
19	187	SEQ-CCB	--		u.		
20	188	1246014-02	0.03				
21	189	1246014-03	0.03				
22	190	1246014-04	0.03				
23	191	1246014-05	0.03				
24	192	1246014-06	0.03				

25	193	1246014-07	0.03		
26	194	1246014-08	0.03		
27	195	1246014-09	0.03		
28	196	1246014-10	0.03		
29	197	1246014-11	0.03		
30	198	SEQ-CCV	0.025		1 ng/mL
31	199	SEQ-CCB	--		u
32	200	B122157-DUP2	0.03		
33	201	B122157-MS2	0.03		
34	202	B122157-MSD2	0.03		
35	203	1246014-12	0.03		
36	204	1246014-13	0.03		
37	205	1246014-14	0.03		
38	206	1246014-15	0.03		
39	207	1246014-16	0.03		
40	208	1246014-17	0.03		
41	209	1246014-18	0.03		
42	210	SEQ-CCV	0.025		1 ng/mL
43	211	SEQ-CCB	--		m
44	212	1246014-19	0.03		
45	213	1246014-20	0.03		
46	214	1246014-21	0.03		
47	215	B122157-DUP3	0.03		
48	216	B122157-MS3	0.03		

49	217	B122157-MSD3	0.03		
50	218	1246014-22	0.03		
51	219	1246014-23	0.03		
52	220	1246014-24	0.03		
53	221	1246014-25	0.03		
54	222	SEQ-CCV	0.025		1 ng/mL
55	223	SEQ-CCB	--		u.
56	224	1246014-26	0.03		
57	225	1246014-27	0.03		
58	226	SEQ-CCV	0.025		1 ng/mL
59	227	SEQ-CCB	--		u.
60	228	1NG/ML OLD	0.025		
61	229	1NG/ML OLD	0.025		
62	230	1NG/ML OLD	0.025		
63	231	1NG/ML NEW	0.025		
64	232	1NG/ML NEW	0.025		
65	233	1NG/ML NEW	0.025		
66	234	10NG/ML OLD	0.025		
67	235	10NG/ML OLD	0.025		
68	236	10NG/ML OLD	0.025		
69	237	10NG/ML NEW	0.025		
70	238	10NG/ML NEW	0.025		
71	239	10NG/ML NEW	0.025		
72	240	ICV OLD	0.1		

73	241	ICV OLD	0.1		
74	242	ICV OLD	0.1		
75	243	ICV NEW	0.1		
76	244	ICV NEW	0.1		
77	245	ICV NEW	0.1		
78	246	WASTE	—		
79	247				
80	248				
81	249				
82	250				
83	251				
84	252				
85	253				
86	254			12/7/2001	
87	255				
88	256				
89	257				
90	258				
91	259				
92	260				
93	261				
94	262				
95	263				
96	264				

All cells had to be shifted around.
 This copy has the hand written weights
 the other copy has empty else.

MeHg Analysis Benchsheet: MeHg MERX-M

Sequence: 1200901 Batches: B122152, 2151, 2182, 2045, 2157
 Analyst: BJT Date: 12/5/12 Instrument ID: MMHG-09

1 ng/mL std ID: 1245063 NaBEt₄ ID: 1249006 Initial PMT: 703
 0.01 ng/mL std ID: 1245066 Acetate Buffer ID: 1244042 Initial Offset: 43438
 1 ng/mL ICV std ID: 1247017
 Pipette ID (if used for sample aliquoting): MeHg Pipette Set Balance ID: BLO2

Run# / Pos #	BRL Sample ID	Analyze Vol (mL)	Dilution Factor	Analysis Comments / for spiked QC: Source ID, standard ID, and spike volume
1	Rinse	--		#03 start @ 0940
2	Rinse	--		
3	SEQ-IBL1	--		
4	SEQ-IBL2	--		
5	SEQ-IBL3	--		
6	SEQ-IBL4	--		
7	SEQ-CAL1	0.05		0.01 ng/mL
8	SEQ-CAL2	0.1		0.01 ng/mL
9	SEQ-CAL3	0.2		0.01 ng/mL
10	SEQ-CAL4	1		0.01 ng/mL
11	SEQ-CAL5	0.05		1 ng/mL
12	SEQ-CAL6	0.25		1 ng/mL
13	SEQ-CAL7	1		1 ng/mL
14	SEQ-CCB	--		
15	SEQ-ICV1	0.1		1ng/mL ICV standard
16	SEQ-CCB1	--		
17	SEQ-CCV	0.025		1 ng/mL
18	SEQ-CCB	--		
19	SEQ-CCB	--		
20	SEQ-CCB	--	12.6/12 BJT	
21	B122152-BLK1	29.28	26.71	* 2x buffer in ALL MeHgW batches
22	B122152-BLK2	29.94	26.97	
23	B122152-BLK3	30.31	25.94	
24	B122152-BLK4	30.25	25.18	

X3
 REUSE
 RUN
 ALIQUOTED
 BY
 MEM.

#02 @
 1535

25	B122152-BS1	29.37	25.03	
26	B122152-BS2	29.10	25.92	
27	1244009-09RE1	29.80	27.14	
28	1246021-36	29.79	26.67	
29	1246021-37	29.70	27.90	
30	1246021-38	29.24		
31	SEQ-CCV	0.025		1 ng/mL
32	SEQ-CCB	--		
33	1246021-39	29.03		
34	1246021-40	30.27		
35	1246021-41	30.36		
36	1246021-42	30.61		
37	1246021-43	30.81		
38	1246021-44	30.74		
39	1246021-45	29.69		
40	1246021-46	30.83		
41	1246021-47	29.11		
42	1246021-48	29.65		
43	SEQ-CCV	0.025		1 ng/mL
44	SEQ-CCB	--		
45	1246021-49	30.56		
46	1246021-50	29.03		
47	1246021-51	29.34		
48	B122152-MS2	29.03		

49	1246021-52	29.55		
50	1246021-53	30.18		
51	B122152-MS1	29.34		
52	1246021-54	29.05		
53	1246021-55	29.49		
54	1246021-56	29.28		
55	SEQ-CCV	0.025		1 ng/mL
56	SEQ-CCB	--		
57	1246021-57	30.64		
58	1246021-58	29.11		
59	1246021-59	30.62		
60	1246021-60	30.49		
61	1246021-61	29.72		
62	1246021-62	29.44		
63	1246021-63	29.15		
64	1247025-01	30.05		
65	B122152-MS3	30.11		
66	B122152-MSD3	30.04		
67	SEQ-CCV	0.025		1 ng/mL
68	SEQ-CCB	--		
69	1247026-01	30.23		
70	B122152-MS4	30.67		
71	B122152-MSD4	30.83		
72	SEQ-CCV	0.025		1 ng/mL

73	SEQ-CCB	--		
74	B122151-BLK1	30.04		#24 start @ 1345
75	B122151-BLK2	29.63		
76	B122151-BLK3	30.69		
77	B122151-BLK4	29.24		
78	B122151-BS1	30.15		
79	B122151-BS2	29.83		
80	1245005-25	30.11		
81	B122151-MS4	29.05		
82	B122151-MSD4	30.54		
83	1245005-26	29.38		
84	SEQ-CCV	0.025		1 ng/mL
85	SEQ-CCB	--		
86	1245020-01	29.98		
87	1245020-05	29.34		
88	B122151-MS1	29.48		
89	B122151-MSD1	29.60		
90	1245020-09	29.52		
91	1245020-13	29.60		
92	1246021-02	30.41		
93	1246021-03	29.09		
94	1246021-04	29.19		
95	1246021-05	29.40		
96	SEQ-CCV	0.025		1 ng/mL

97	SEQ-CCB	--		
98	1246021-06	29.66		
99	B122151-MS2	29.77		
100	B122151-MSD2	29.92		
101	1246021-07	30.16		
102	1246021-08	30.02		
103	1246021-14	29.19		
104	1246021-15	29.51		
105	1246021-16	29.48		
106	1246021-17	30.16		
107	1246021-18	29.04		
108	SEQ-CCV	0.025		1 ng/mL
109	SEQ-CCB	--		
110	1246012-19	29.73		
111	1246012-20	30.60		
112	1246012-21	29.88		
113	1246012-22	29.74		
114	1246012-23	30.23		
115	B122151-MS3	29.00		
116	1246021-24	29.81		
117	1246021-25	30.24		
118	1246021-26	29.08		
119	1246021-27	29.57		
120	SEQ-CCV	0.025		1 ng/mL

121	SEQ-CCB	--		
122	1246021-28	29.60		
123	1246021-29	29.60		
124	1246021-30	29.36		
125	1246021-31	30.25		
126	1246021-32	29.71		
127	1246021-33	29.71		
128	1246021-34	29.79		
129	1246021-35	30.65		
130	SEQ-CCV	0.025		1 ng/mL
131	SEQ-CCB	--		
132	B122045-BLK1	5		
133	B122045-BLK2	5		
134	B122045-BLK3	5		
135	B122045-BLK4	5		
136	B122045-BS1	5		
137	B122045-BS2	5		
138	B122045-BS3	5		
139	B122045-BS4	5		
140	B122045-BS5	5		
141	SEQ-CCV	0.025		1 ng/mL
142	SEQ-CCB	--		
143	B122182-BLK1	5		
144	B122182-BLK2	5		

145	B122182-BLK3	5		
146	B122182-BLK4	5		
147	B122182-SRM1	5		
148	B122182-SRM2	5		
149	1246018-01	5		
150	1246018-02	5		
151	1246018-03	1		
152	B122182-DUP1	1		
153	SEQ-CCV	0.025		1 ng/mL
154	SEQ-CCB	--		
155	B122182-MS1	1		
156	B122182-MSD1	1		
157	1246018-04	5		
158	1246018-05	5		
159	1246018-06	5		
160	1247010-15	1		
161	1247010-16	1		
162	1247010-17	1		
163	B122182-DUP2	1		
164	B122182-MS2	1		
165	SEQ-CCV	0.025		1 ng/mL
166	SEQ-CCB	--		
167	B122182-MSD2	1		
168	1246018-03RE1	5		

#18

1	169	B122182-DUP3	5		
2	170	SEQ-CCV	0.025		1 ng/mL
3	171	SEQ-CCB	--		
4	172	B122157-BLK1	0.03		
5	173	B122157-BLK2	0.03		
6	174	B122157-BLK3	0.03		
7	175	B122157-BLK4	0.03		
8	176	B122157-SRM1	0.03		
9	177	B122157-SRM2	0.03		
10	178	1246014-01	0.03		
11	179	B122157-DUP1	0.03		
12	180	B122157-MS1	0.03		
13	181	B122157-MSD1	0.03		
14	182	SEQ-CCV	0.025		1 ng/mL
15	183	SEQ-CCB	--		
16	184	1246014-02	0.03		
17	185	1246014-03	0.03		
18	186	1246014-04	0.03		
19	187	1246014-05	0.03		
20	188	1246014-06	0.03		
21	189	1246014-07	0.03		
22	190	1246014-08	0.03		
23	191	1246014-09	0.03		
24	192	1246014-10	0.03		

25	193	1246014-11	0.03					
26	194	SEQ-CCV	0.025		1 ng/mL			
27	195	SEQ-CCB	--					
28	196	B122157-DUP2	0.03					
29	197	B122157-MS2	0.03					
30	198	B122157-MSD2	0.03					
31	199	1246014-12	0.03					
32	200	1246014-13	0.03					
33	201	1246014-14	0.03					
34	202	1246014-15	0.03					
35	203	1246014-16	0.03					
36	204	1246014-17	0.03					
37	205	1246014-18	0.03					
38	206	SEQ-CCV	0.025		1 ng/mL			
39	207	SEQ-CCB	--					
40	208	1246014-19	0.03					
41	209	1246014-20	0.03					
42	210	1246014-21	0.03					
43	211	B122157-DUP3	0.03					
44	212	B122157-MS3	0.03					
45	213	B122157-MSD3	0.03					
46	214	1246014-22	0.03					
47	215	1246014-23	0.03					
48	216	1246014-24	0.03					

49	217	1246014-25	0.03		
50	218	SEQ-CCV	0.025		1 ng/mL
51	219	SEQ-CCB	--		
52	220	1246014-26	0.03		
53	221	1246014-27	0.03		
54	222	SEQ-CCV	0.025		1 ng/mL
55	223	SEQ-CCB	--		
56	224	1NG/ML OLD	0.025		
57	225	1NG/ML OLD	0.025		
58	226	1NG/ML OLD	0.025		
59	227	1NG/ML NEW	0.025		
60	228	1NG/ML NEW	0.025		
61	229	1NG/ML NEW	0.025		
62	230	10NG/ML OLD	0.025		
63	231	10NG/ML OLD	0.025		
64	232	10NG/ML OLD	0.025		
65	233	10NG/ML NEW	0.025		
66	234	10NG/ML NEW	0.025		
67	235	10NG/ML NEW	0.025		
68	236	ICV OLD	0.1		
69	237	ICV OLD	0.1		
70	238	ICV OLD	0.1		
71	239	ICV NEW	0.1		
72	240	ICV NEW	0.1		

73	241	ICV NEW	0.1		
74	242				
75	243				
76	244				
77	245				
78	246				
79	247				
80	248				
81	249				
82	250				
83	251				
84	252				
85	253				
86	254				
87	255				
88	256				
89	257				
90	258				
91	259				
92	260				
93	261				
94	262				
95	263				
96	264				

12/16/12
VBT

Brooks Rand Labs

MMHg Water Prep Benchsheet

SOP/Rev #: BR-0011/0130

Batch: B122151

Prepped By: ^{LAP} ~~12-4-12~~ B122151

Prep Date: ~~12-4-12~~ 12-14-12

Sample ID	Sample Mass (g)	Slot #	Time On	Time Off	pH	Sample ID	Sample Mass (g)	Slot #	Time On	Time Off	pH
1245005-25	10.121	1	0930	1144	2	1246021-26	49.513	26	0905	1216	2.5
1245005-26	0.602	2		1038	4.5	1246021-27	49.845	27		1124	3
1245020-01	10.762	3		1144	3.5	1246021-28	49.529	28		1216	2.5
1245020-05	10.203	4		1038	↓	1246021-29	50.186	29		↓	3
1245020-09	10.182	5		1038	↓	1246021-30	50.321	30		1216	2.5
1245020-13	10.184	6		1038	2	1246021-31	42.252	41	0922	↓	↓
1246021-02	50.663	8		1144	4	1246021-32	27.388	42		1124	2
1246021-03	50.269	7		1038	3.5	1246021-33	34.829	43		1216	↓
1246021-04	49.416	9		1109	↓	1246021-34	49.990	44		1144	2.5
1246021-05	50.360	10		1038	↓	1246021-35	34.338	45		1124	2
1246021-06	50.230	11	0947	1109	↓	B122151-BLK1	49.044	46		1216	4
1246021-07	49.426	12		1109	↓	B122151-BLK2	50.213	47		1124	↓
1246021-08	49.267	13		1144	↓	B122151-BLK3	49.568	48		1144	3.5
1246021-14	46.388	14		1124	2	B122151-BLK4	49.902	49		1216	↓
1246021-15	49.847	15		1038	↓	B122151-BS1	50.337	31	1032	1335	↓
1246021-16	49.386	16		1109	3.5	B122151-BS2	50.581	32		1309	↓
1246021-17	49.278	17		1144	2.5	B122151-MS1	10.314	33		1309	2.5
1246021-18	49.100	18		↓	↓	B122151-MS2	49.159	34		1335	4
1246021-19	49.240	19		1216	↓	B122151-MS3	37.152	35		↓	3
1246021-20	49.662	20		1144	↓	B122151-MS4	10.811	36		1309	2.5
1246021-21	50.985	21	0905	1216	↓	B122151-MSD1	10.218	37		↓	3
1246021-22	49.389	22		1216	↓	B122151-MSD2	49.582	38		1309	↓
1246021-23	30.437	23		1216	↓	B122151-MSD3					
1246021-24	49.300	24		1144	2	B122151-MSD4	10.702	39		1335	2.5
1246021-25	49.614	25		1124	↓						

1246021-08 - tubing discarded broken @ 1144, distillate was 5-7m in from being fully distilled

Batch QC ID	Source	Spike vol (uL)	Spike conc (ng/mL)	Spike ID	Spike Witness	Reagent	ID
BS 1/2	50 124-2005	150	1	1245063	12-4-12 B1	0.5 mL H2SO4	1249005
MS/D1	20-05	350	0.1	1245056 ^o		0.2 mL KCL/L-cysteine	1245025
2	21-06	50	1	1245063		HCl	1237109
3	21-23	300	0.1	1245066 ^o		Hot Block Temp	138°C
4	05-25	180	1	1245063		Final Dilution Vol	58mL
						Balance ID	BL-07

Comments: ① should be 65, bottle was labeled incorrectly - ^{Cap} 12/10/12

1245005 - 10mL sample + up to 50±1mL w/DIW

1245020 -

1246021 - some samples have limited vol.: sample exhausted (re) 3 brought up to 50±1mL w/DIW as per Frank's instruction

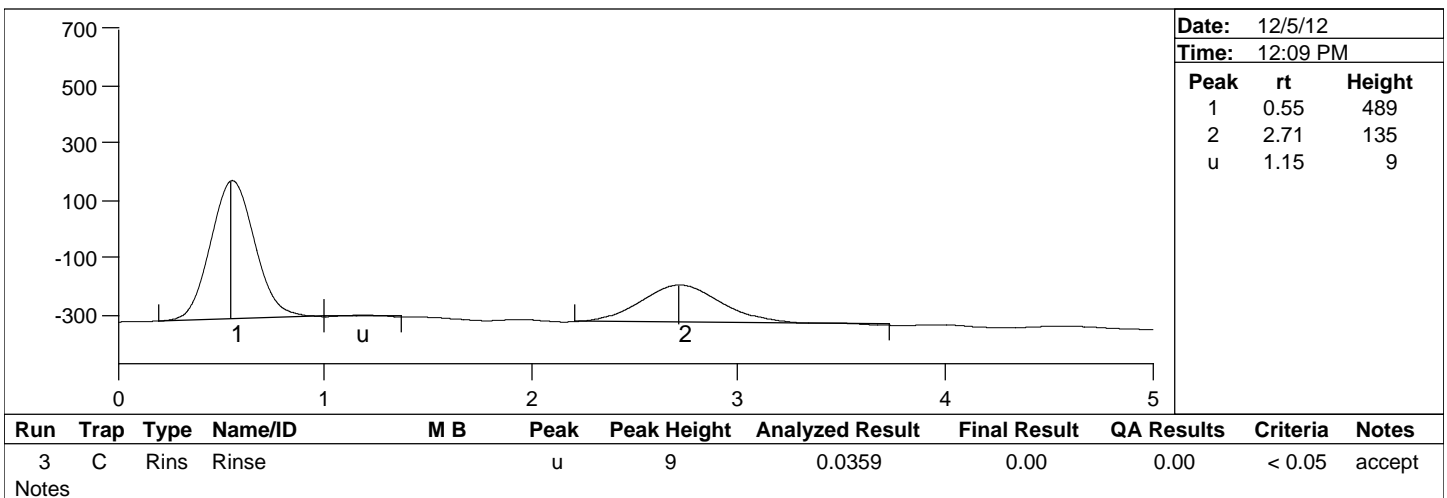
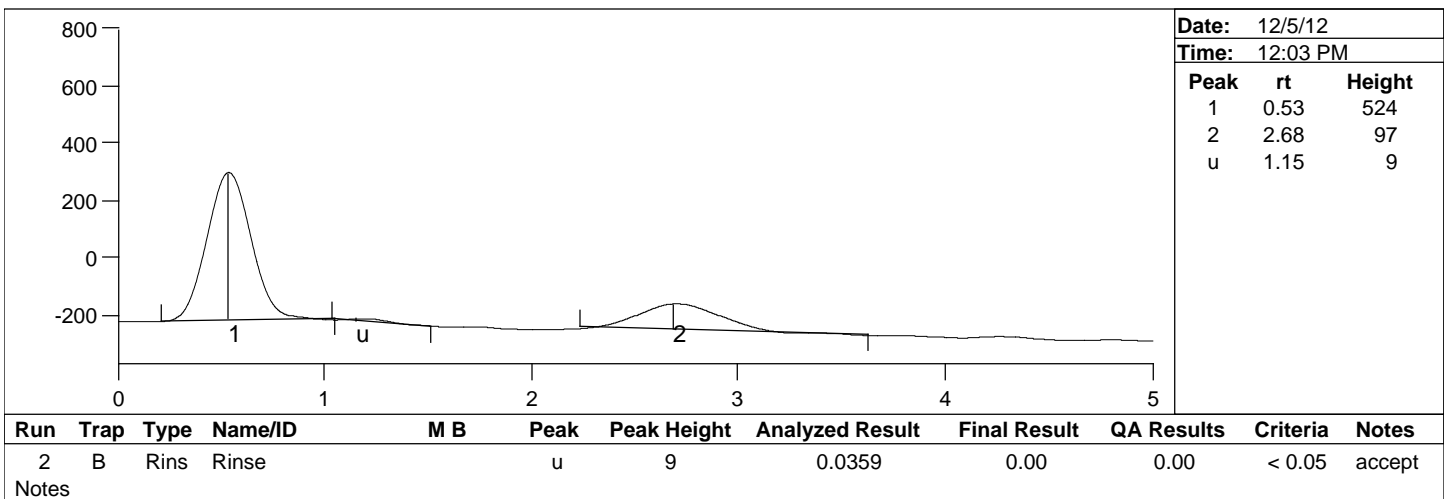
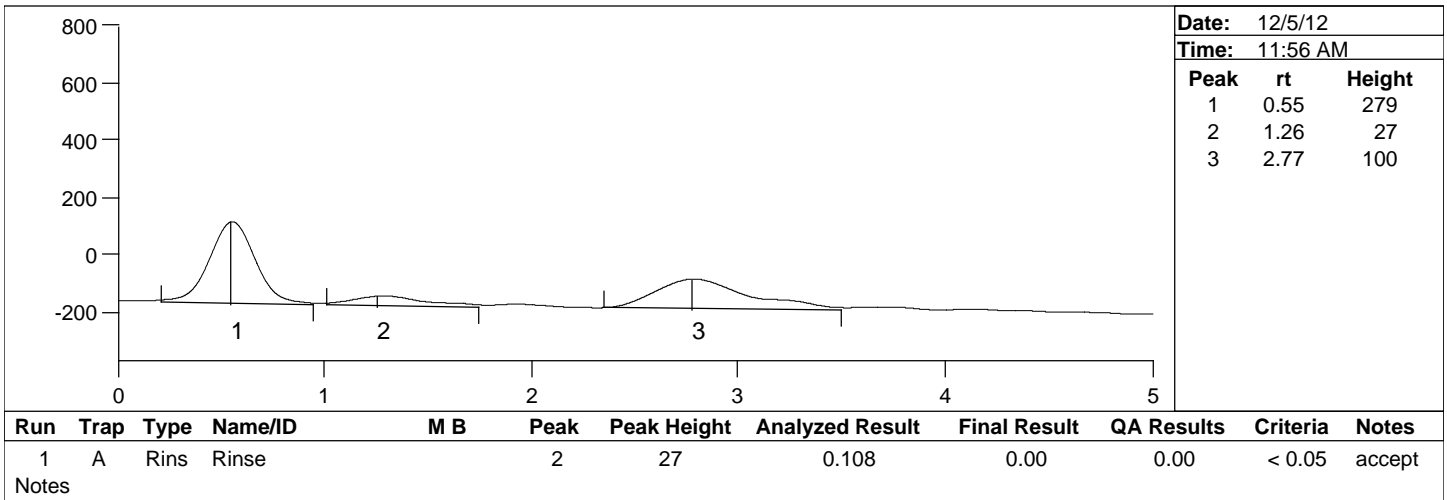
- single QC performed ^{3/20} on below vol (MS3) as per Frank's instruction

Peak Report

Batch Number: B122152, 2151,
Method Number: CVAFS BR-0011

Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
Analyst Name: BJT

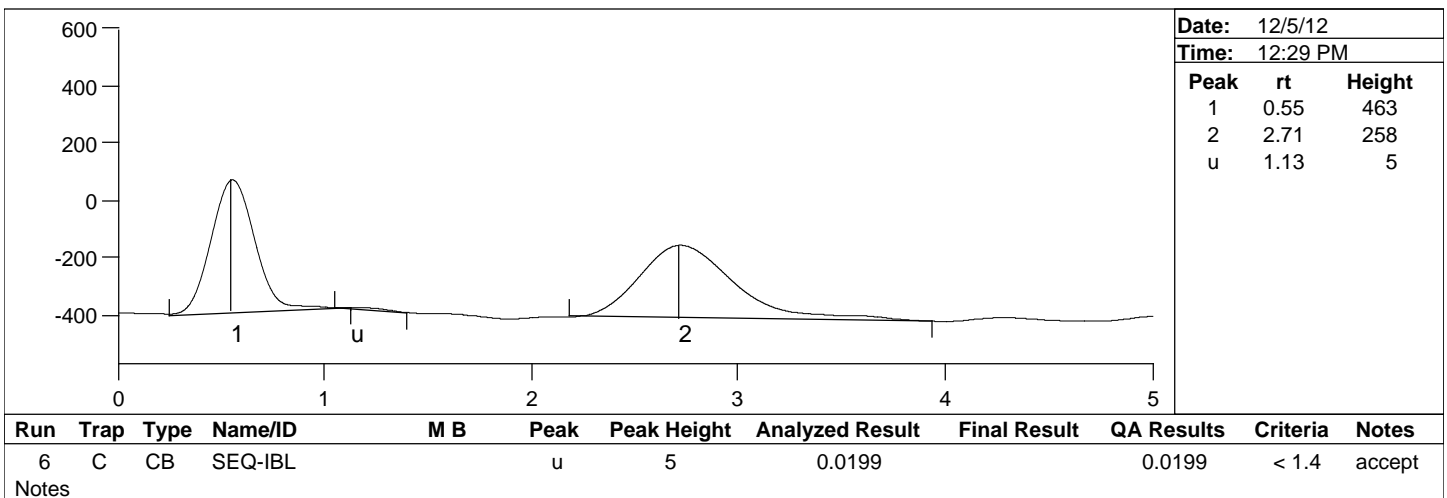
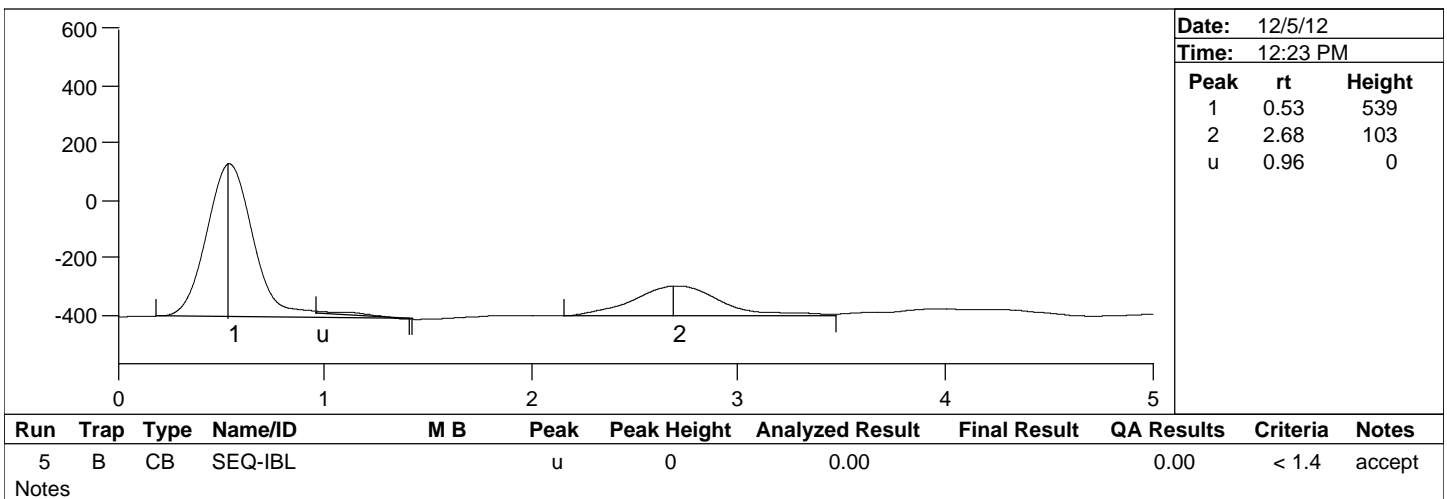
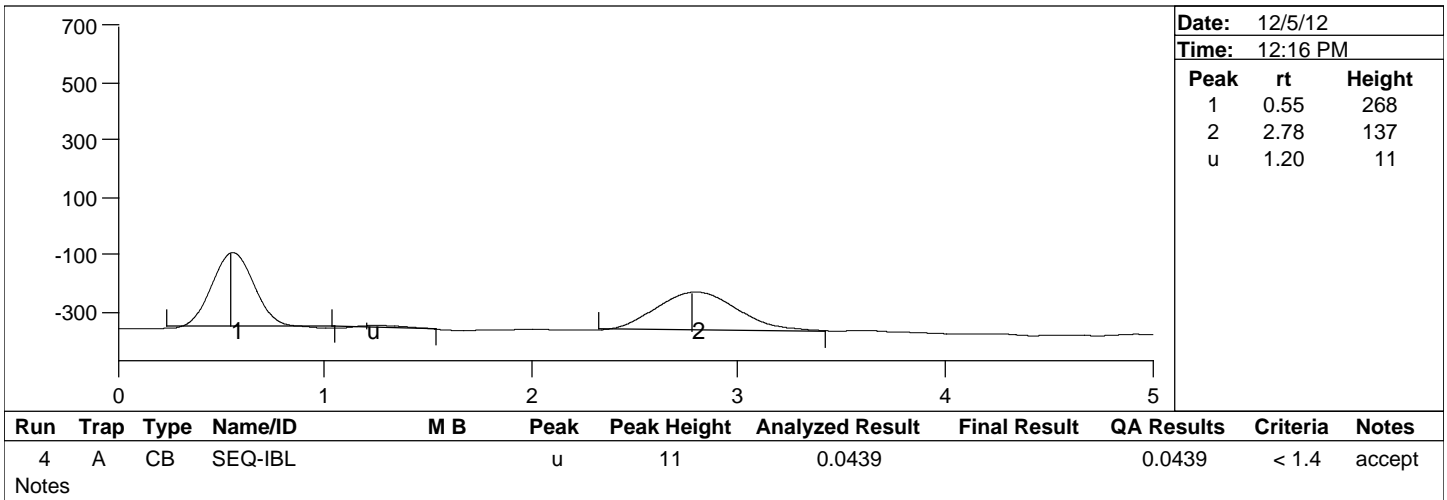


Peak Report

Batch Number: B122152, 2151,
Method Number: CVAFS BR-0011

Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
Analyst Name: BJT

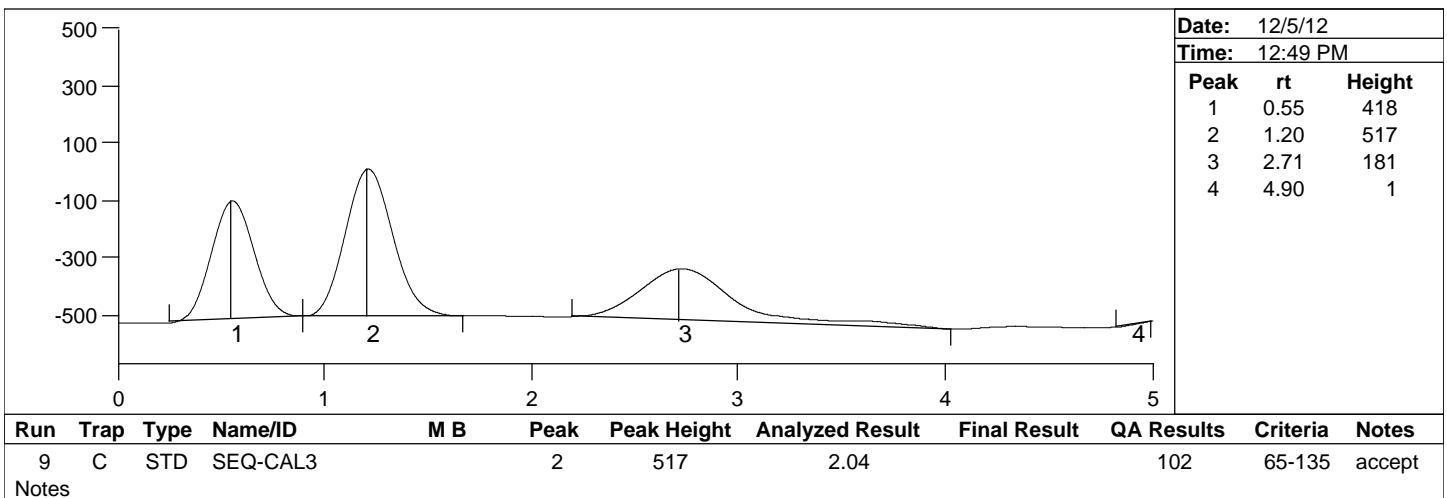
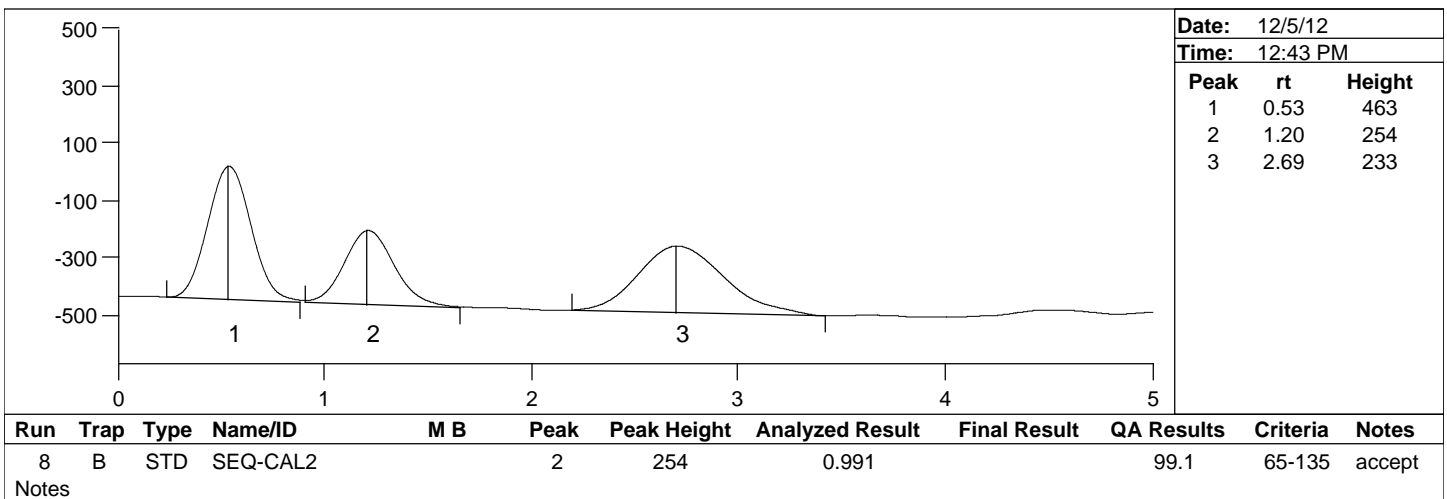
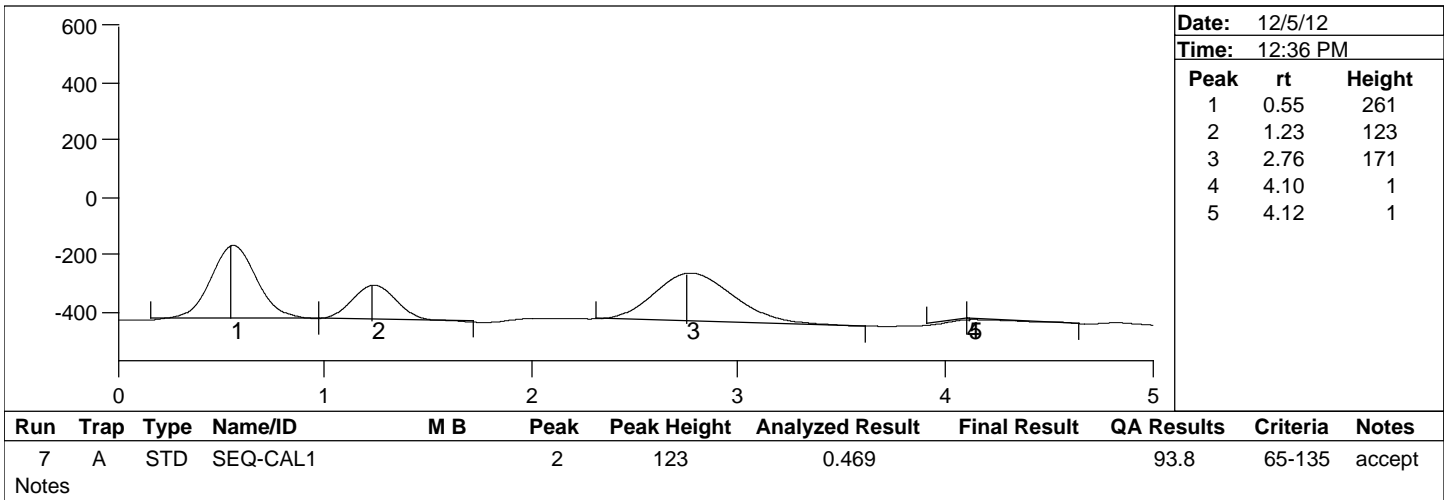


Peak Report

Batch Number: B122152, 2151,
Method Number: CVAFS BR-0011

Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
Analyst Name: BJT

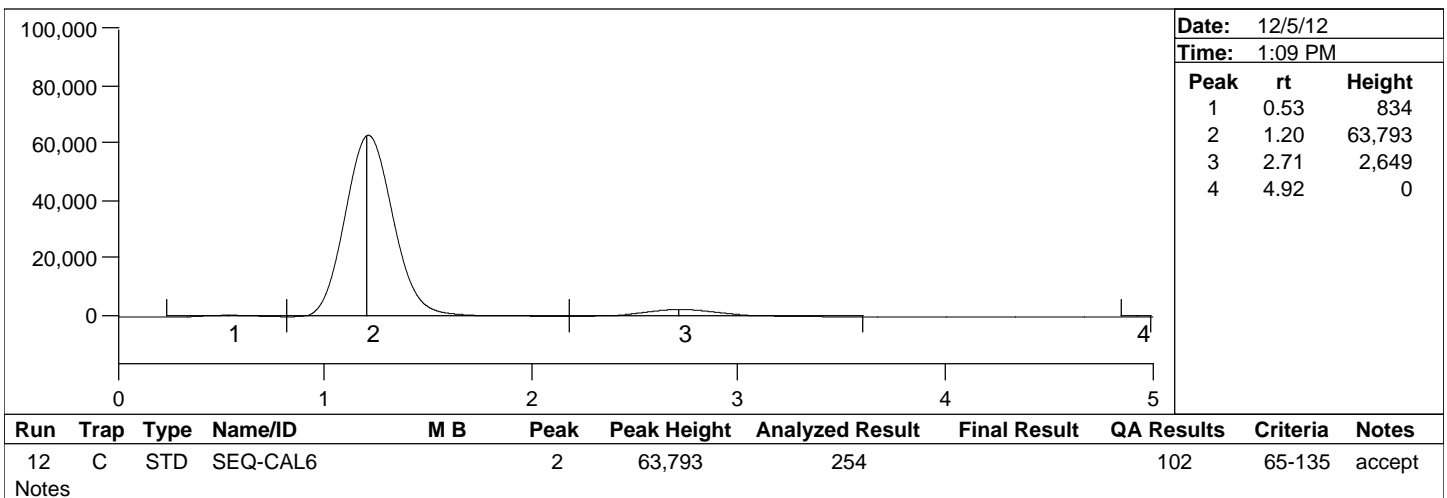
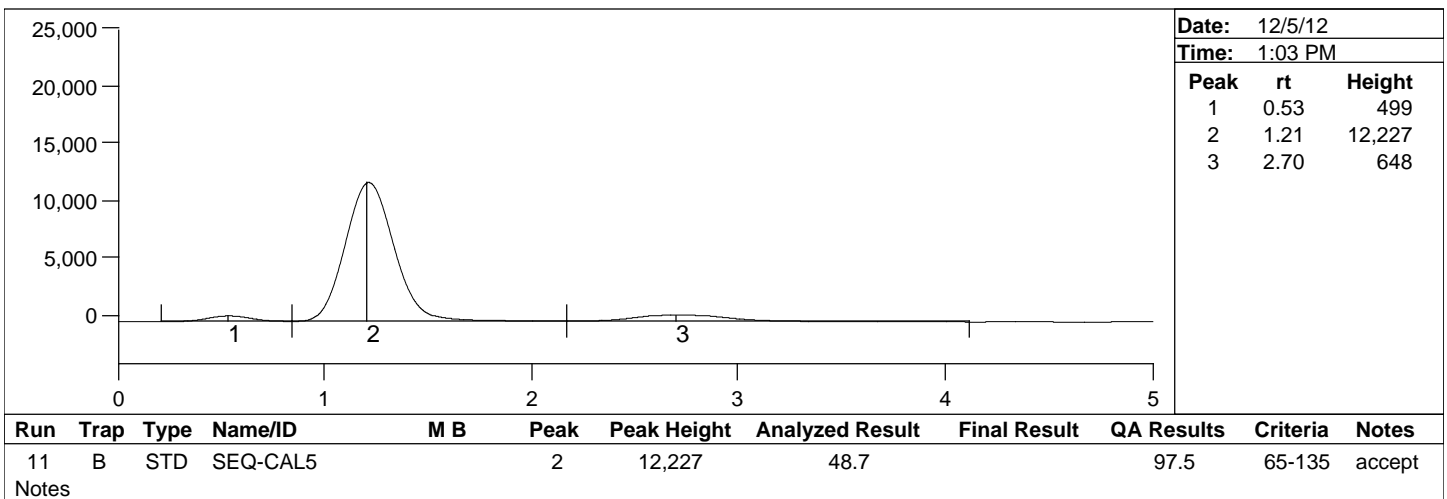
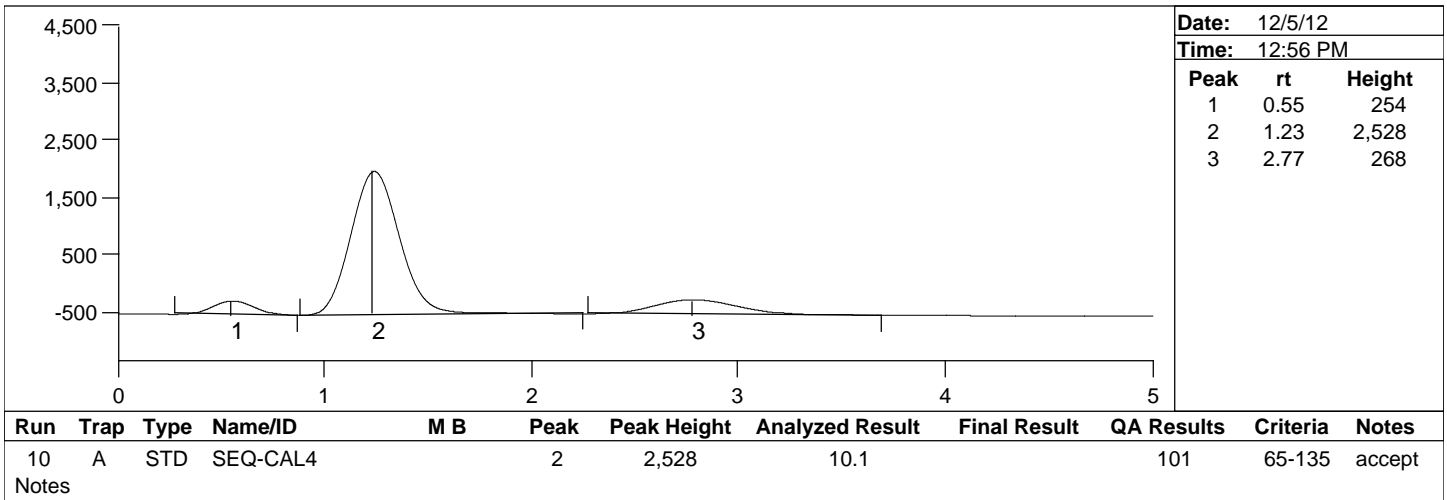


Peak Report

Batch Number: B122152, 2151,
Method Number: CVAFS BR-0011

Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
Analyst Name: BJT

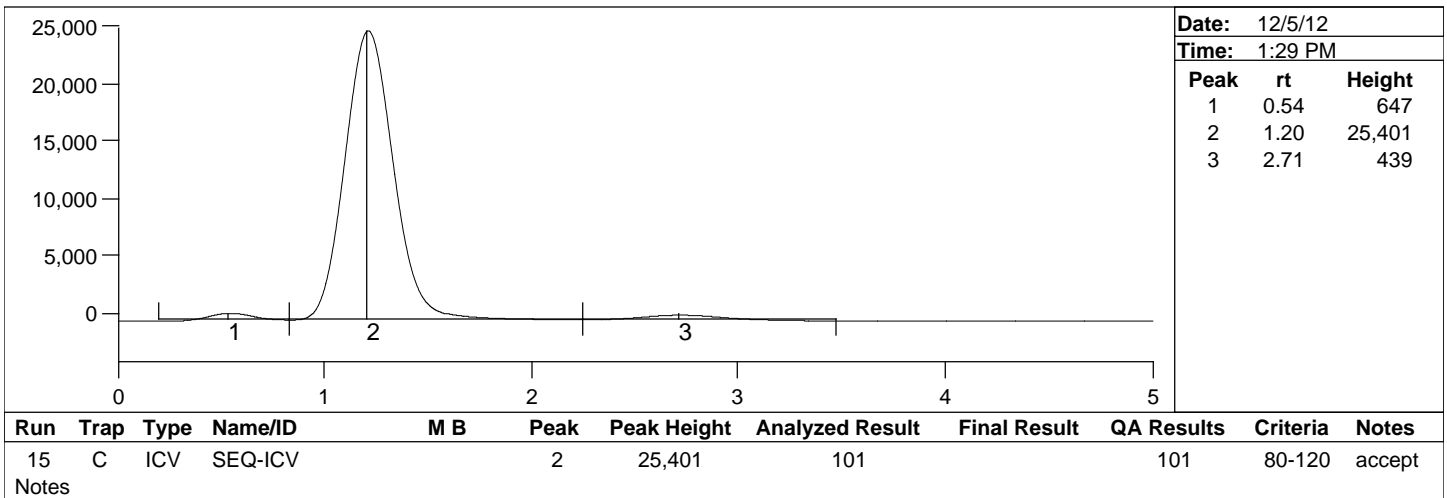
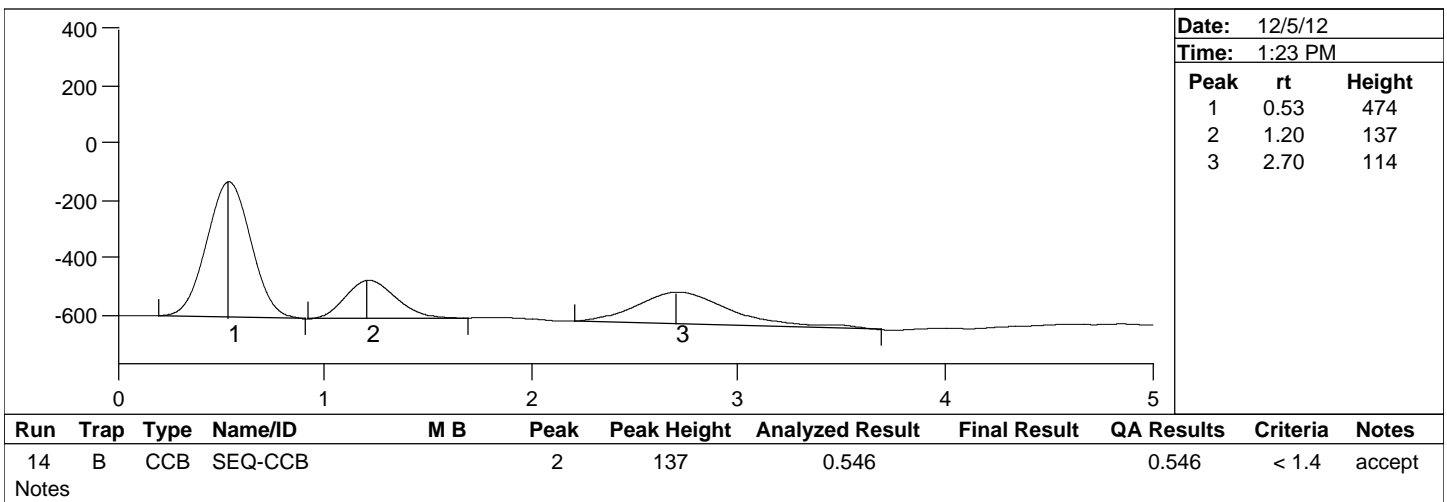
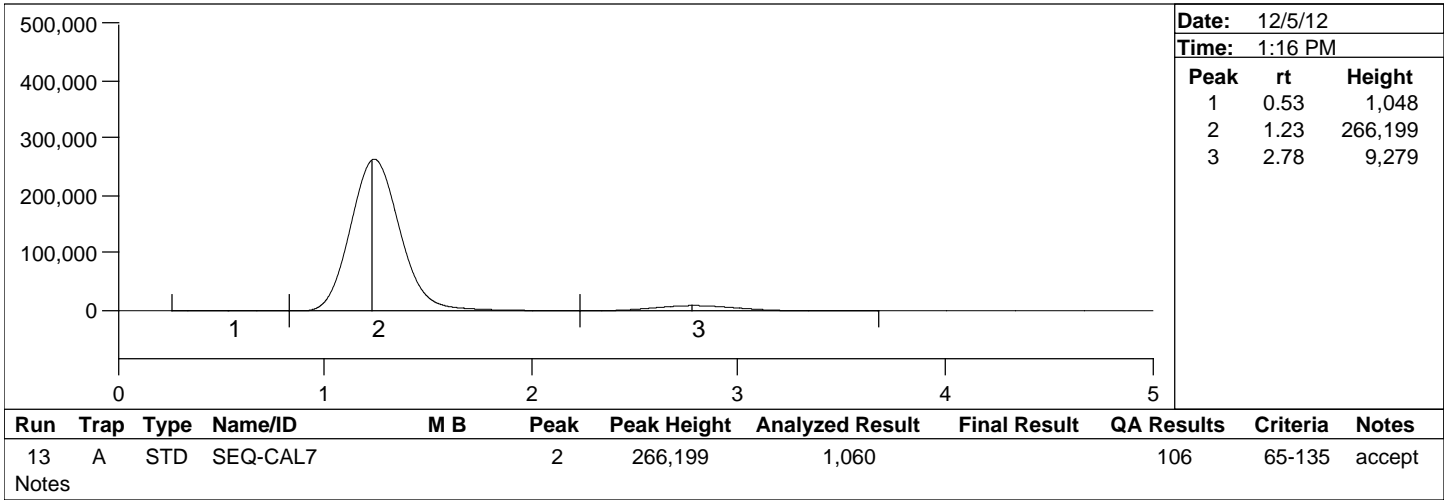


Peak Report

Batch Number: B122152, 2151,
Method Number: CVAFS BR-0011

Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
Analyst Name: BJT

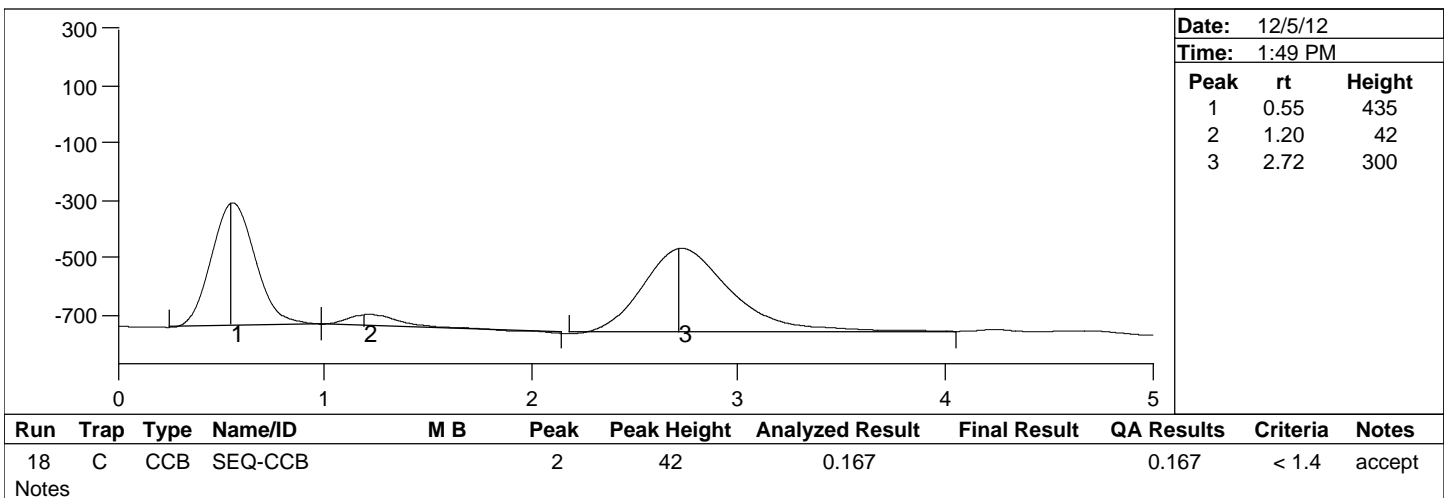
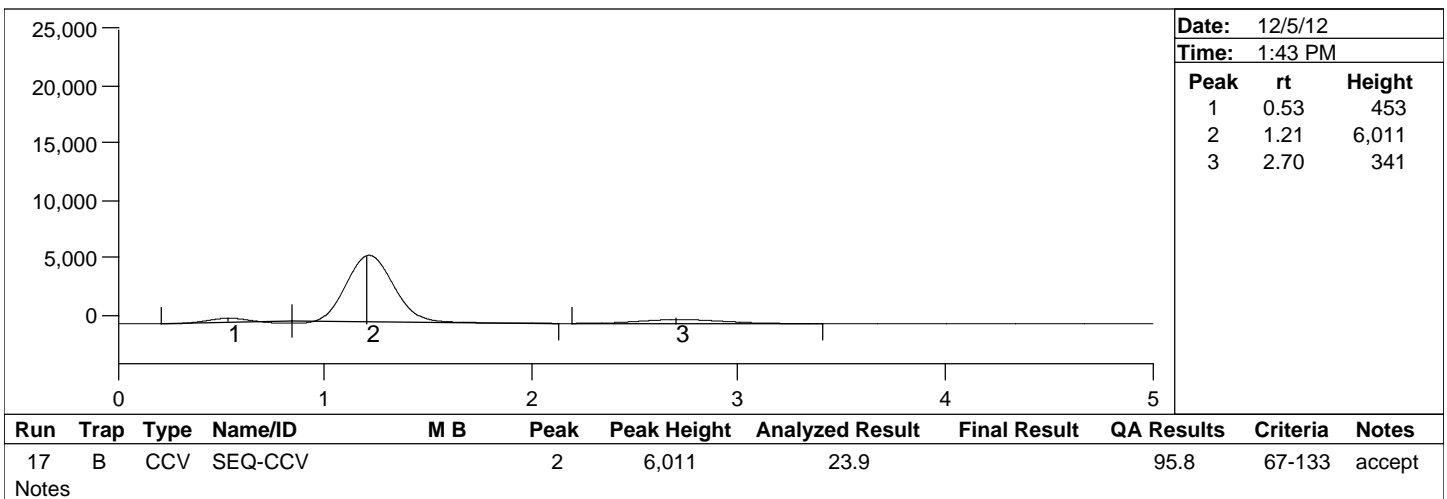
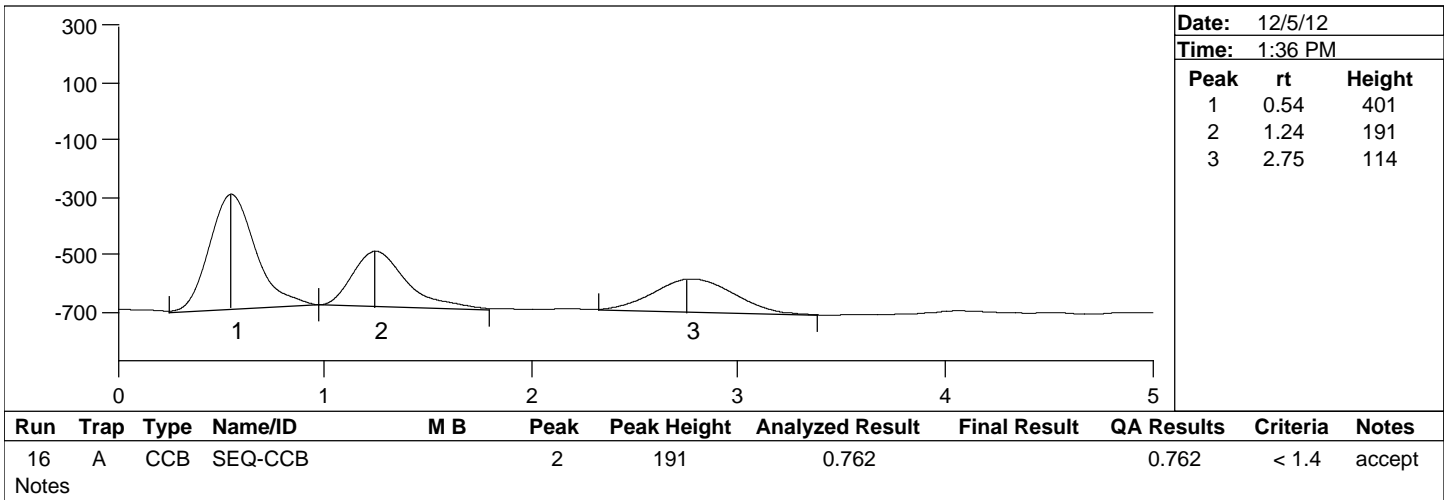


Peak Report

Batch Number: B122152, 2151,
Method Number: CVAFS BR-0011

Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
Analyst Name: BJT

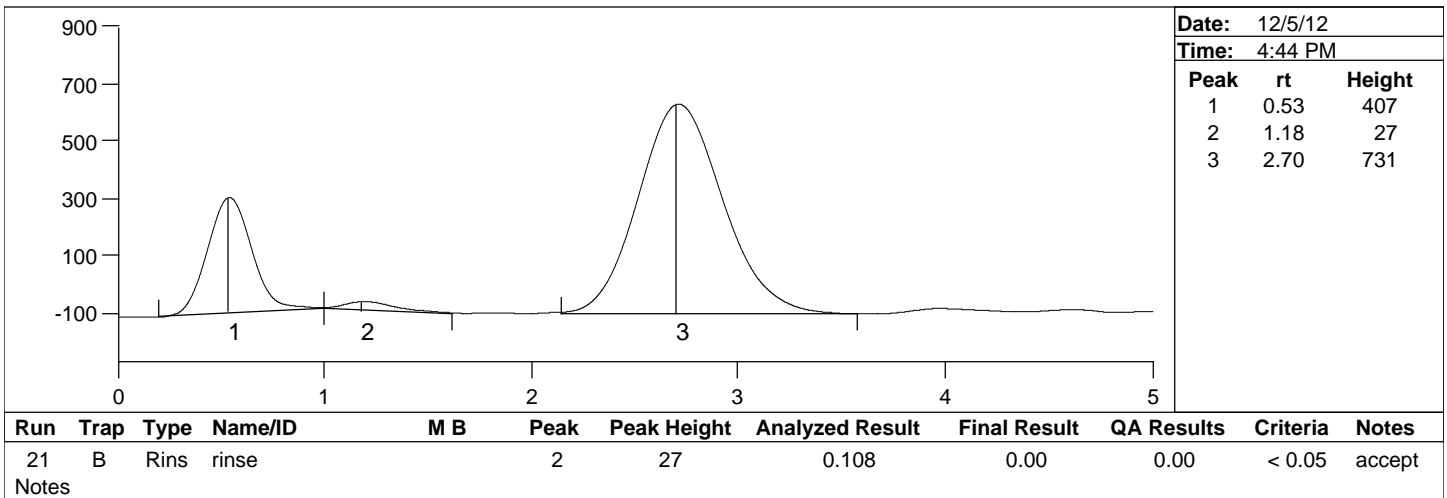
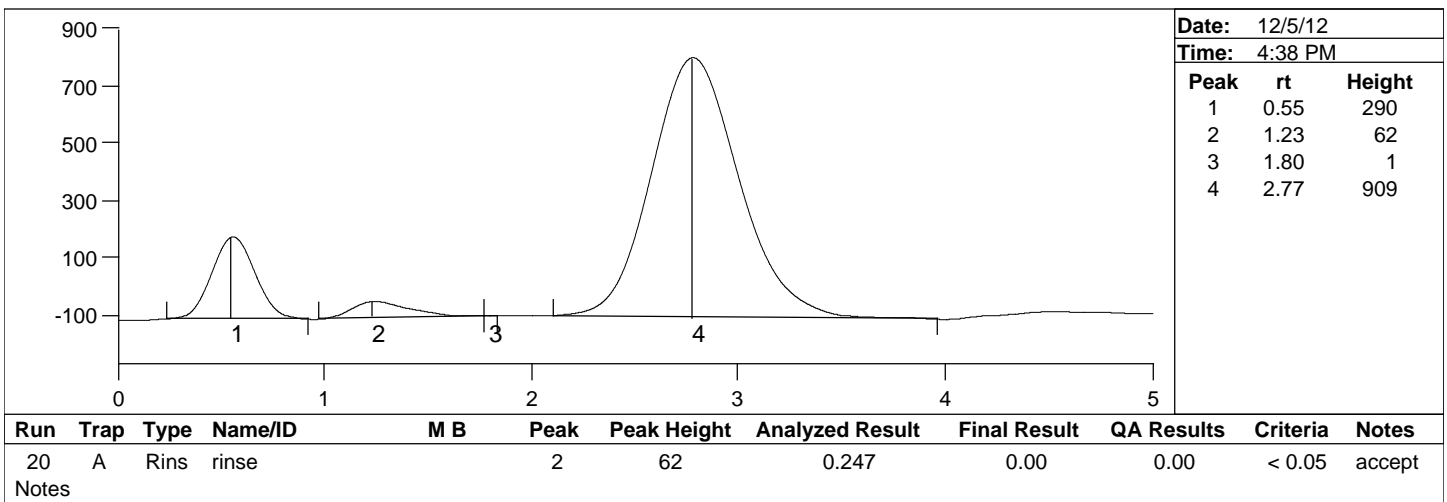
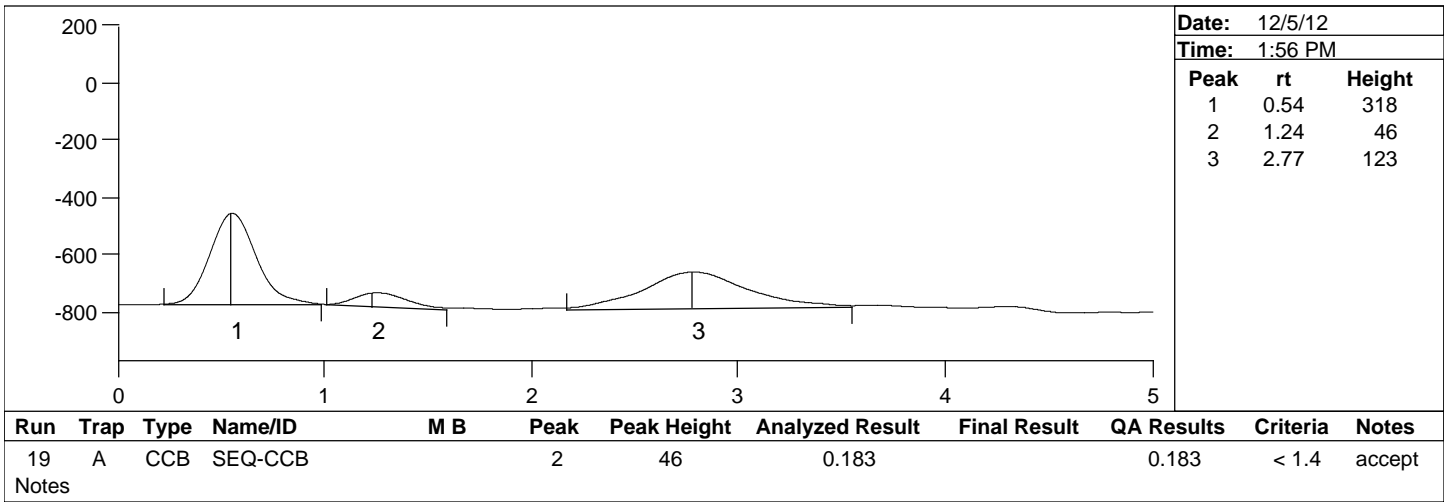


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Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
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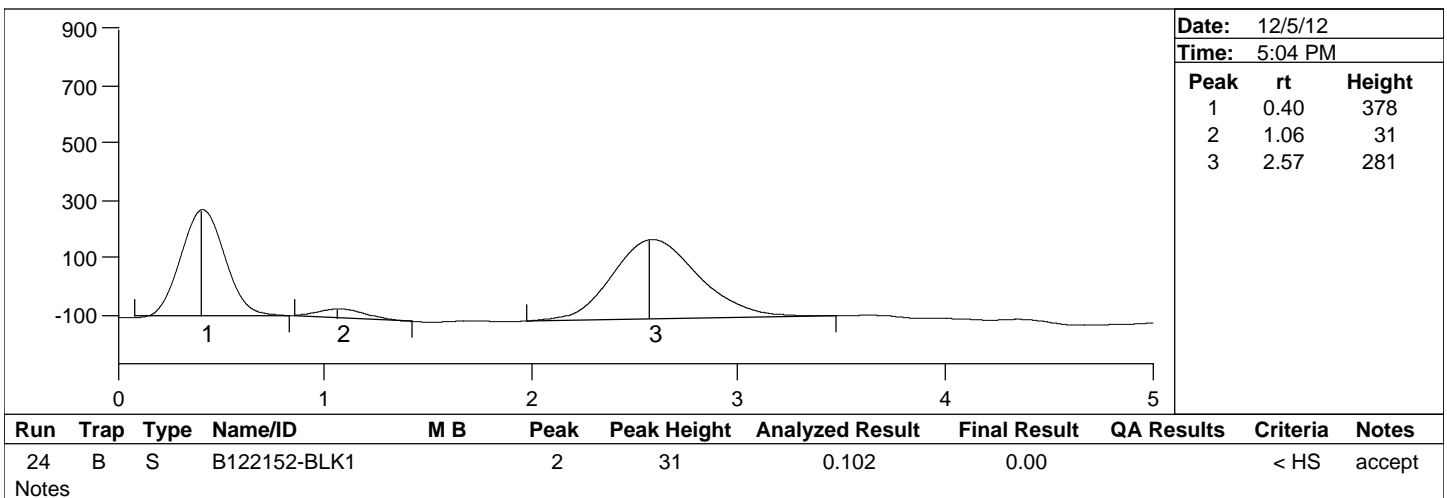
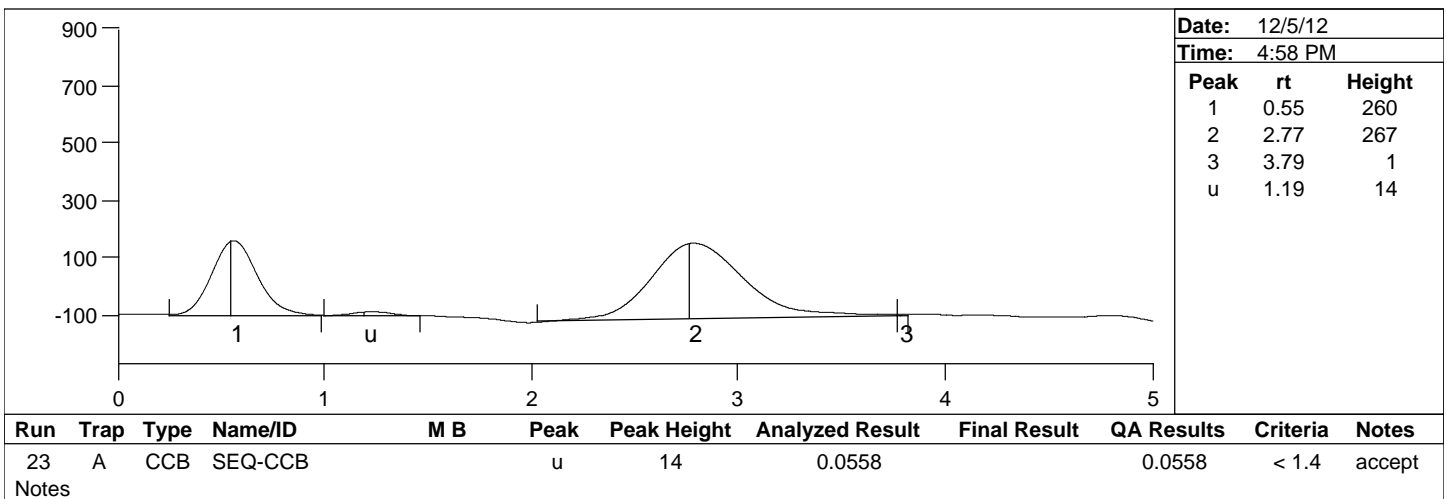
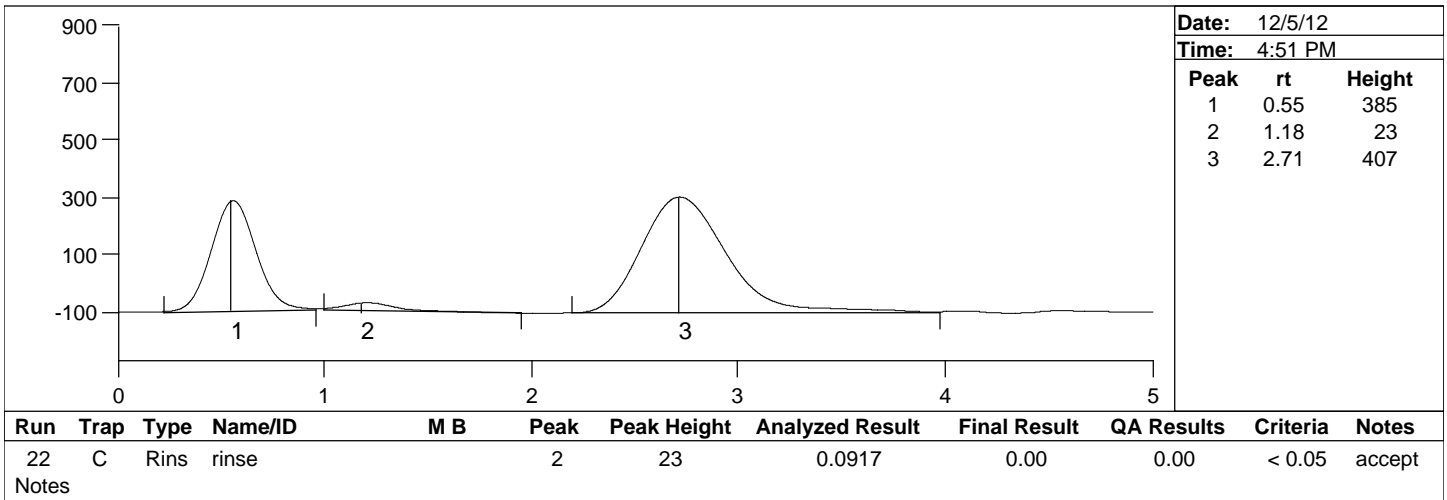


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Date Analyzed: 12/5/12
Analyst Name: BJT

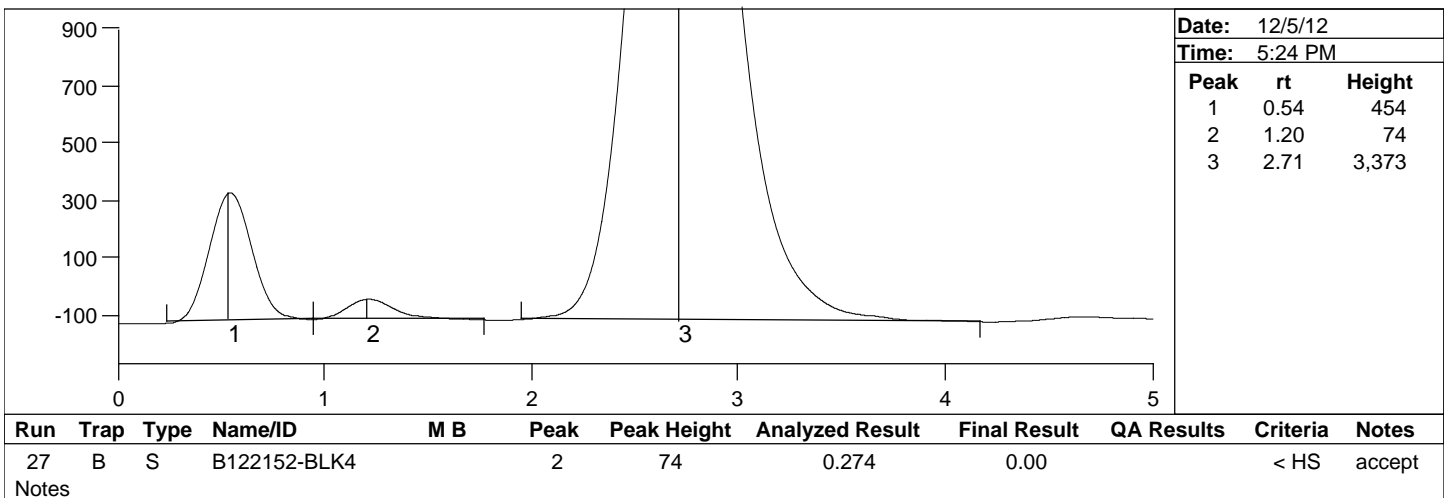
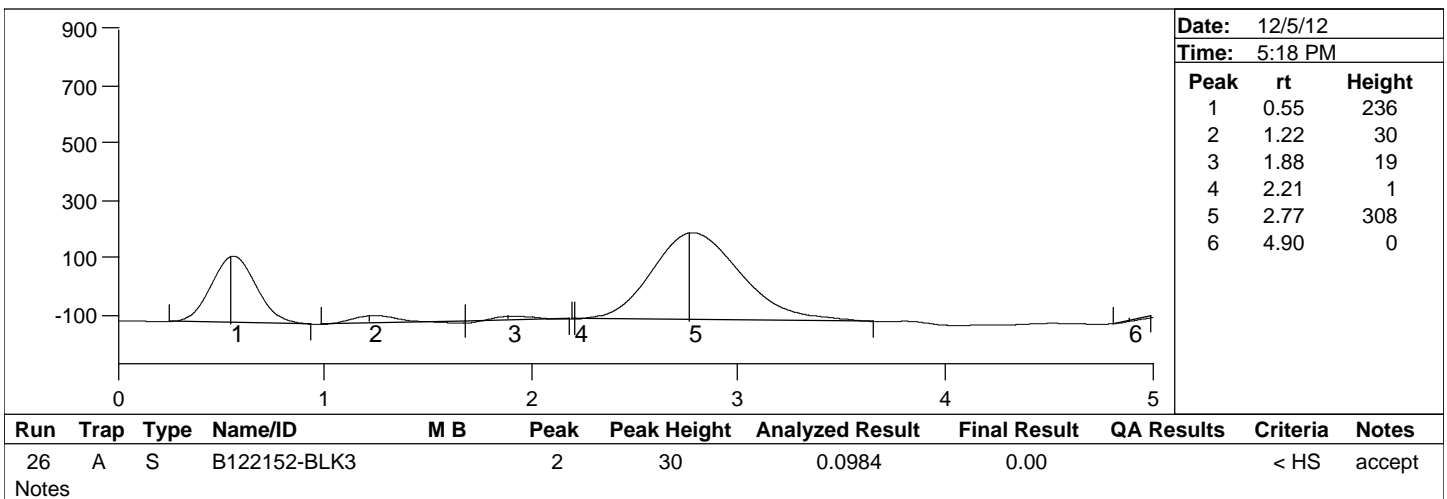
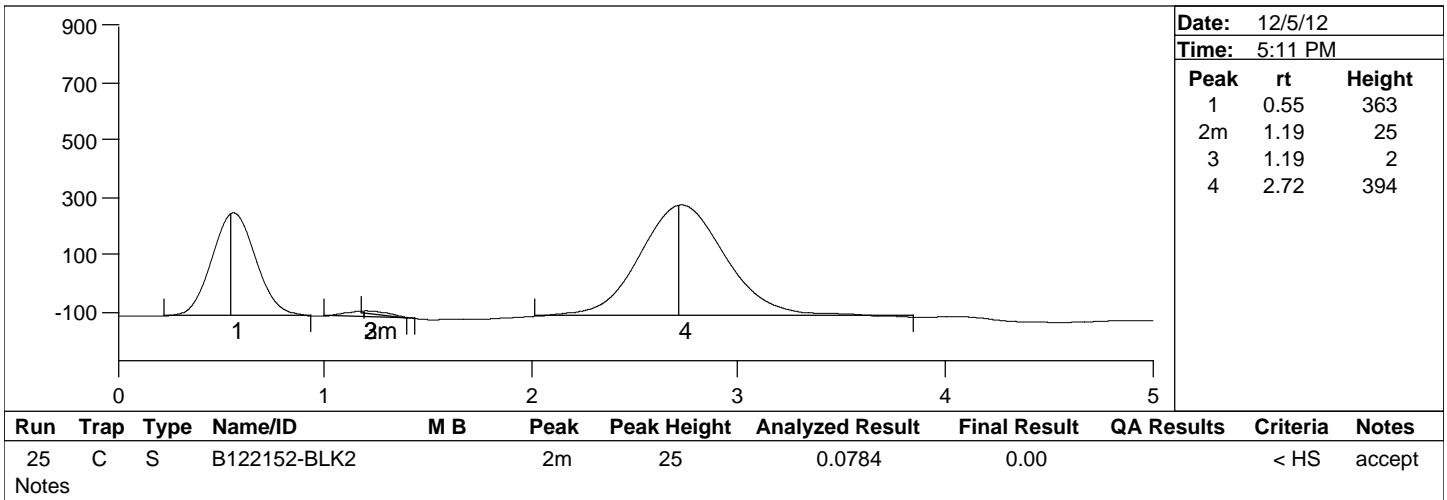


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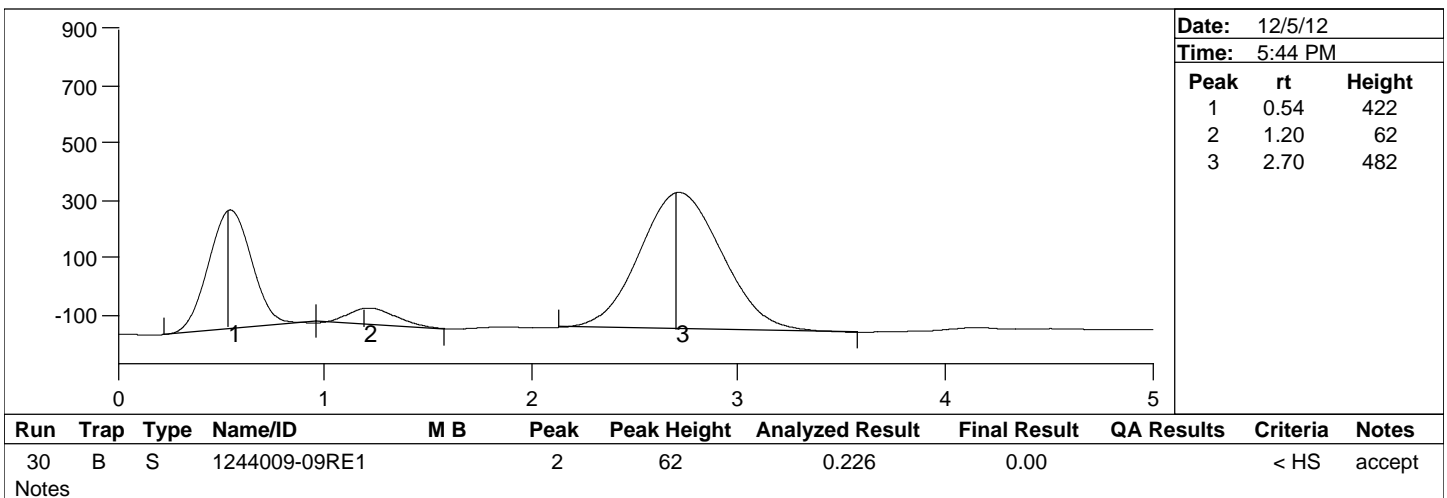
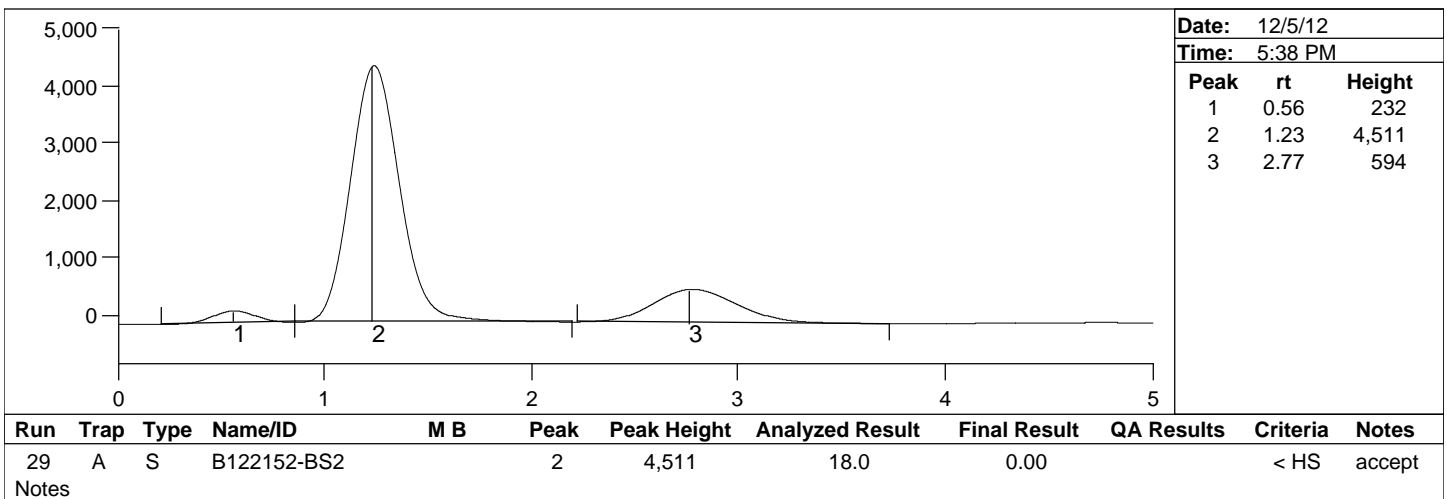
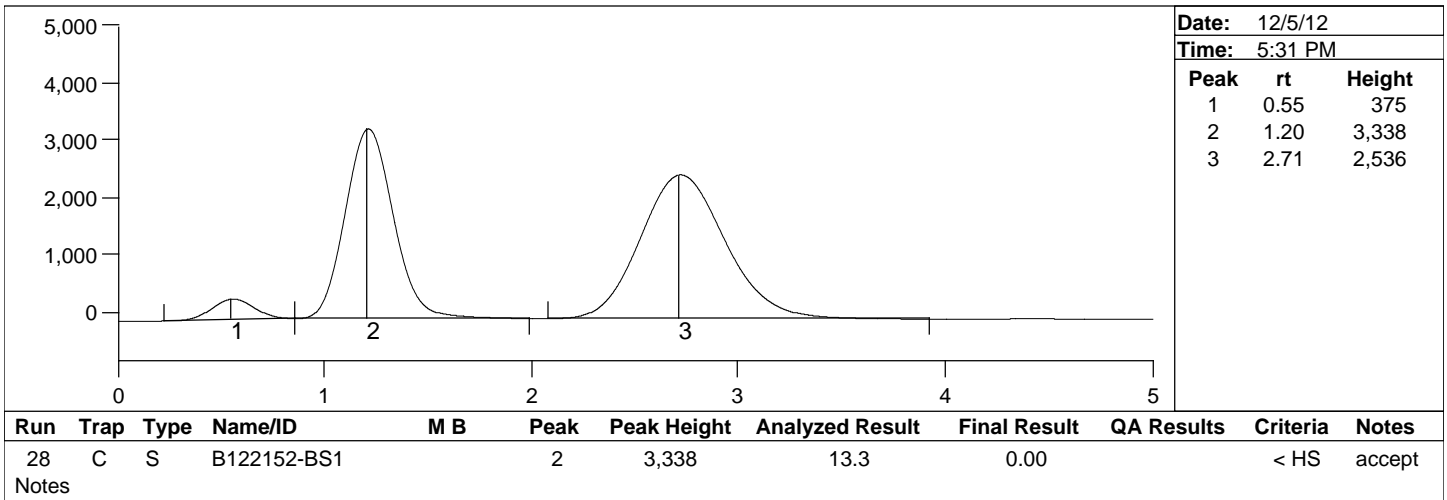


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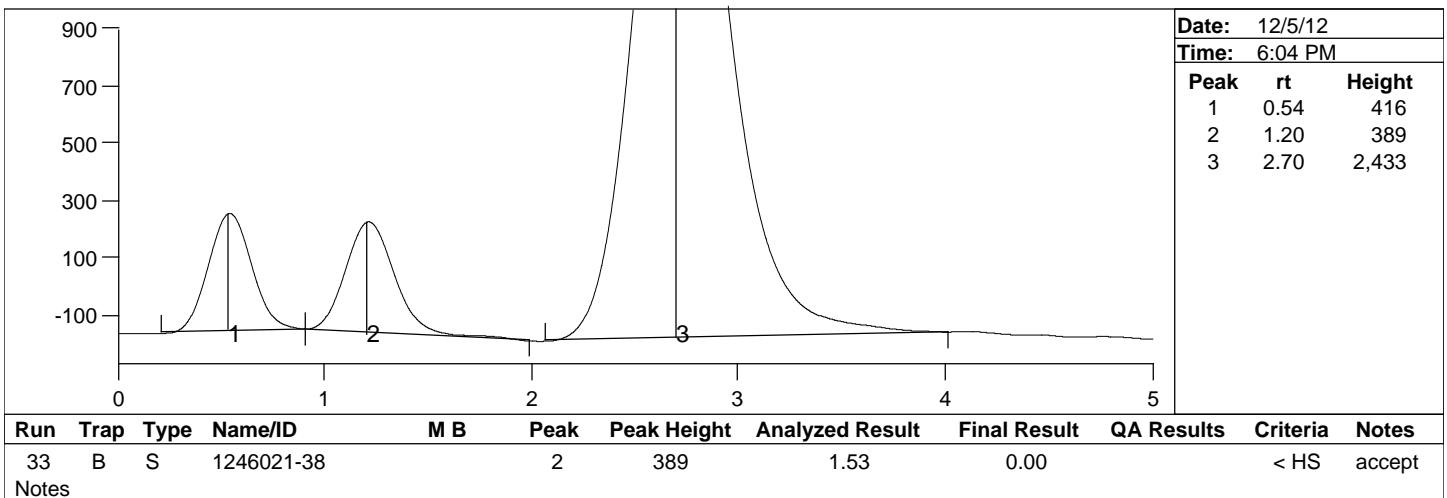
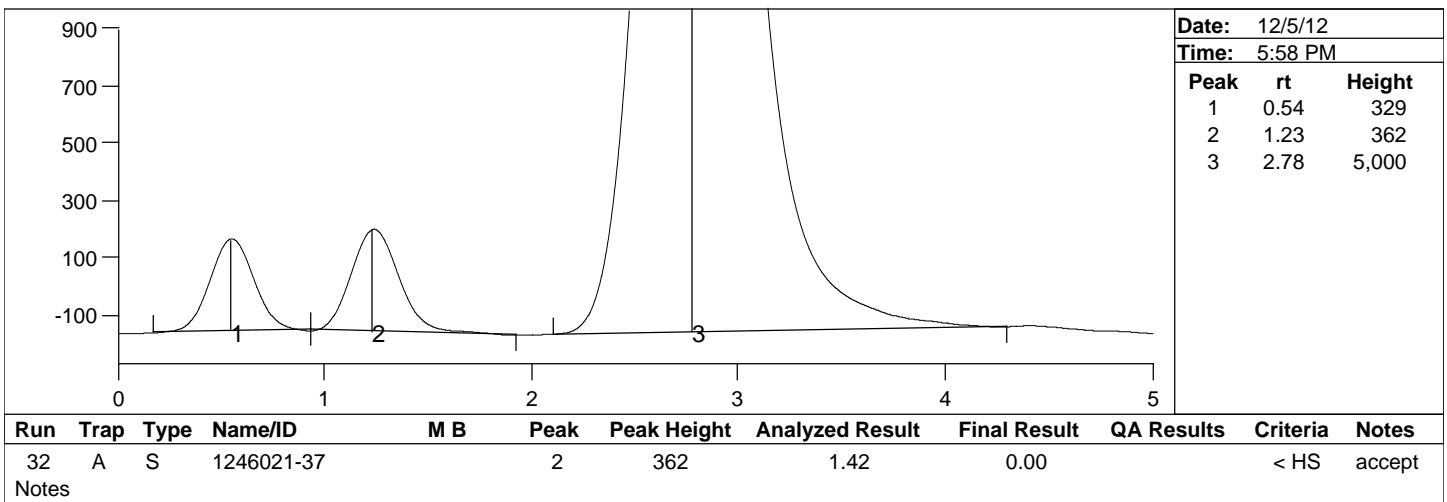
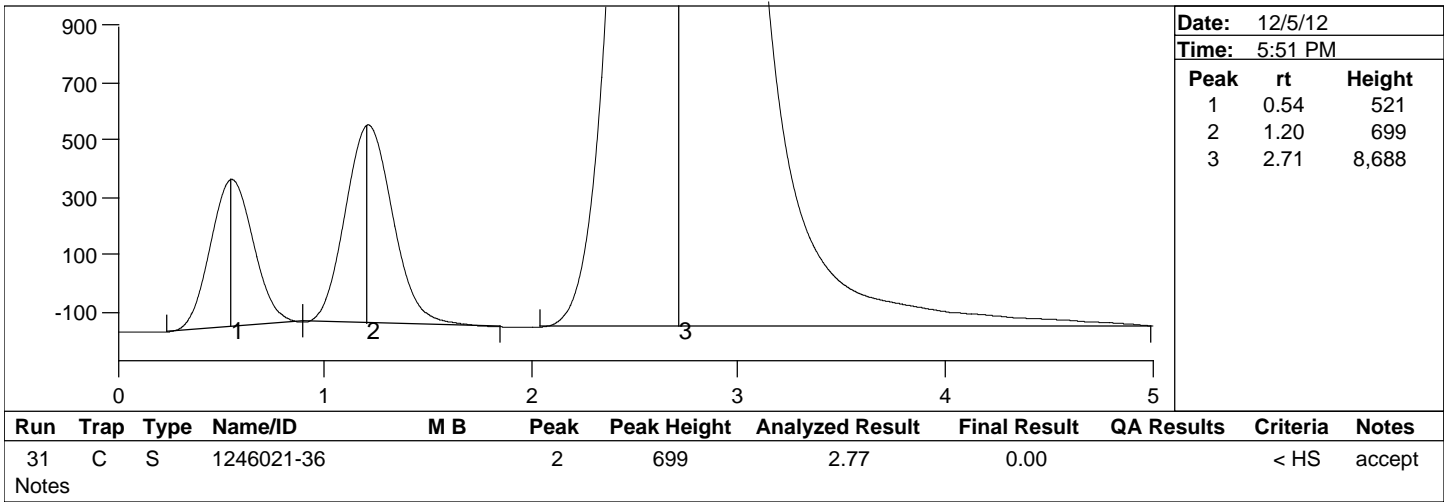


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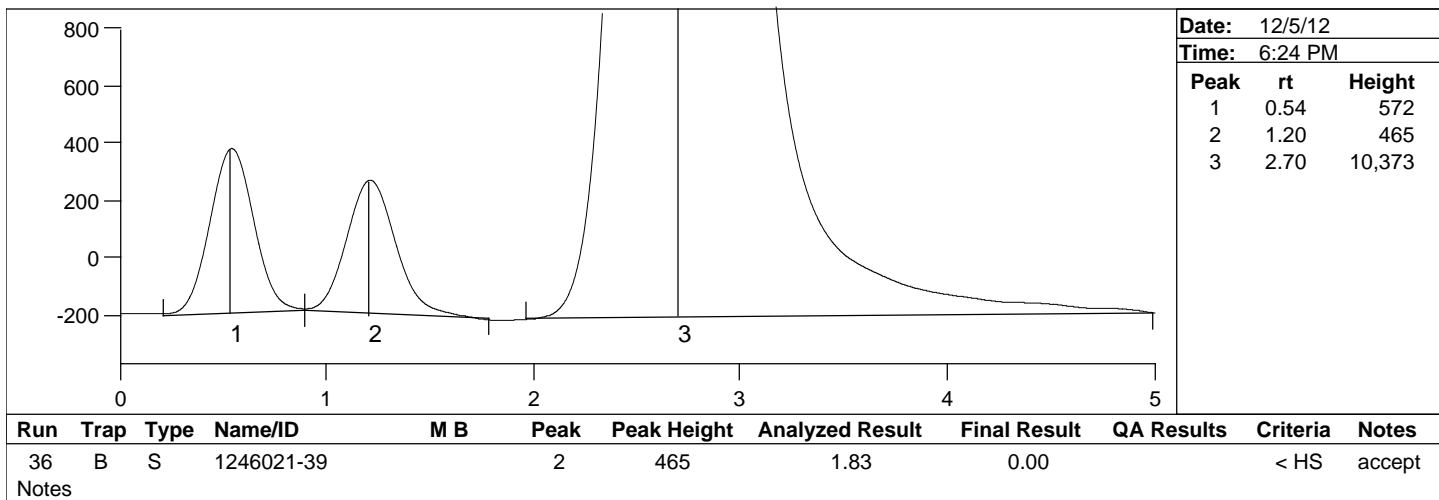
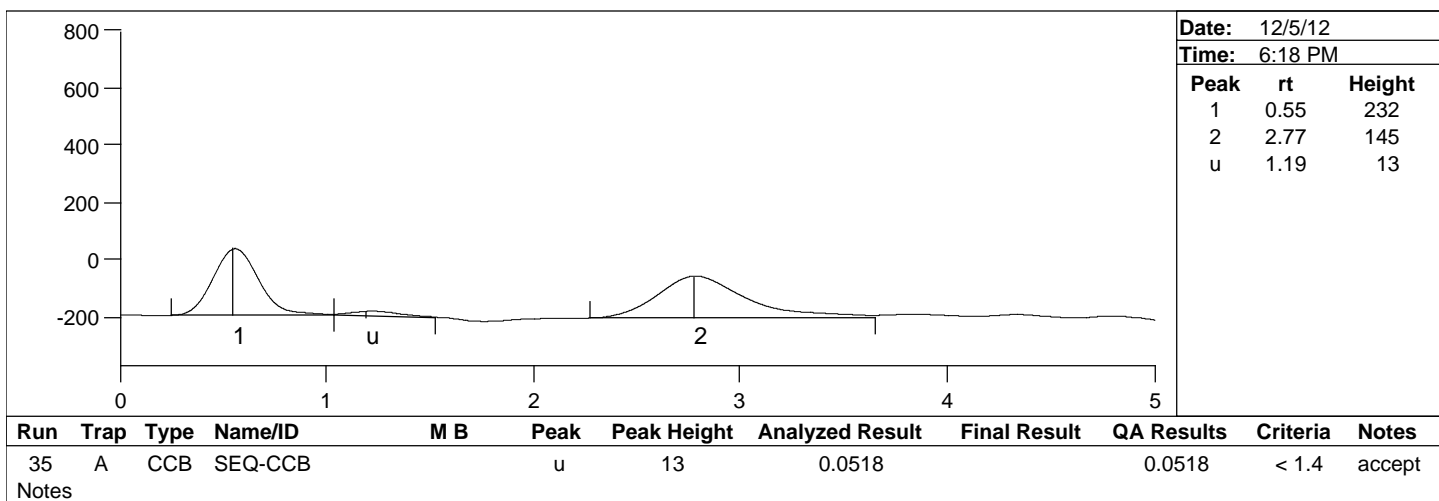
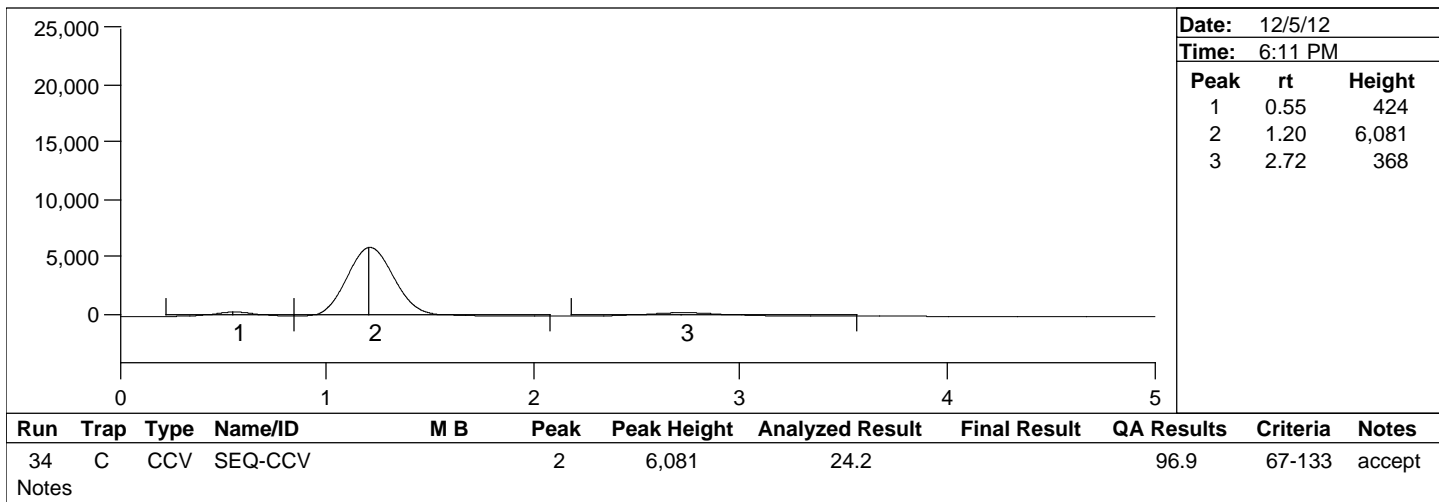


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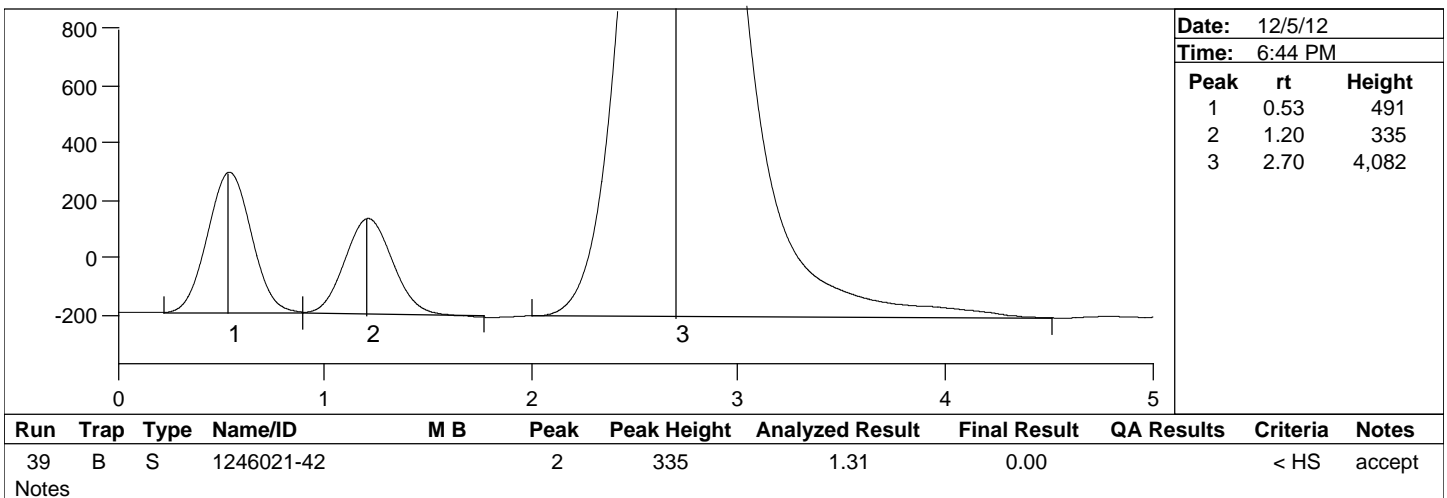
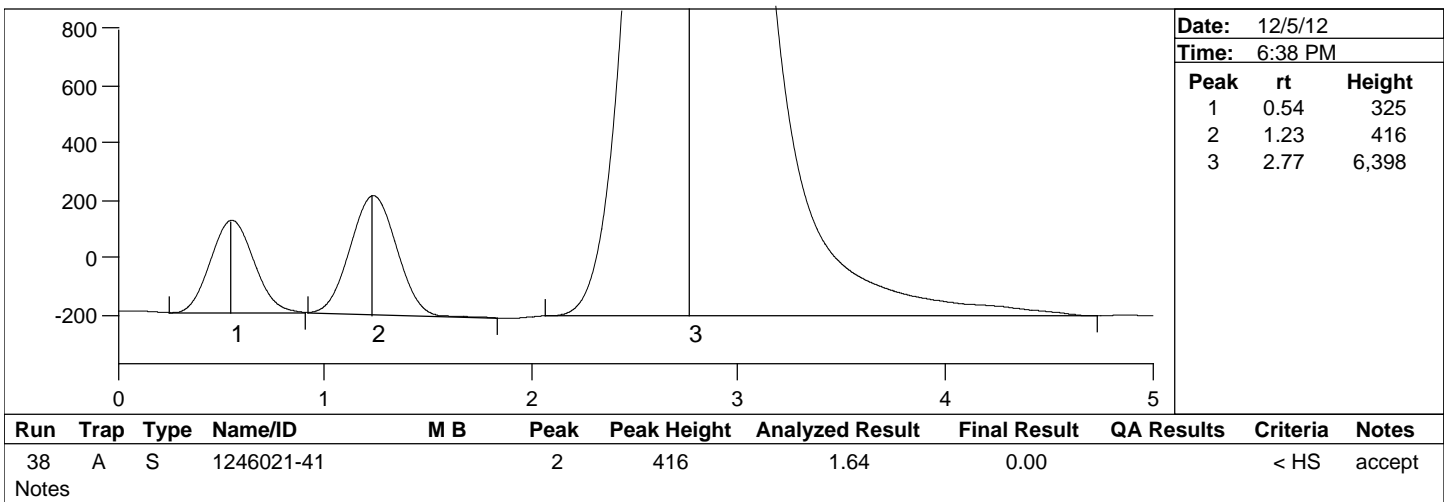
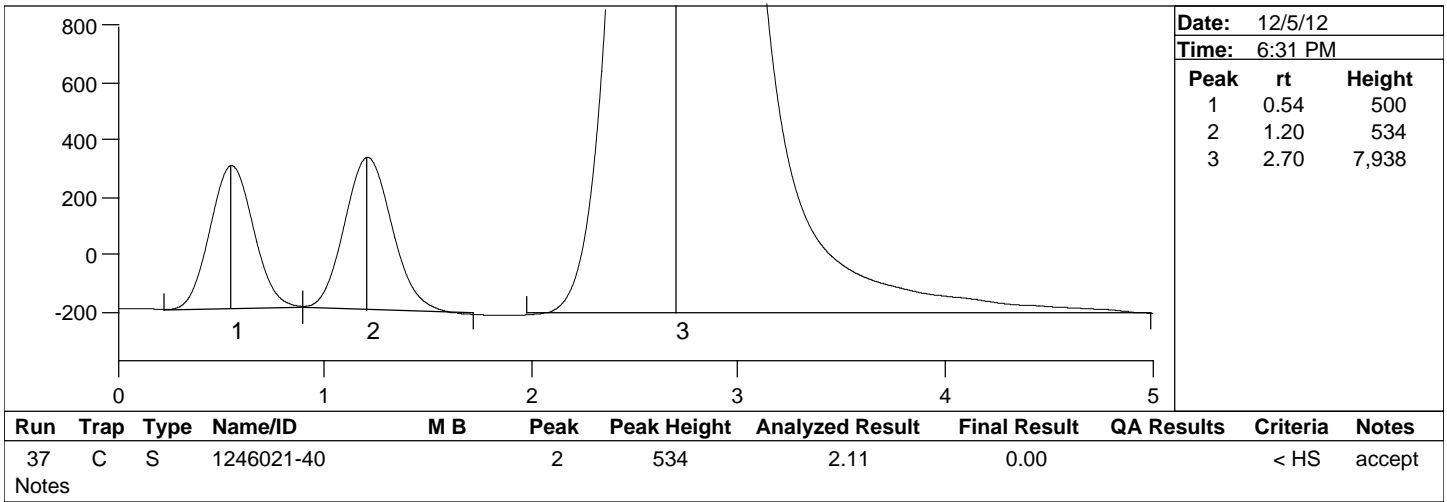


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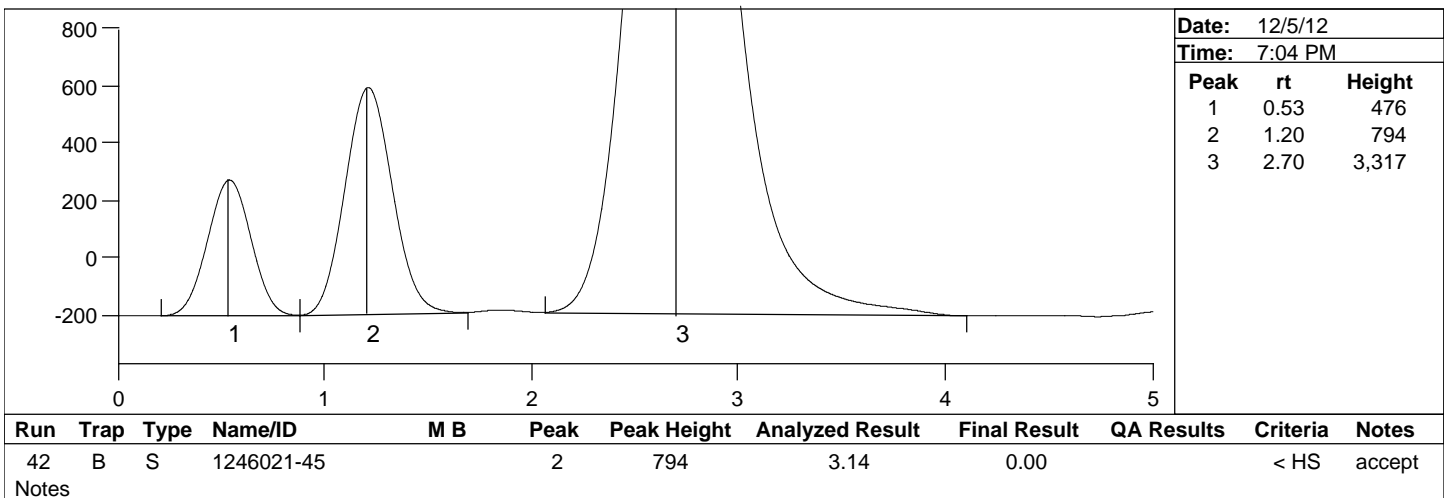
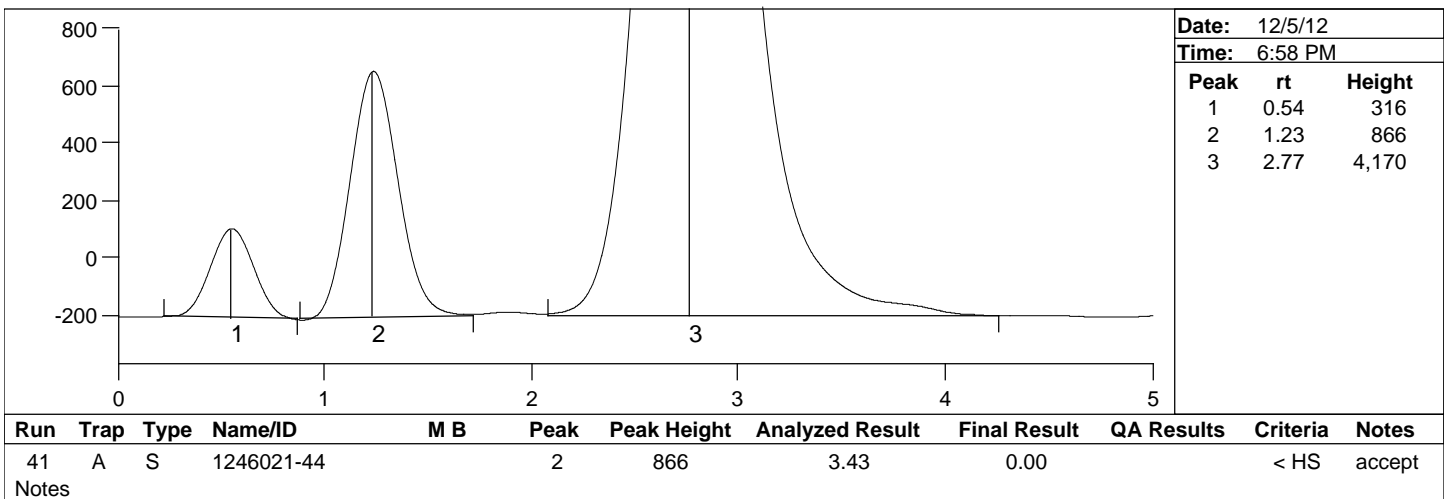
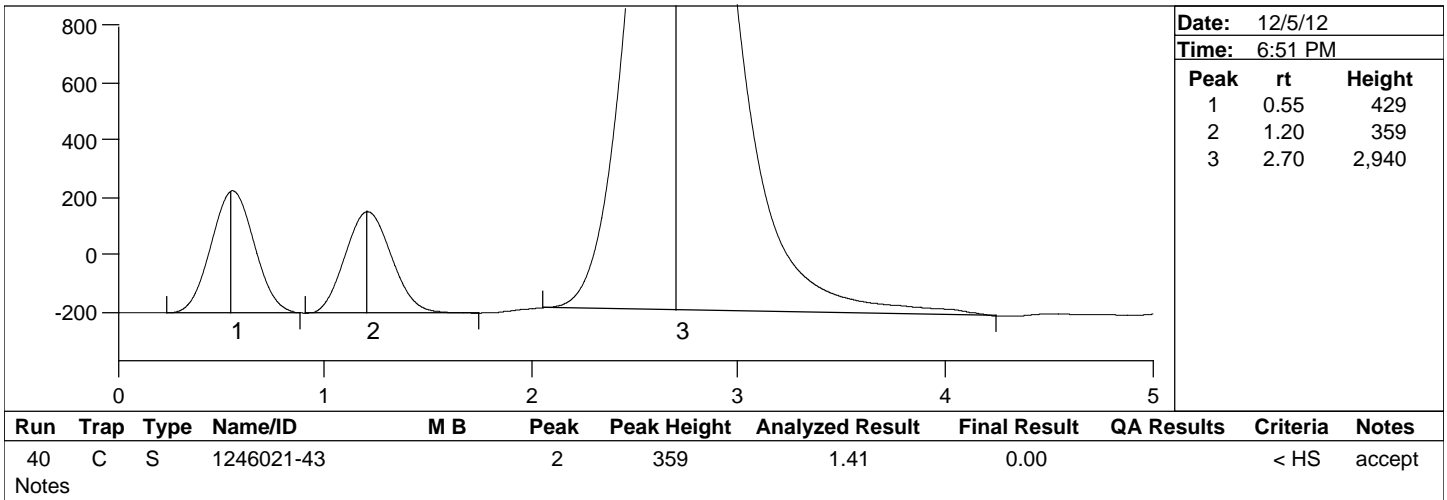


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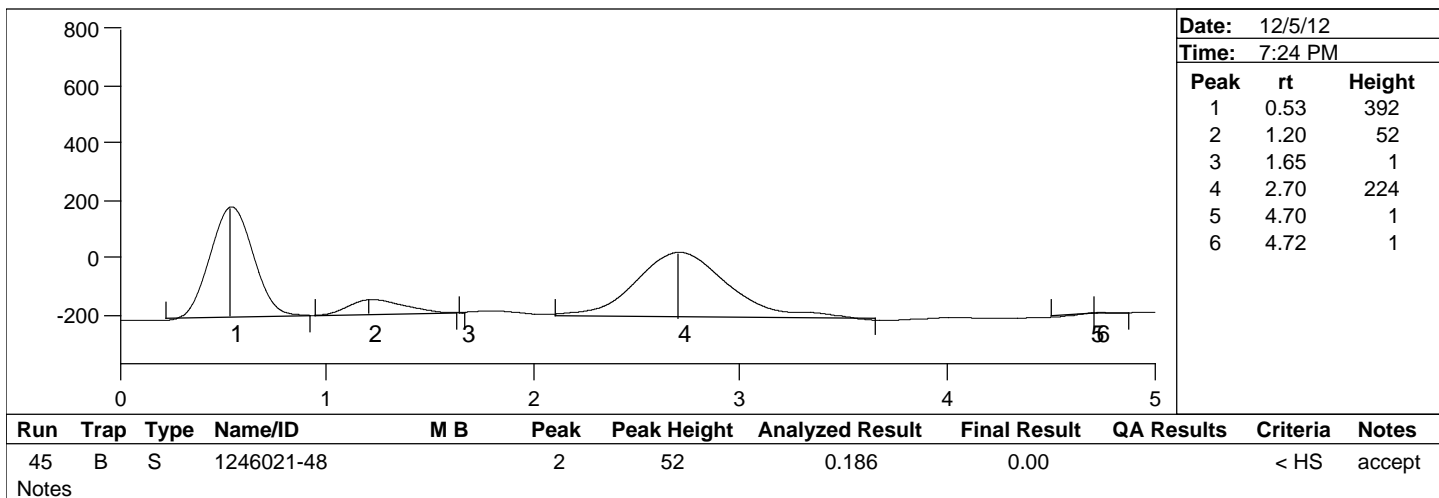
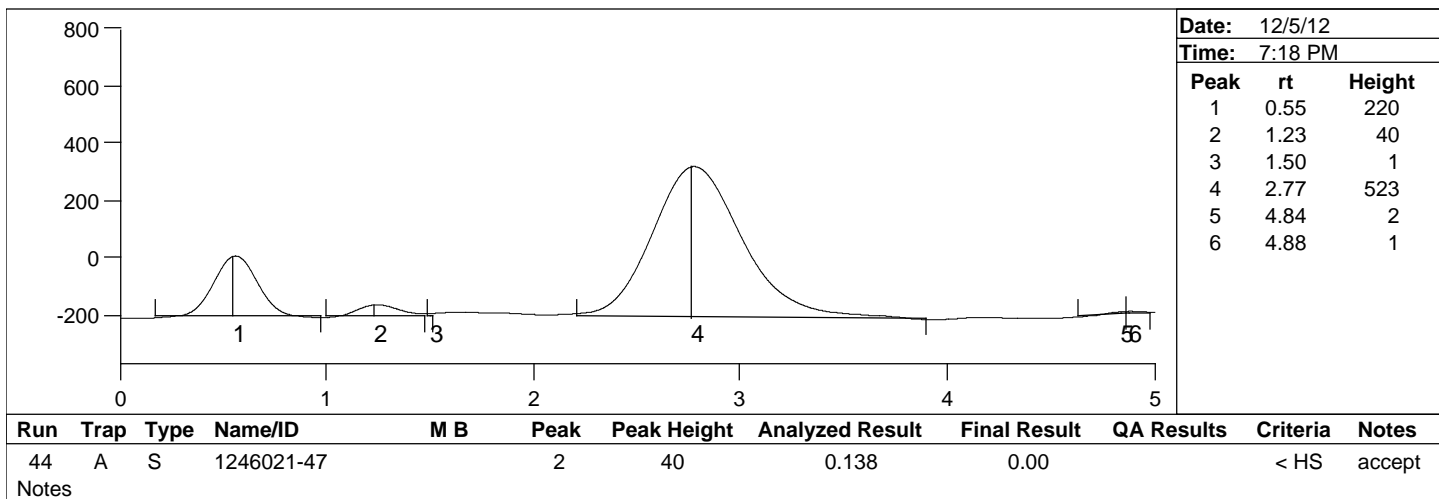
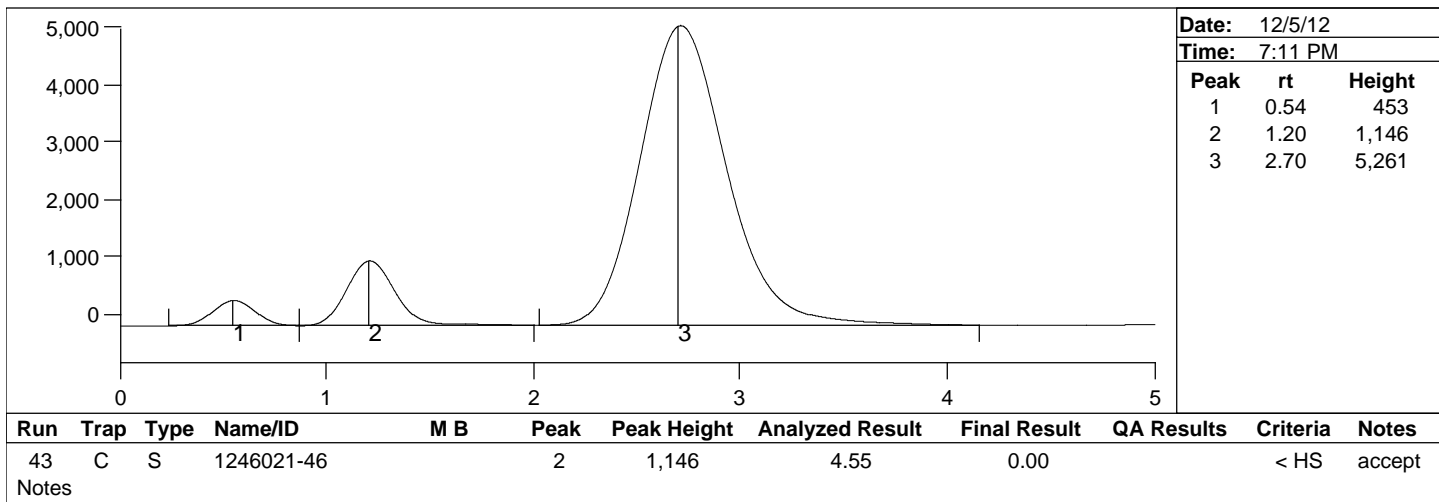


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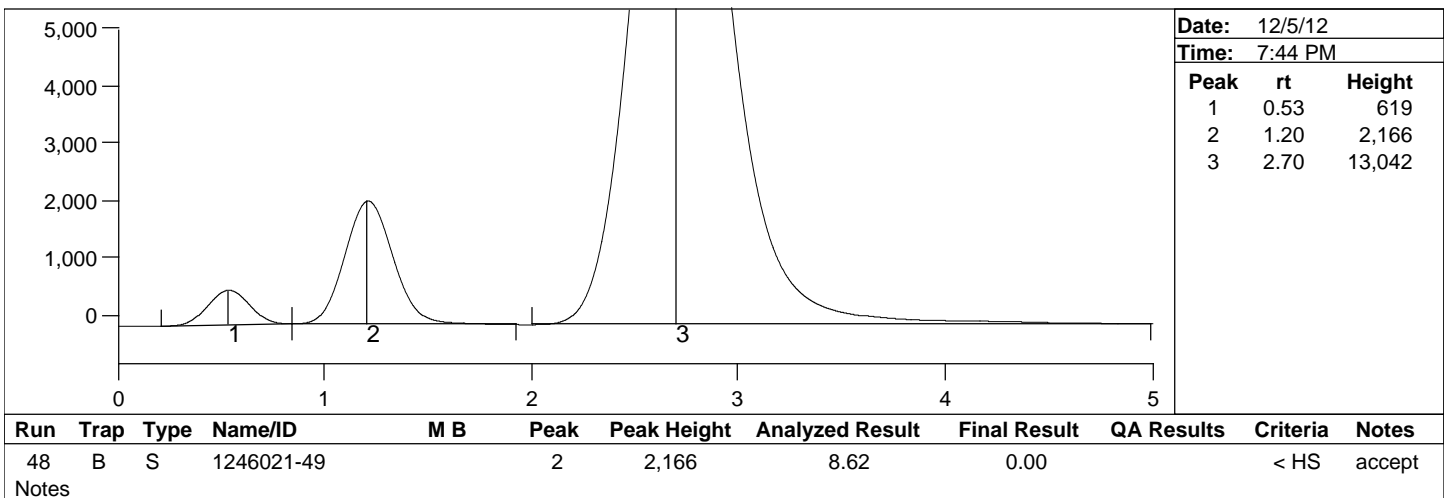
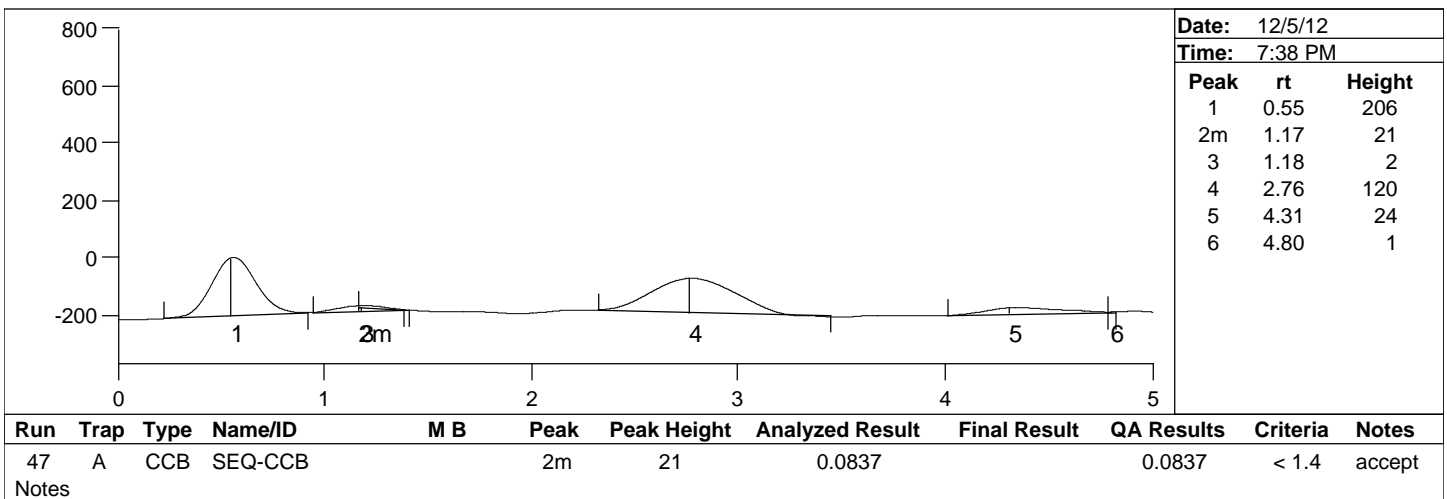
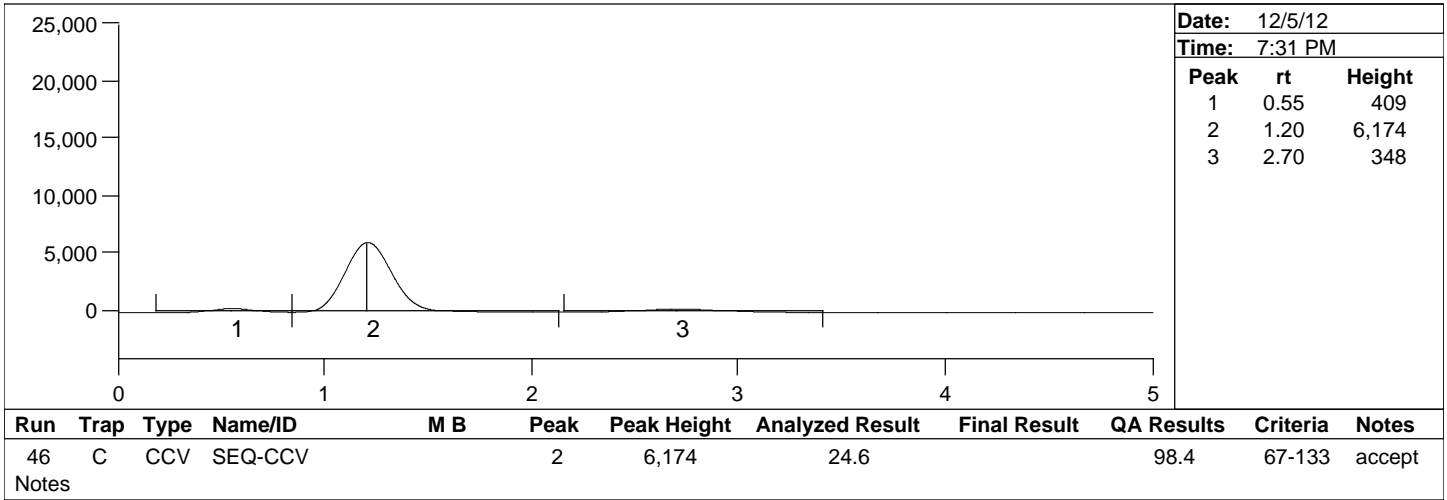


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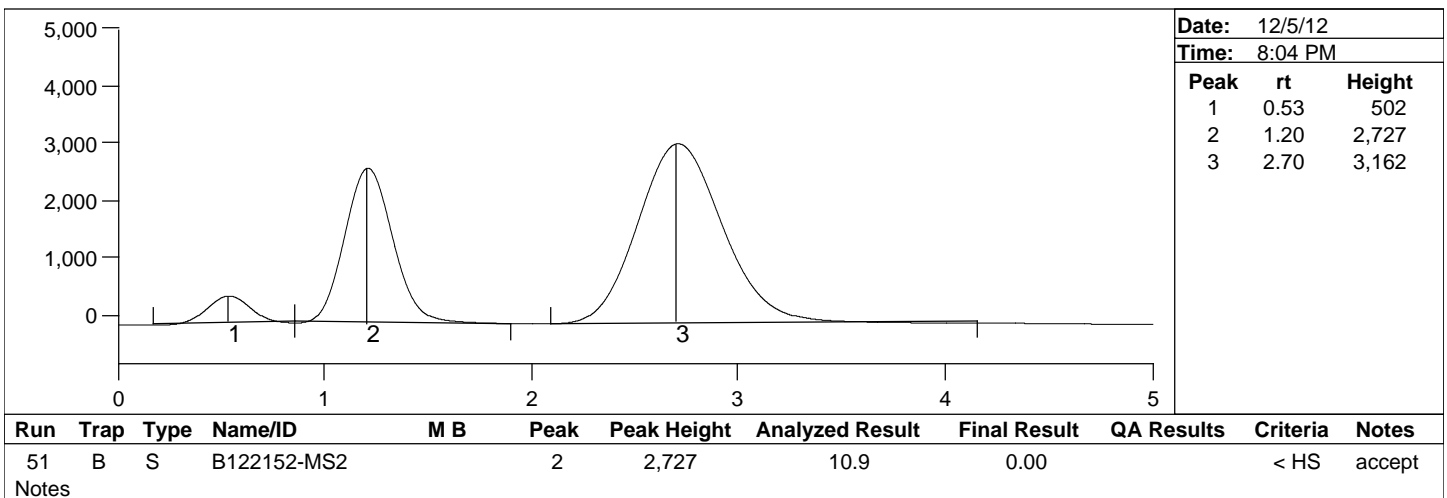
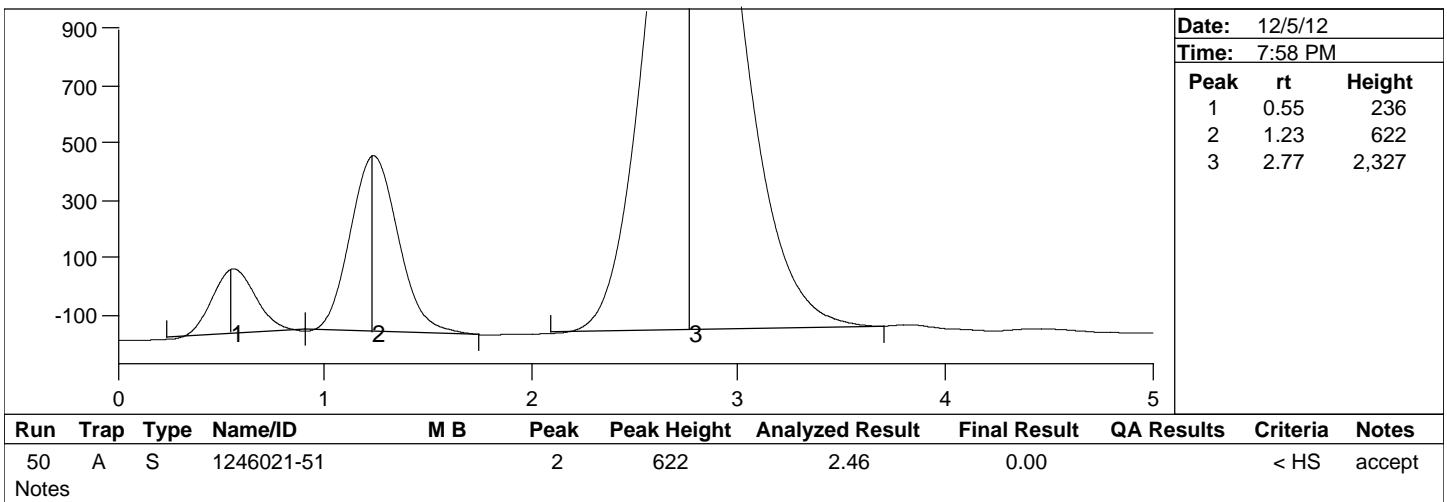
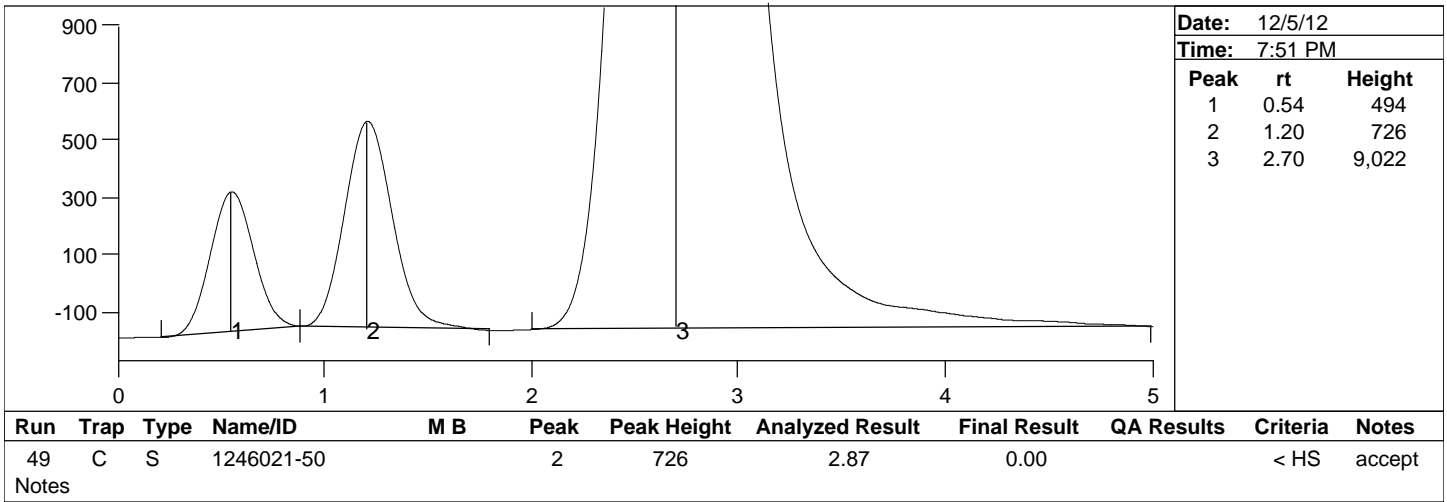


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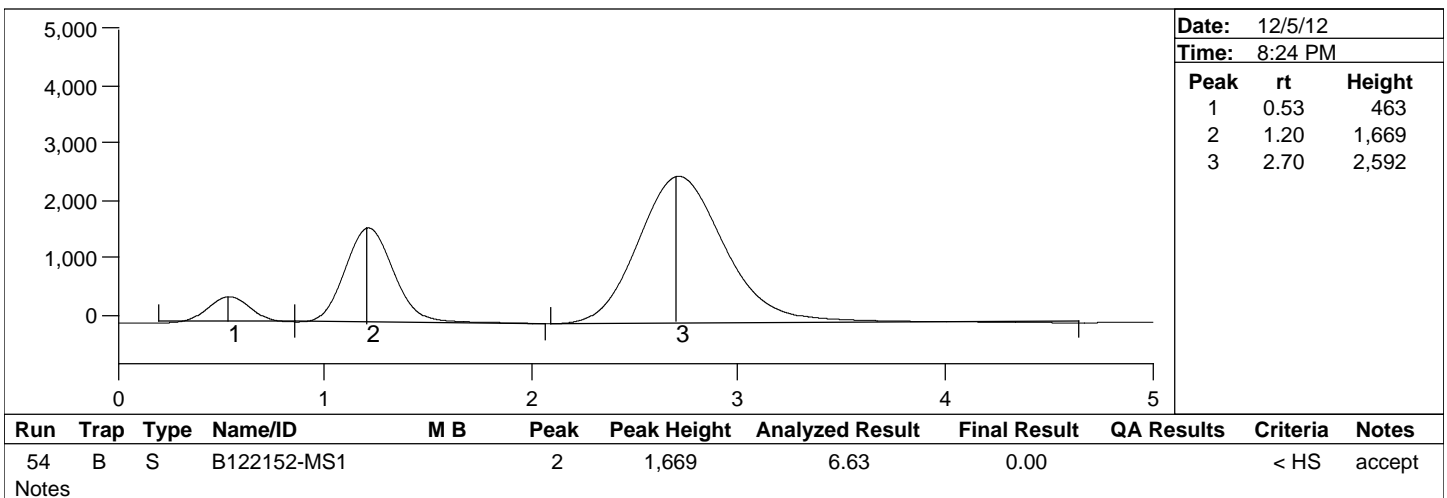
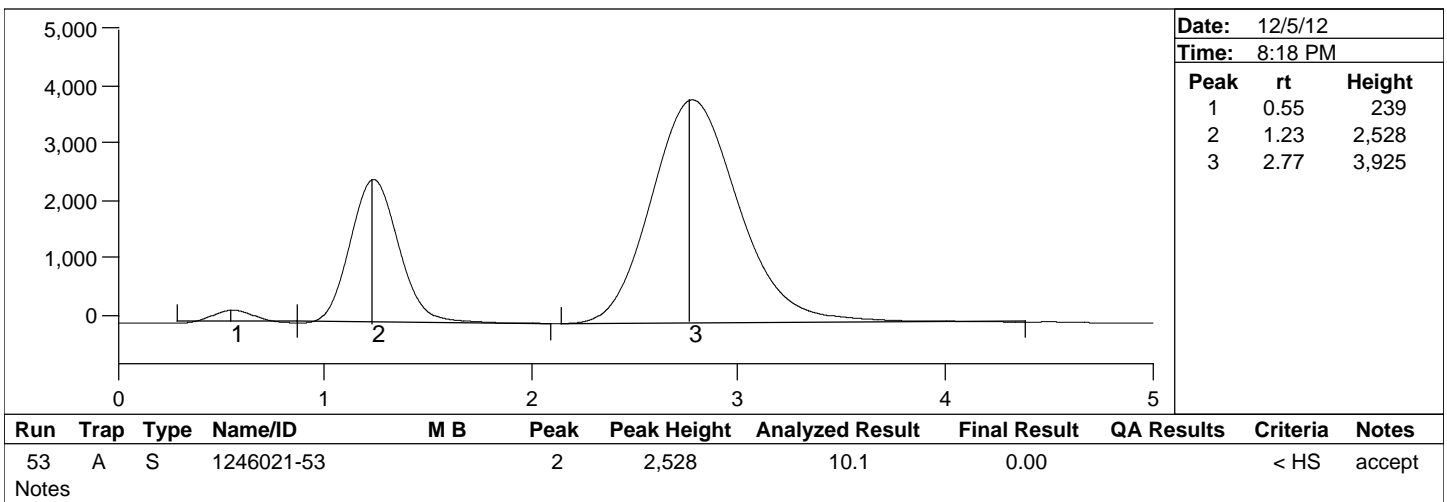
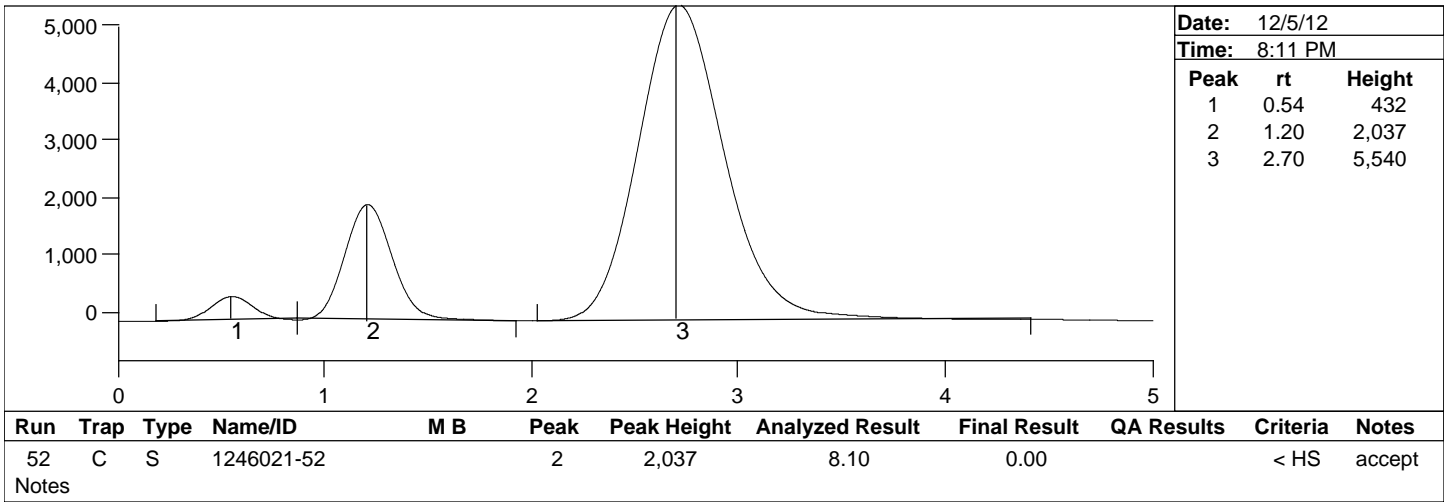


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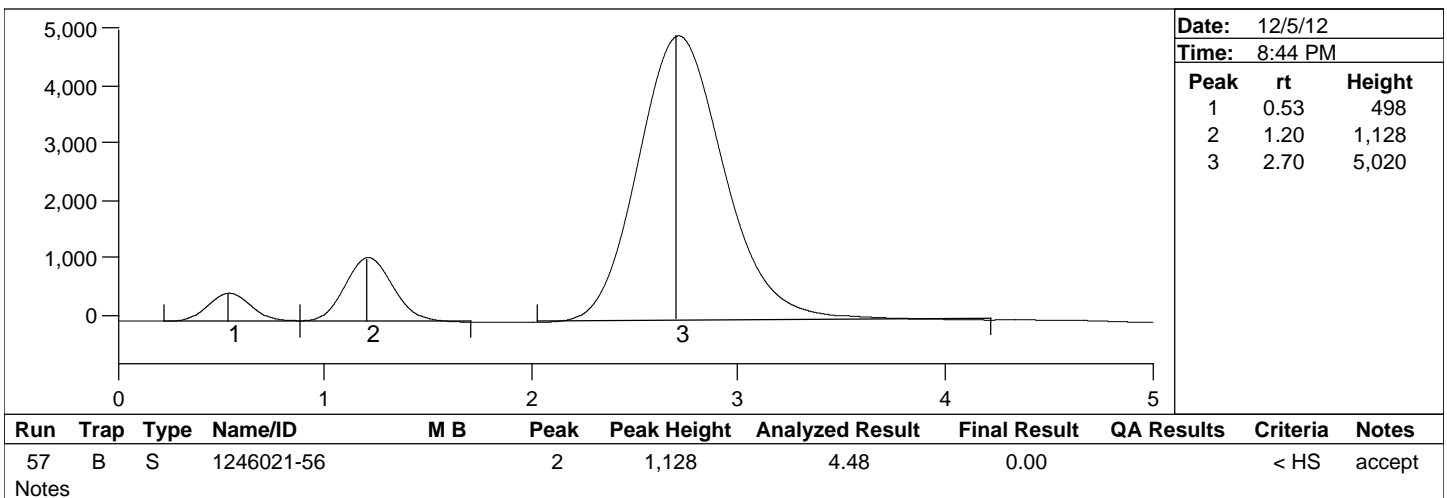
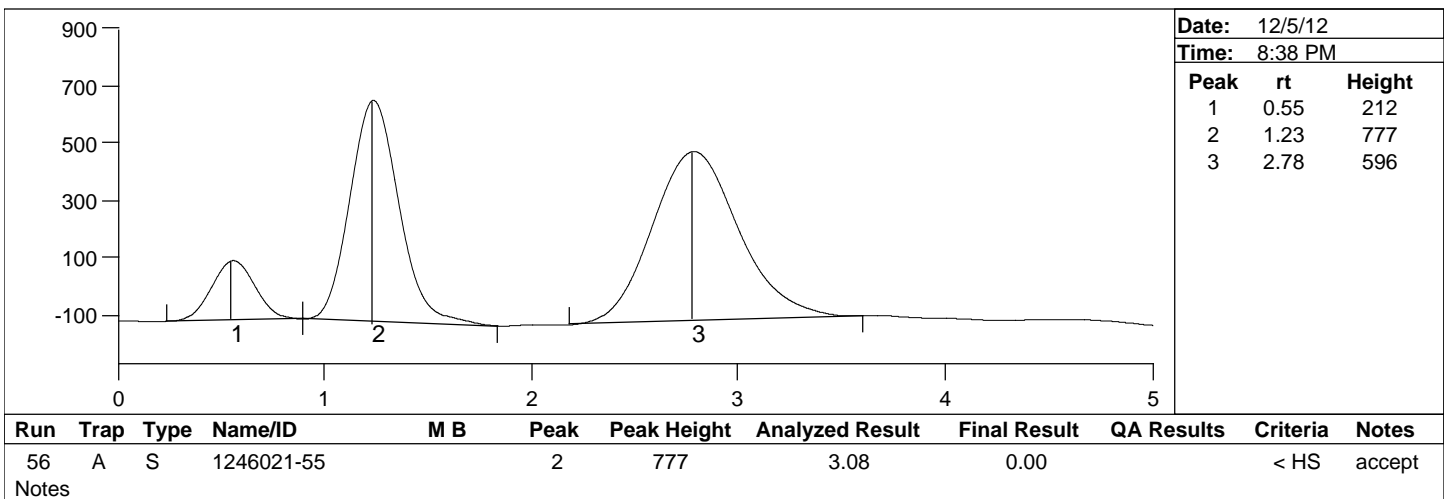
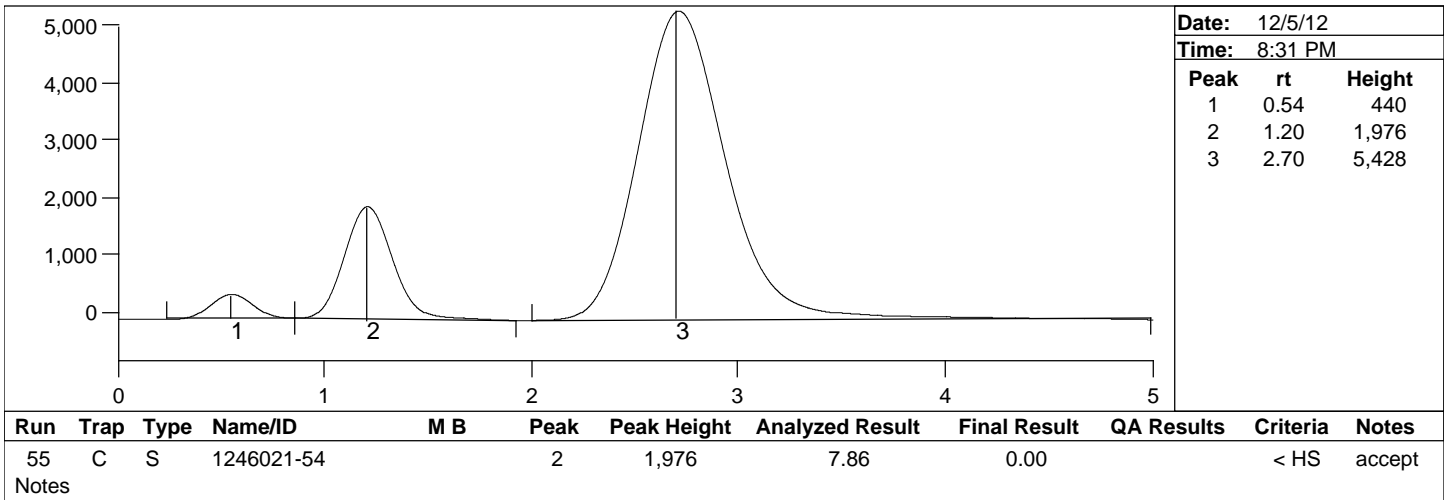


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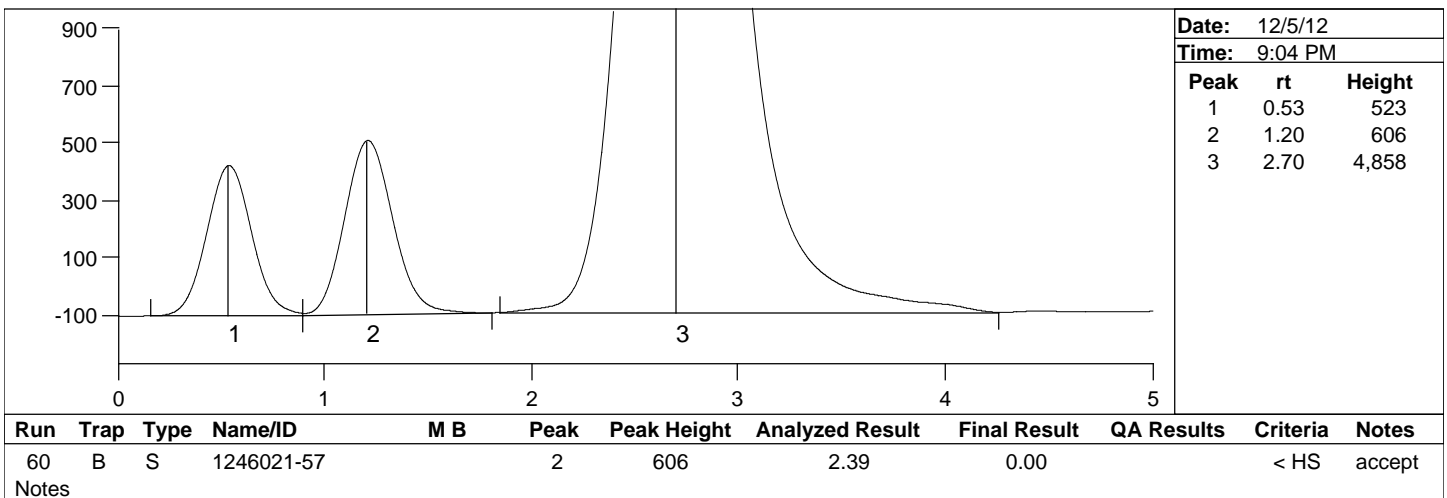
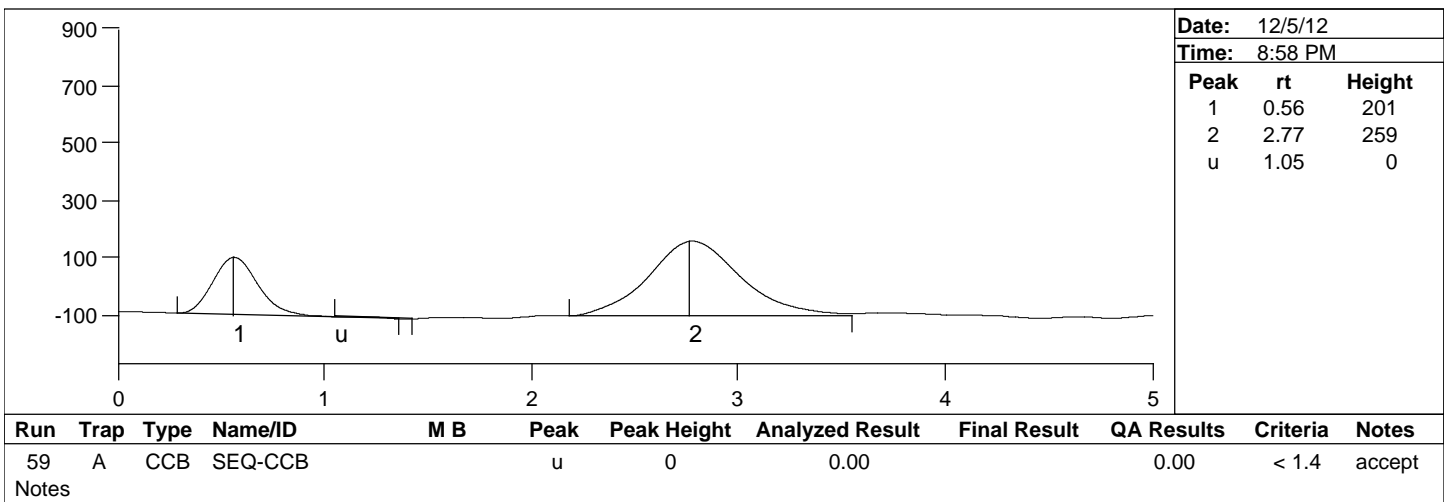
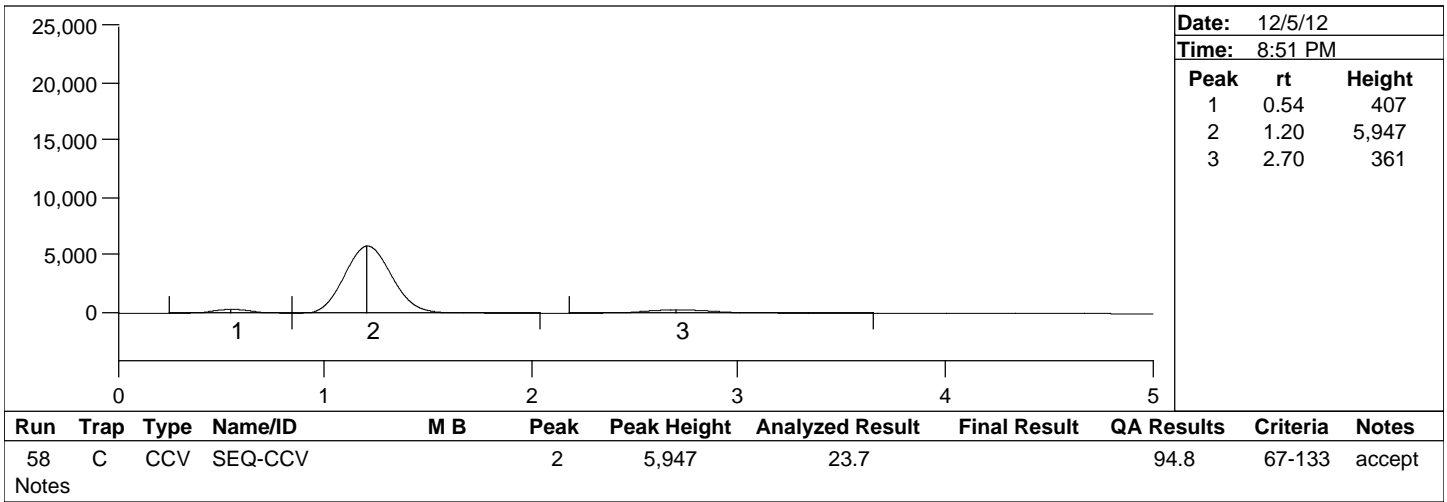


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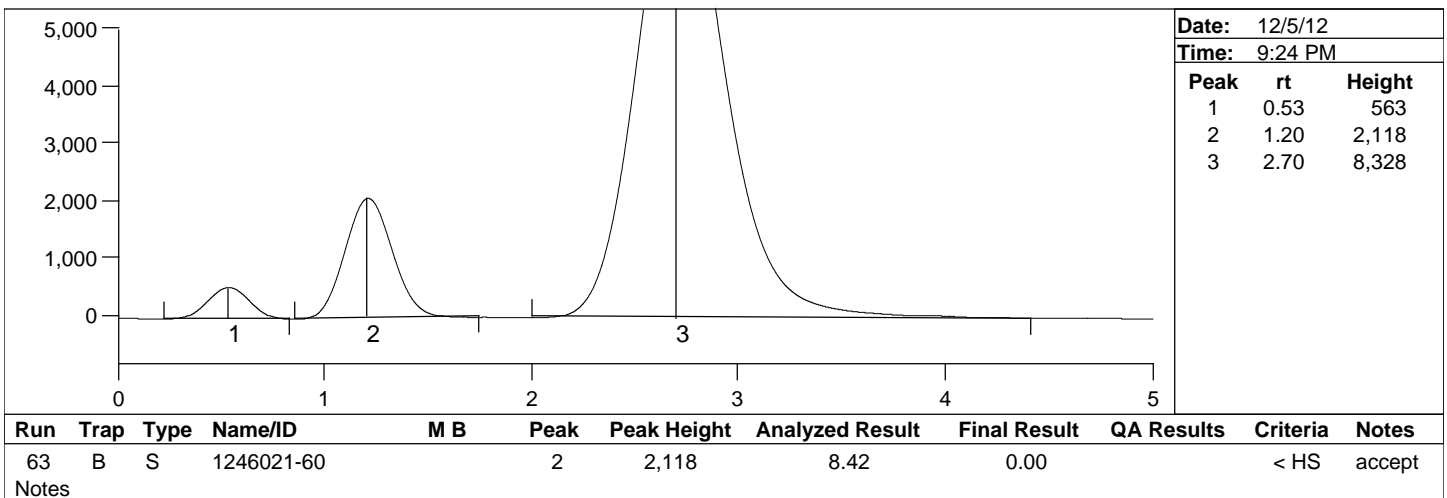
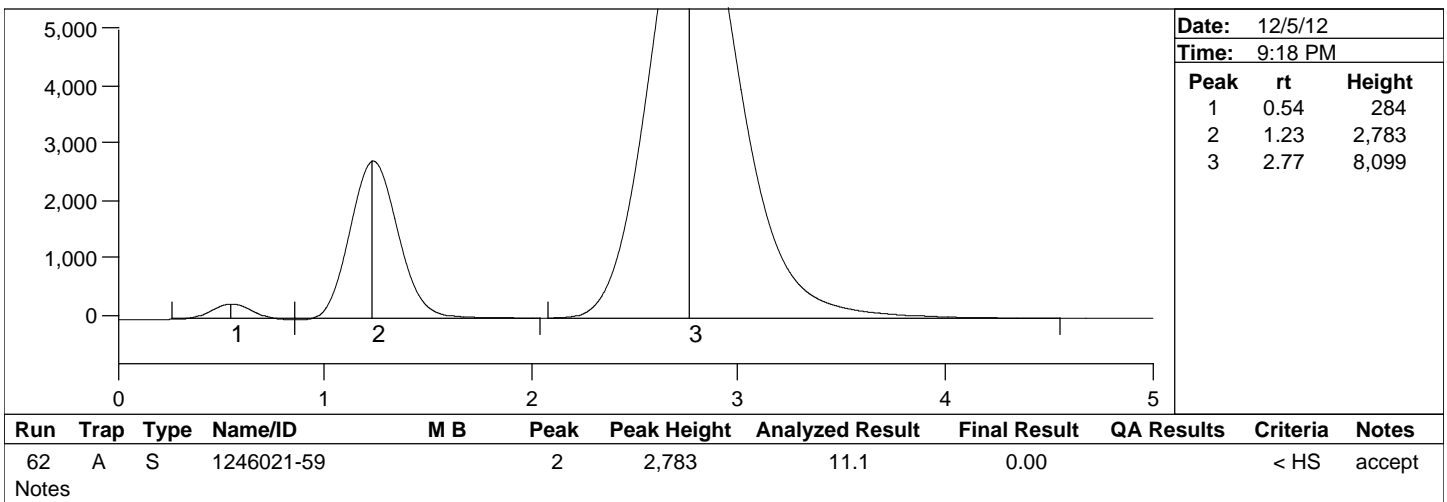
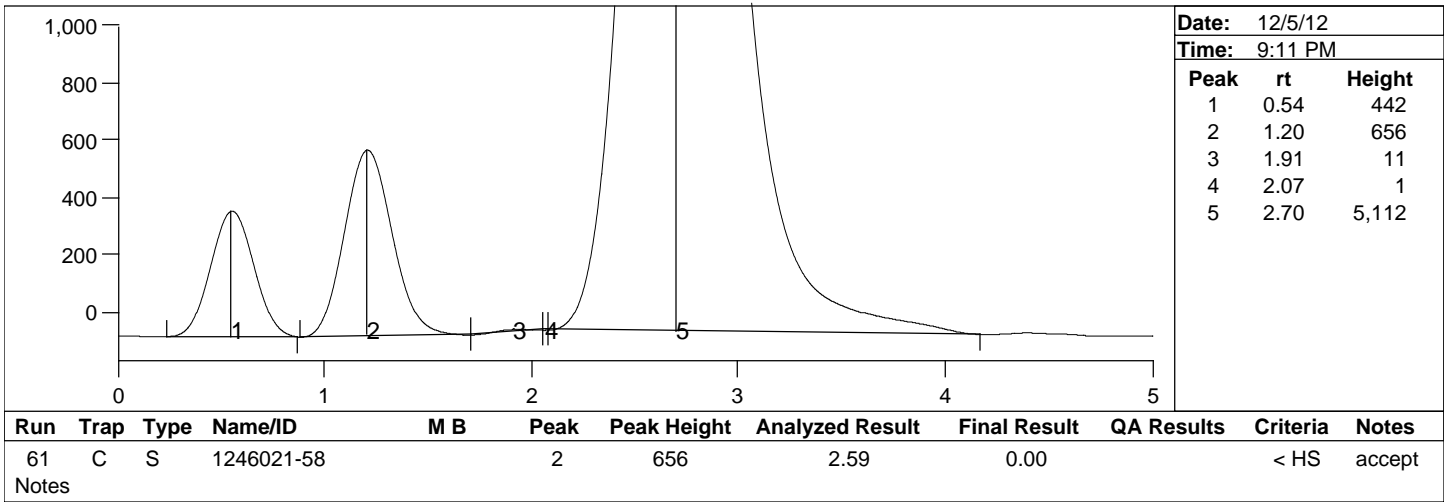


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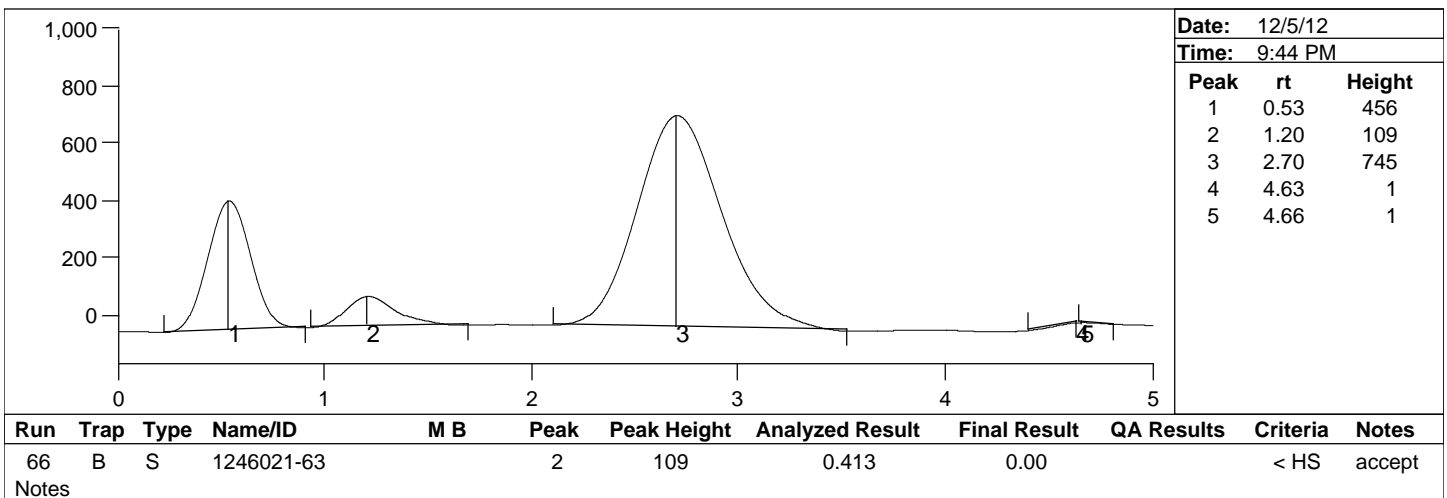
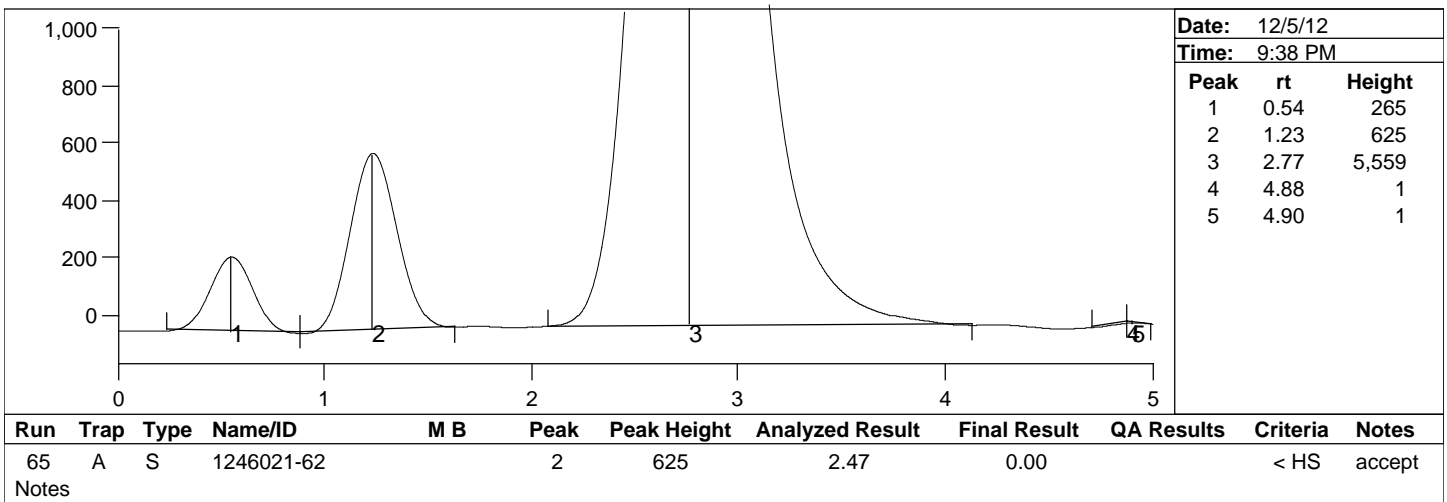
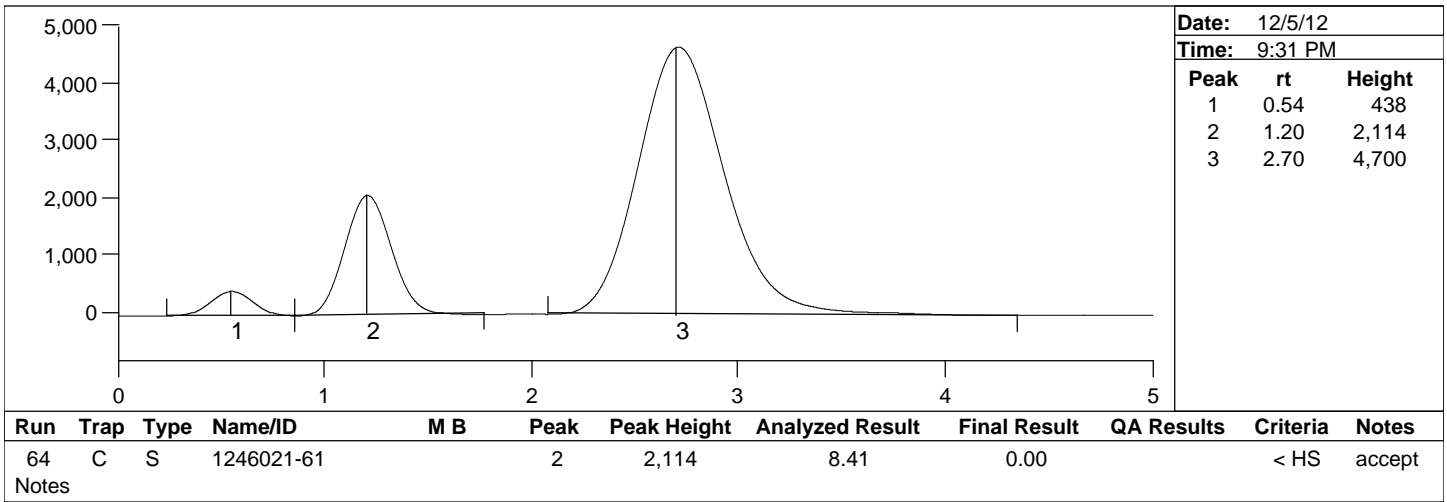


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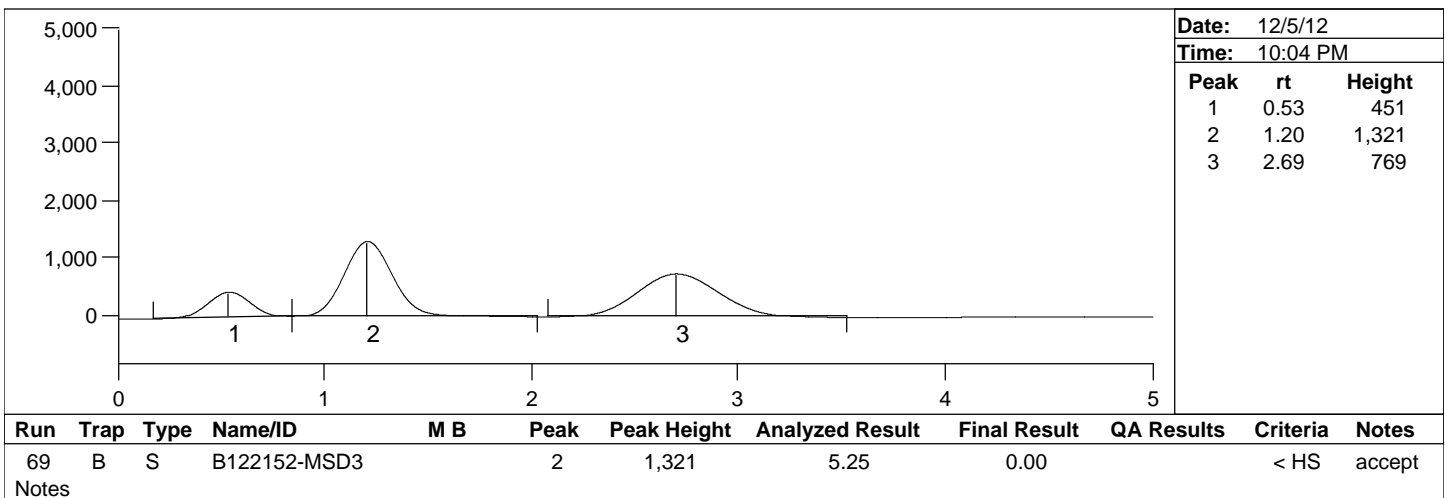
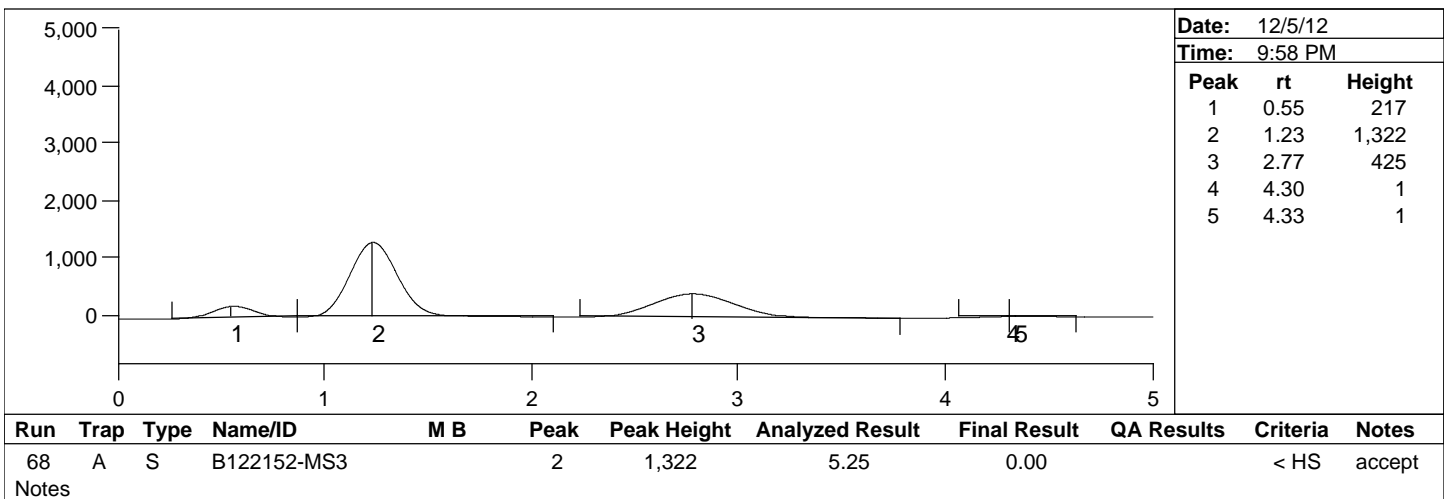
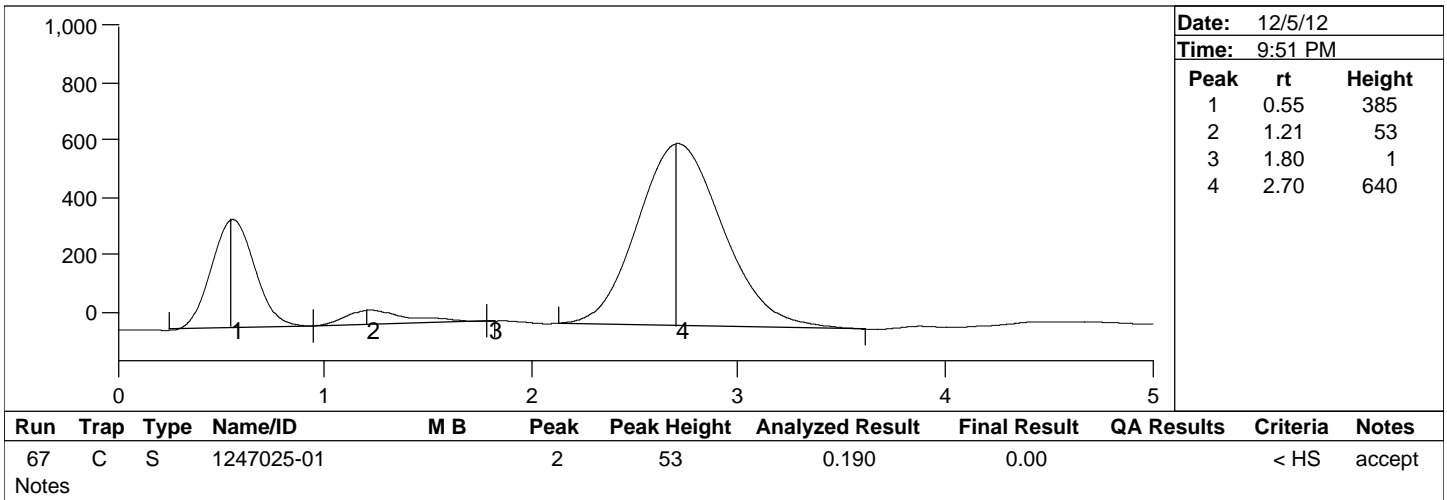


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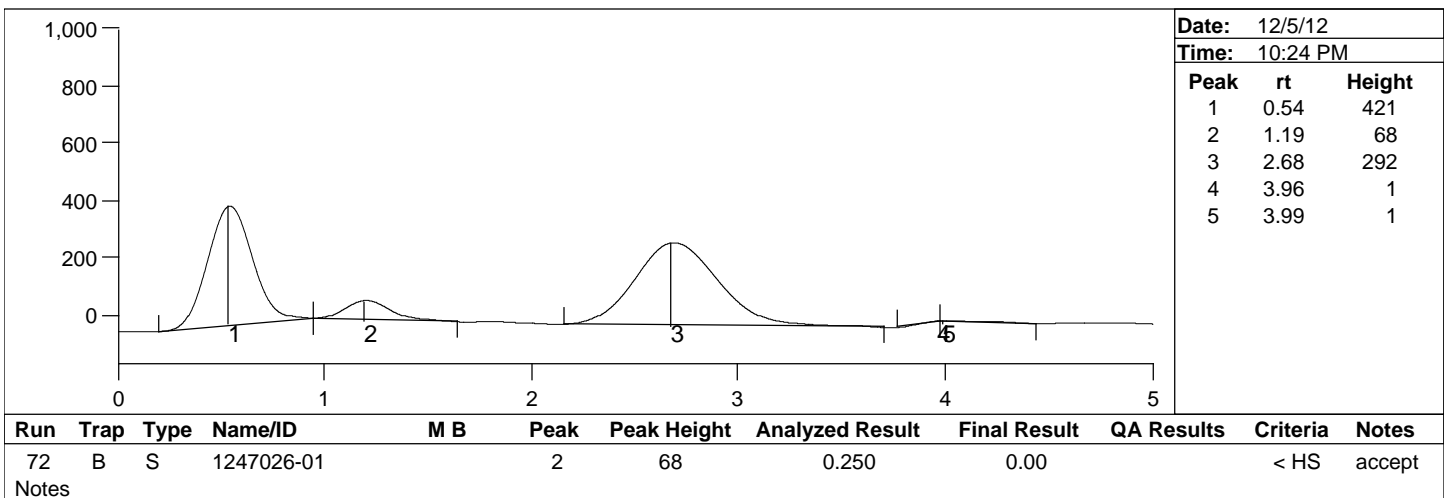
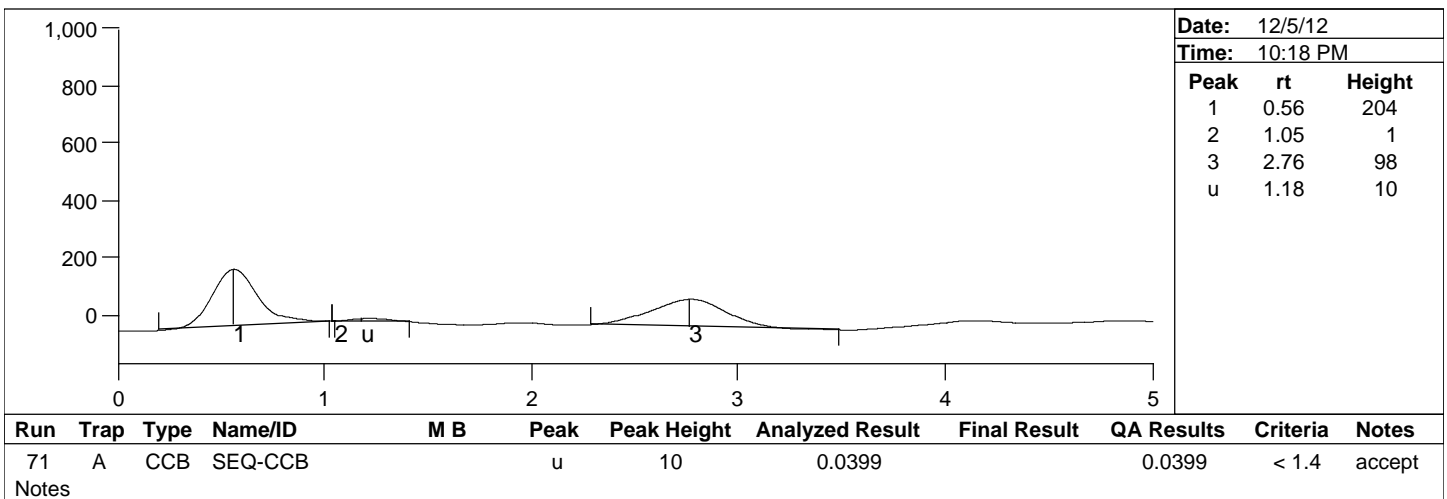
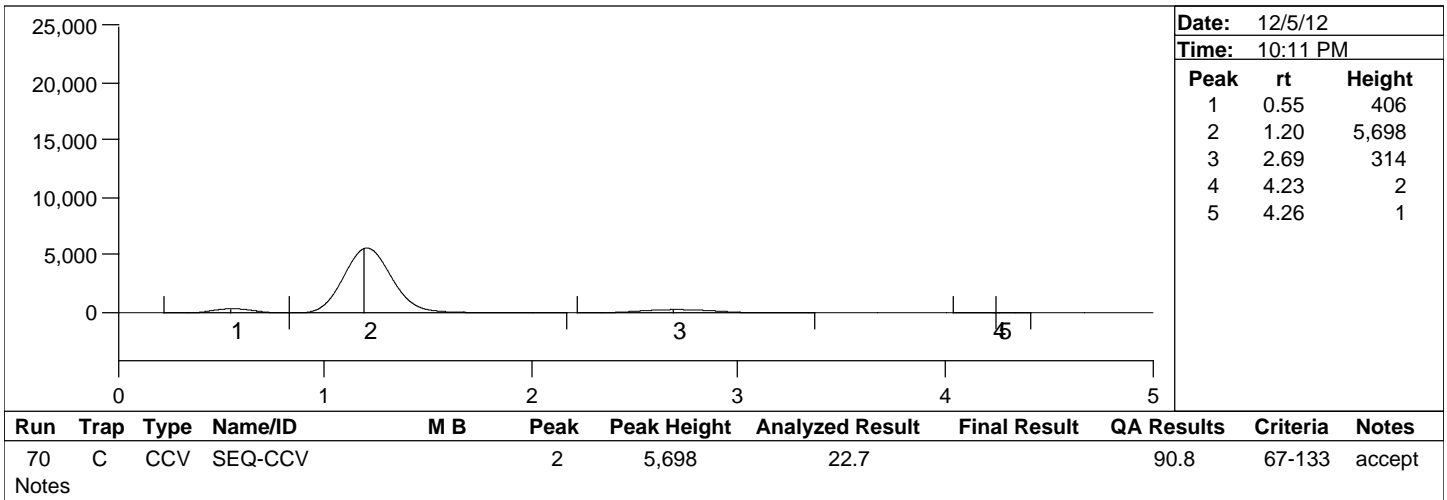


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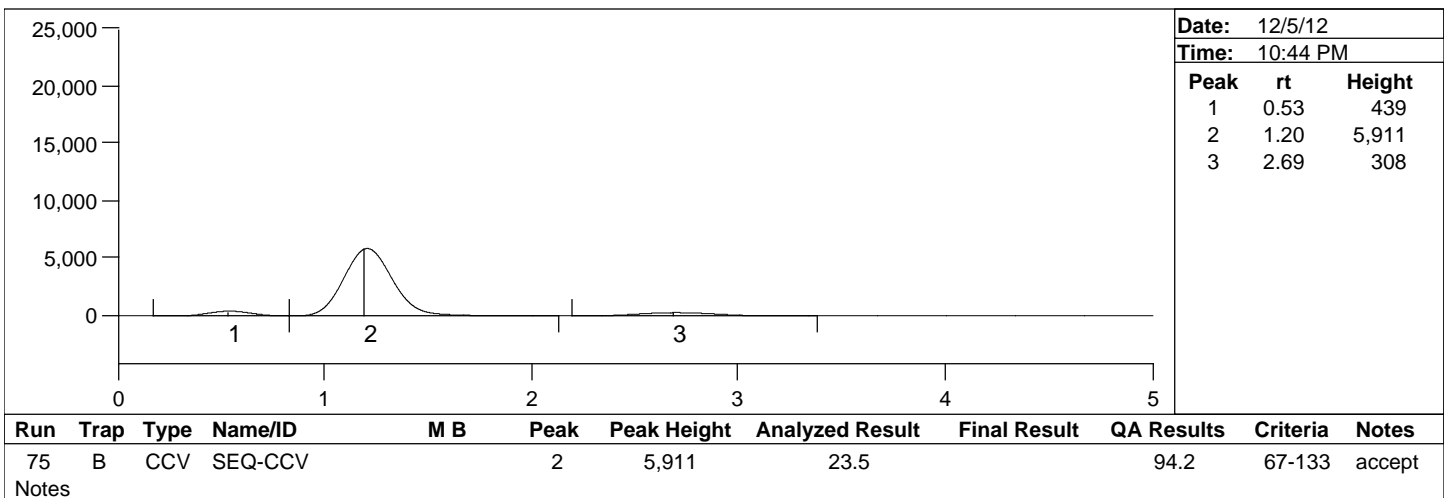
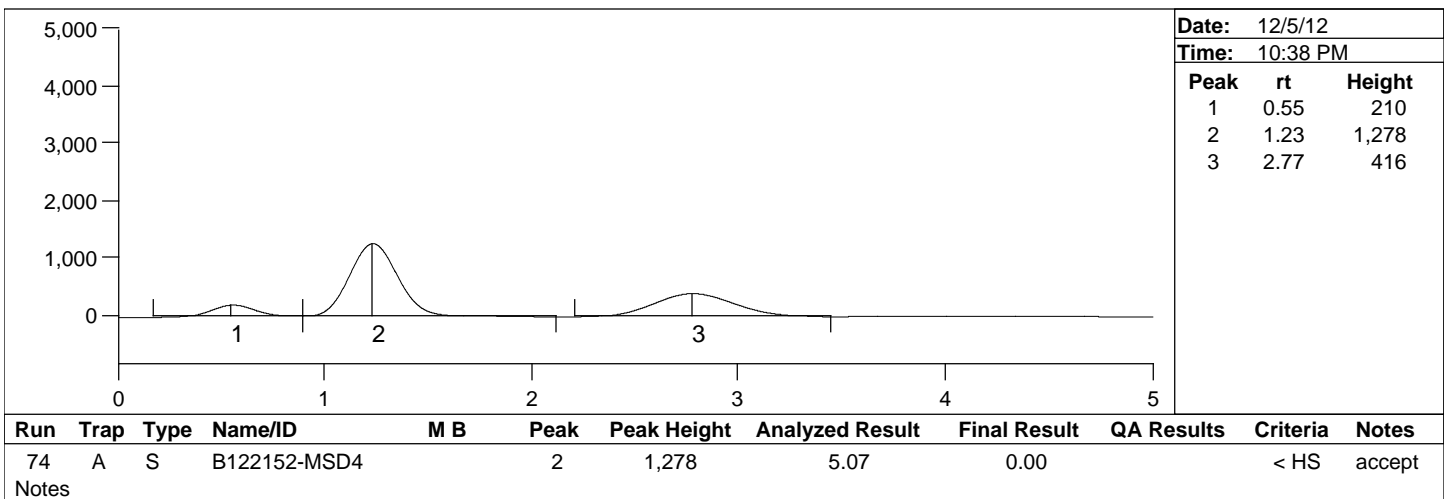
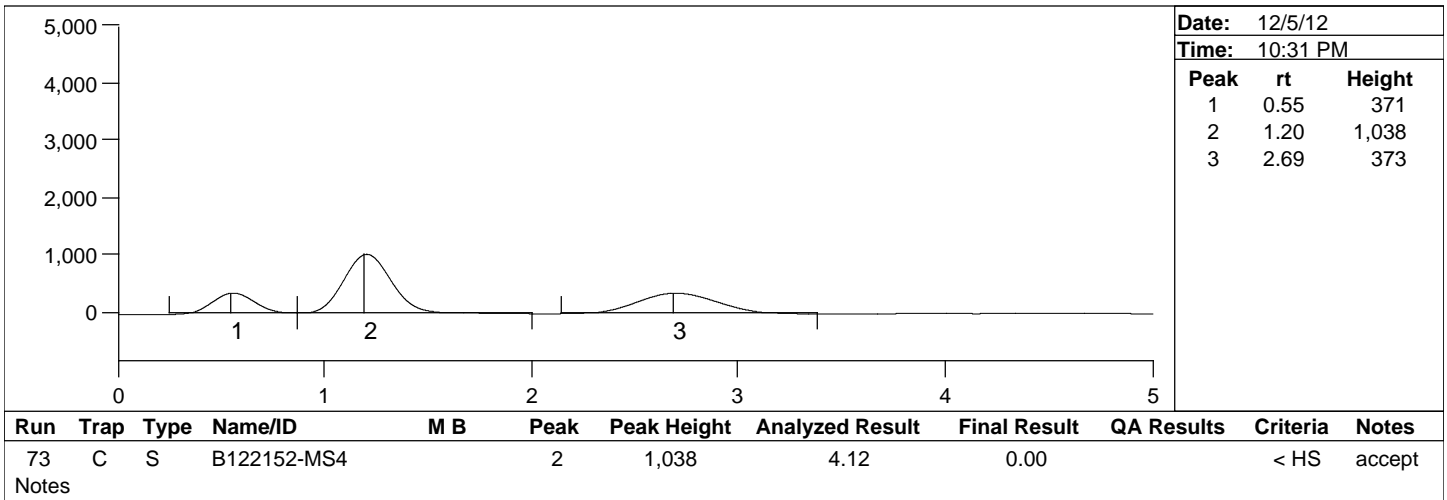


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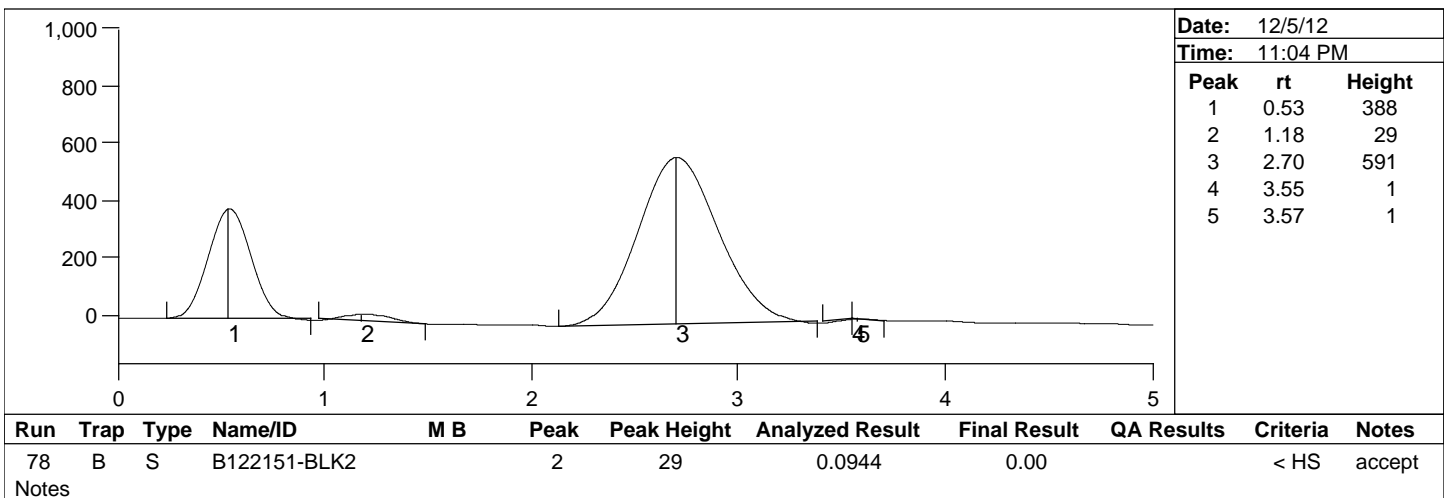
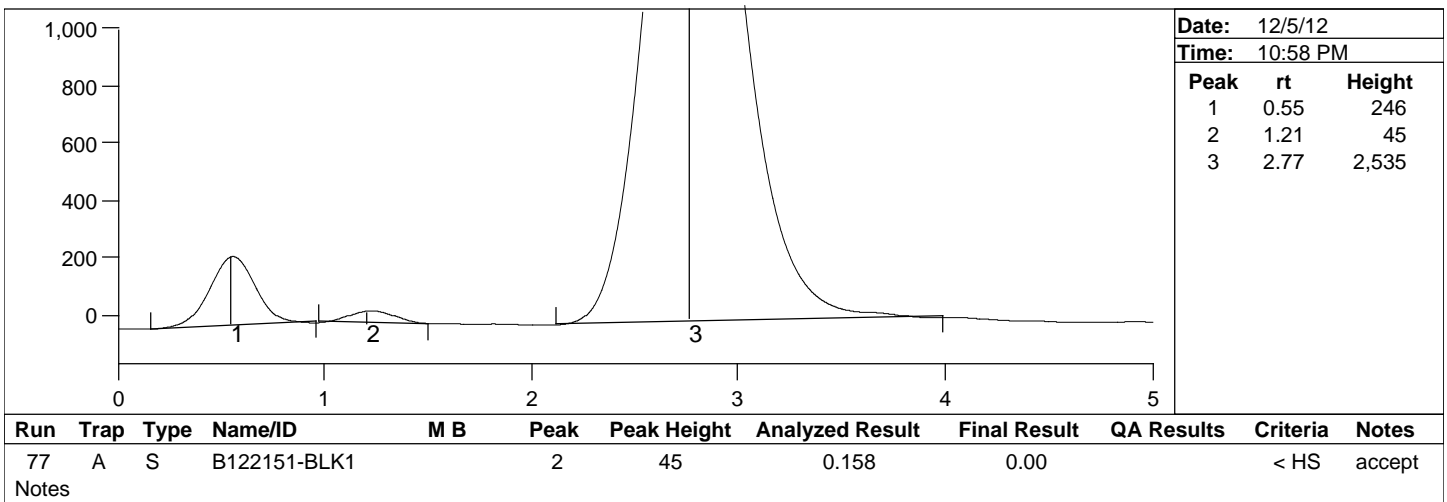
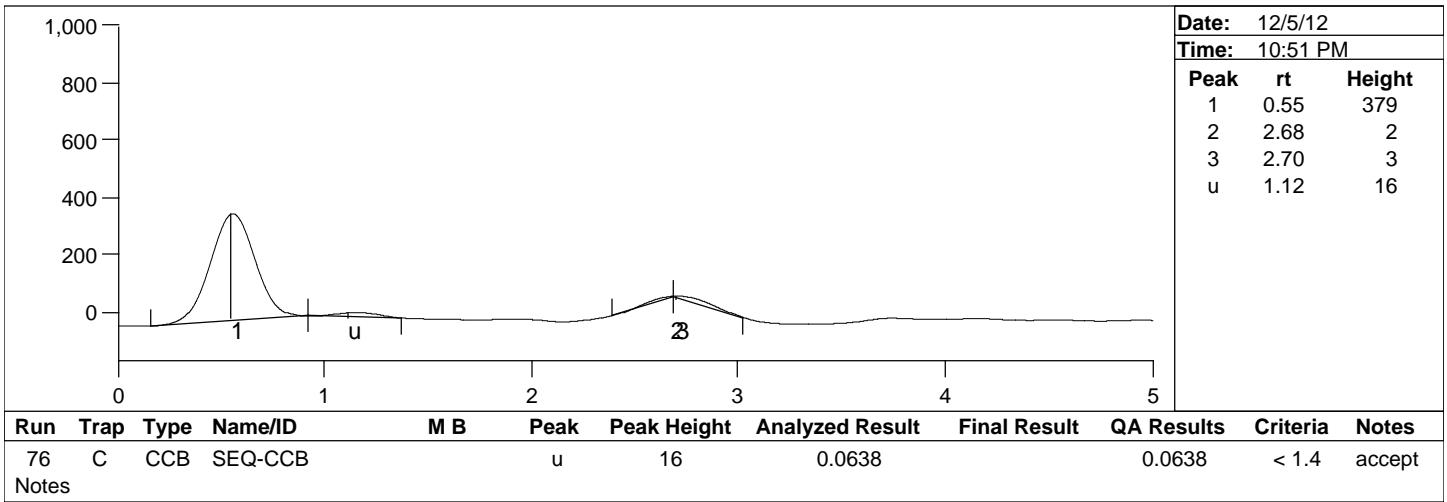


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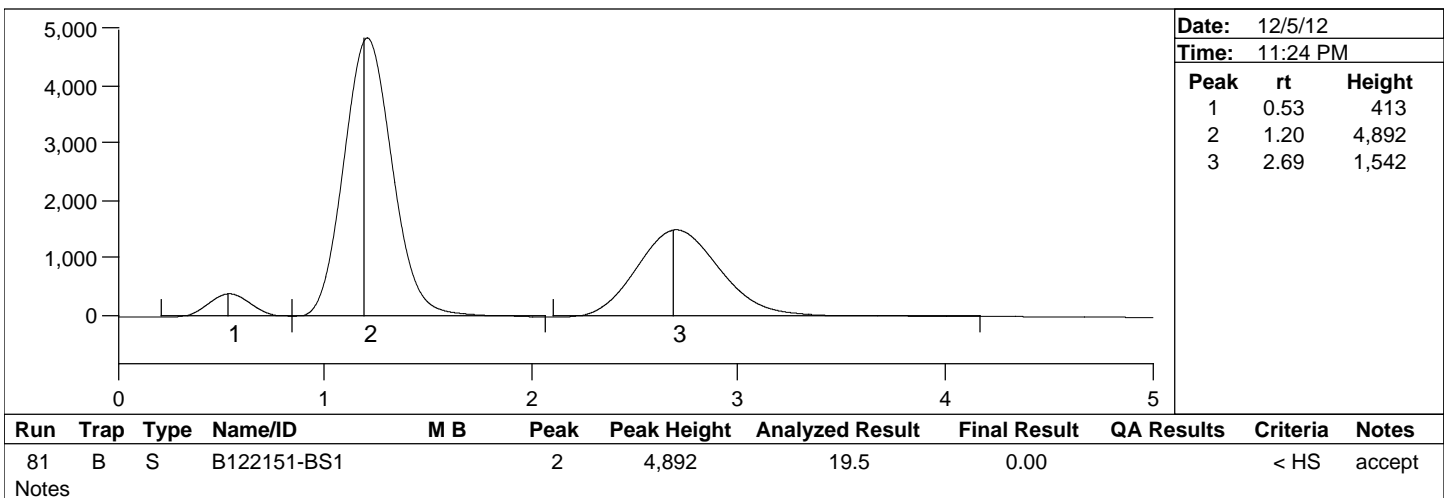
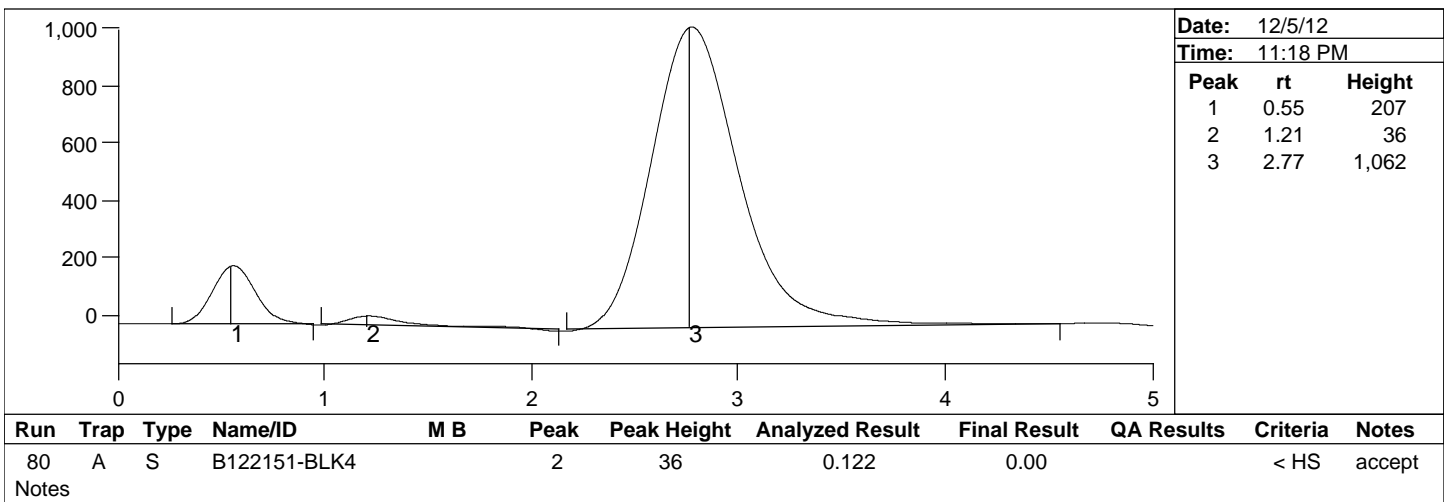
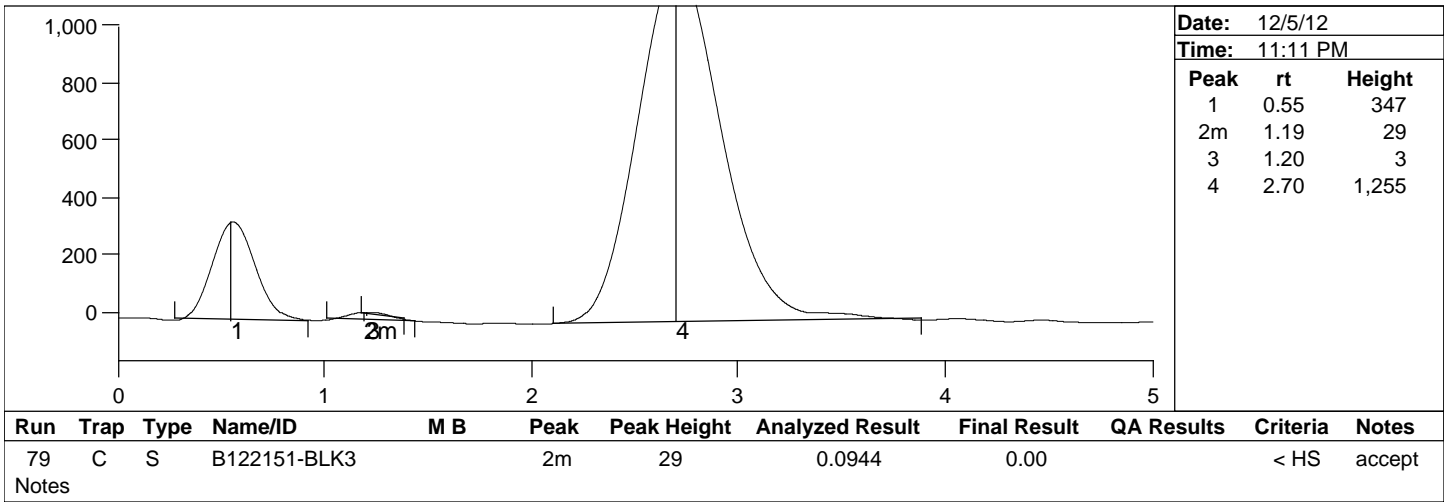


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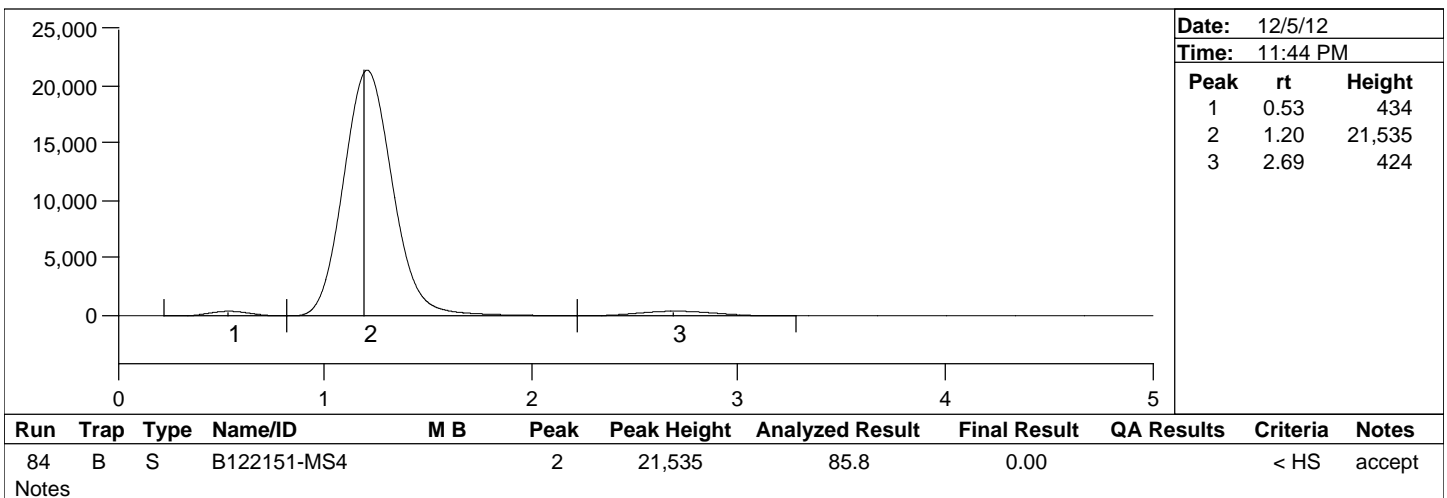
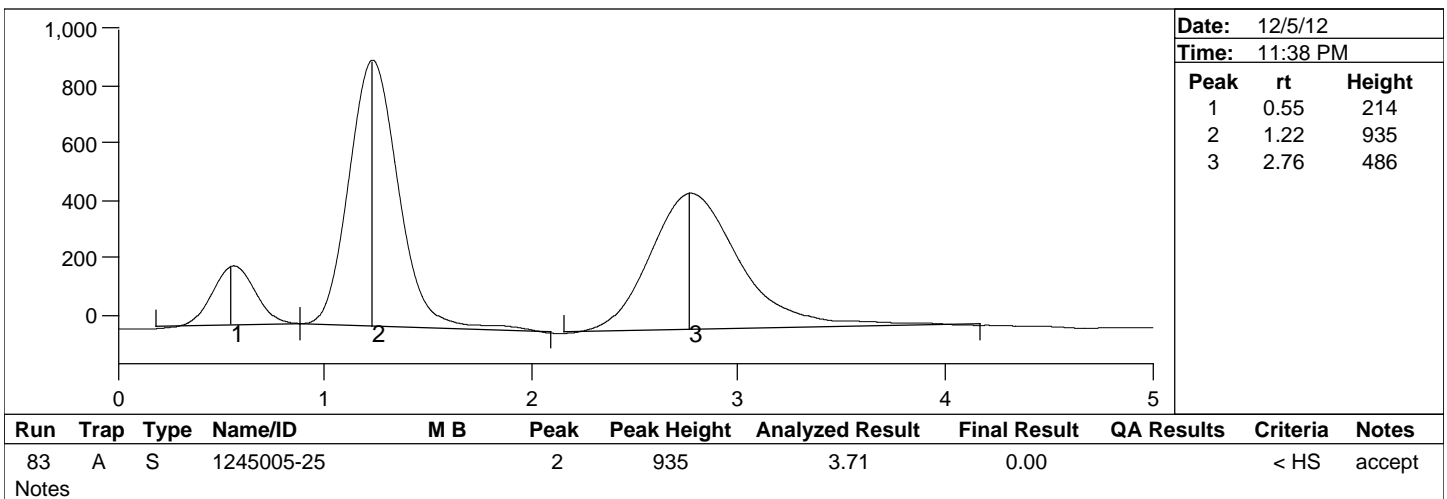
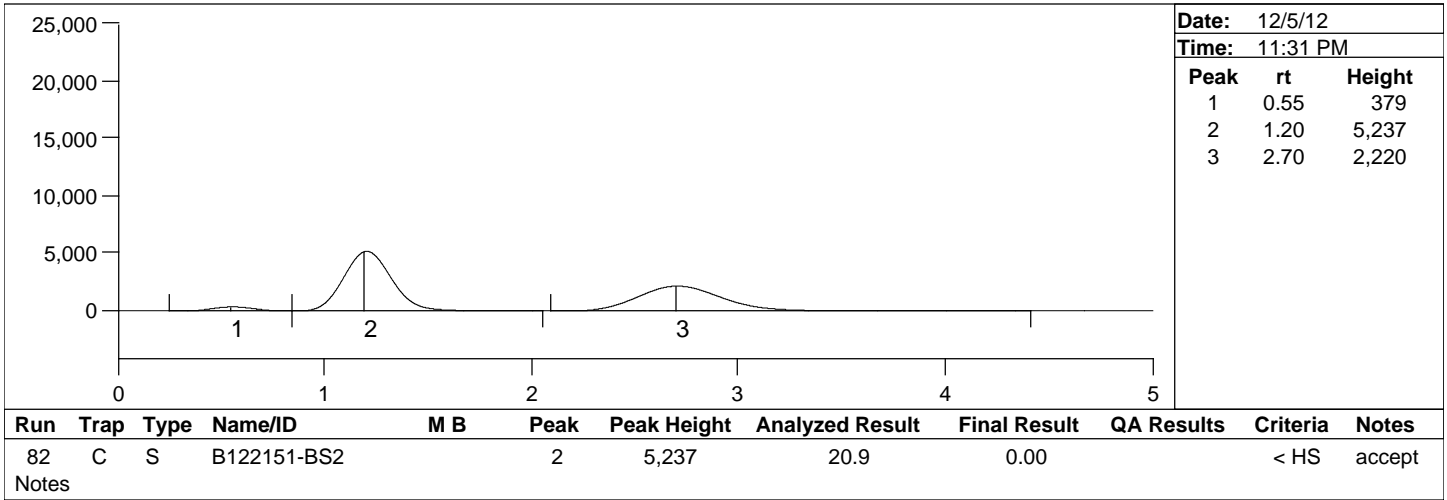


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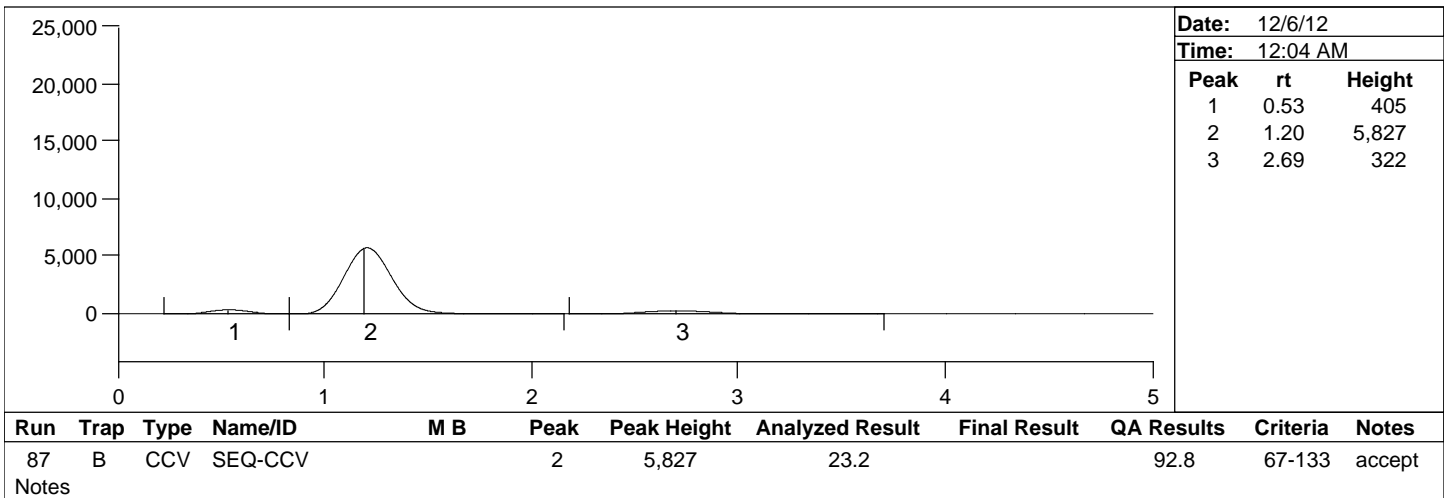
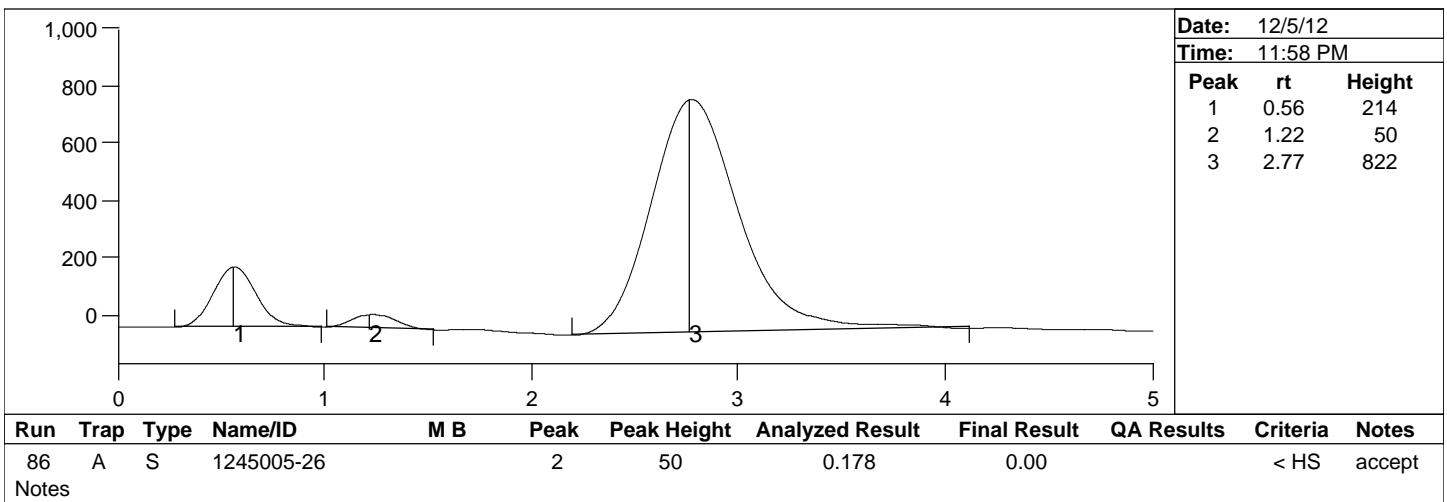
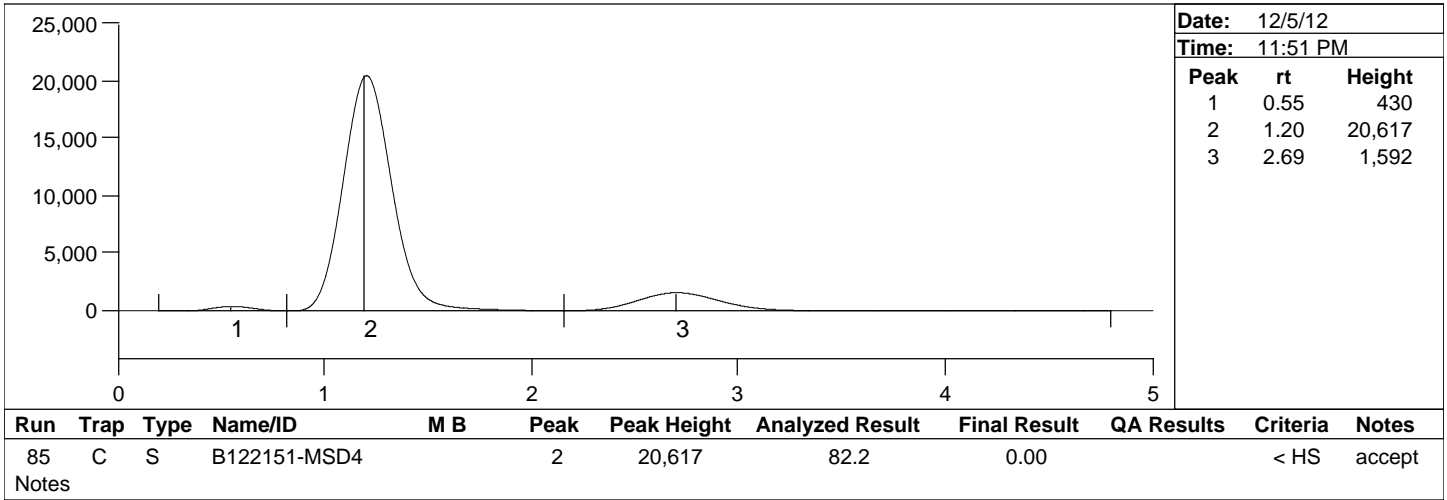


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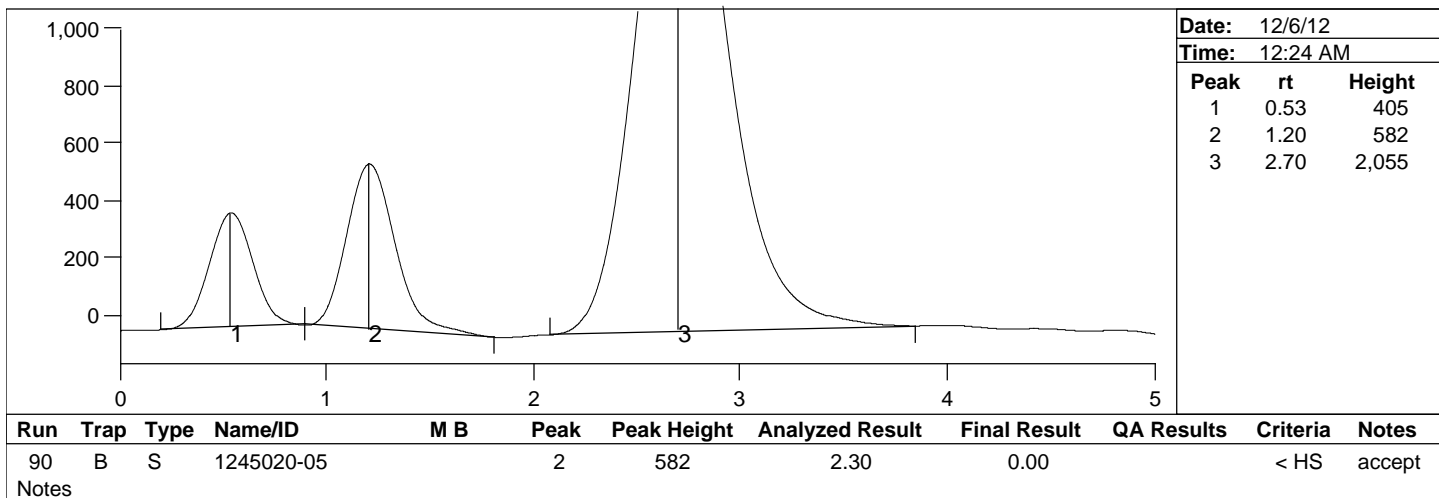
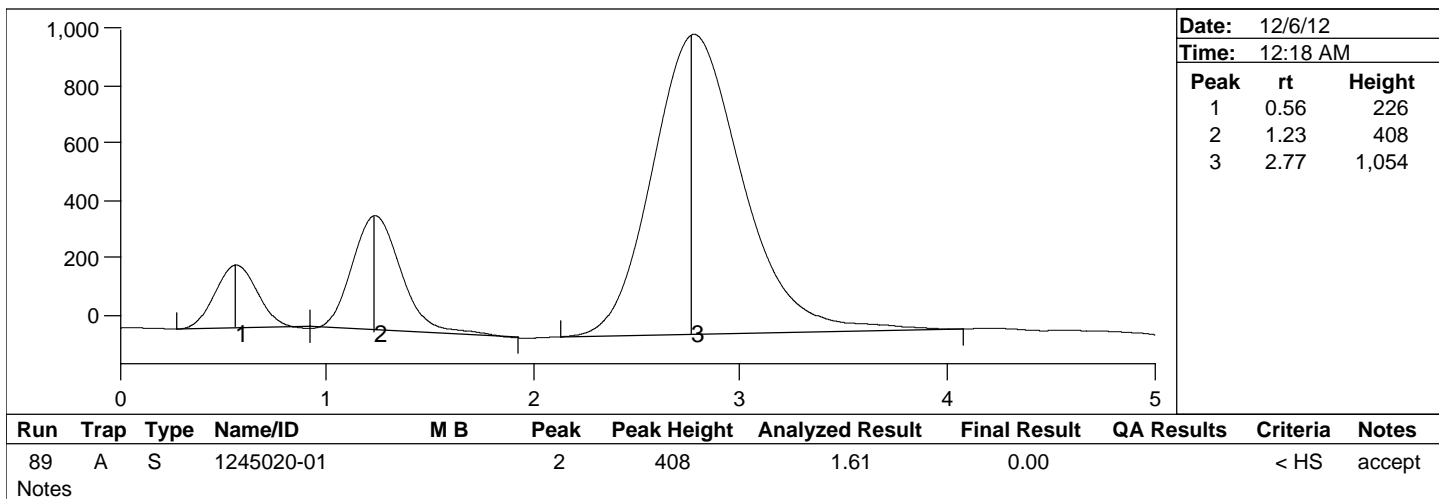
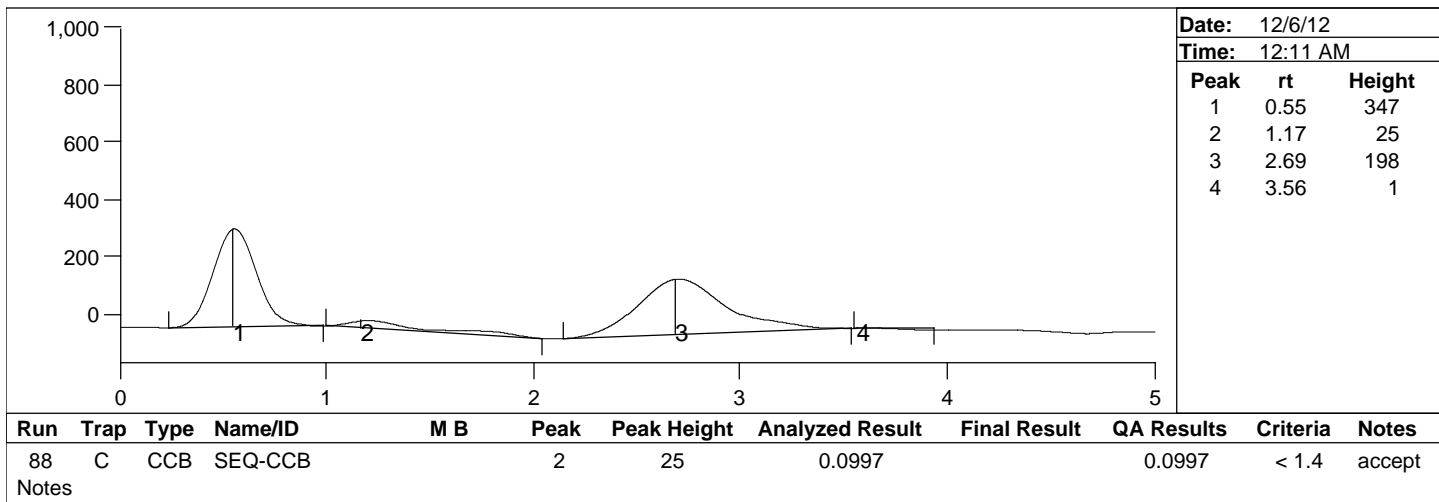


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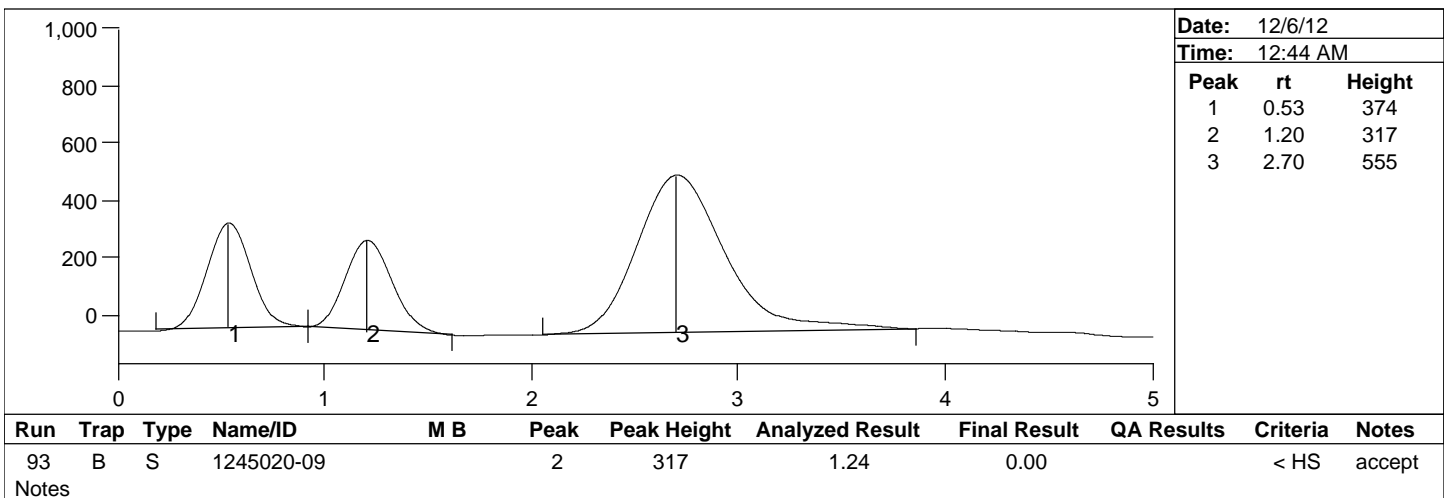
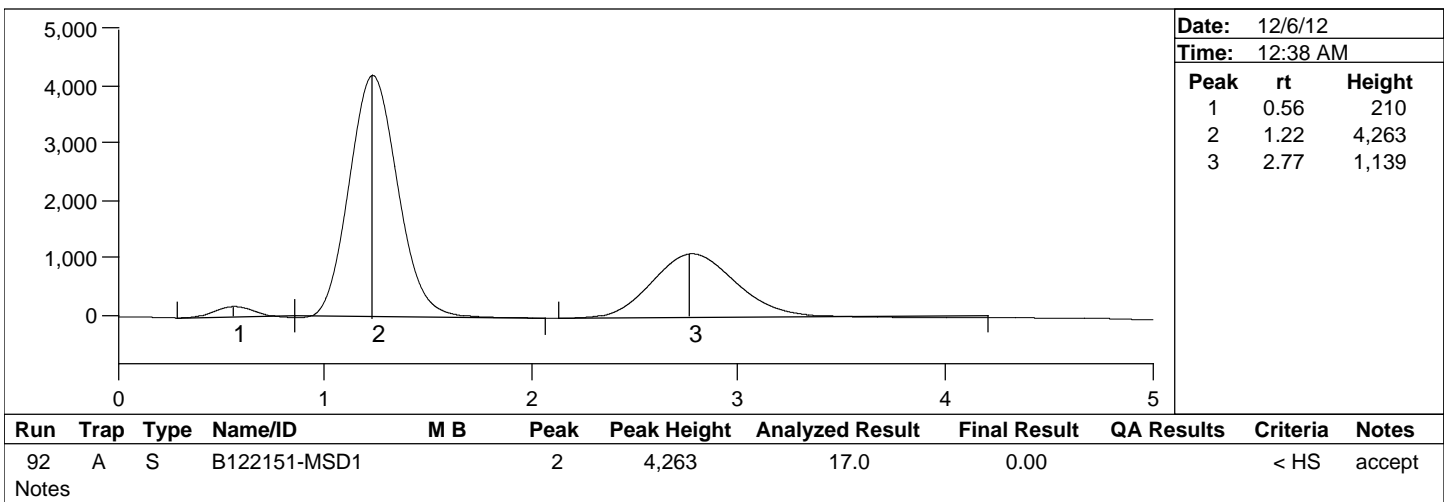
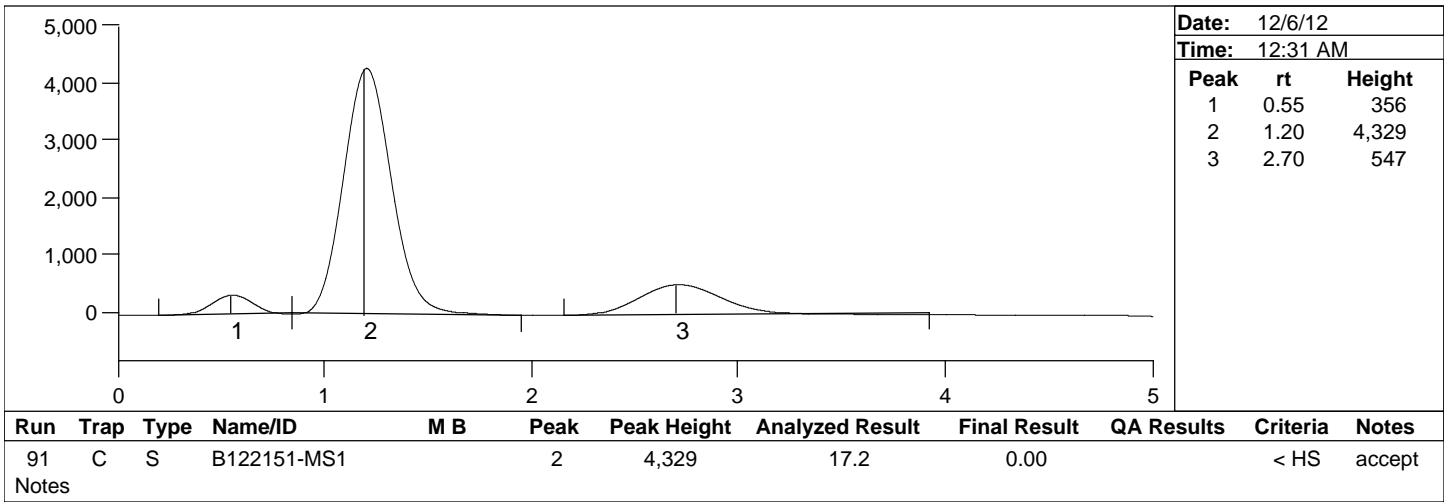


Peak Report

Batch Number: B122152, 2151,
Method Number: CVAFS BR-0011

Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
Analyst Name: BJT

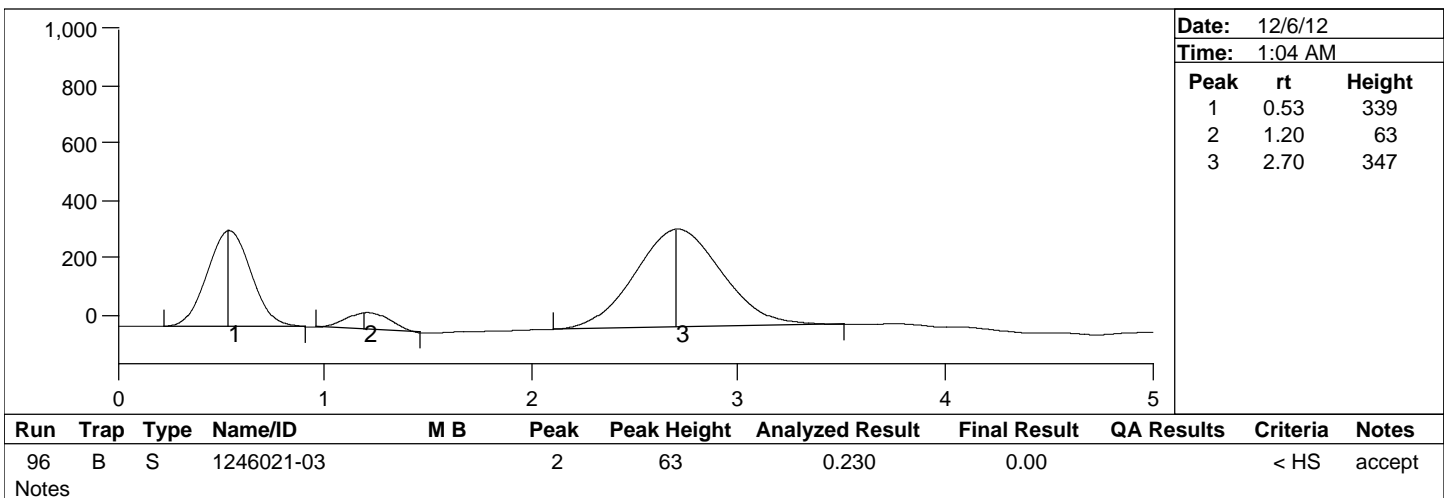
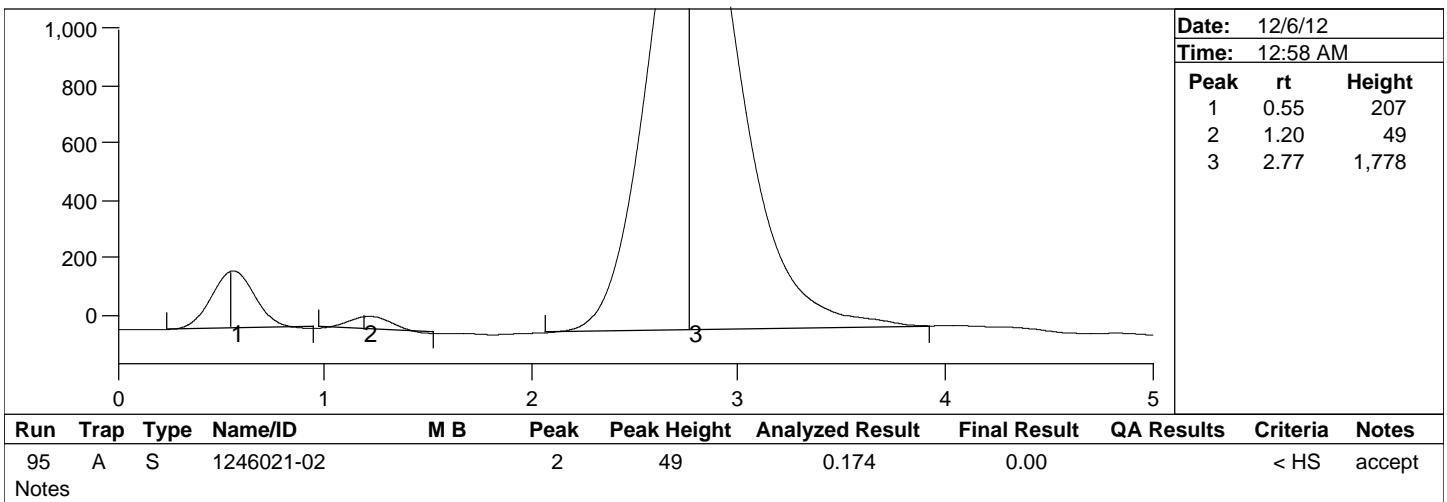
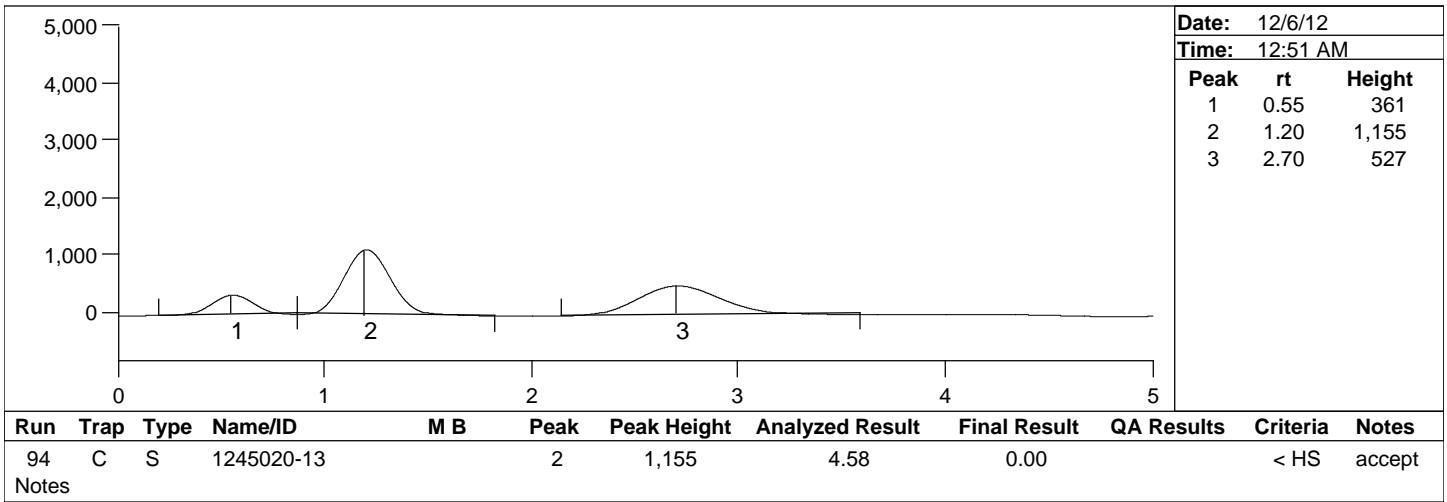


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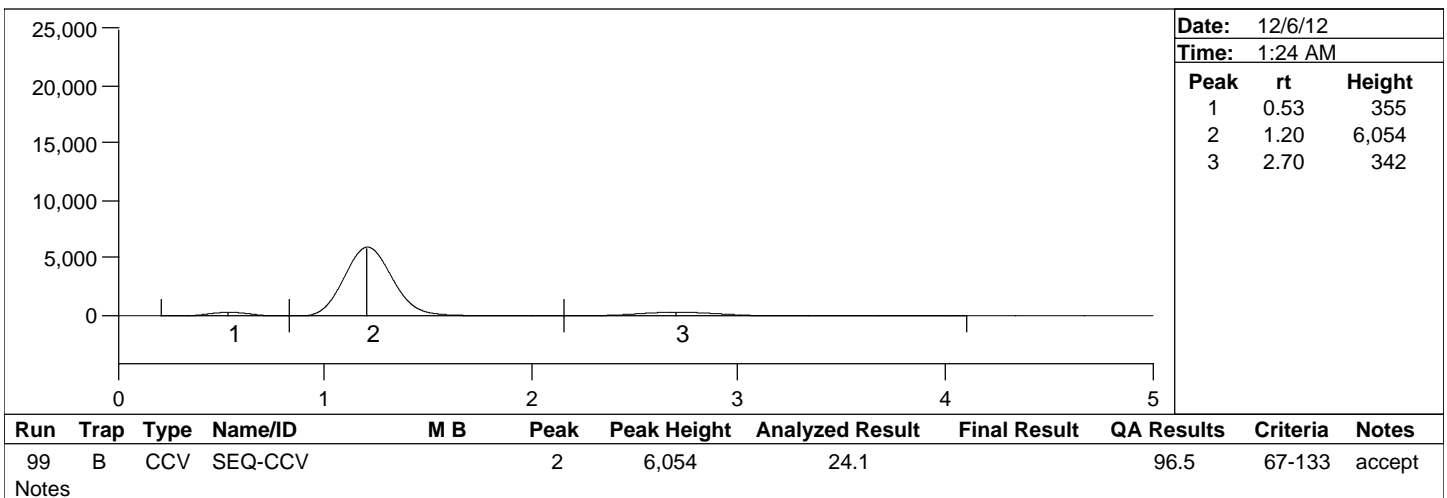
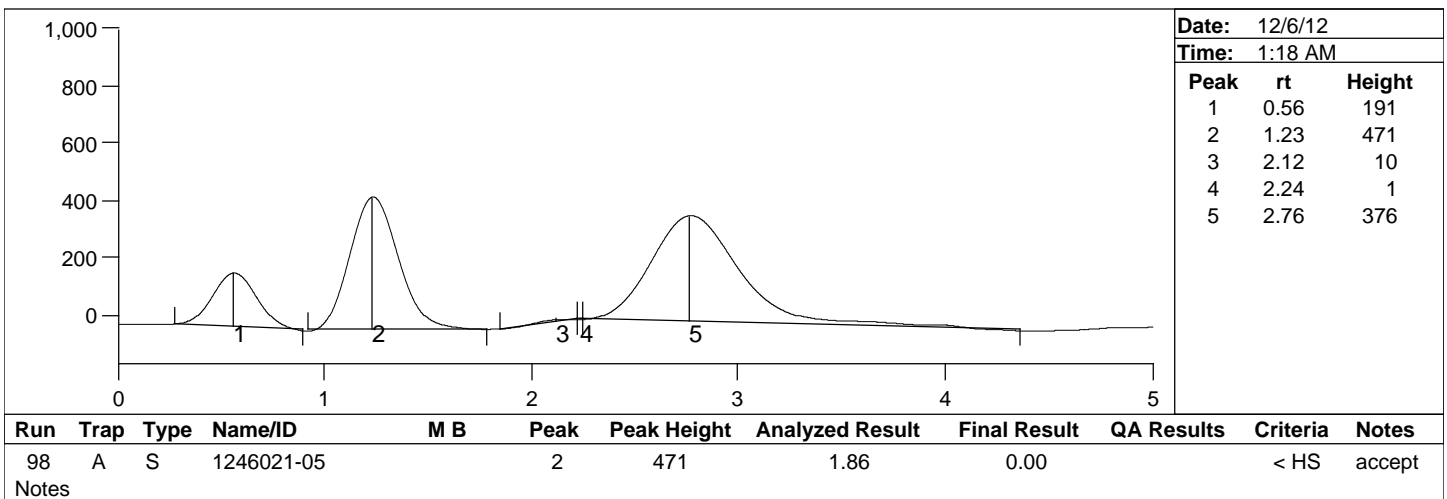
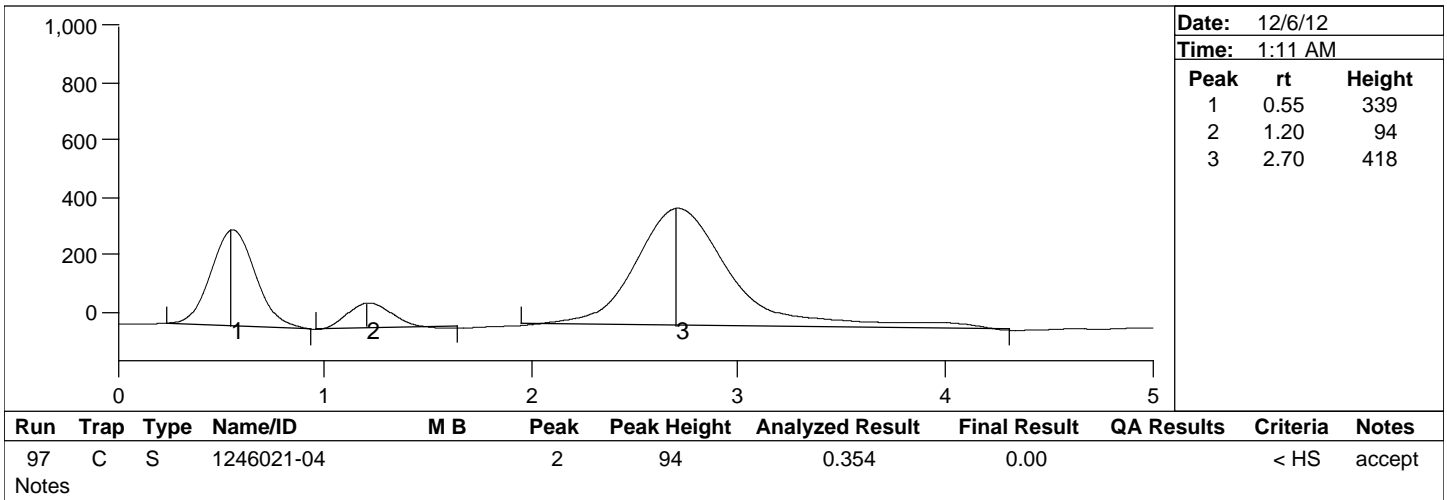


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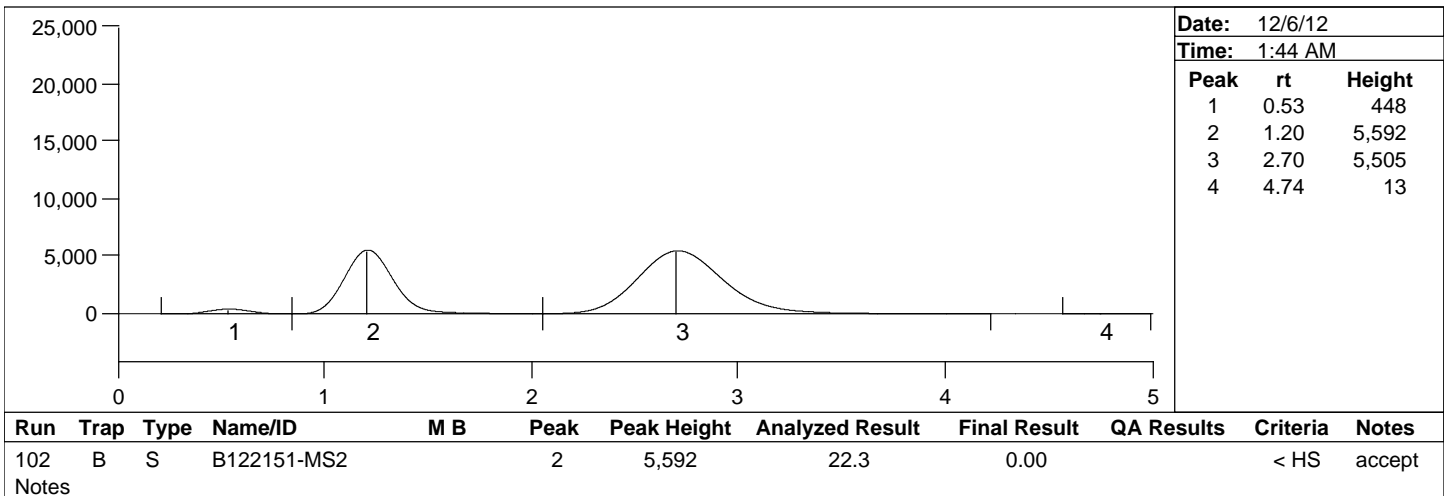
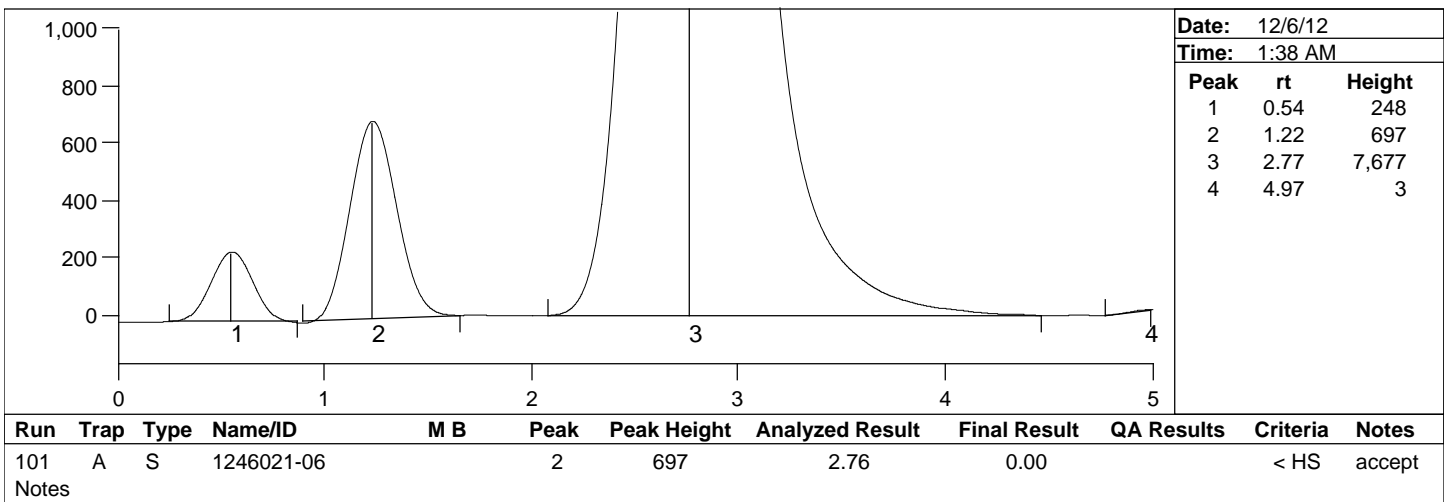
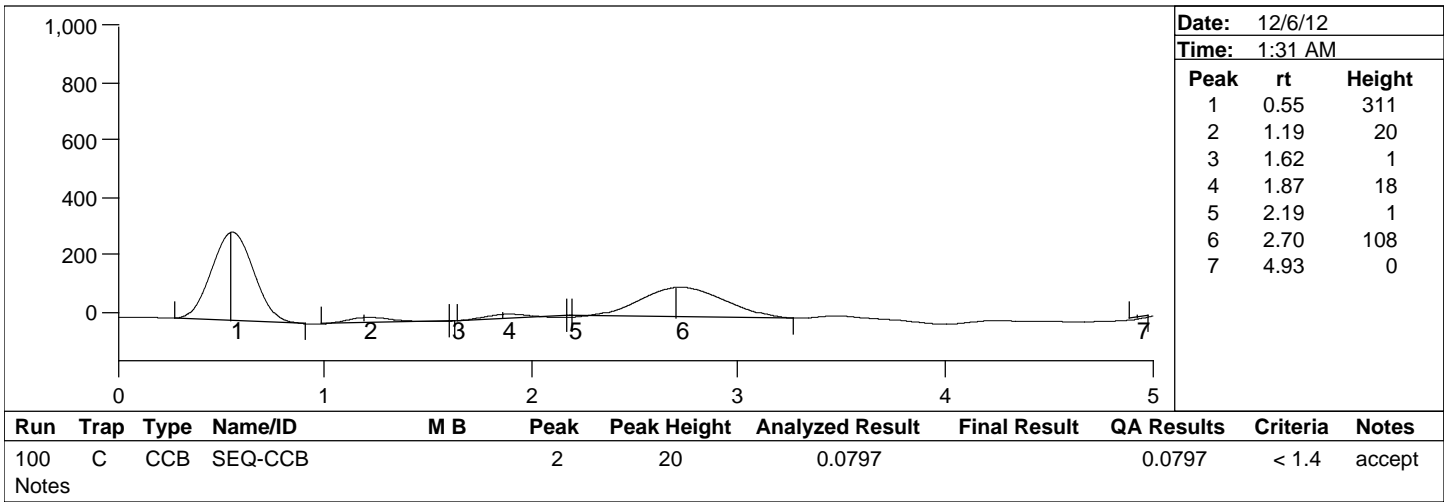


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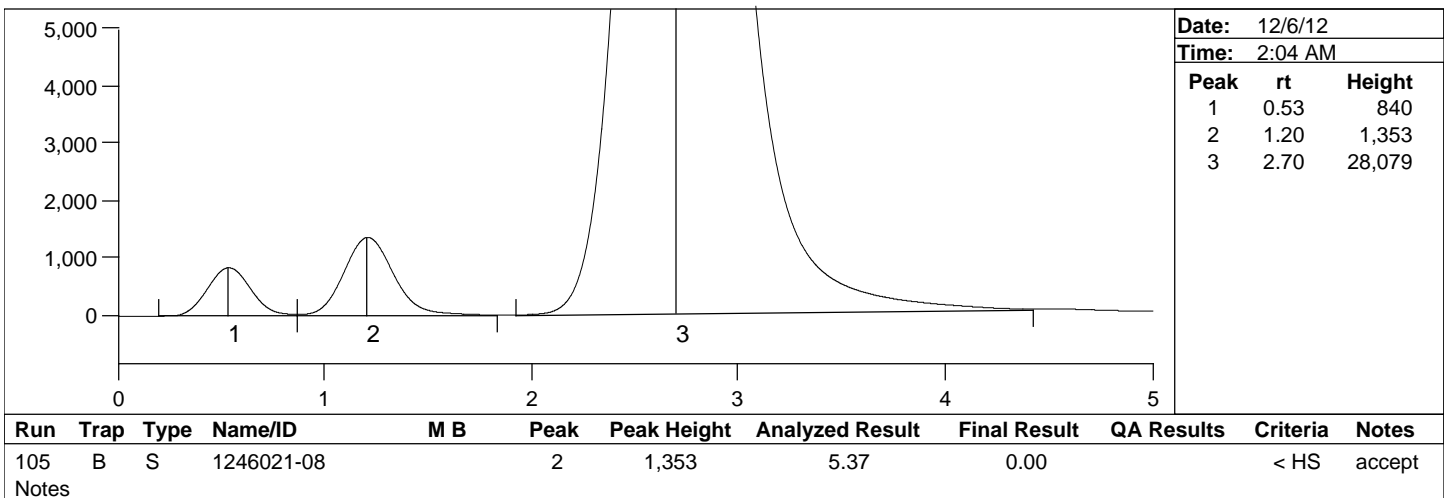
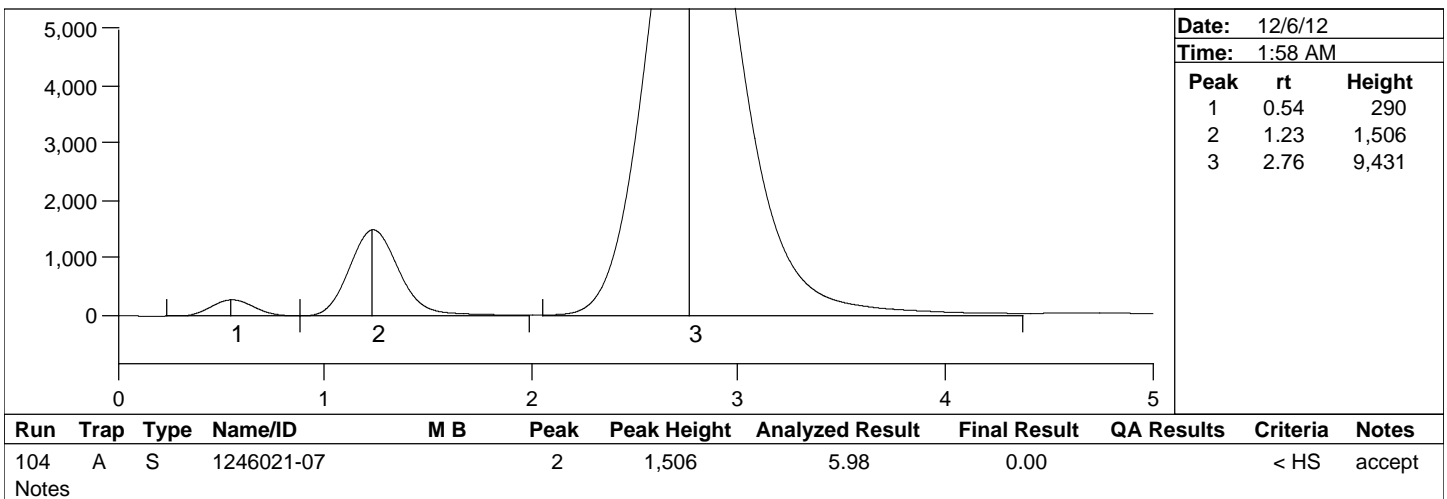
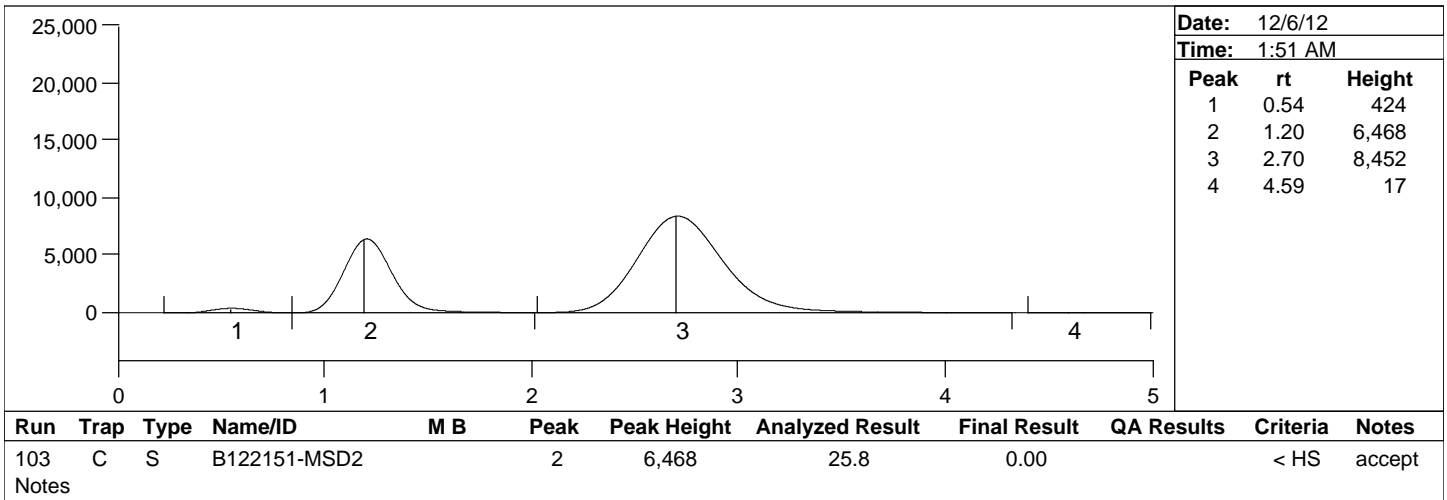


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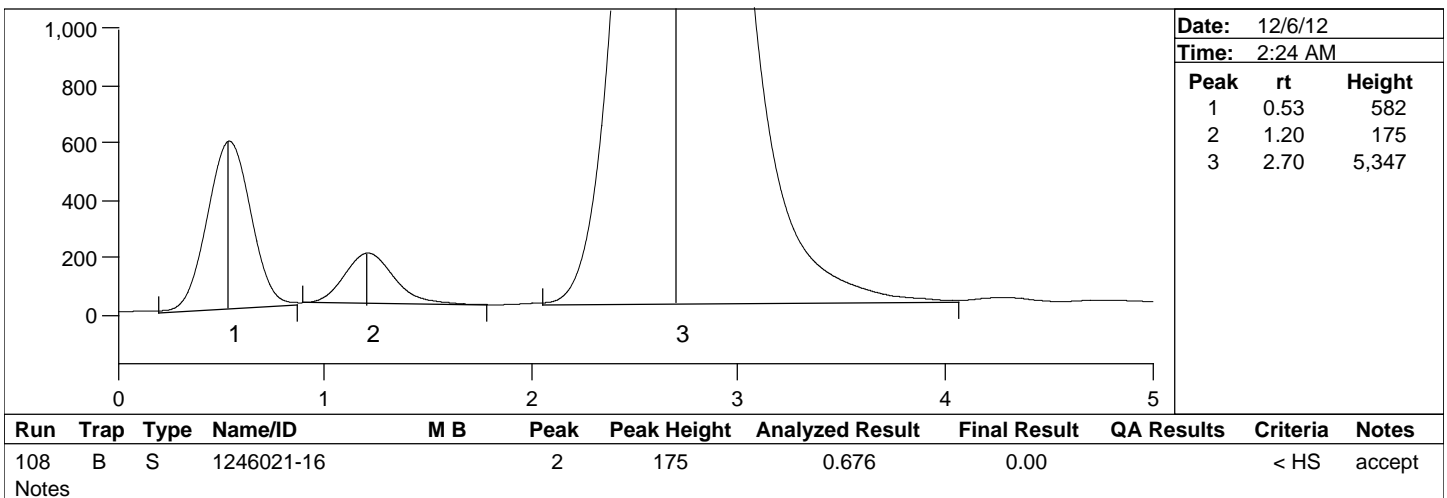
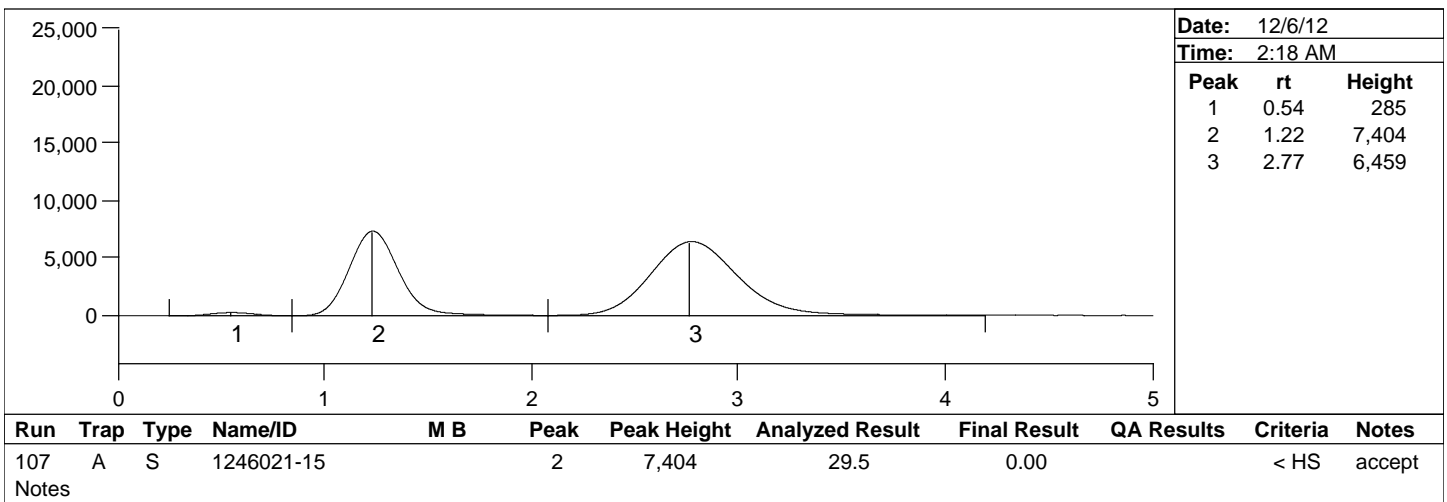
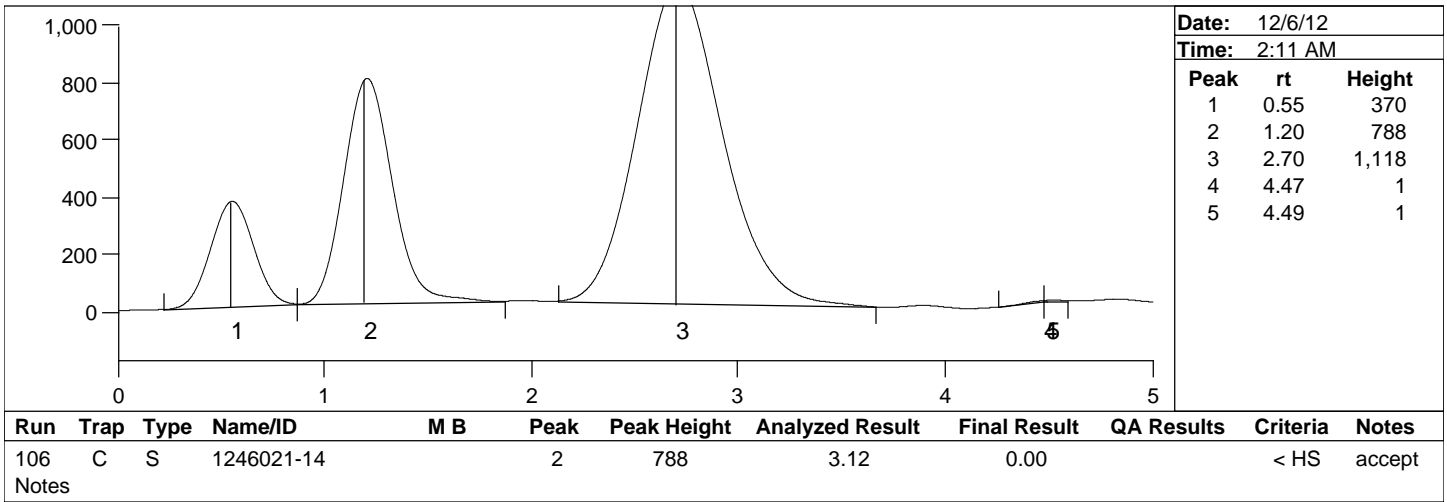


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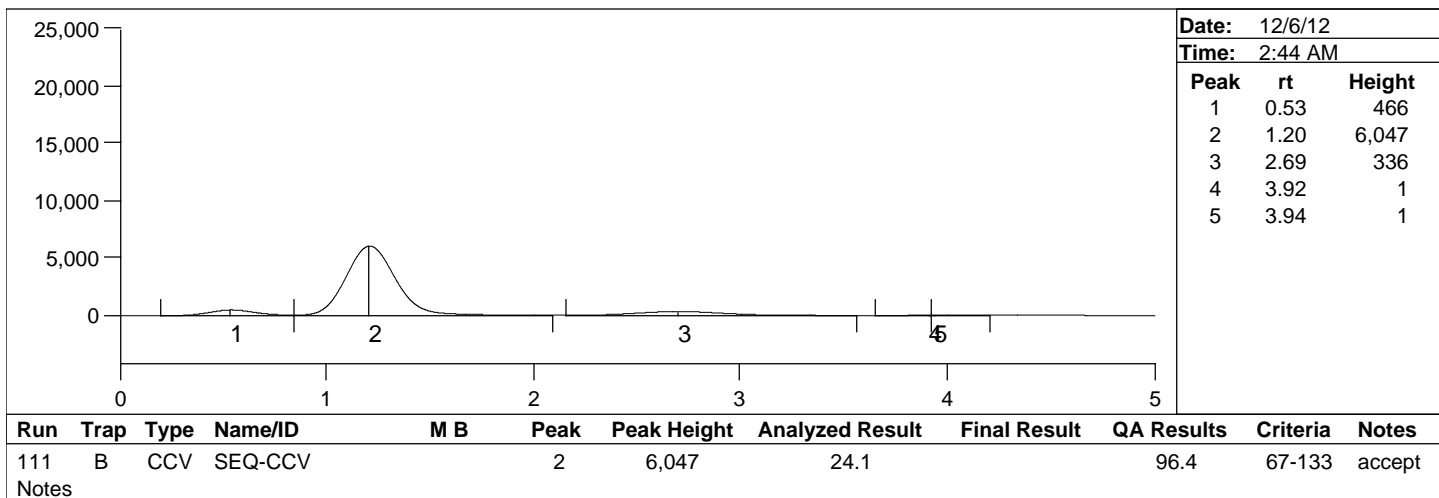
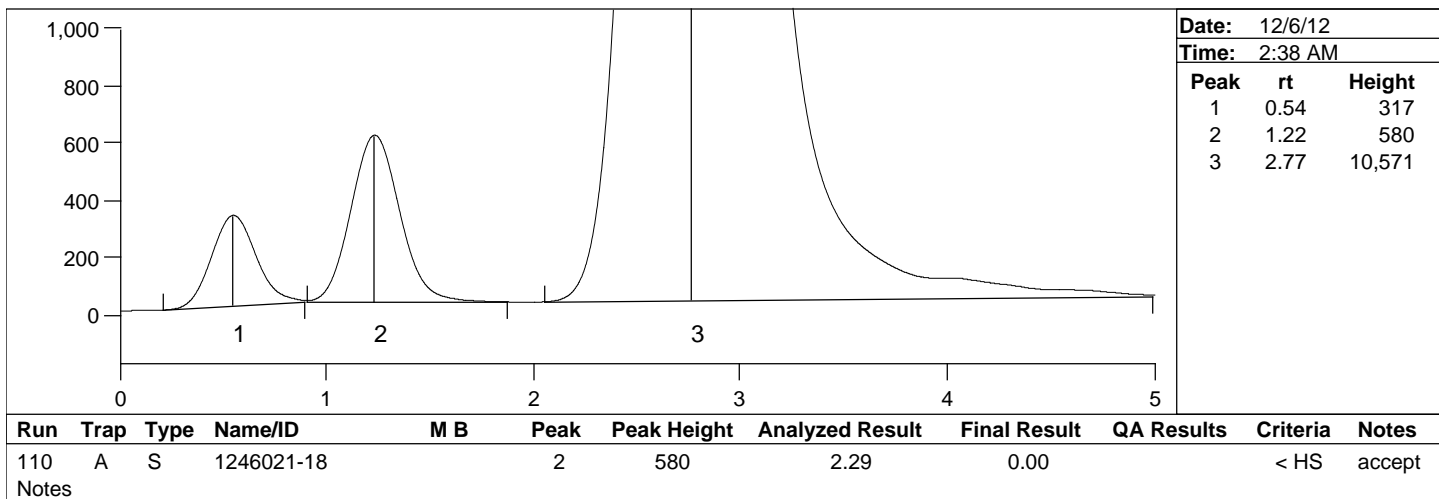
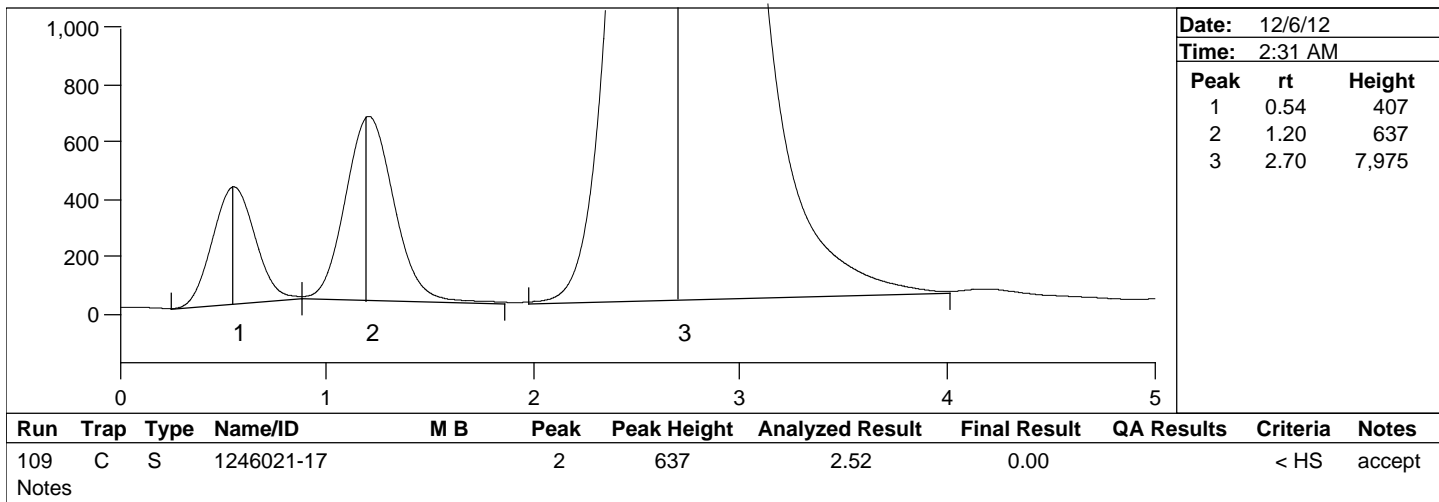


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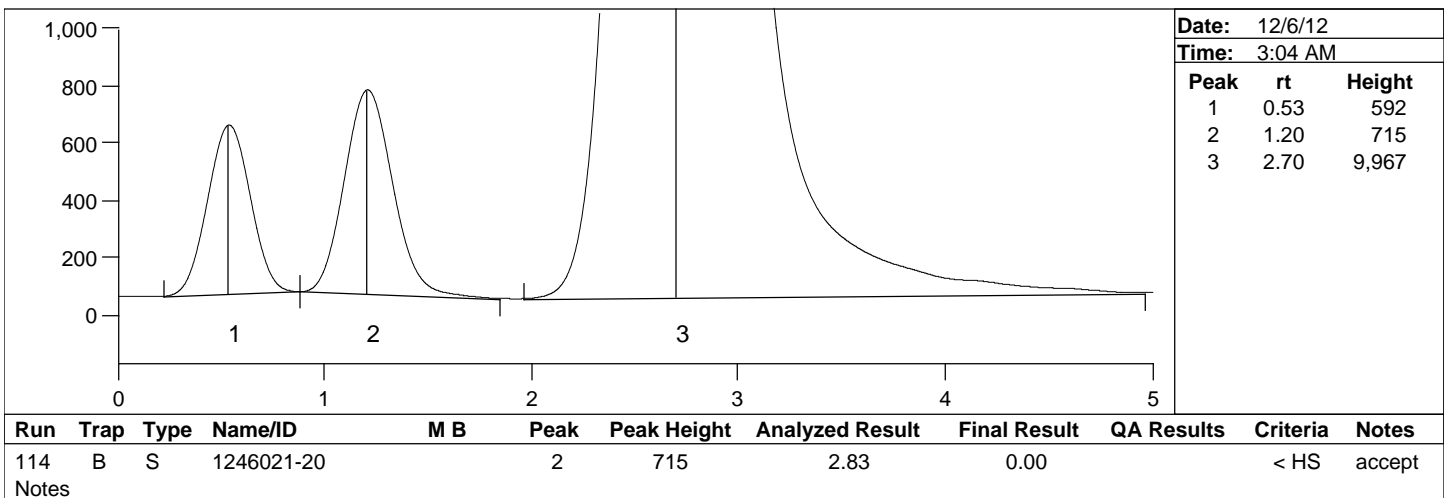
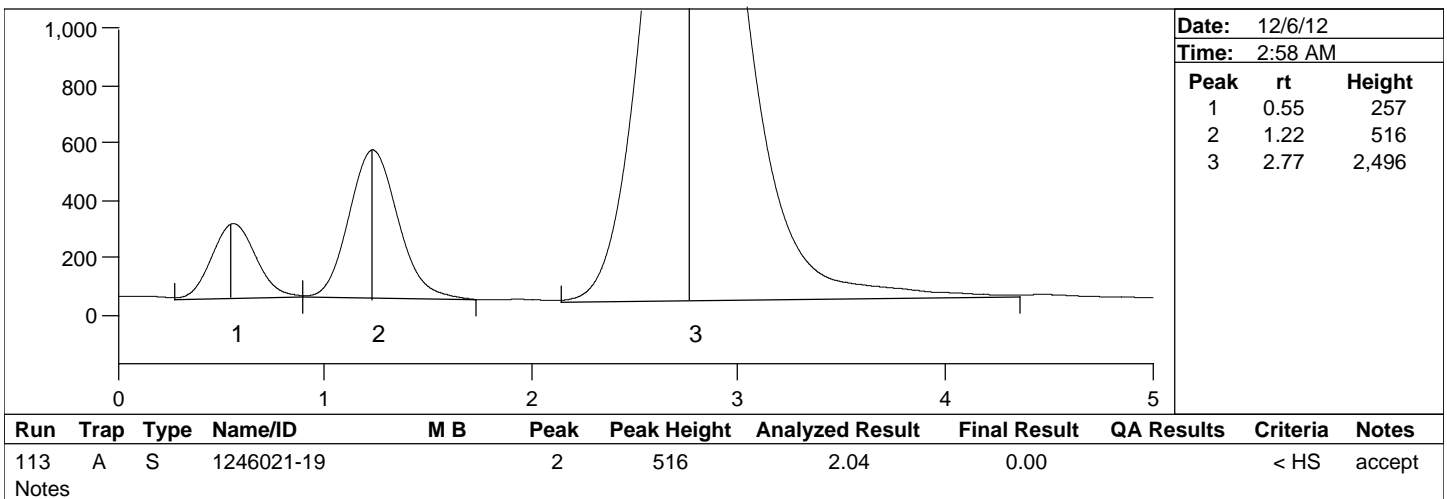
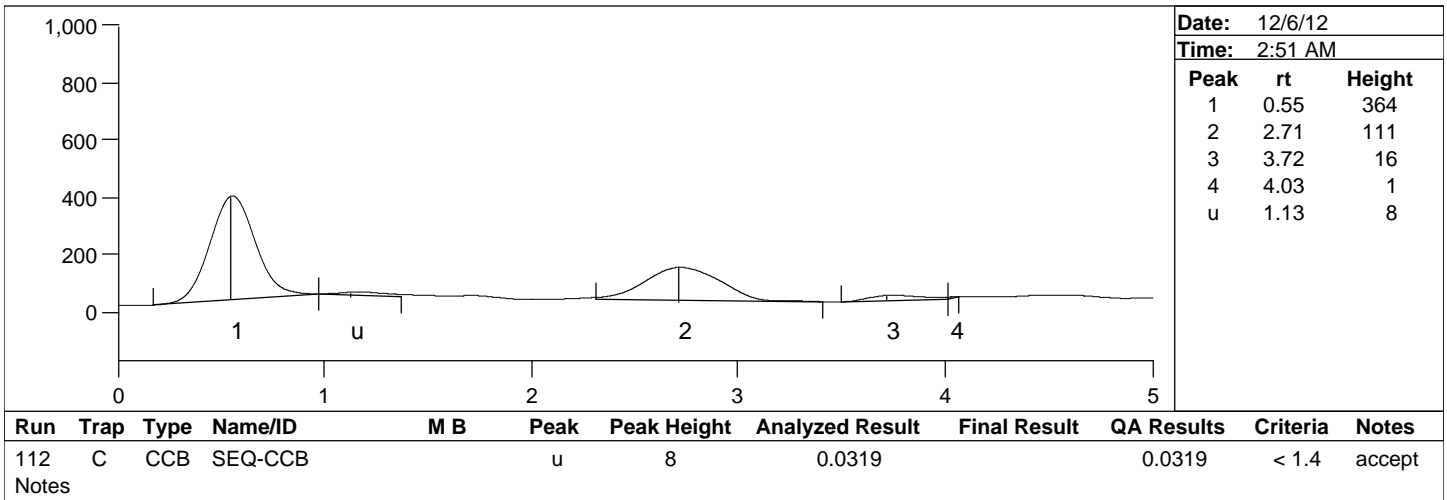


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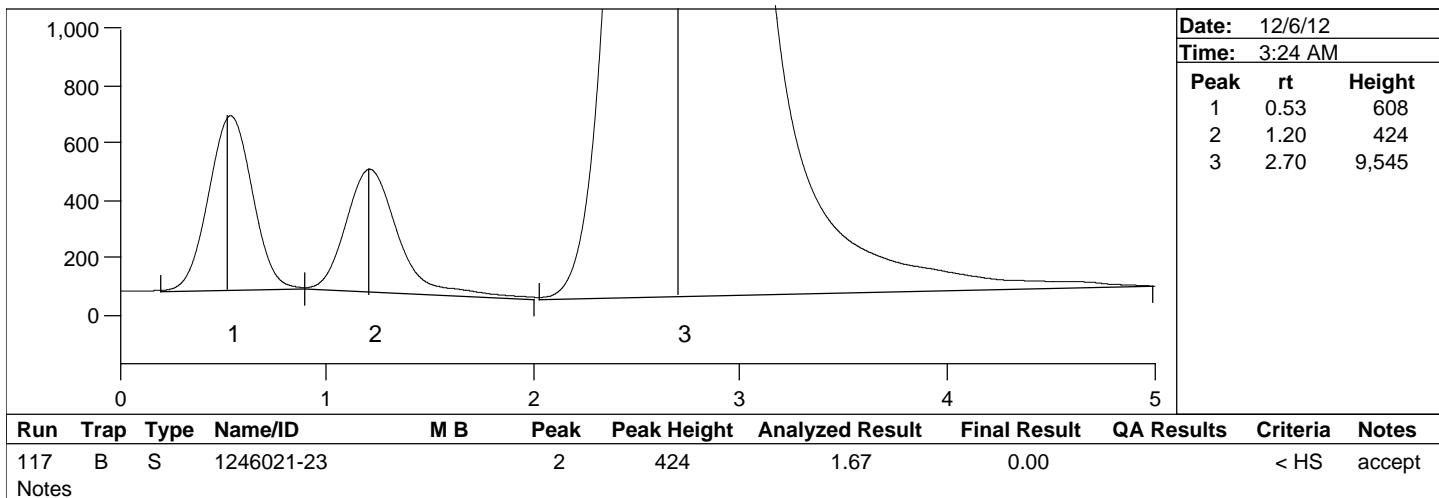
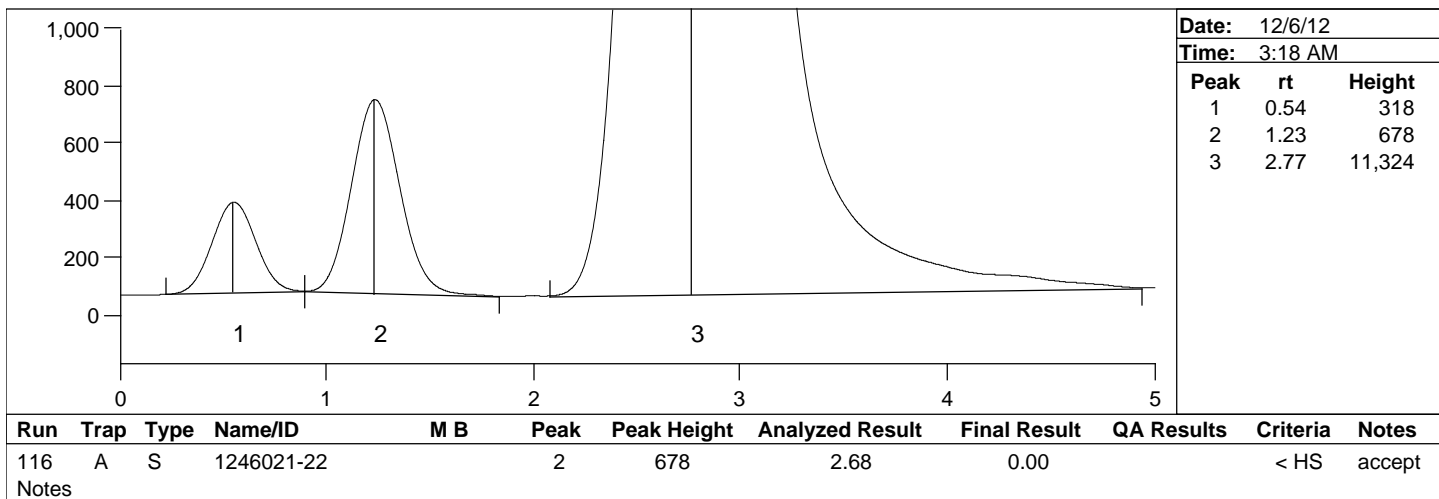
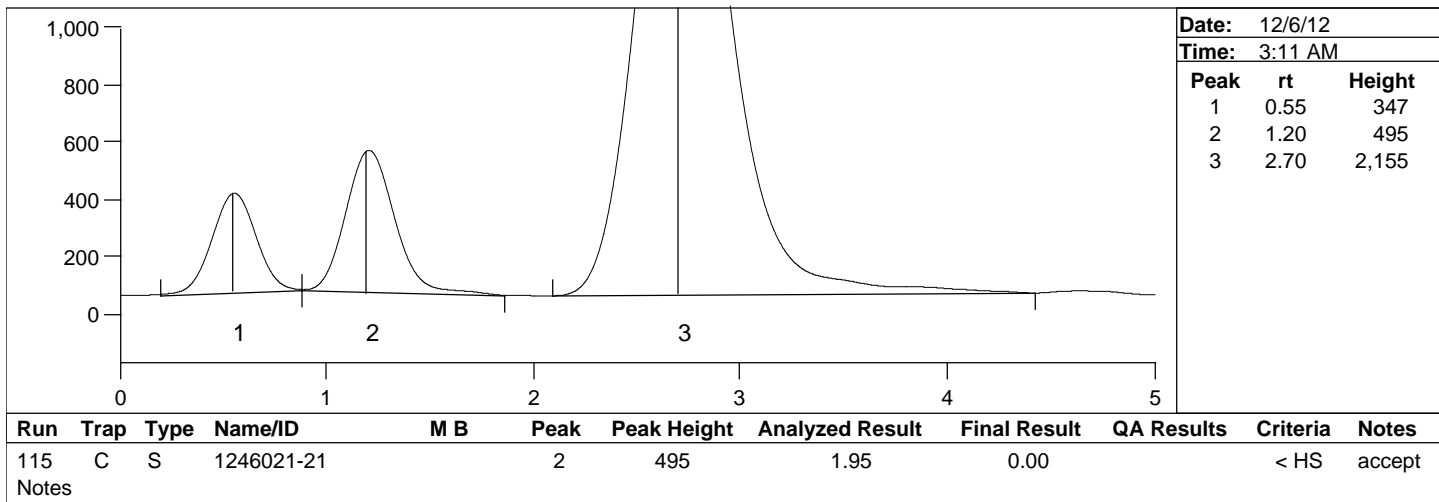


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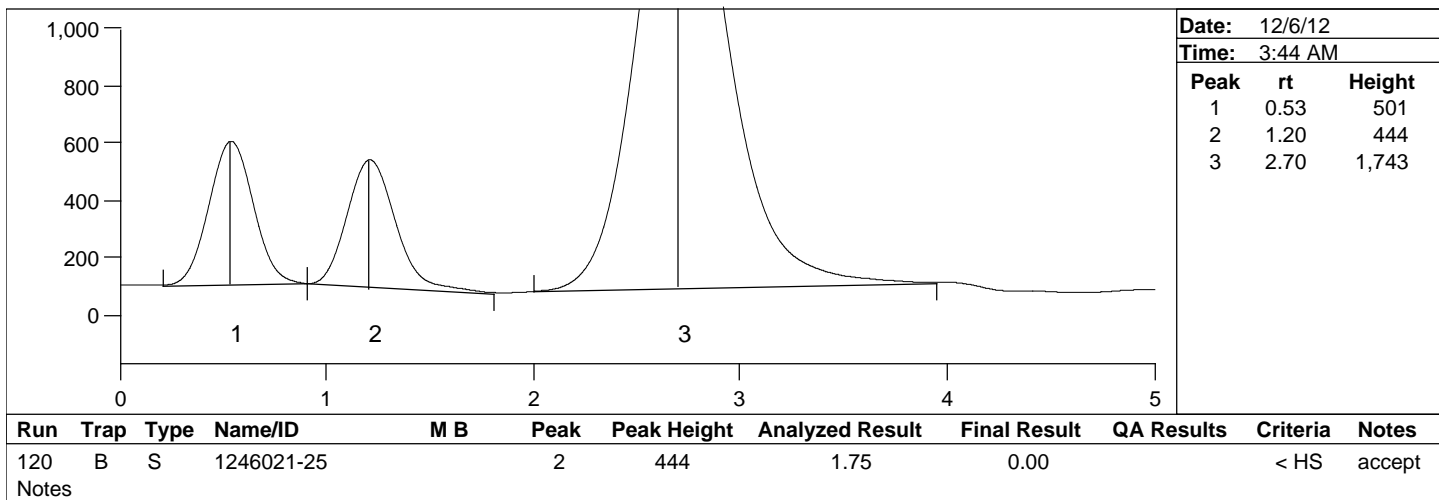
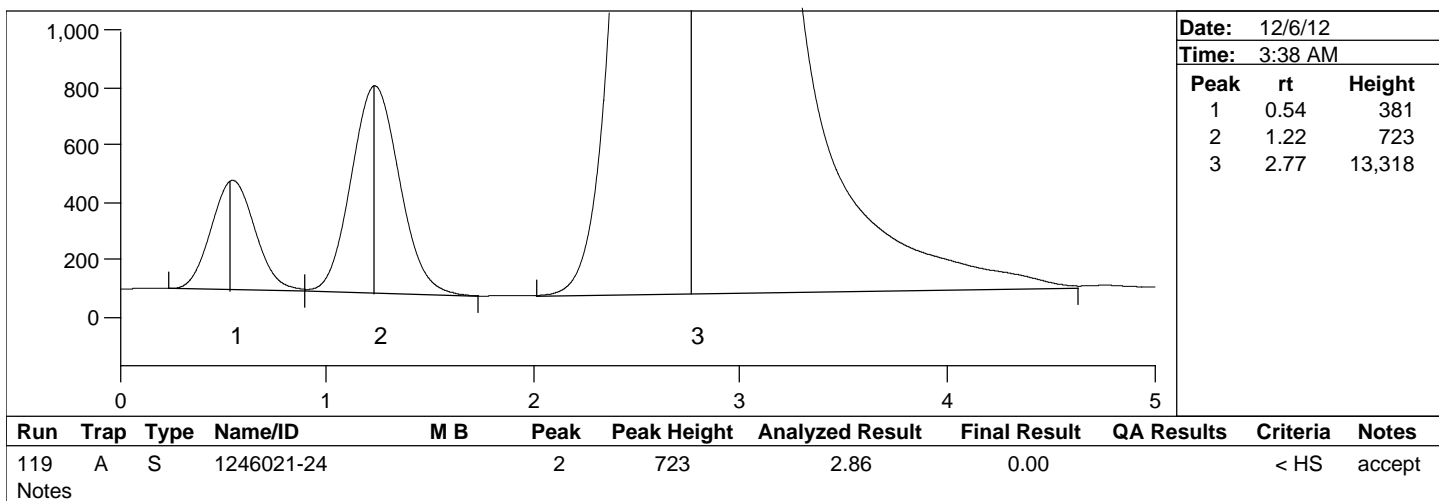
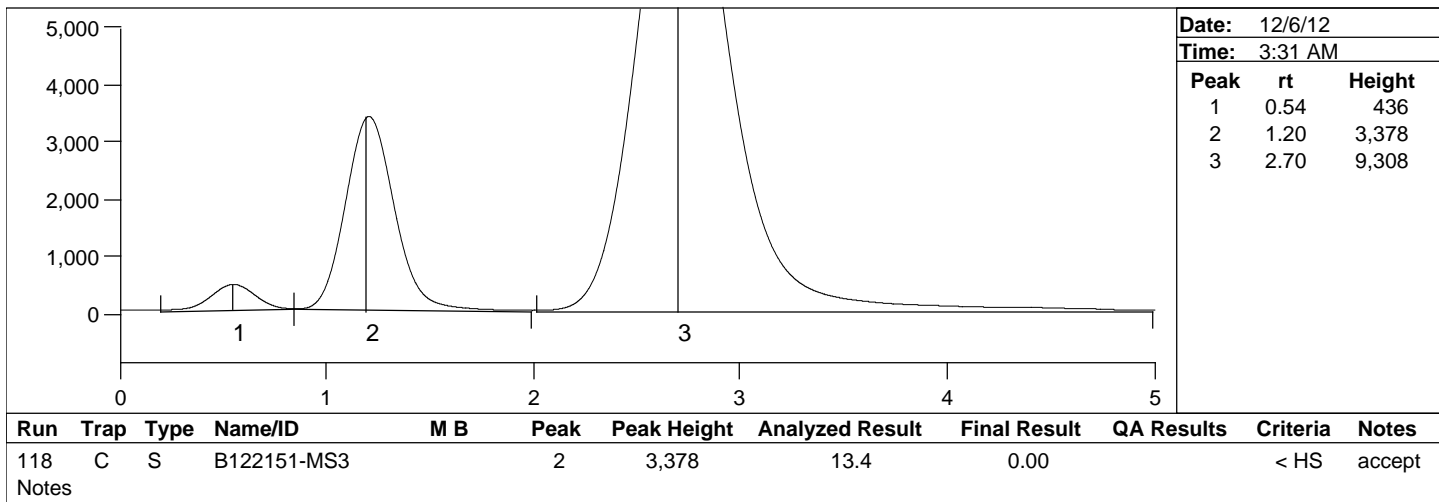


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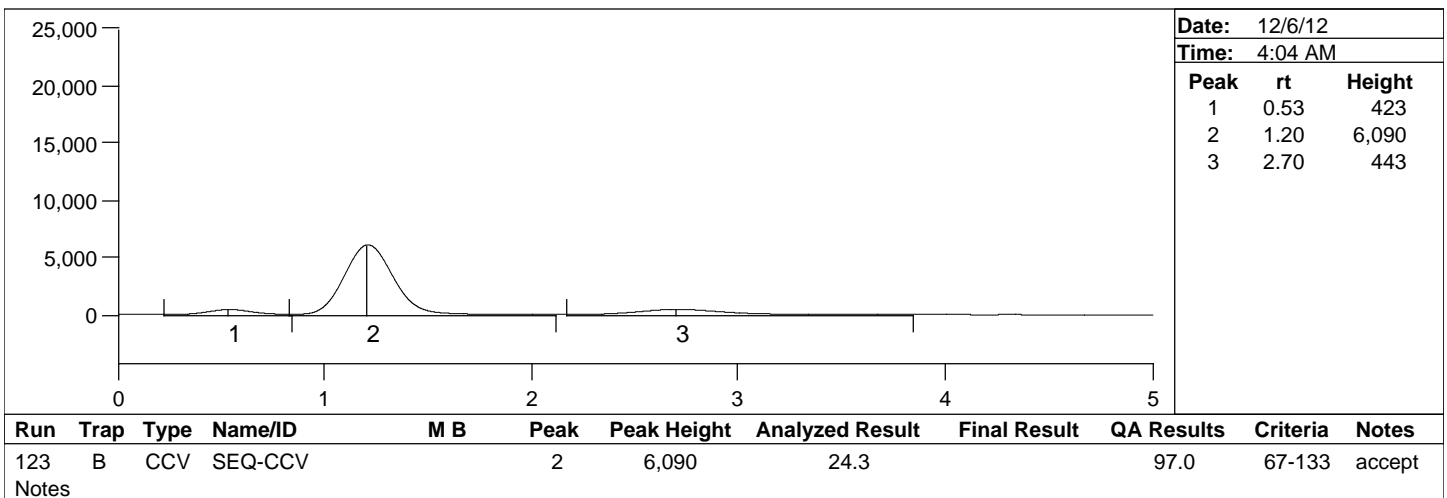
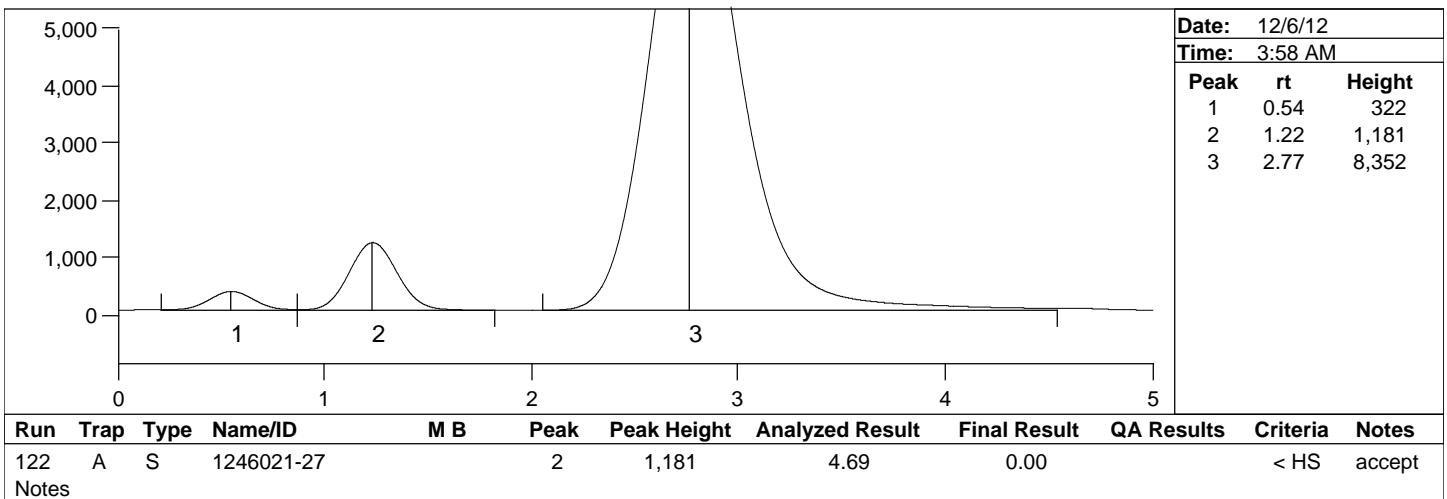
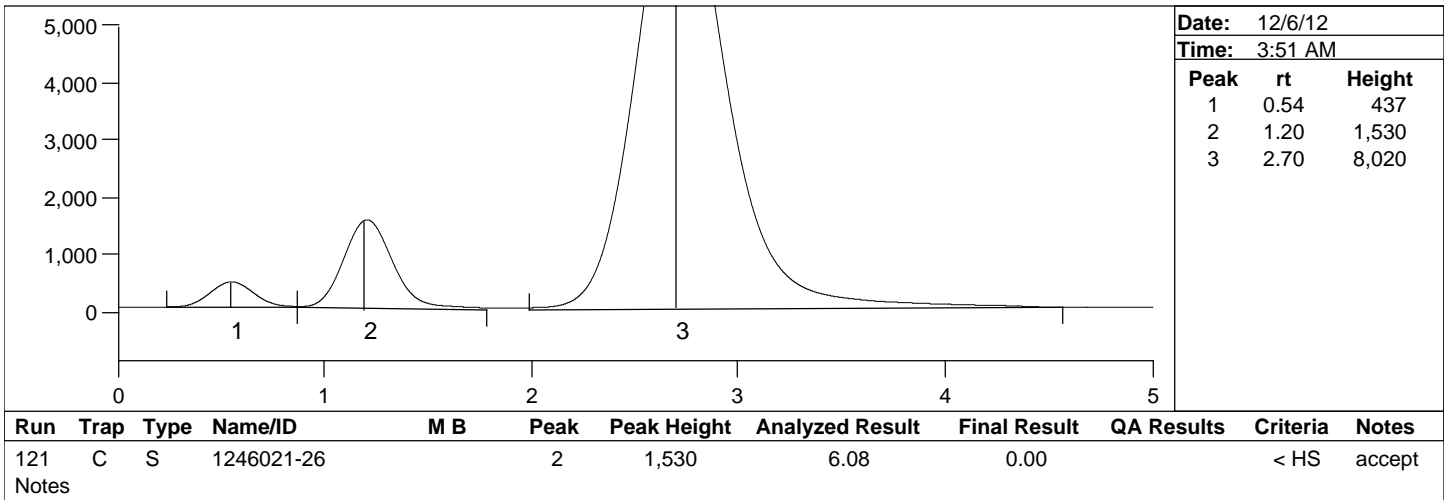


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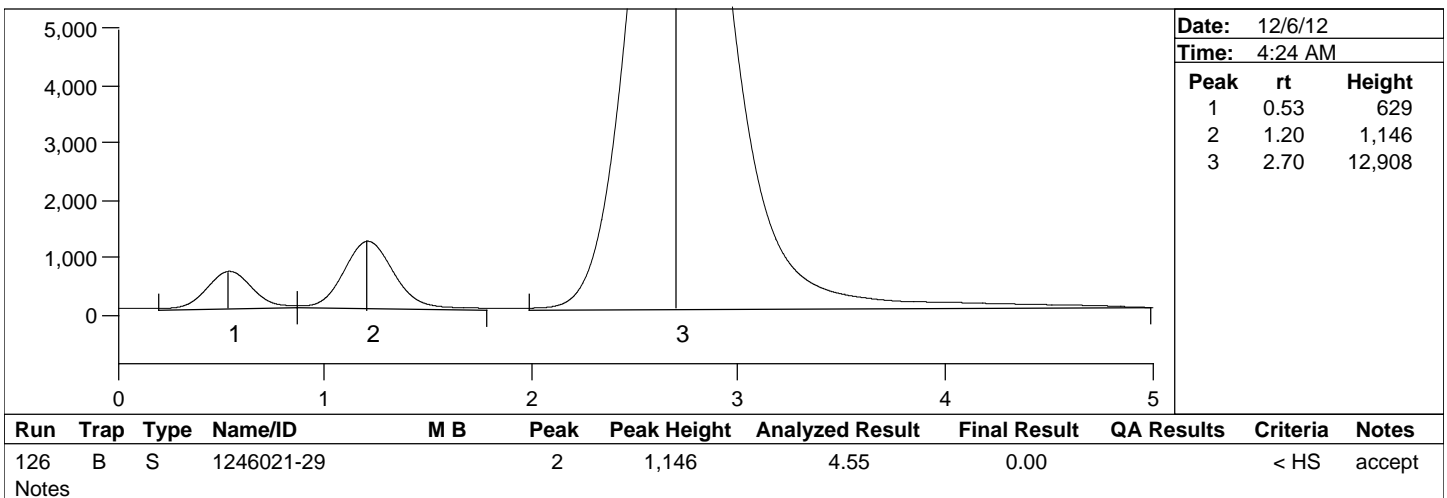
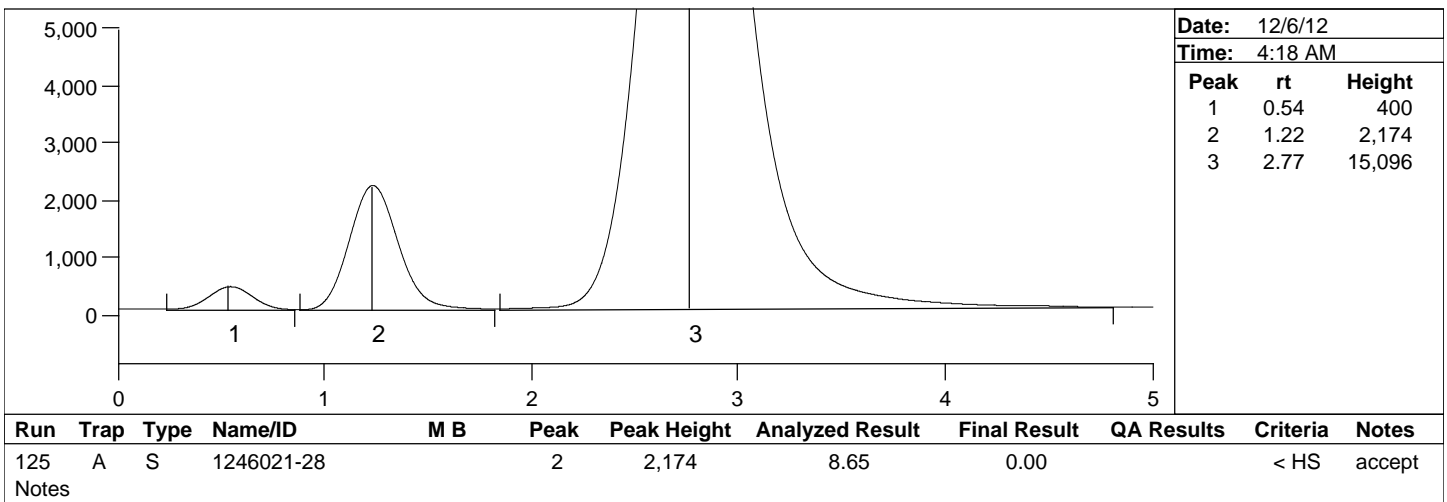
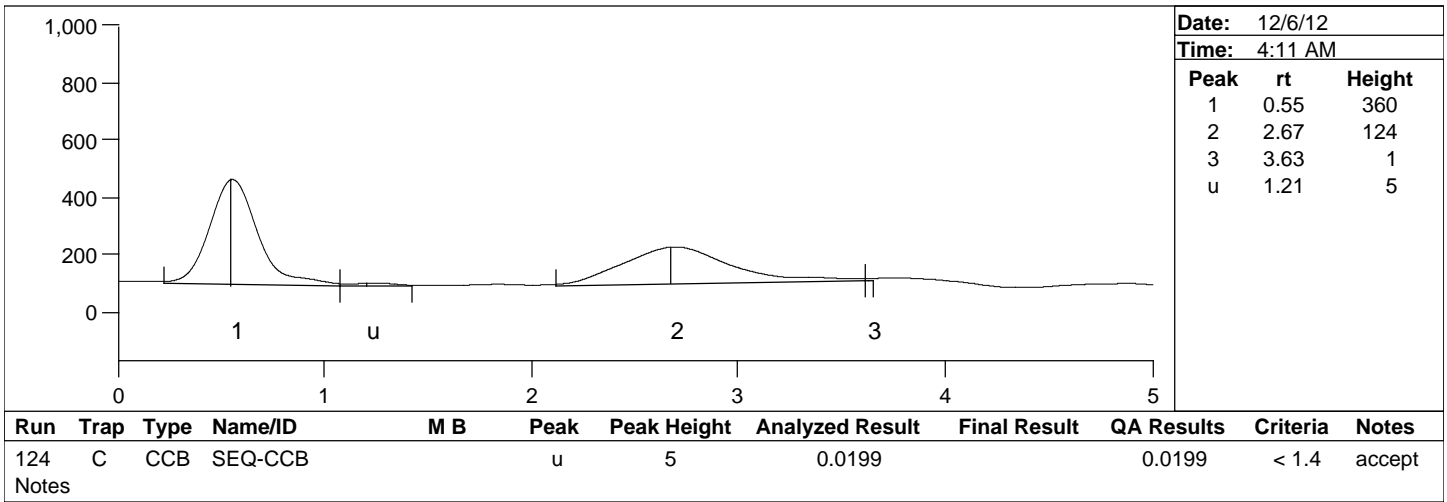


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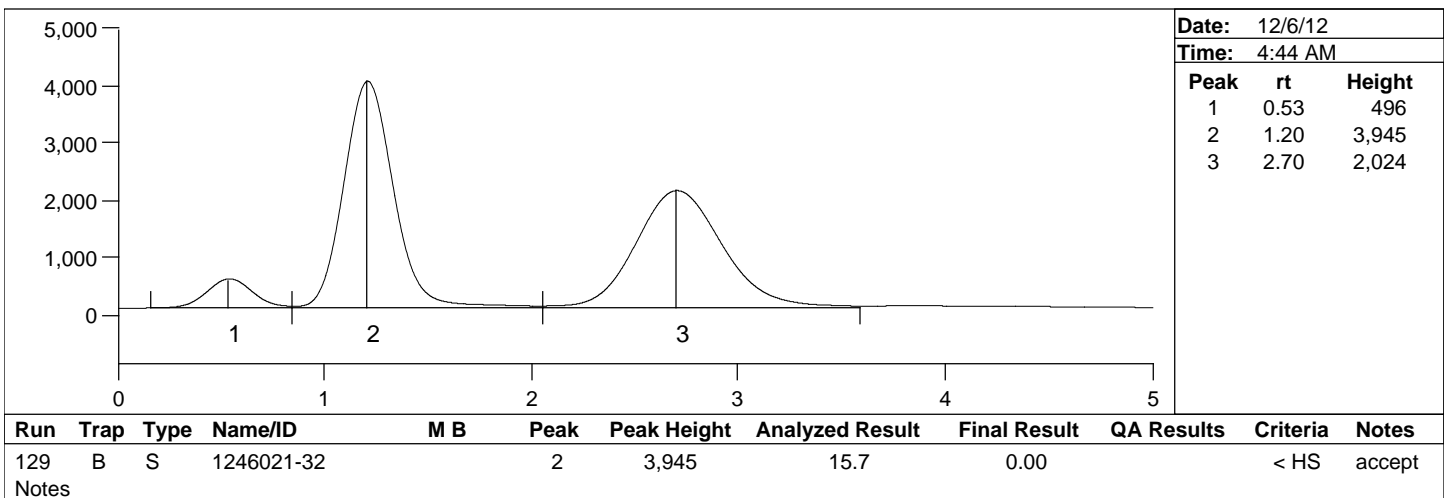
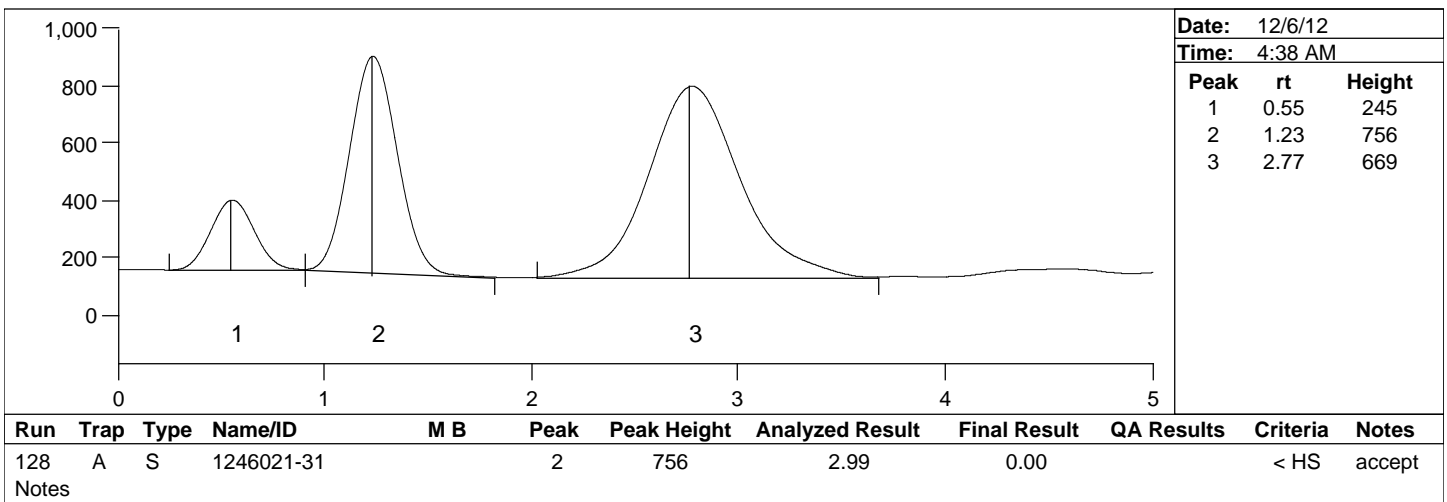
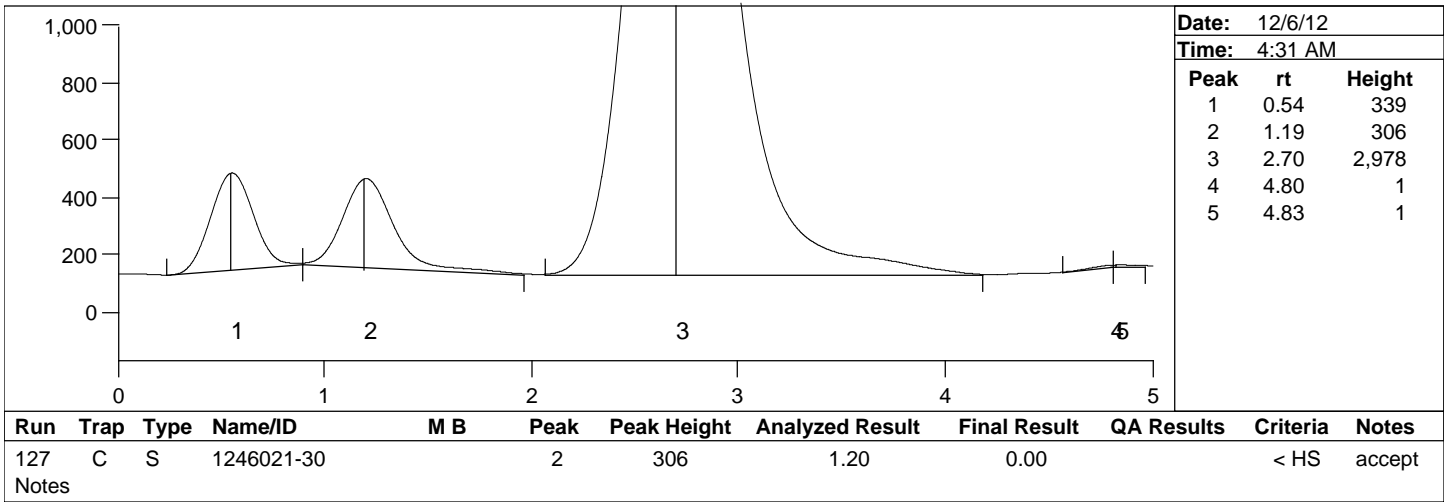


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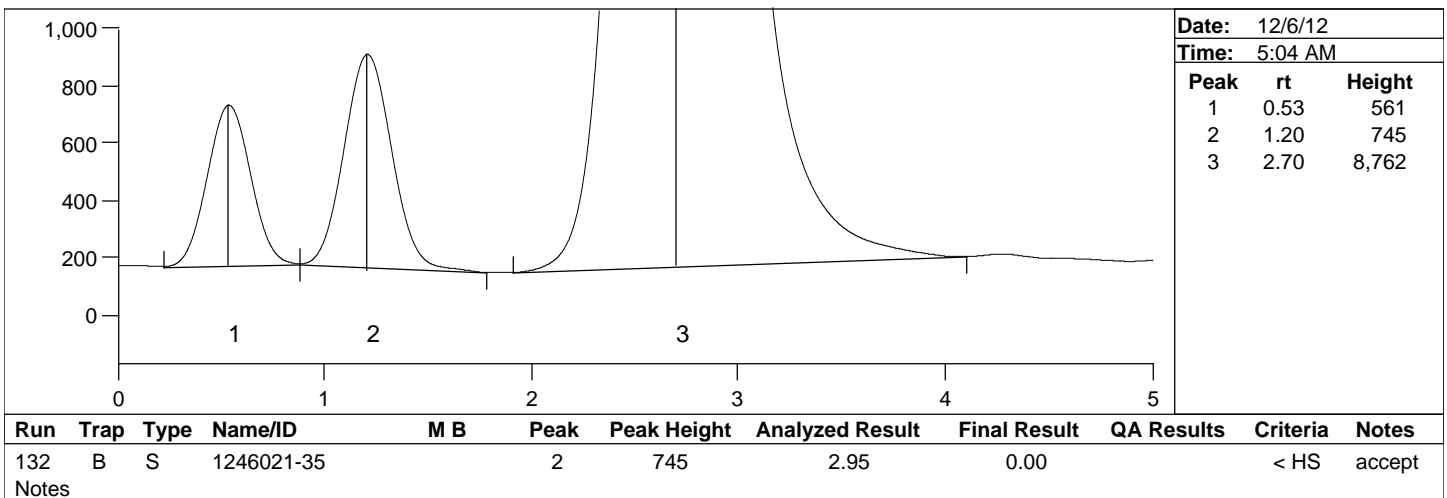
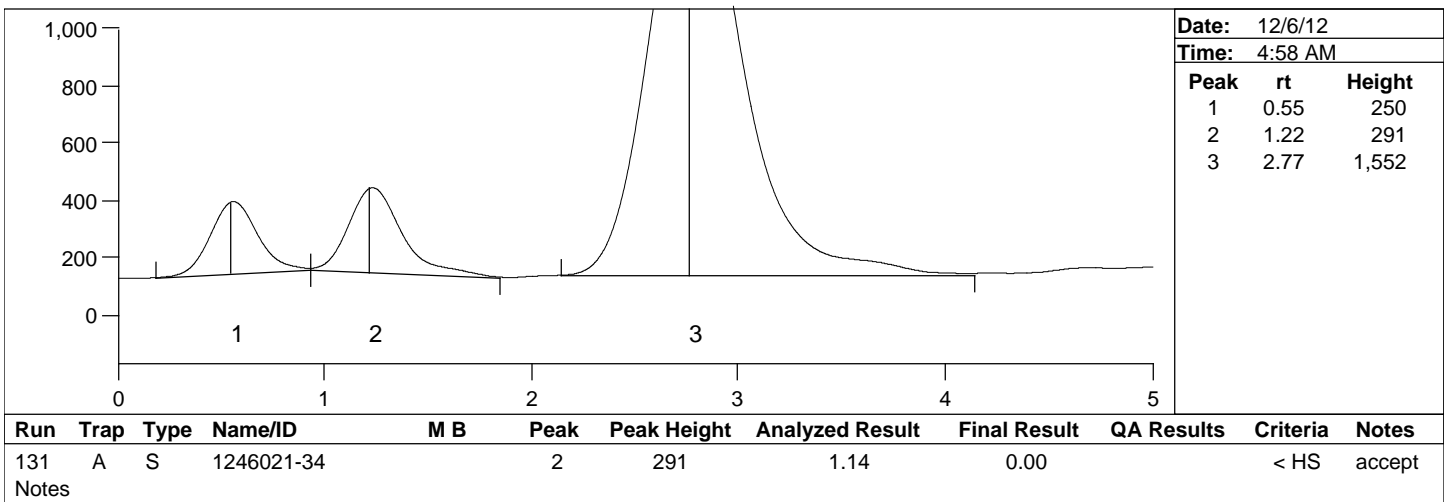
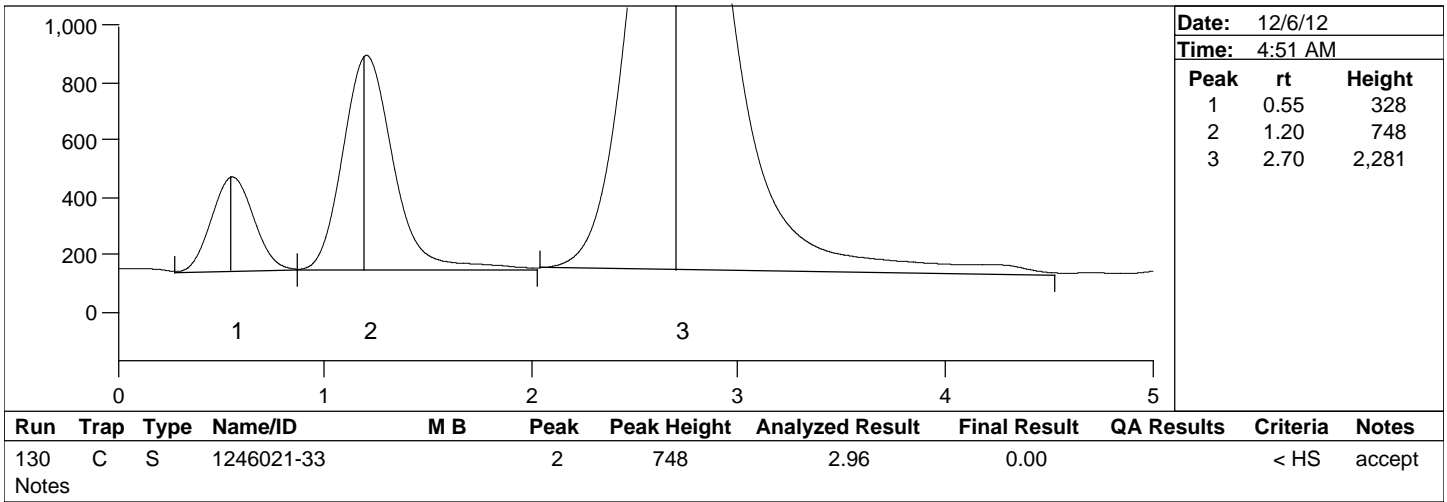


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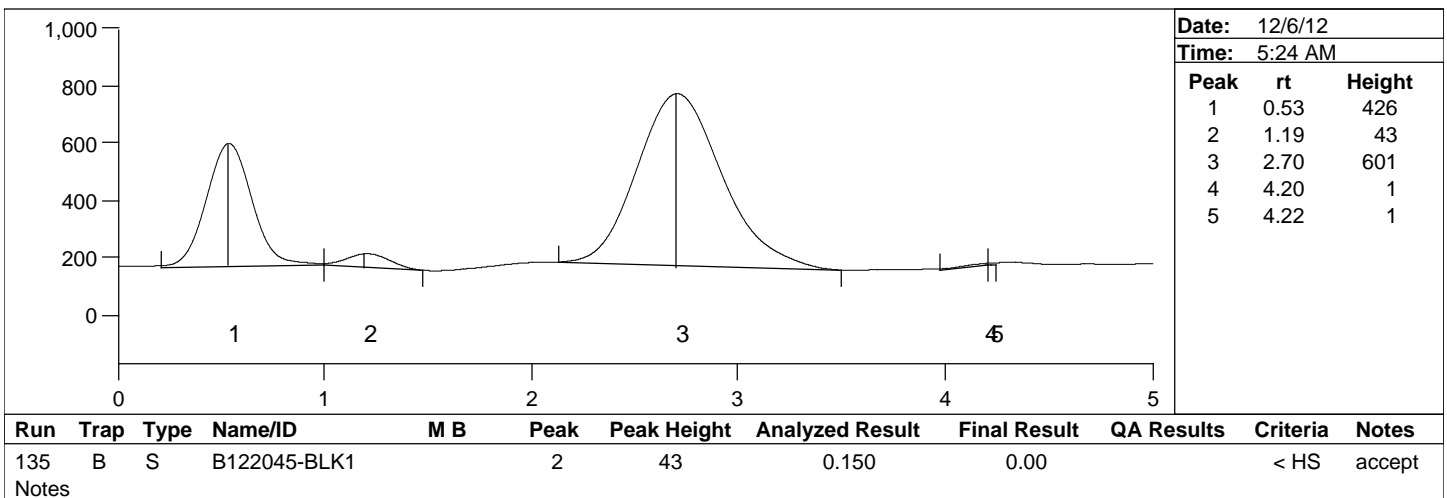
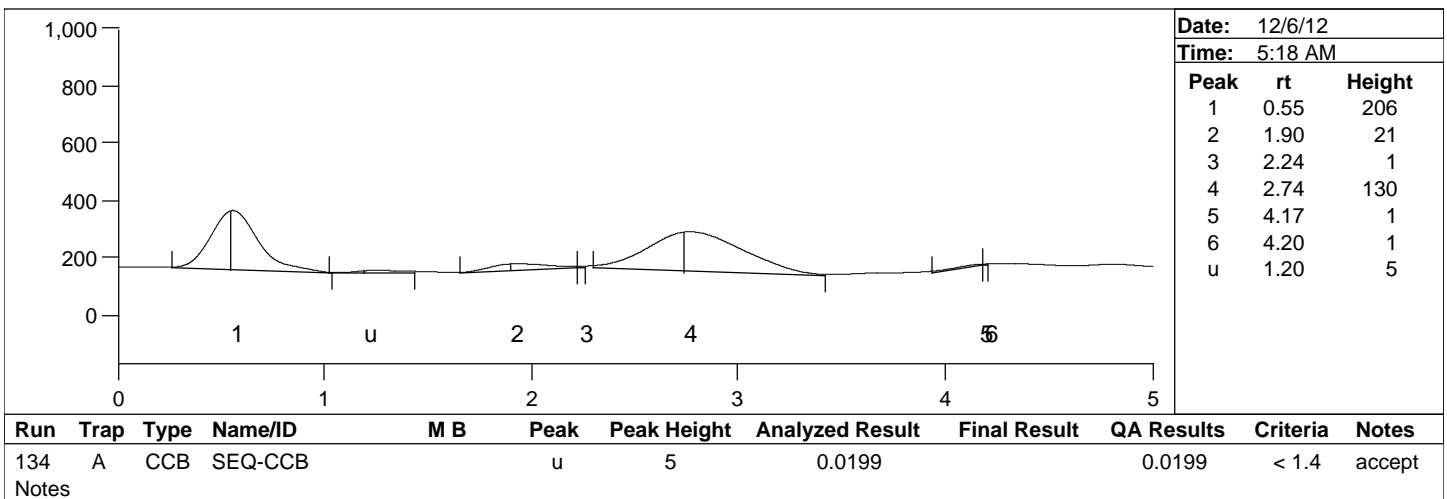
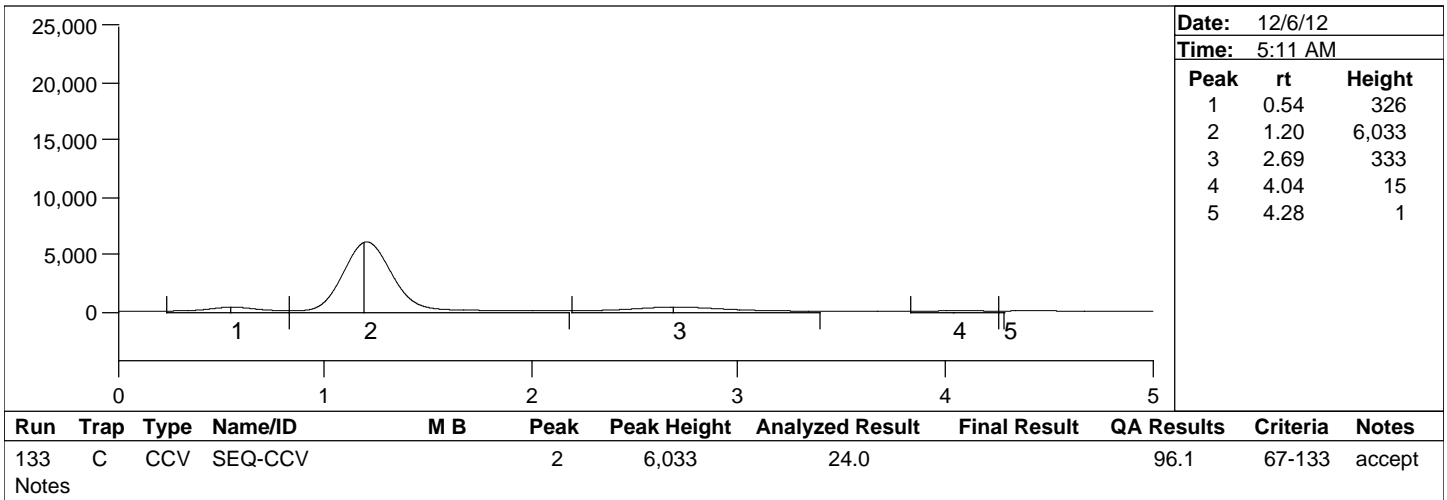


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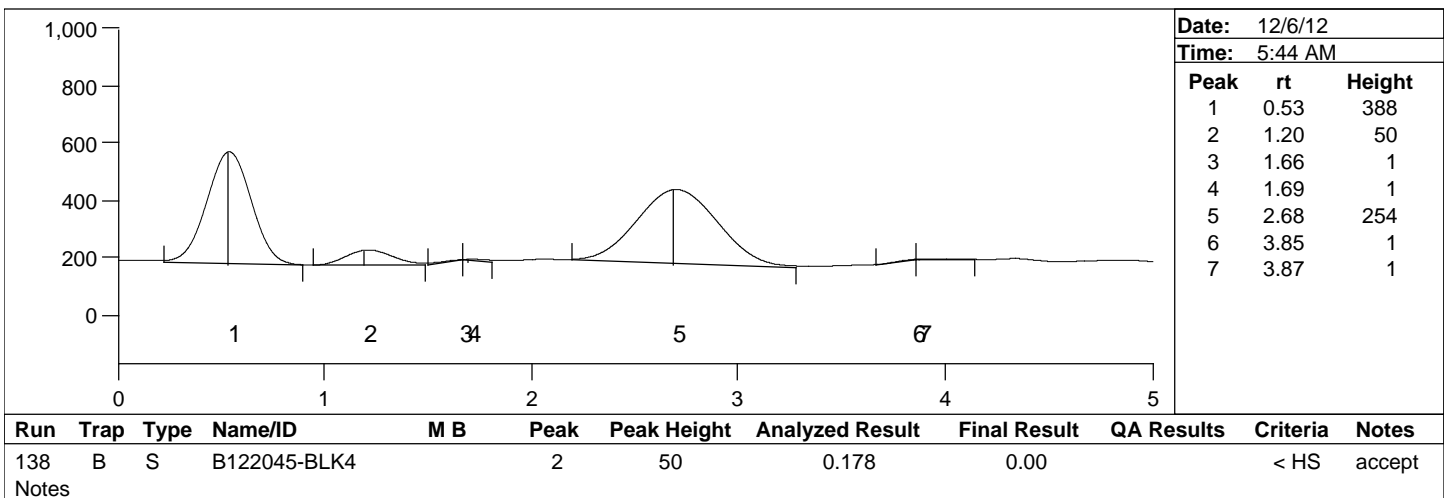
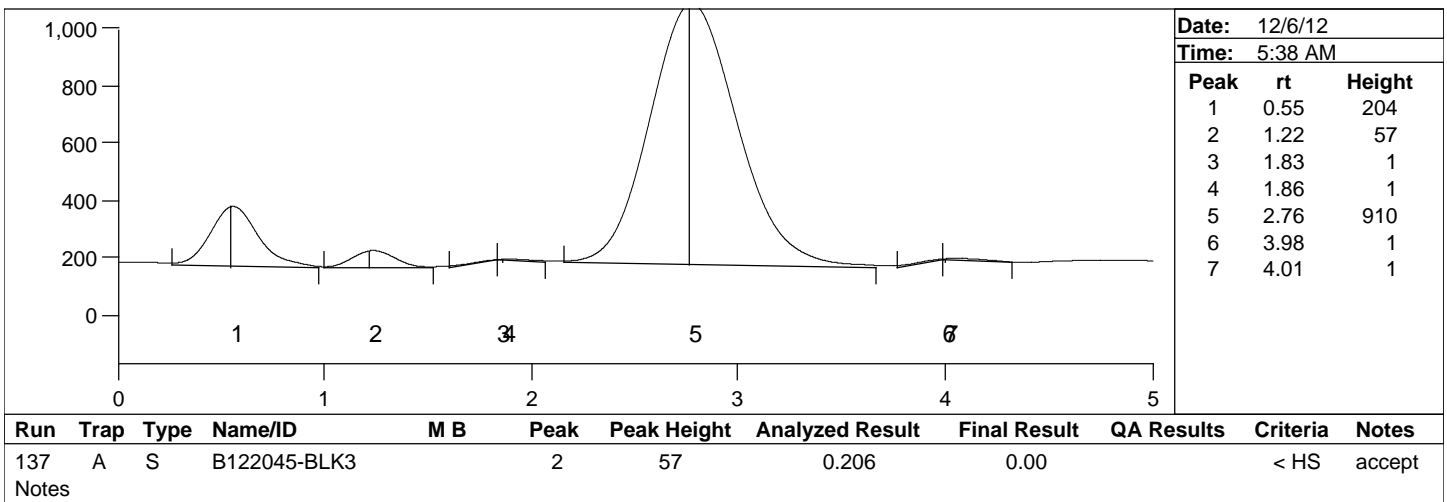
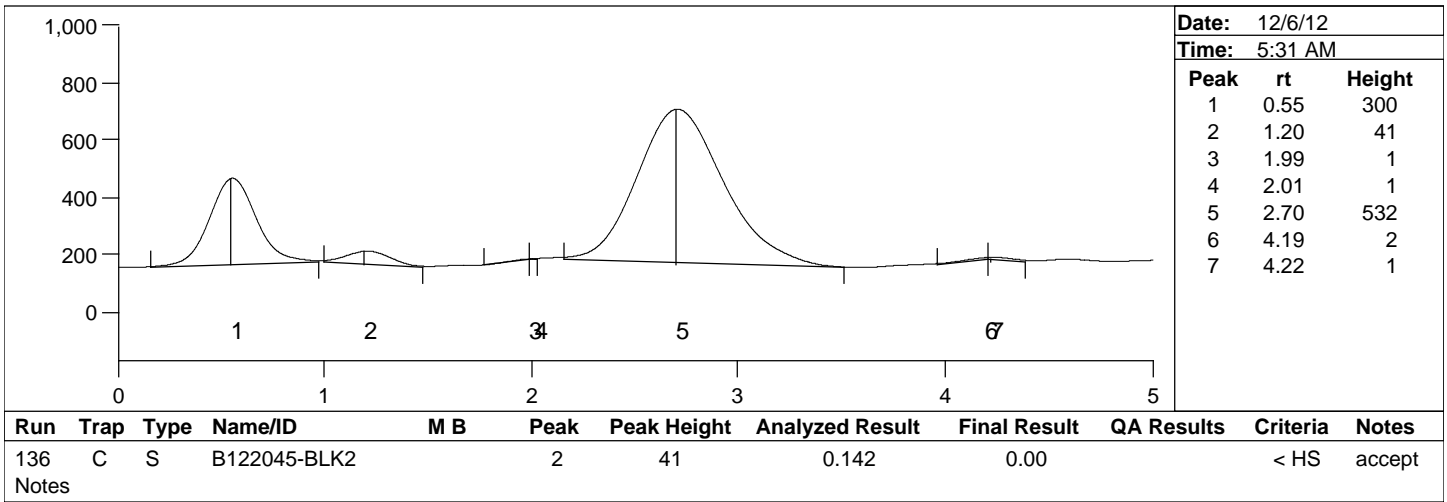


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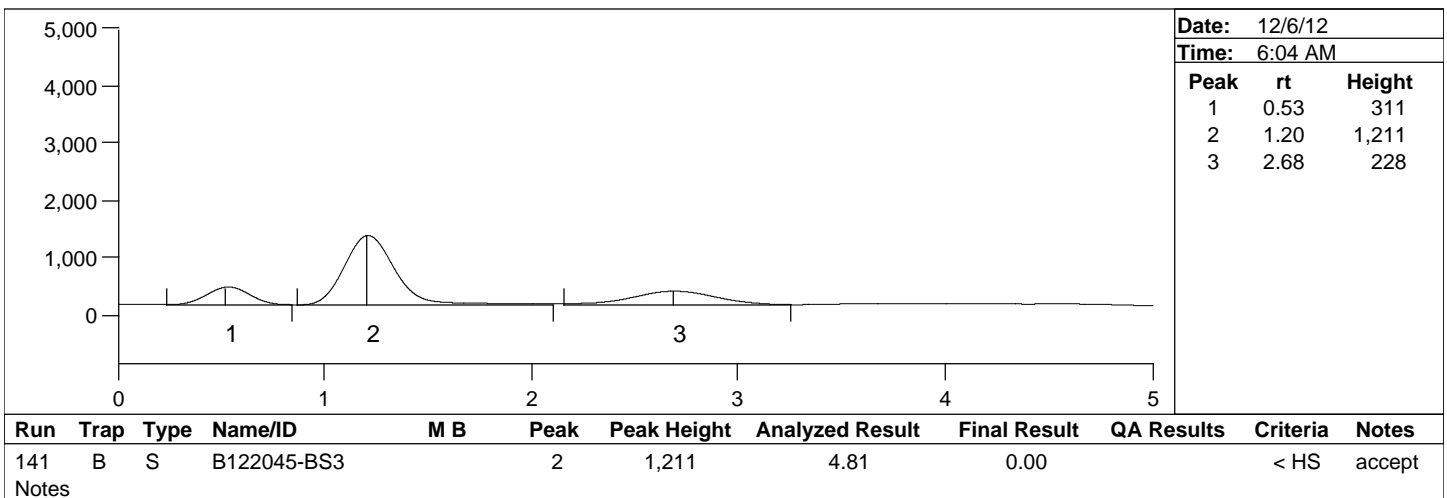
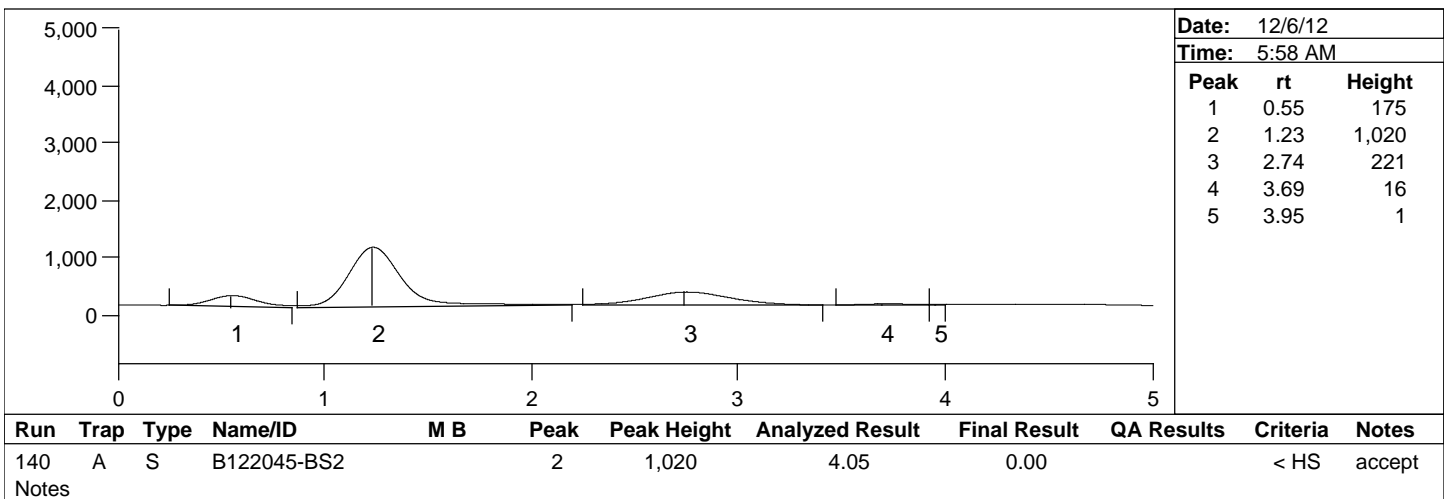
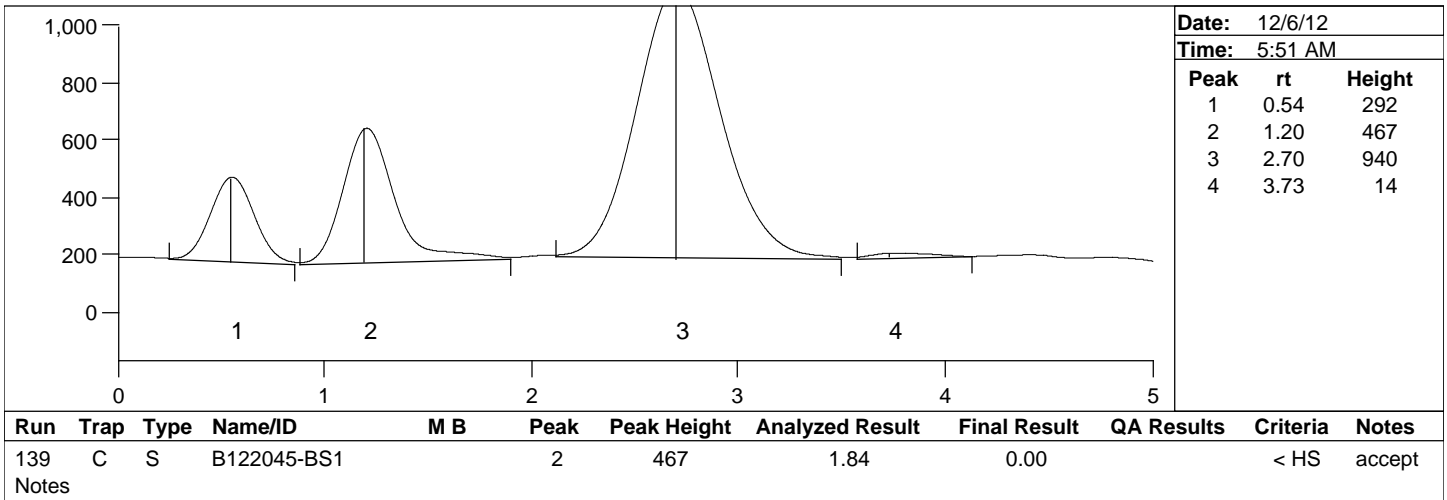


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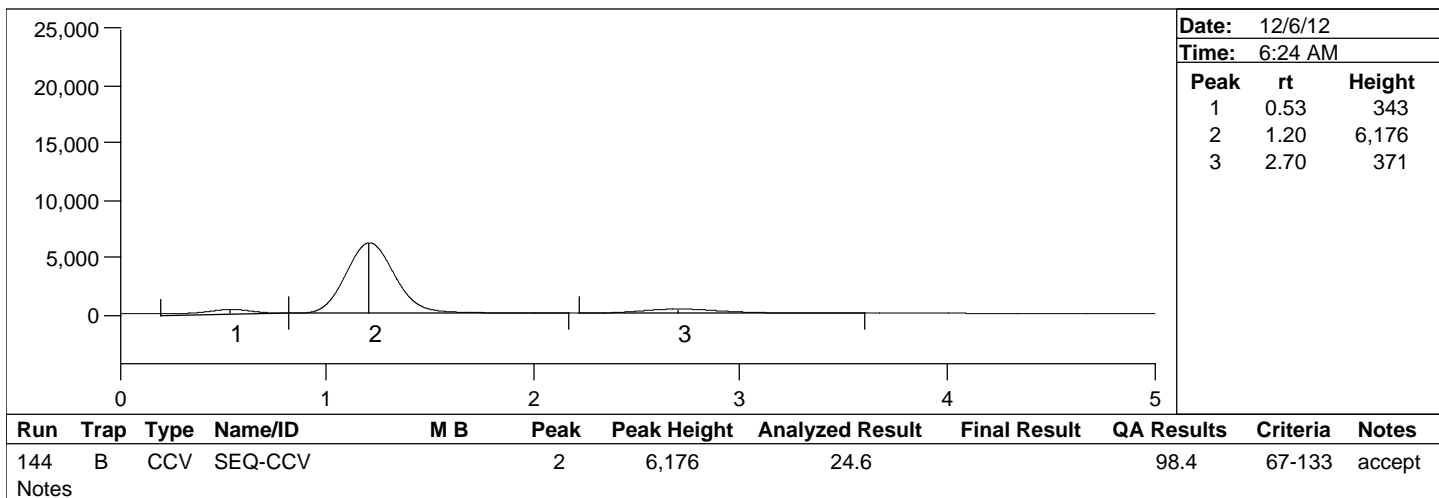
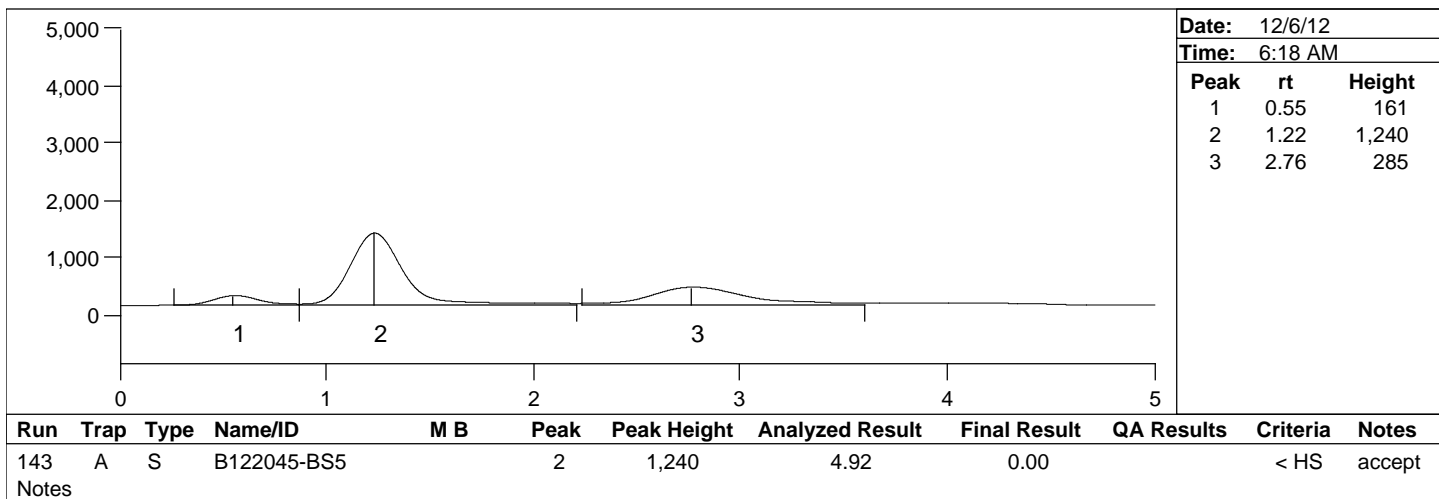
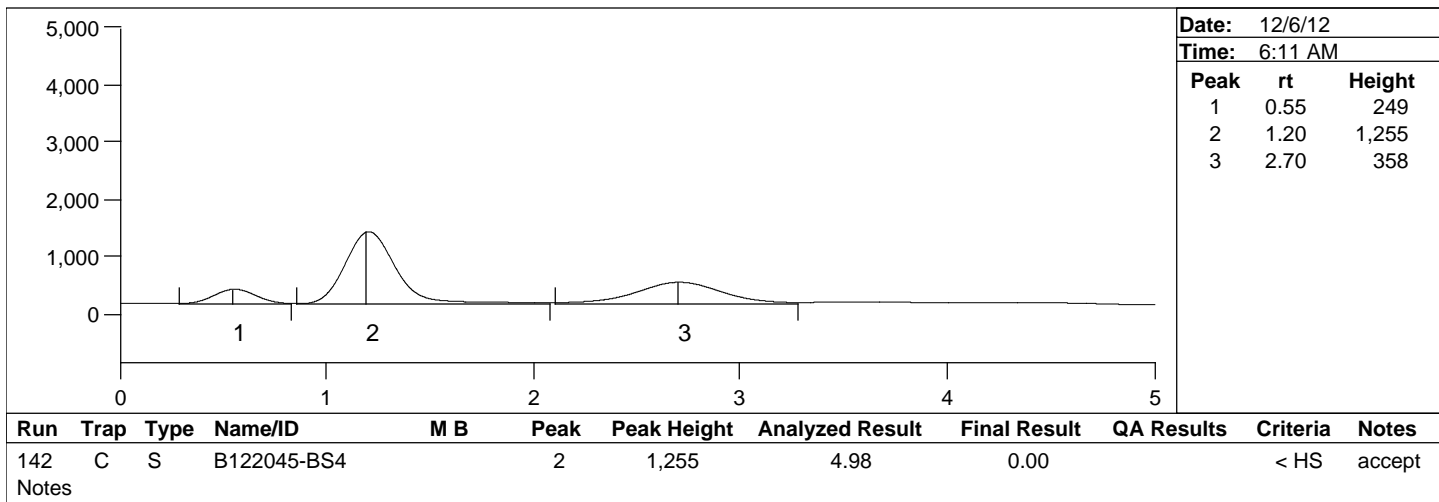


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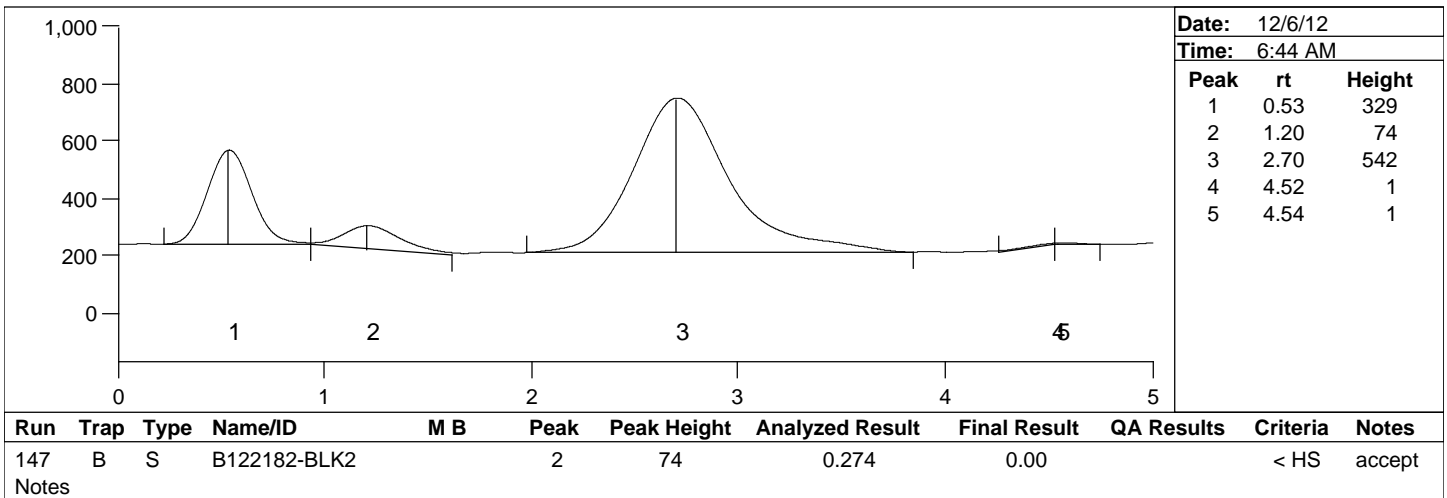
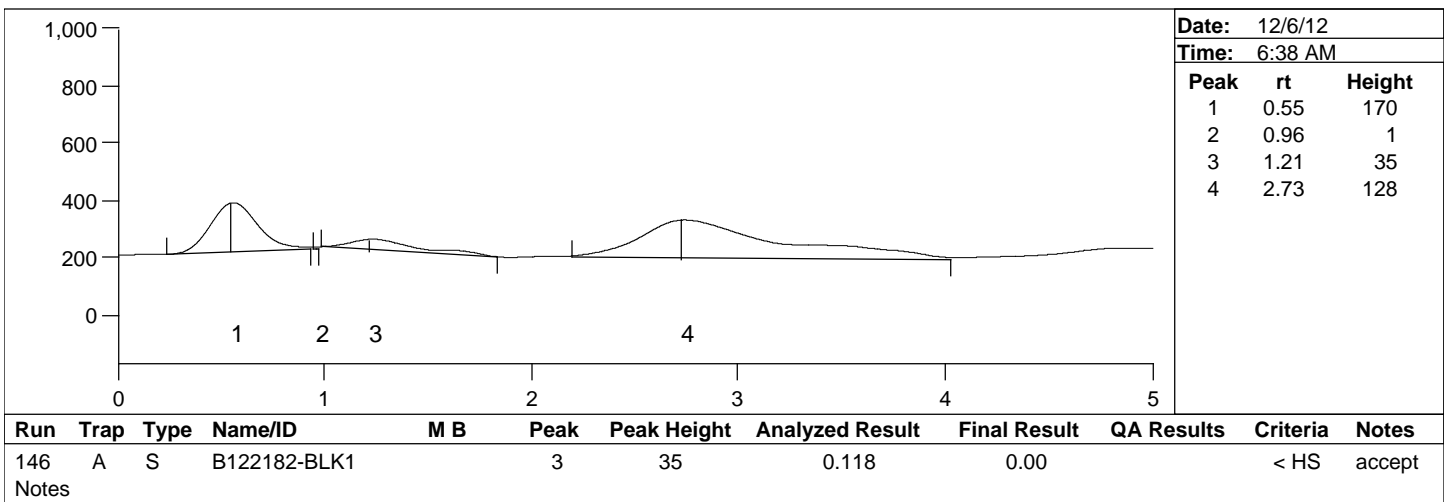
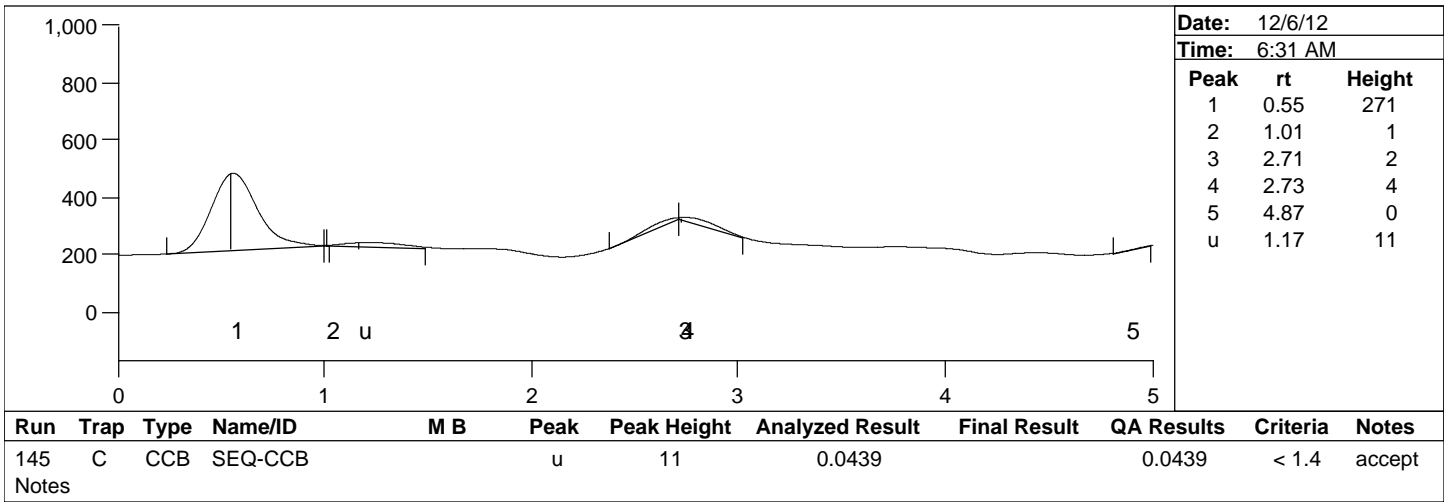


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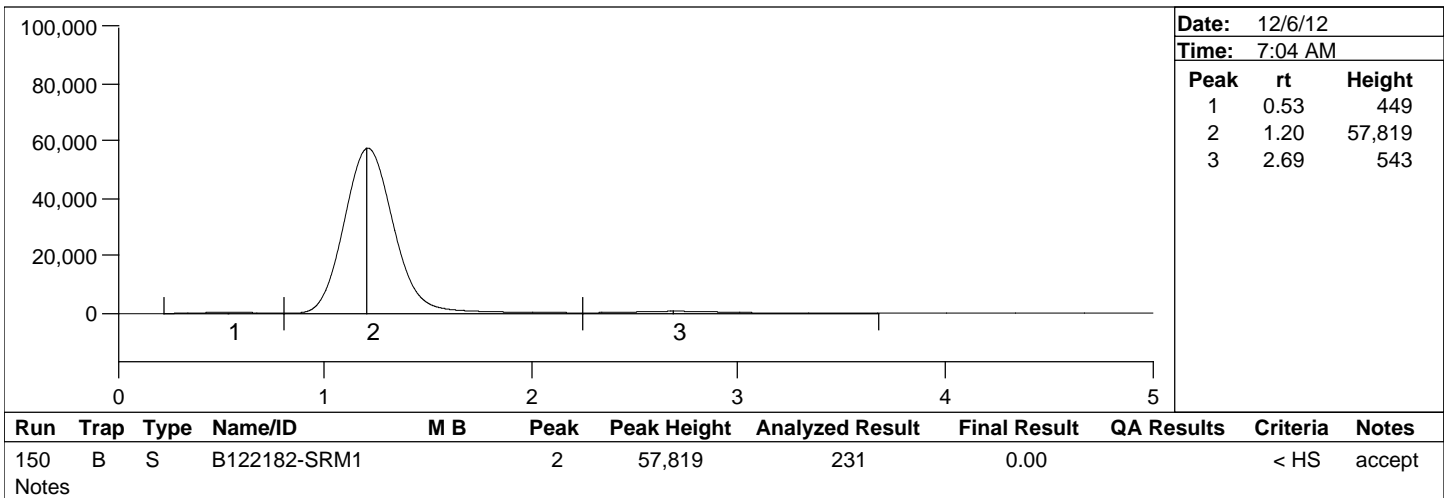
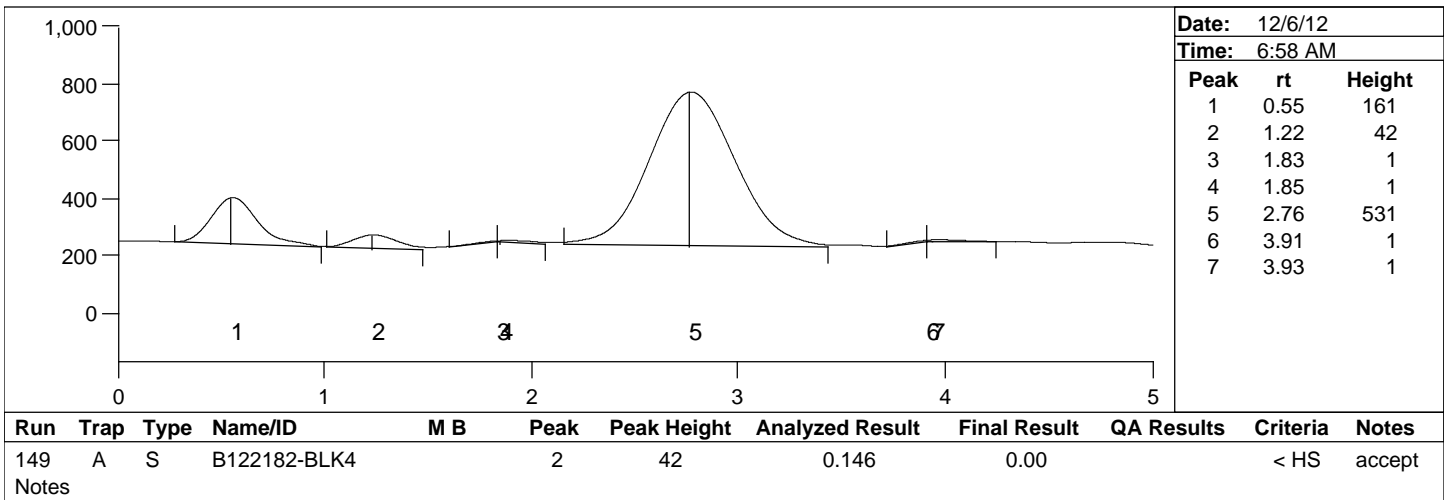
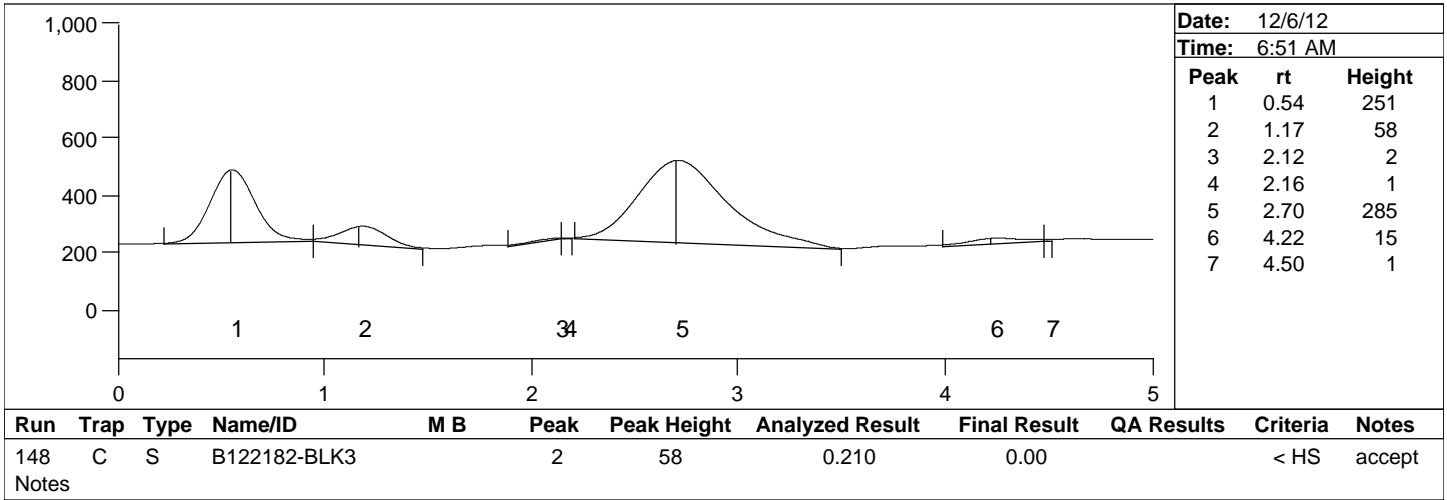


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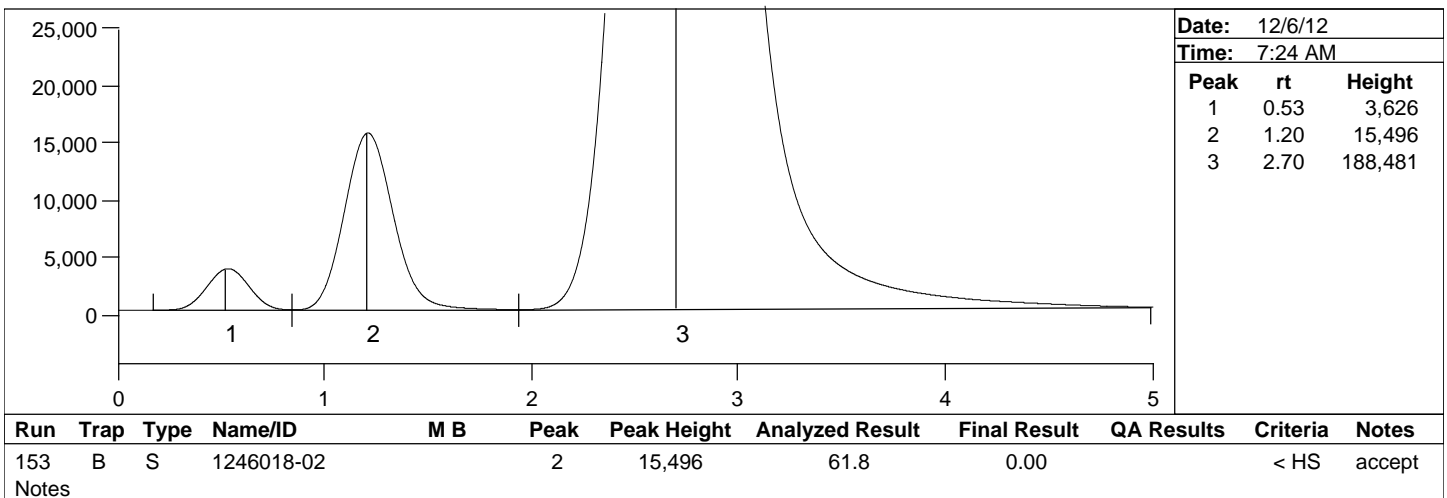
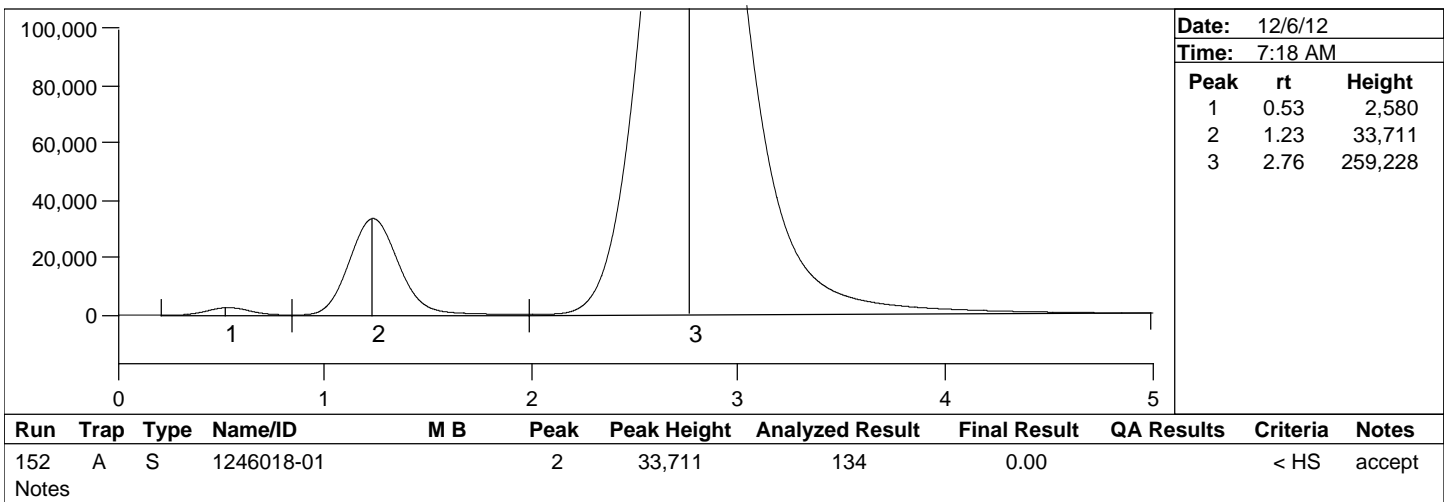
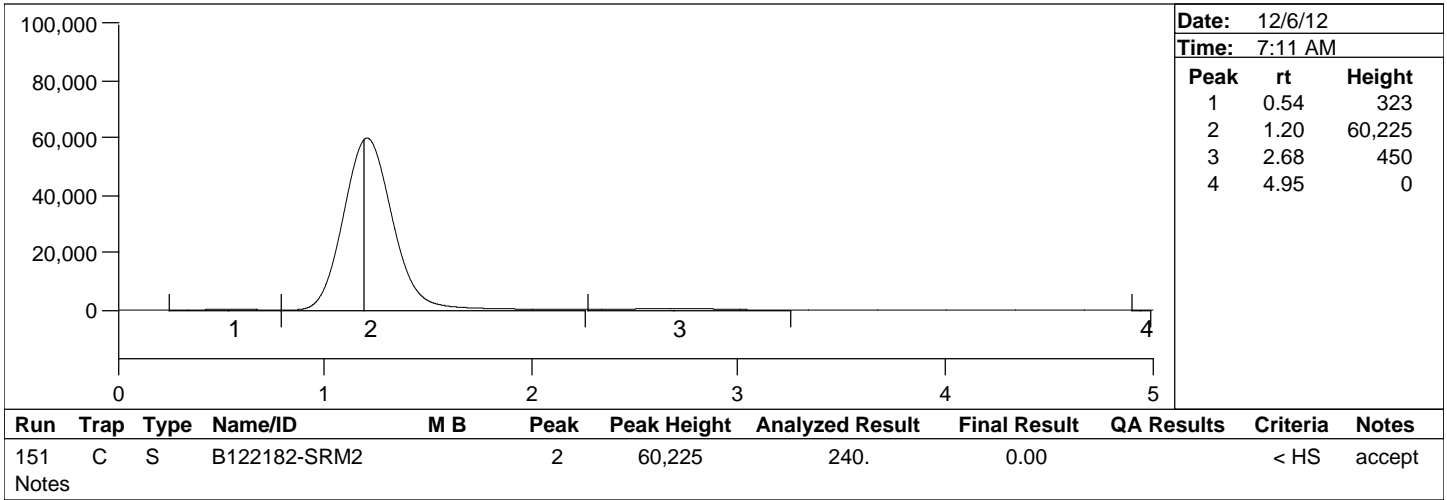


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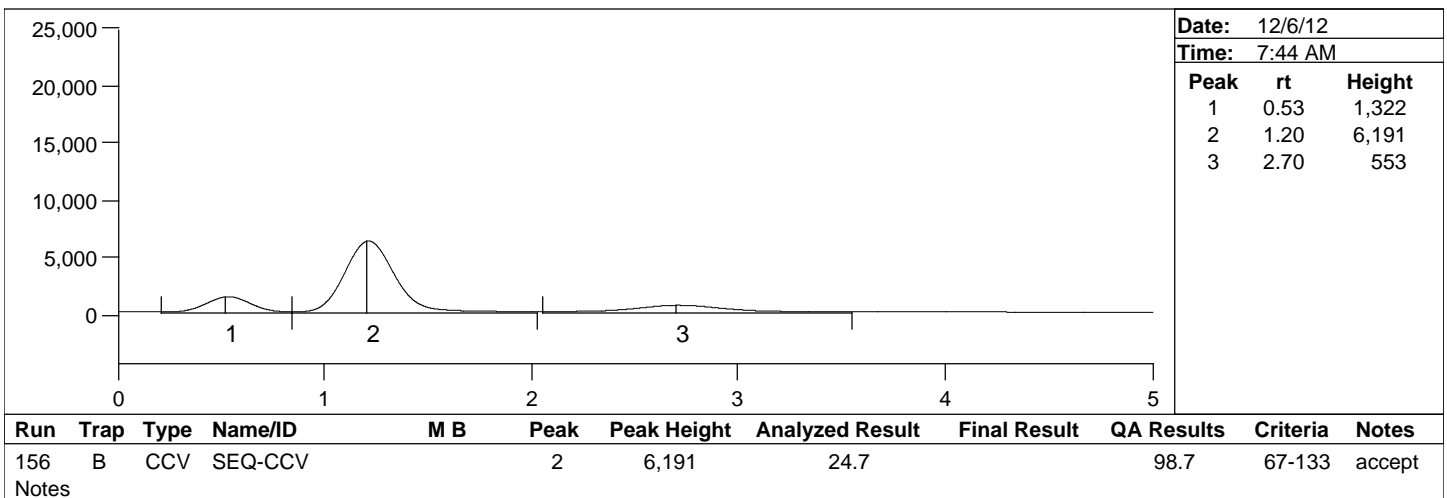
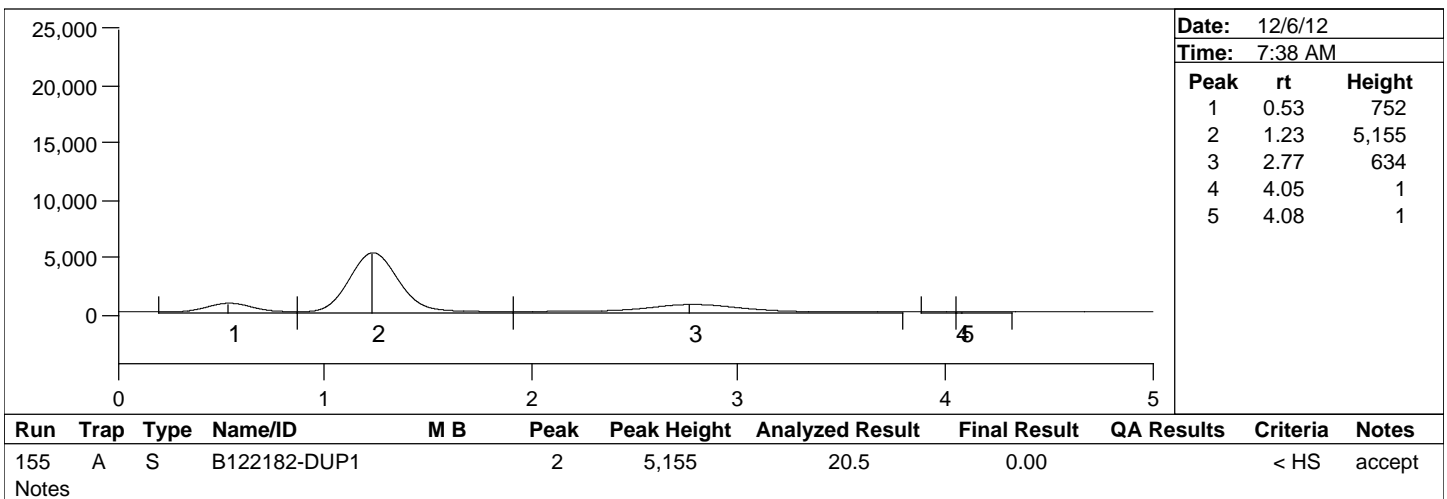
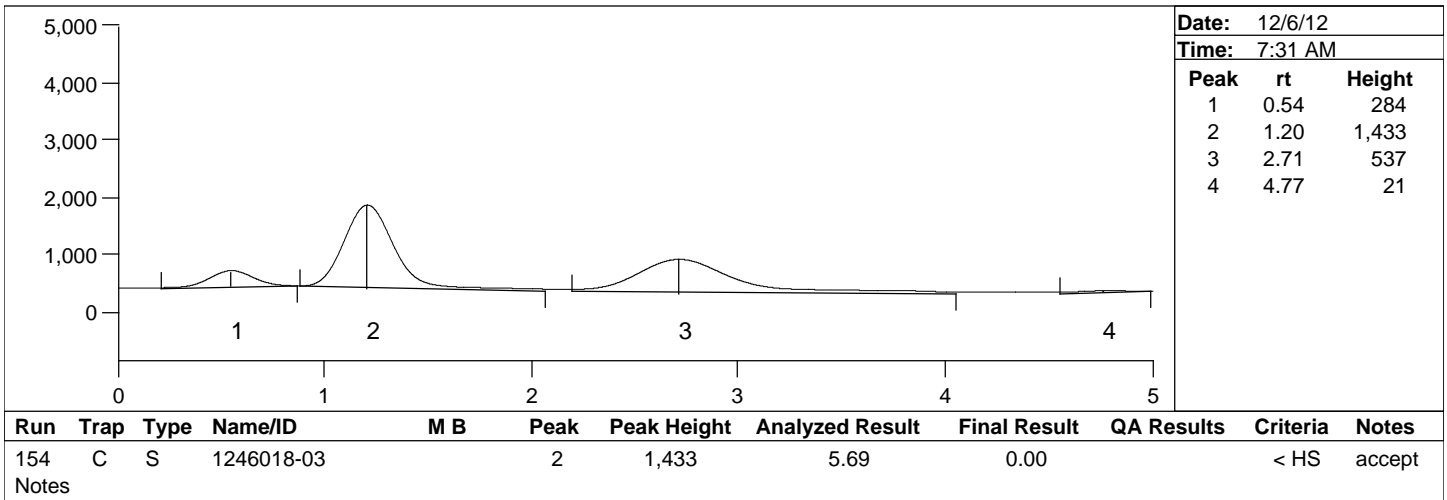


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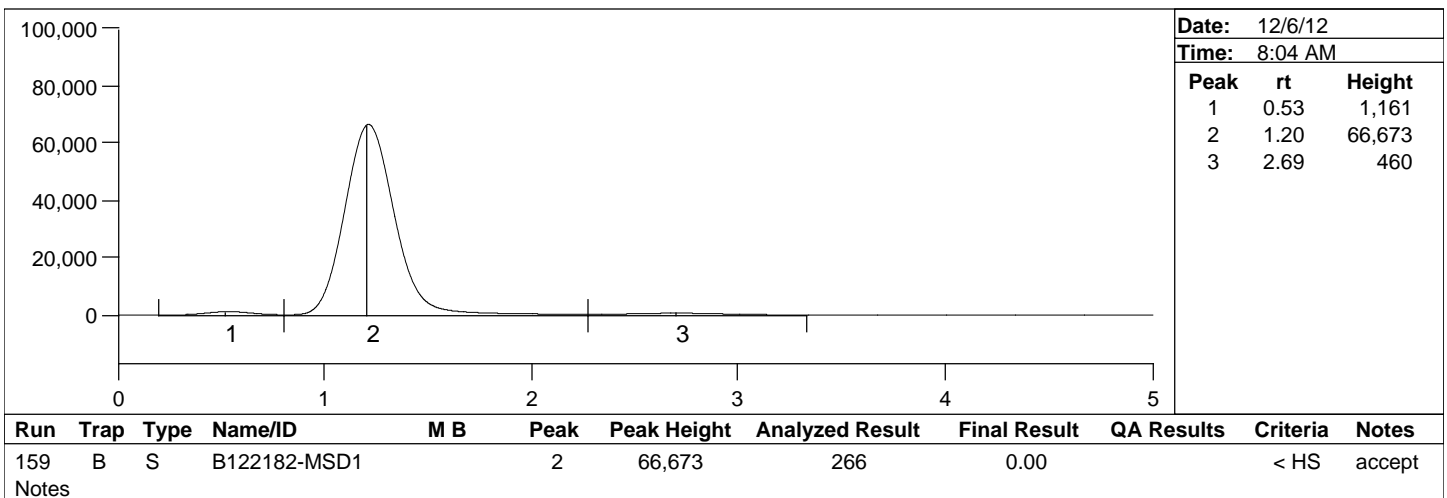
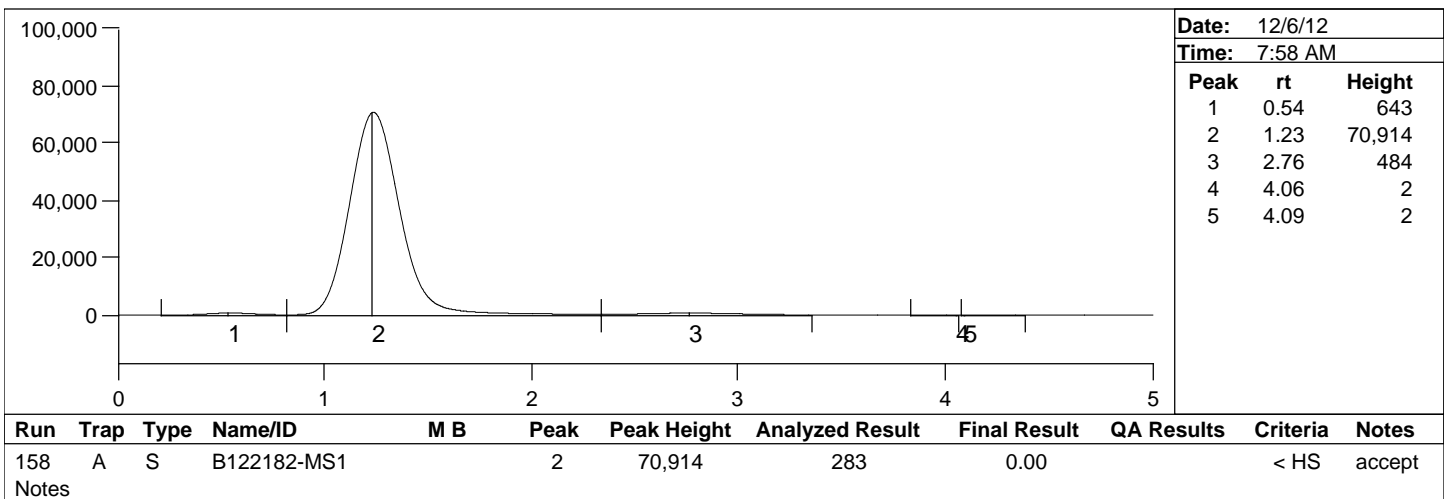
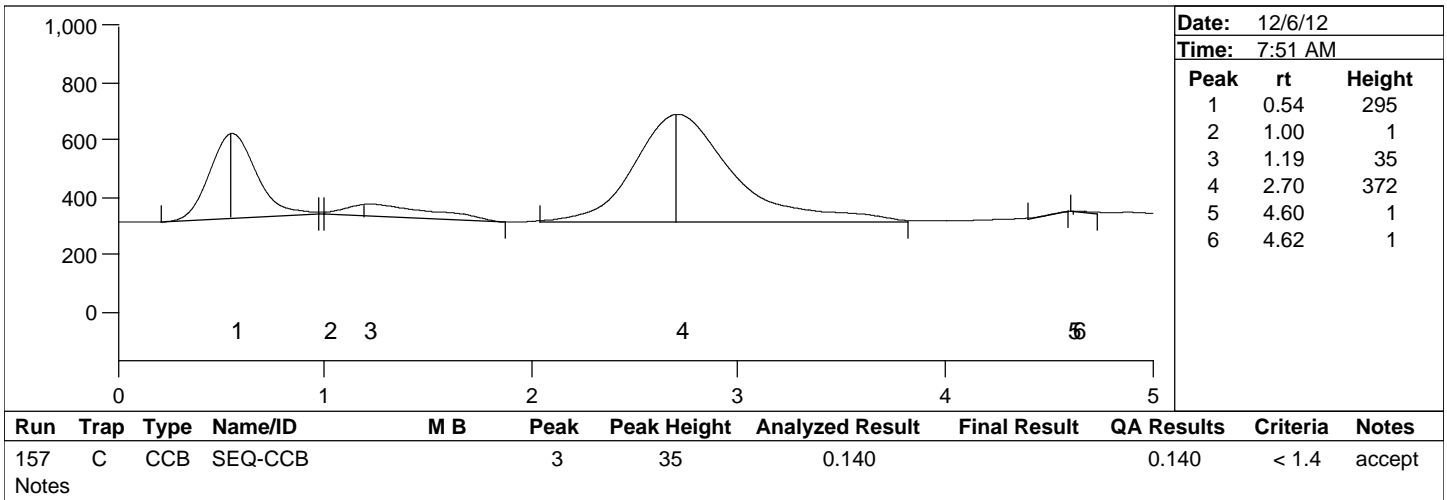


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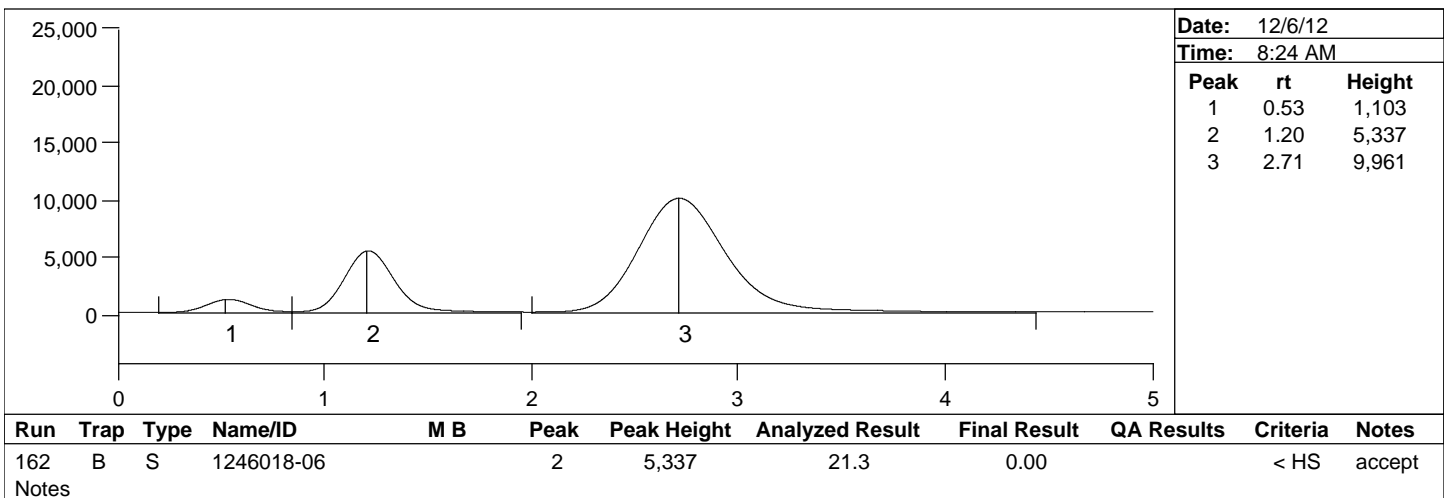
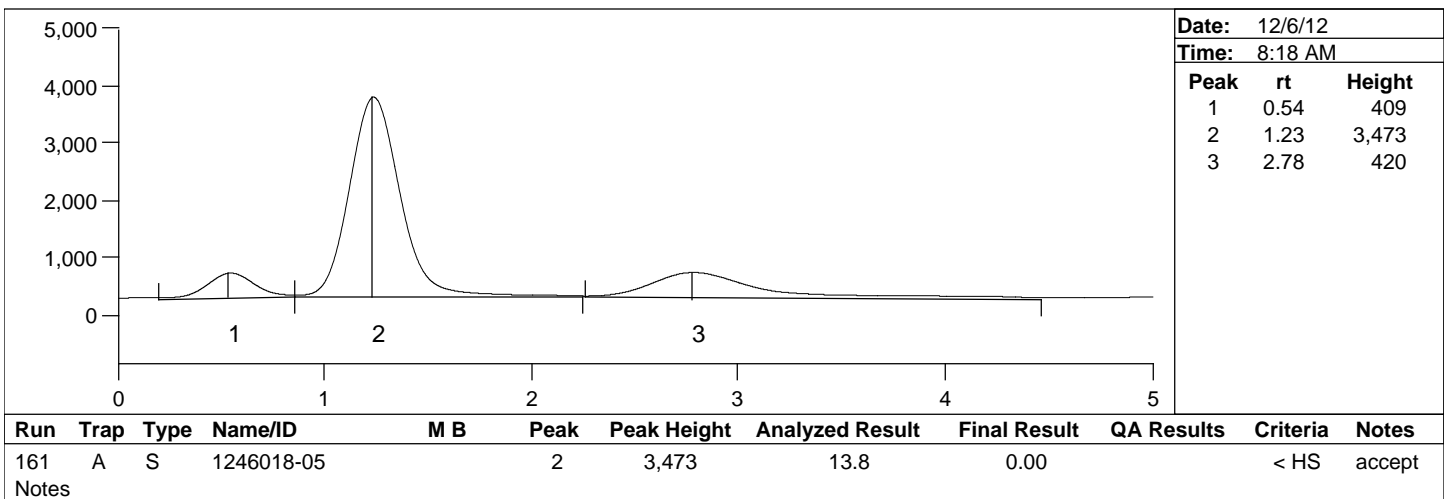
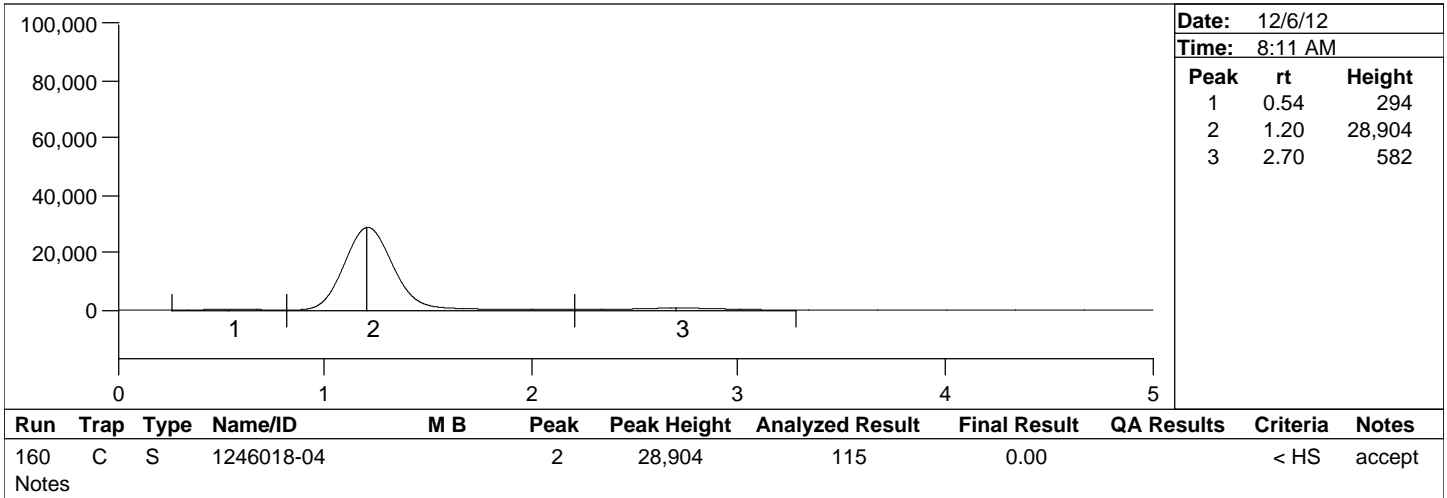


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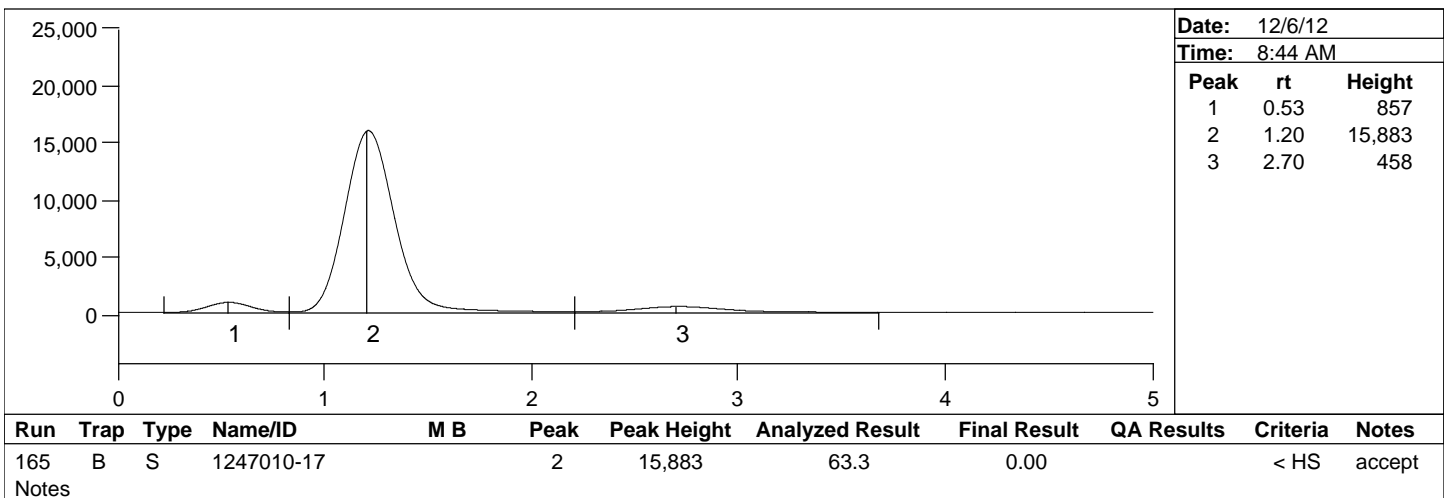
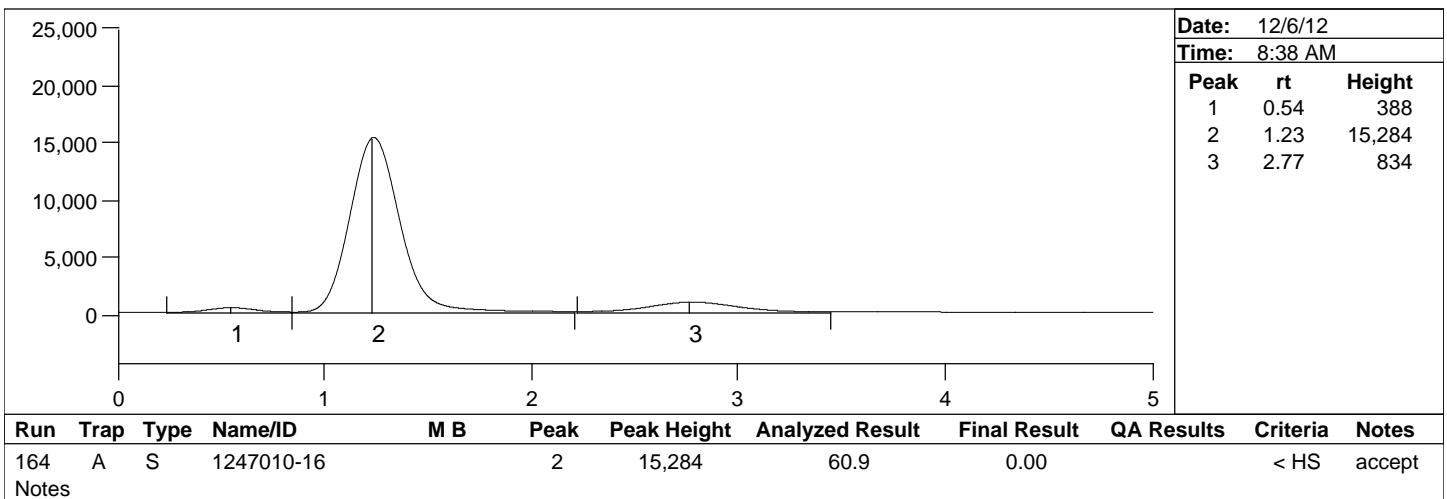
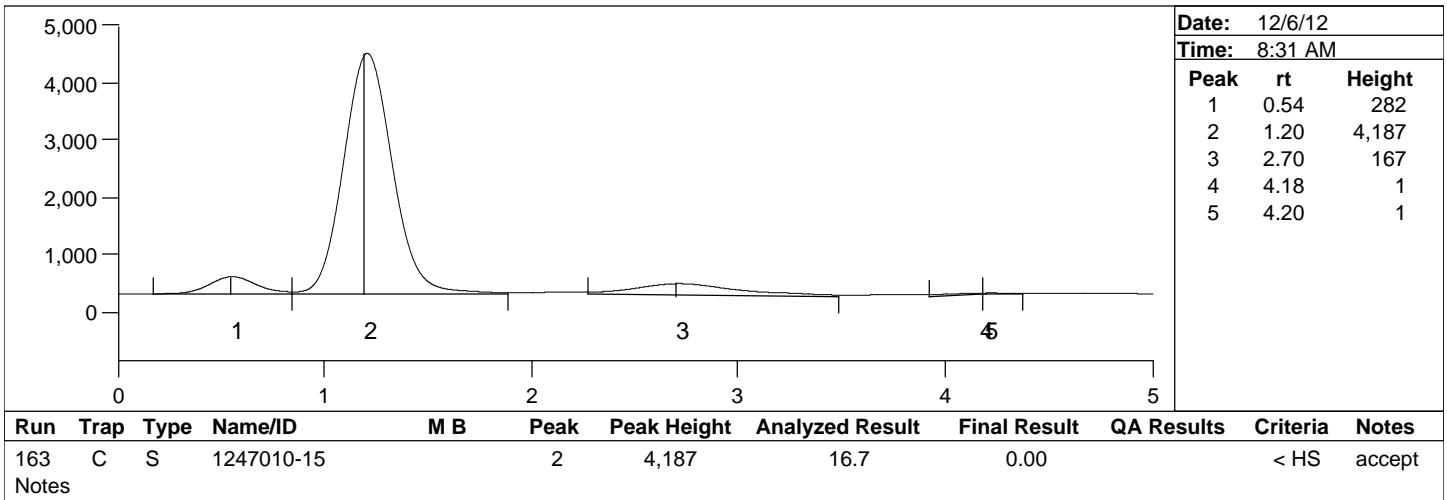


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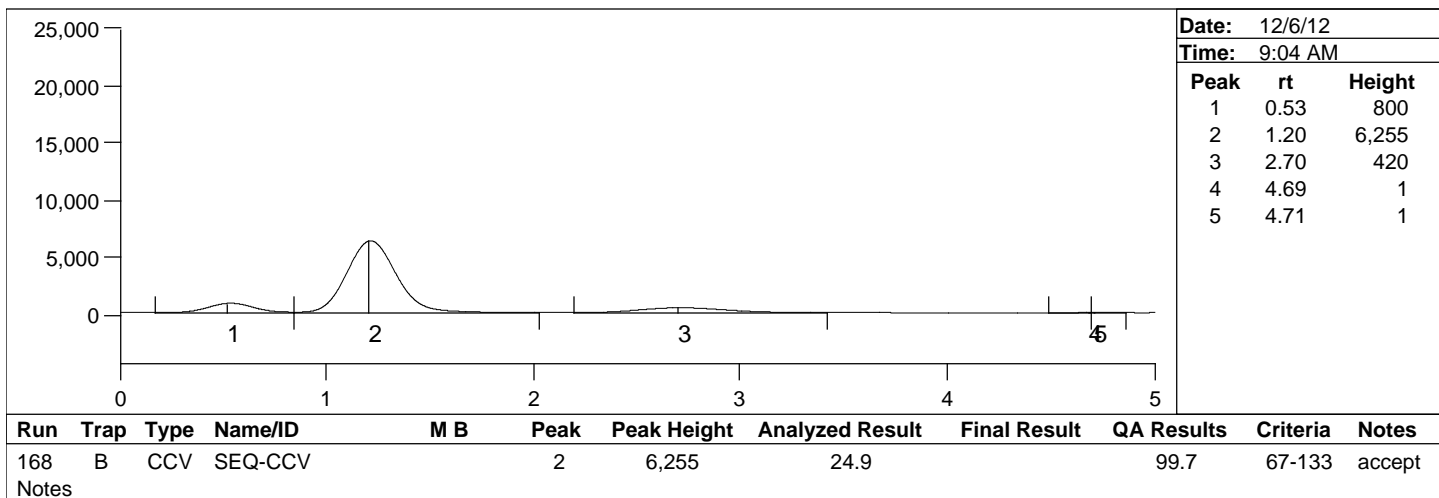
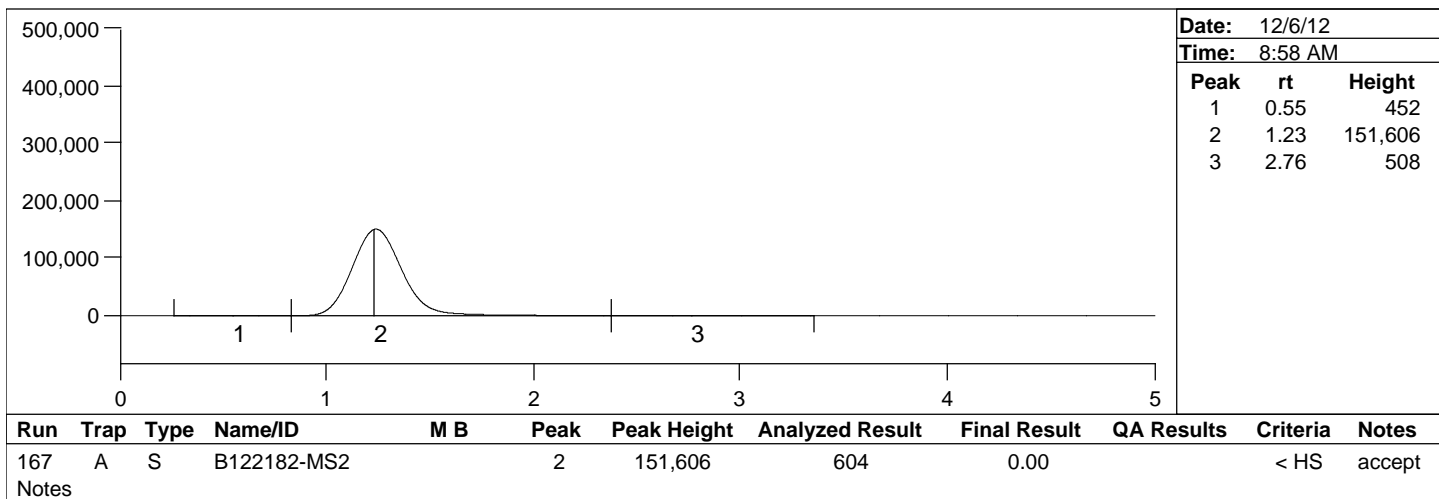
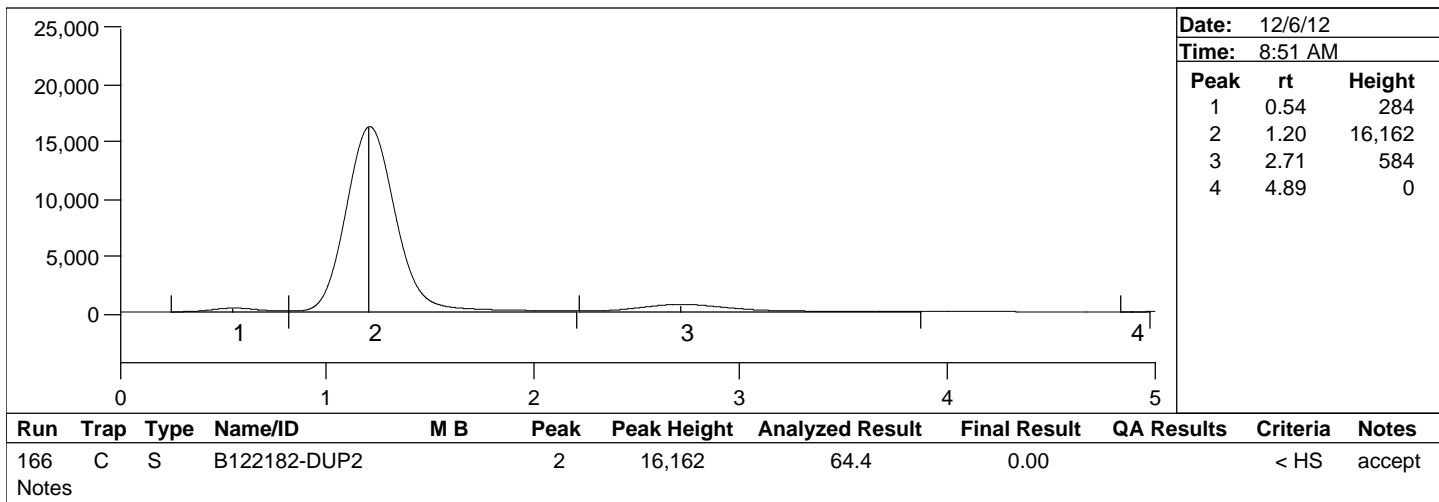


Peak Report

Batch Number: B122152, 2151,
Method Number: CVAFS BR-0011

Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
Analyst Name: BJT

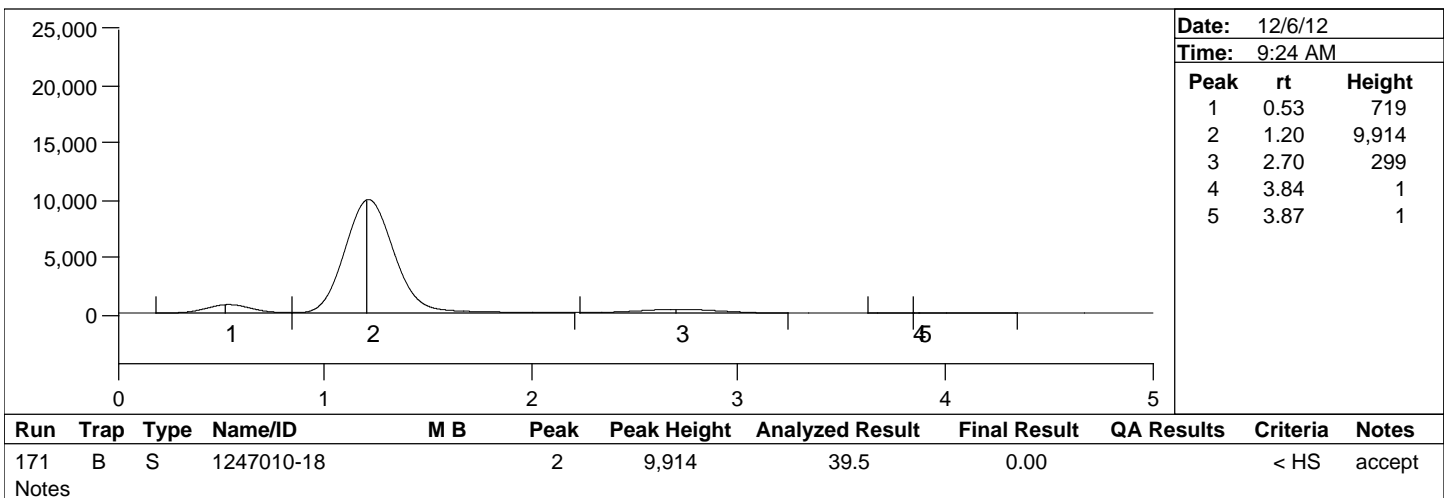
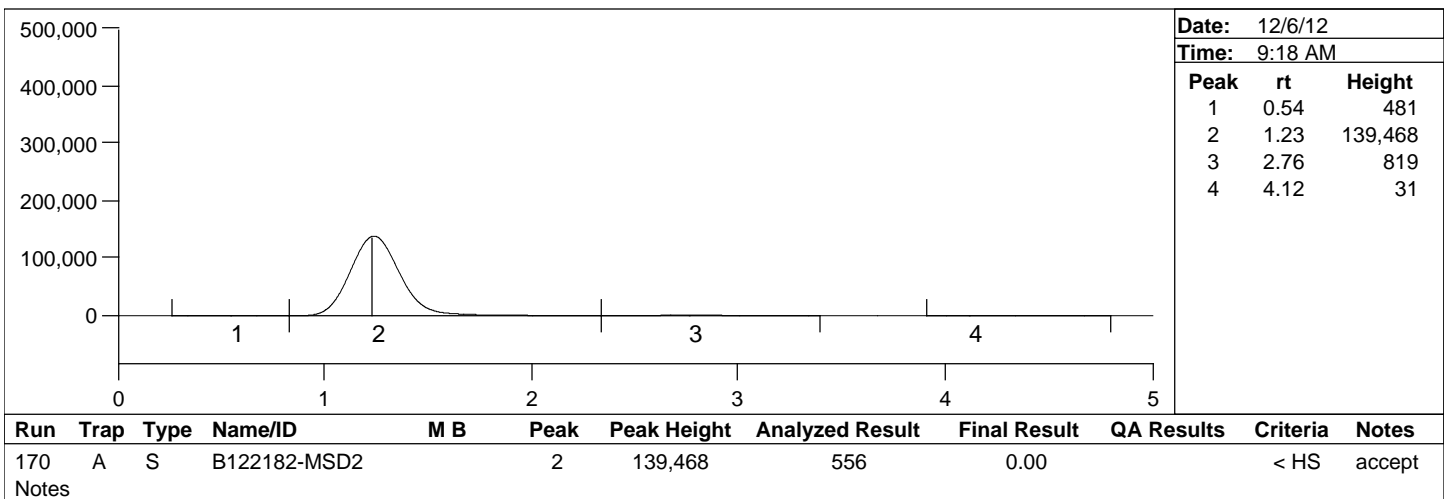
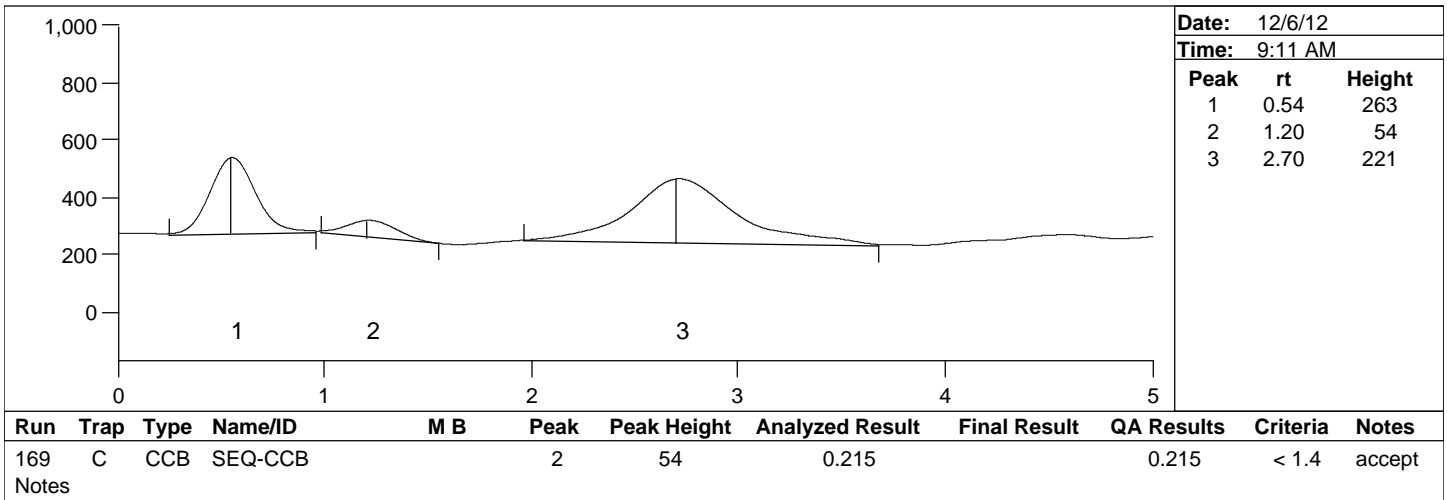


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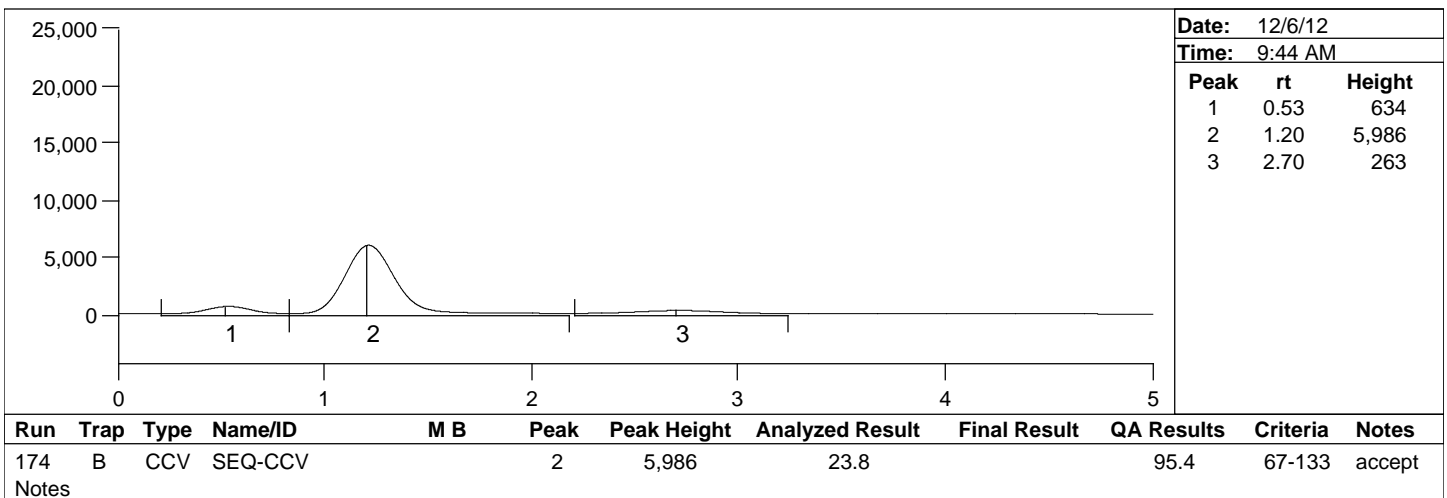
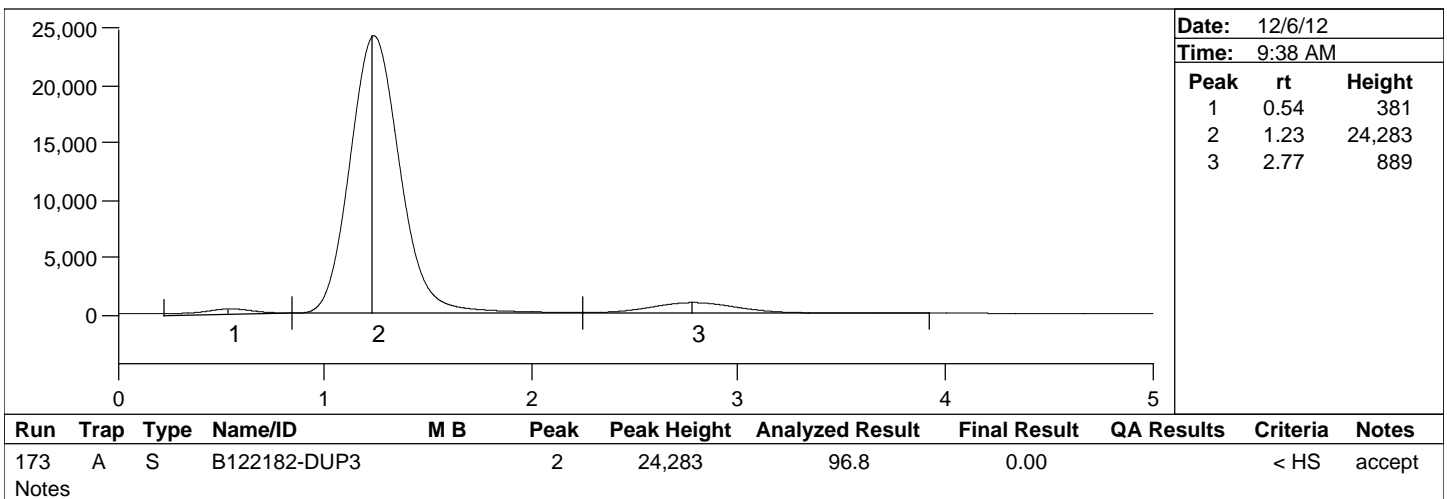
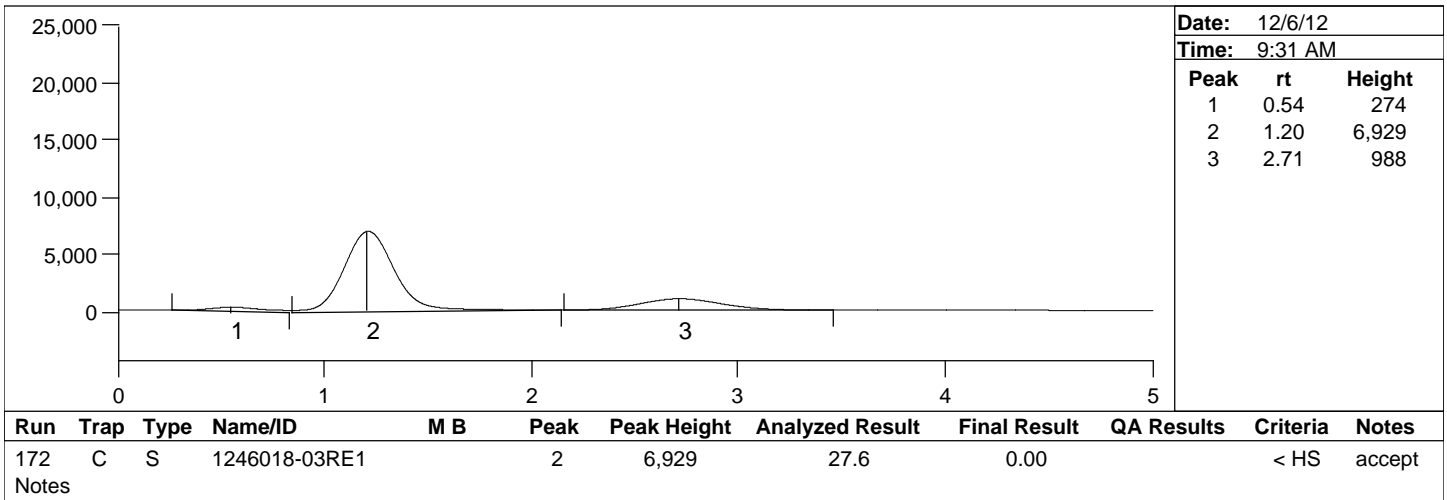


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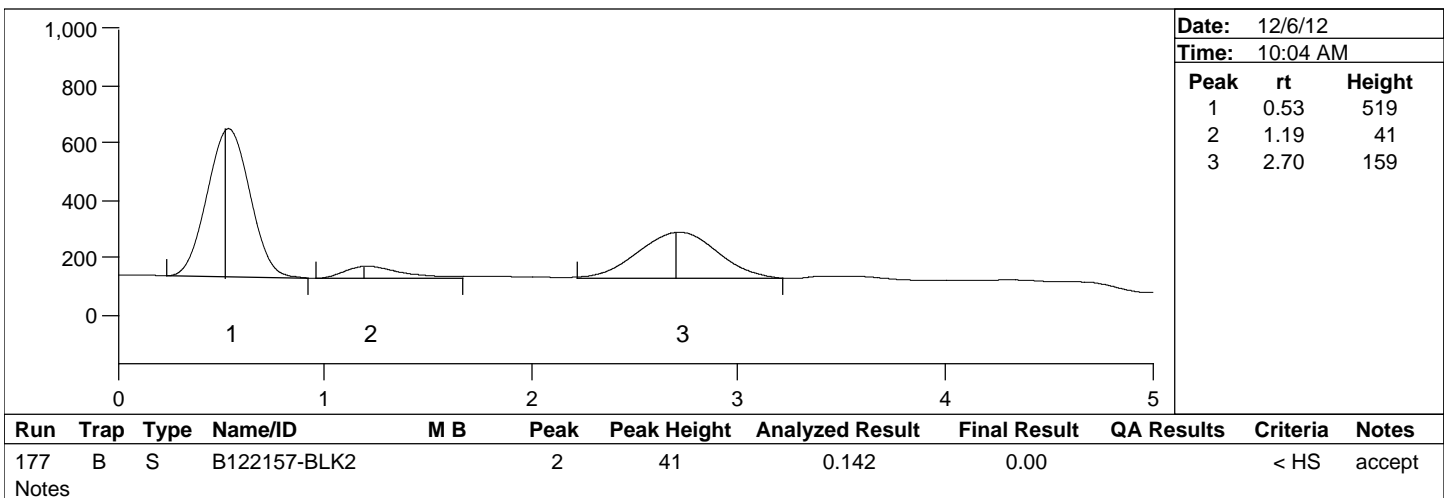
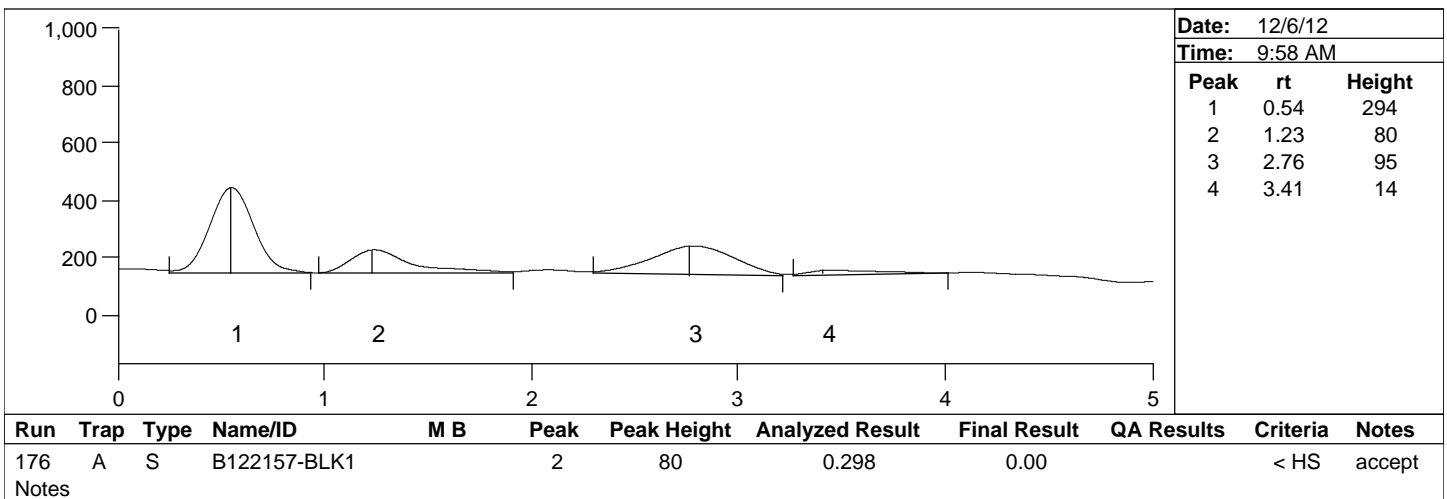
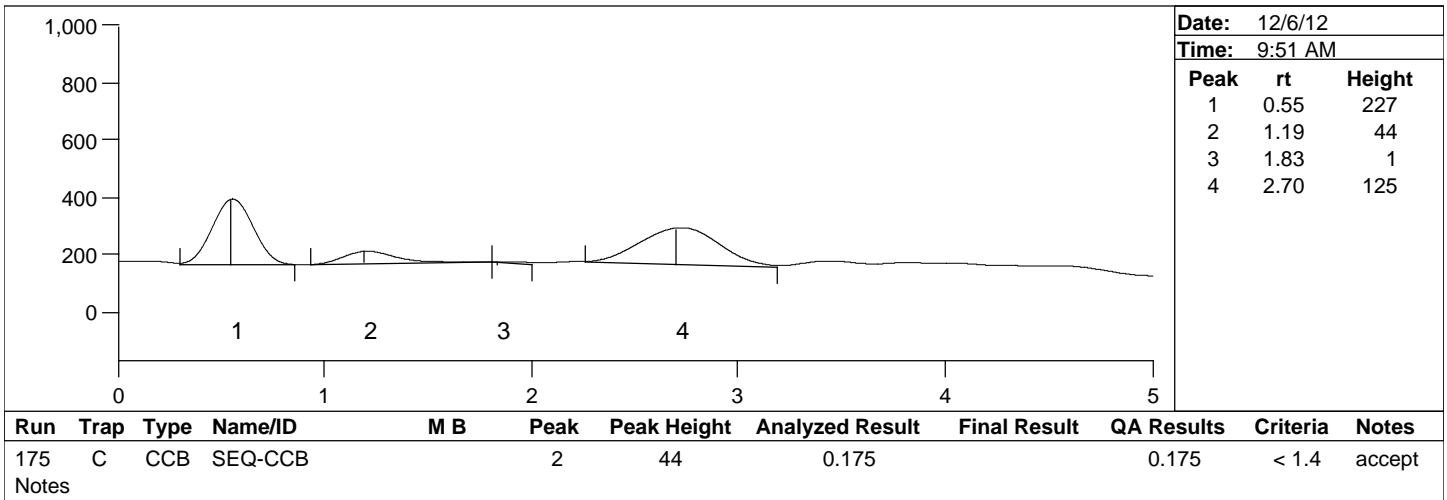


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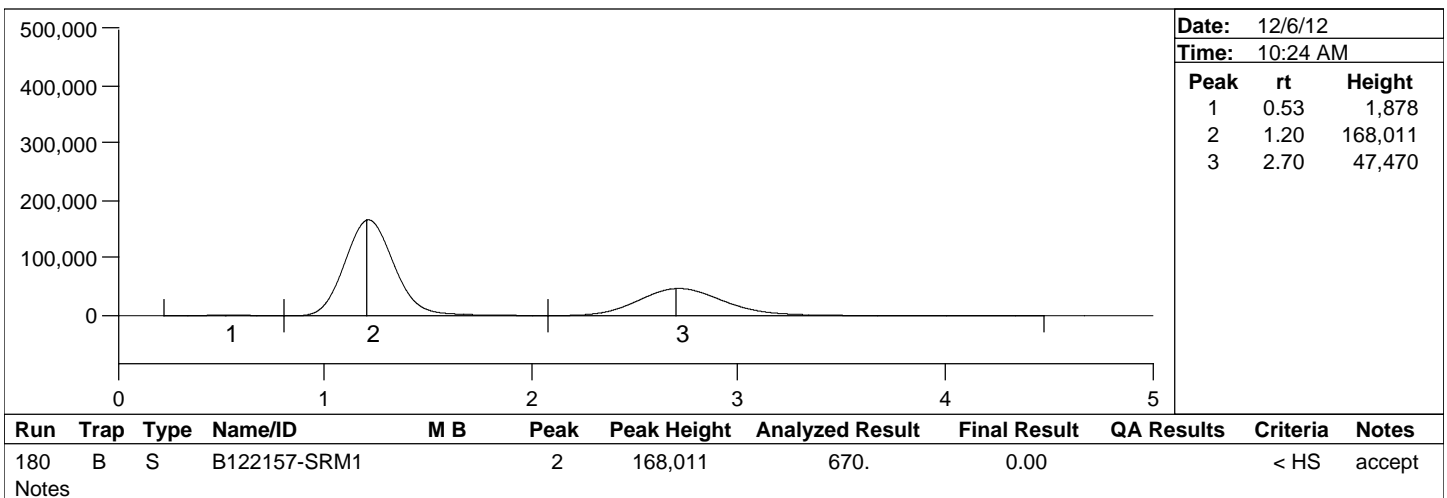
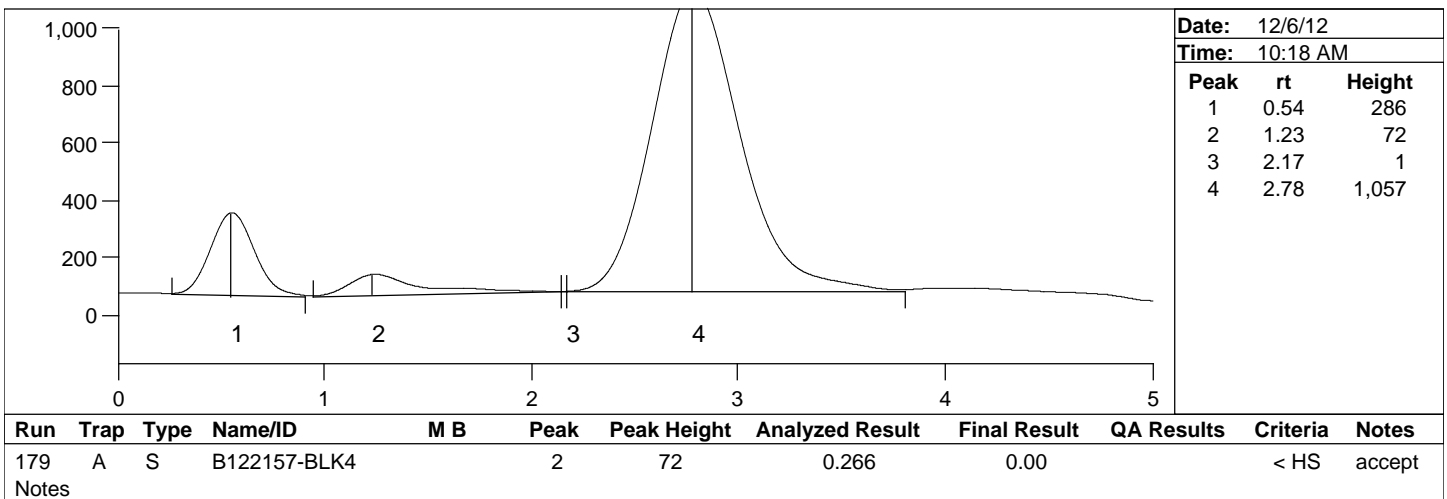
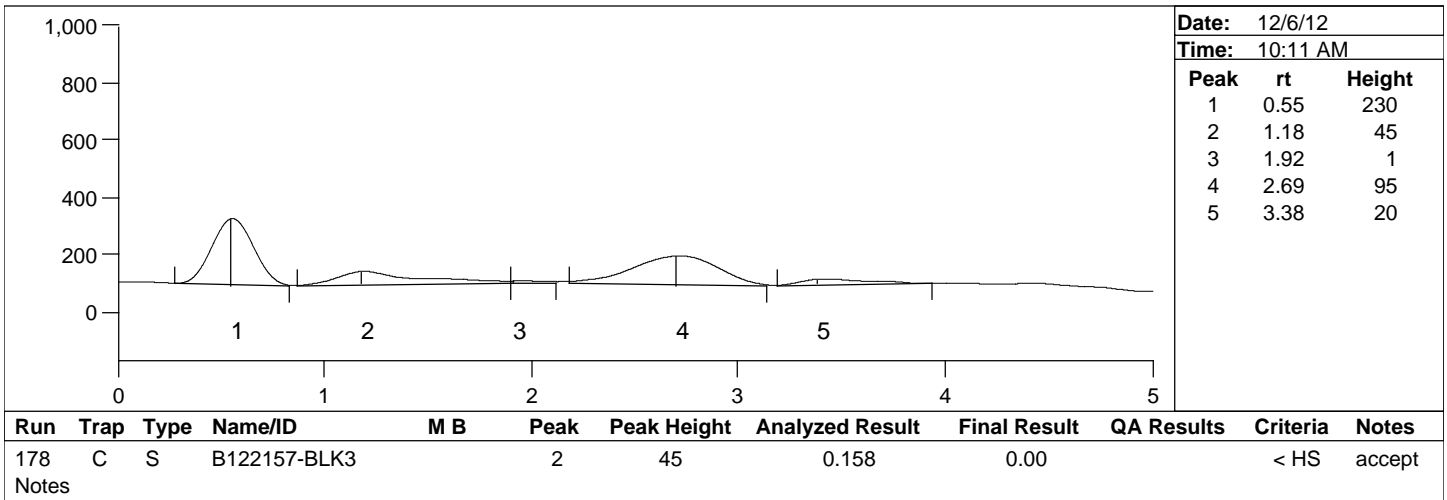


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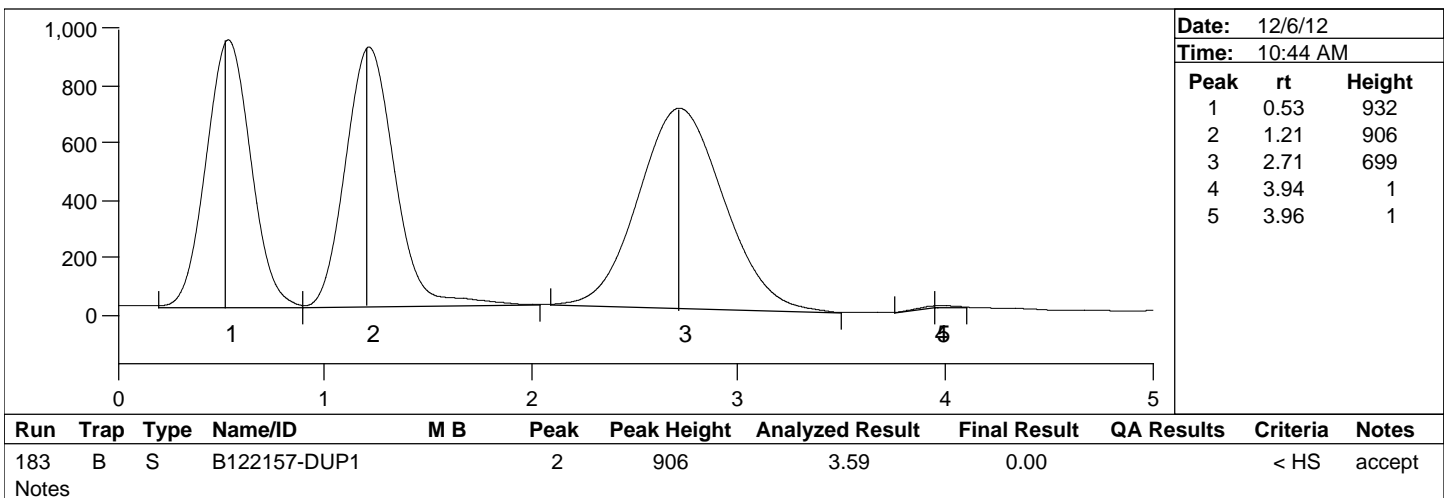
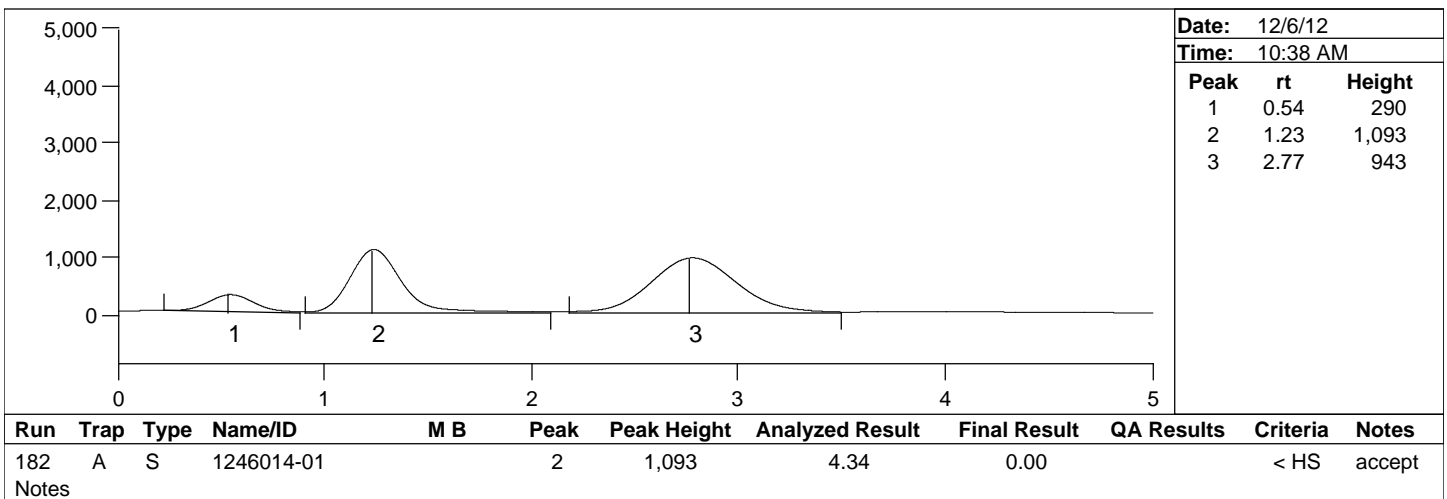
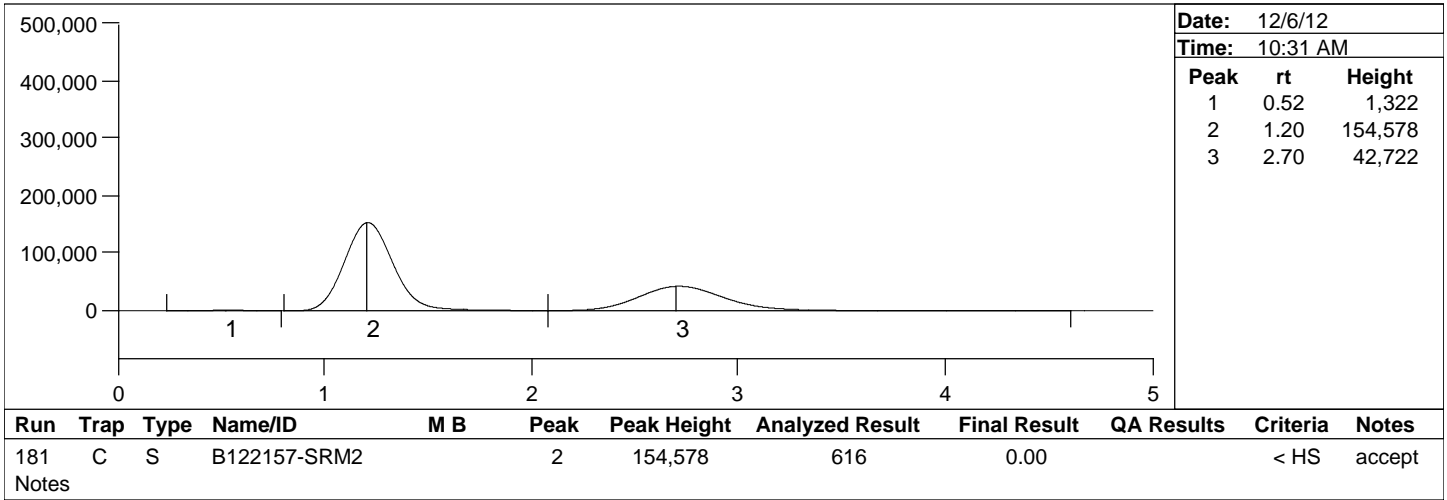


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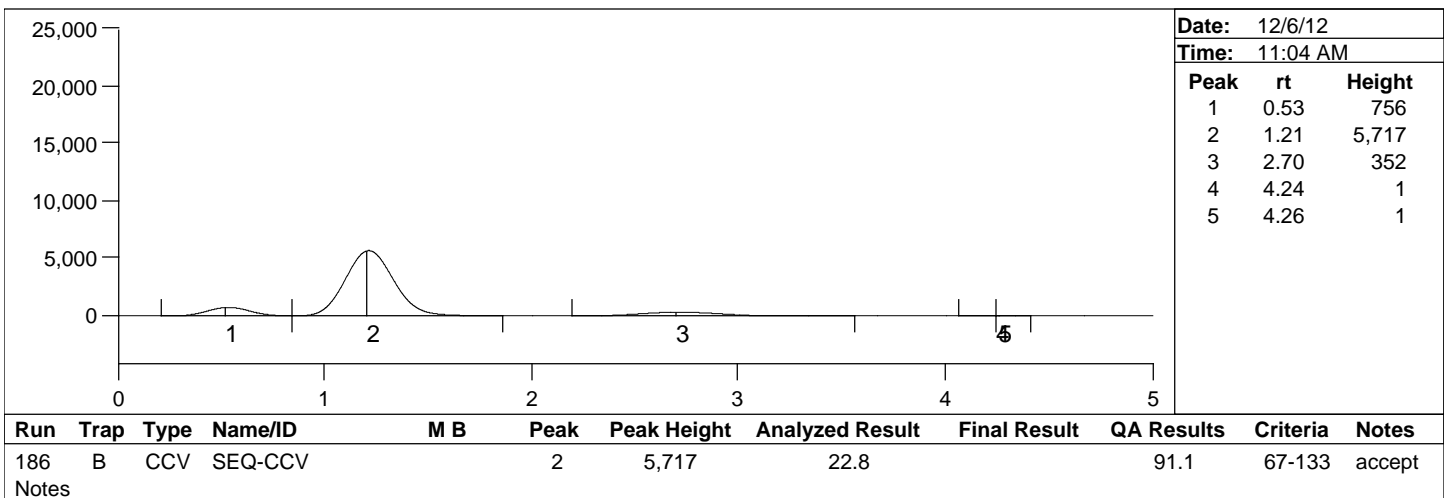
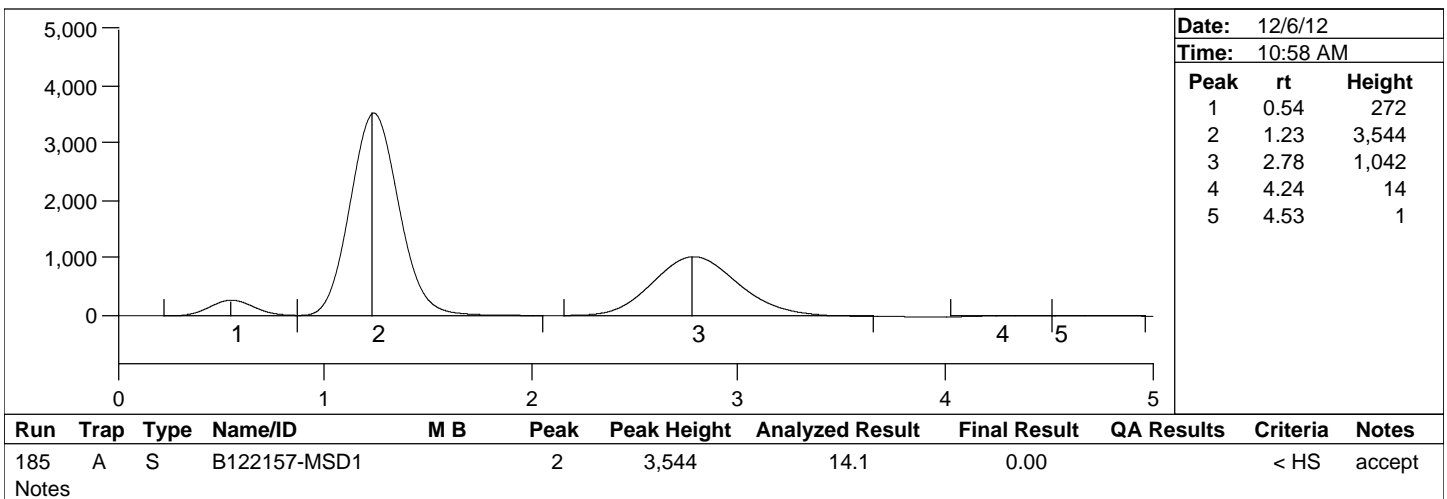
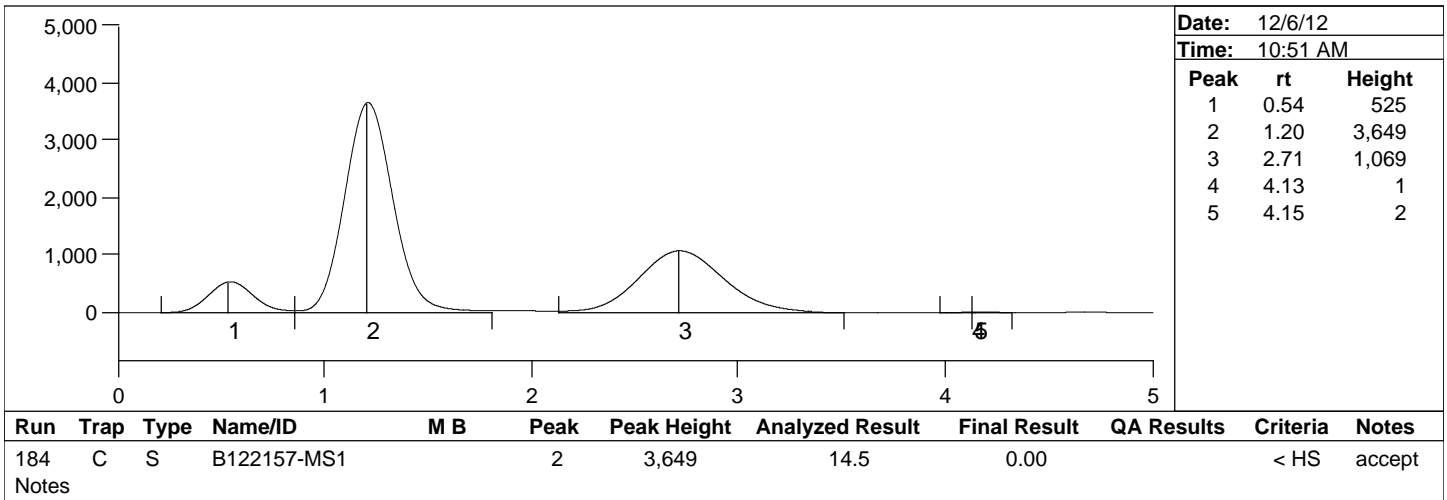


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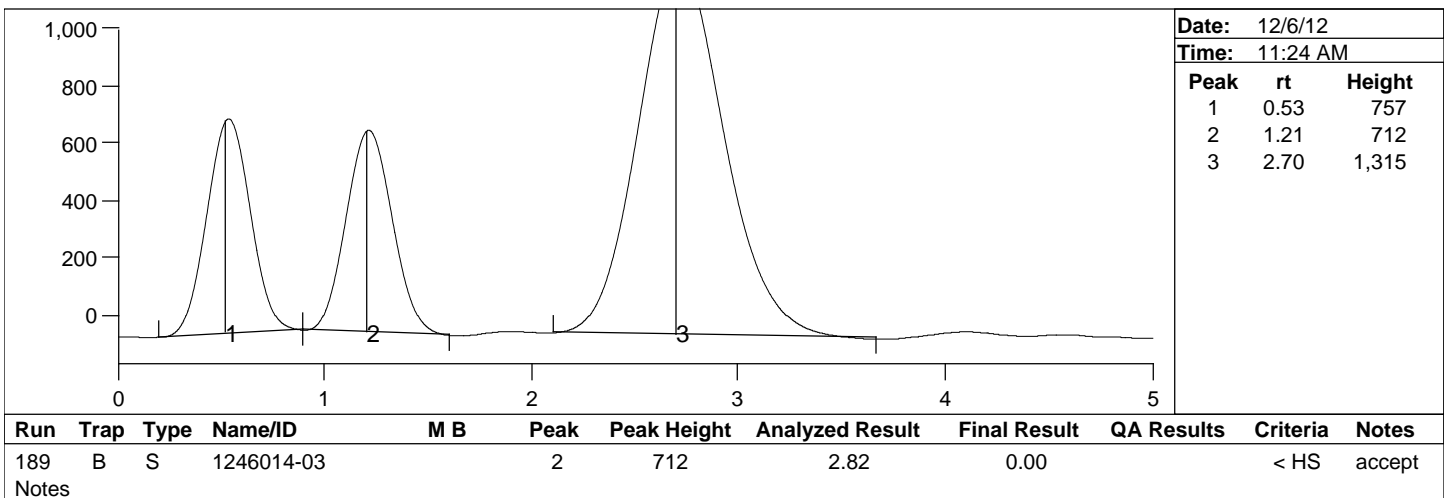
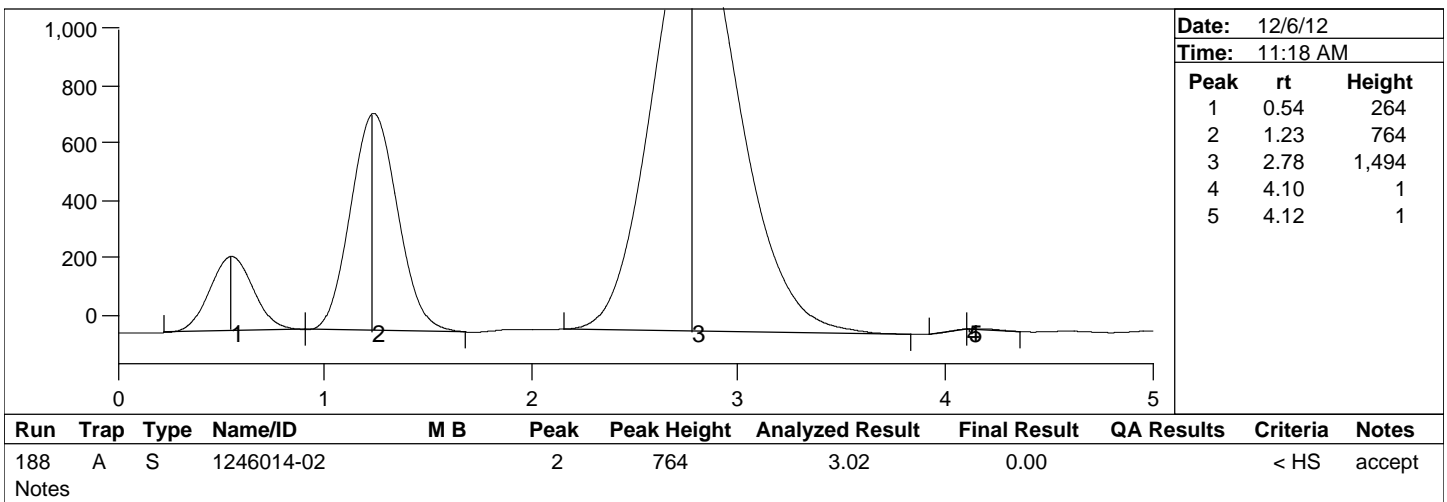
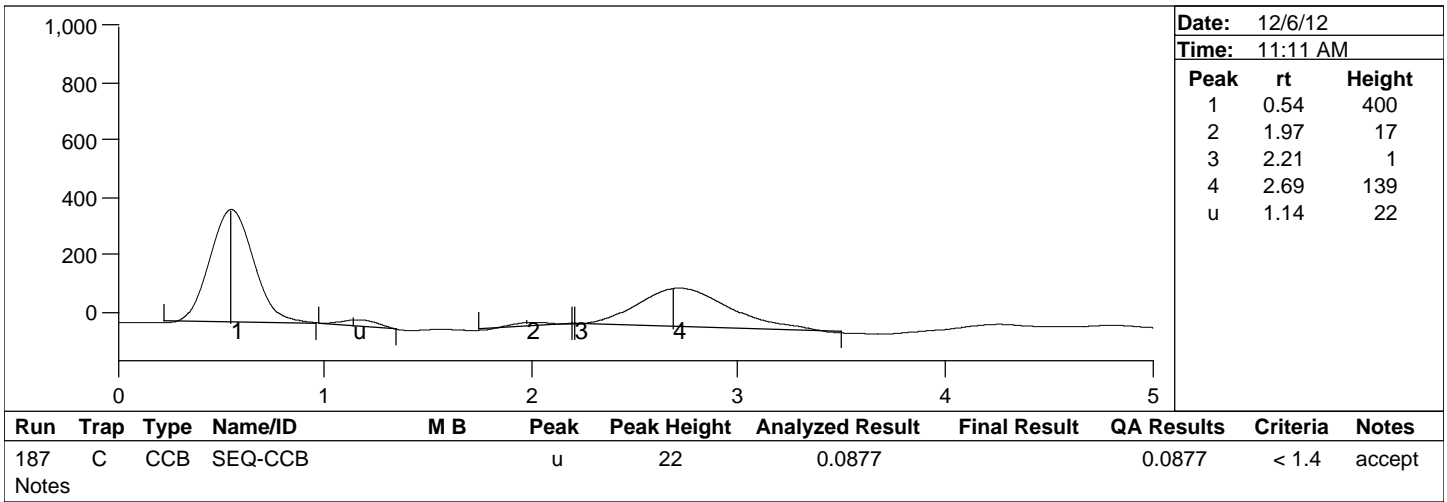


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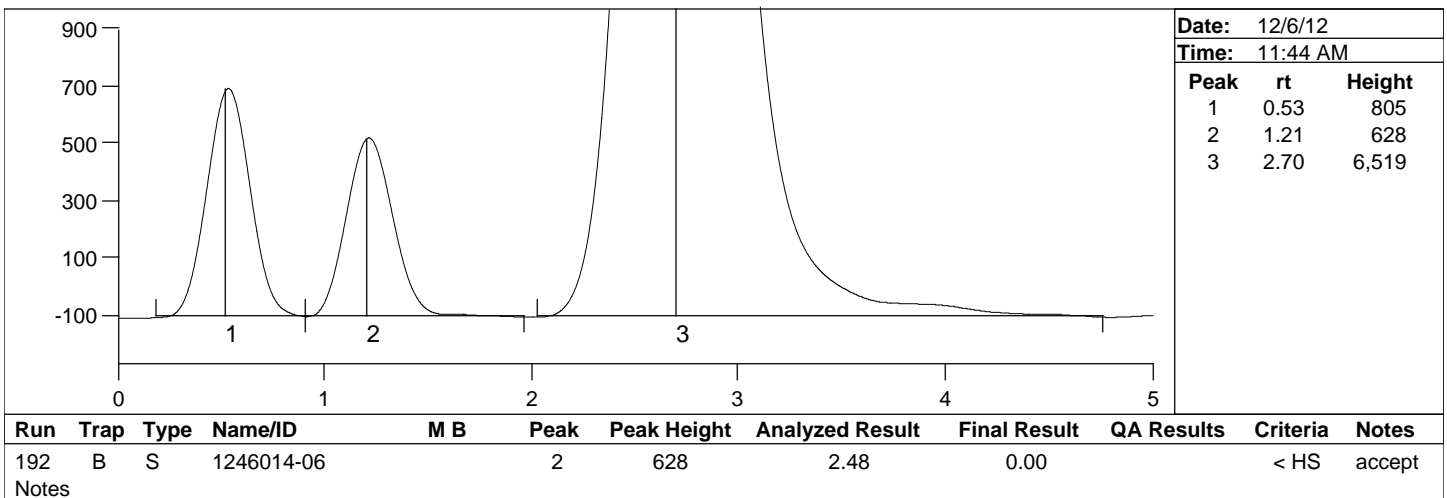
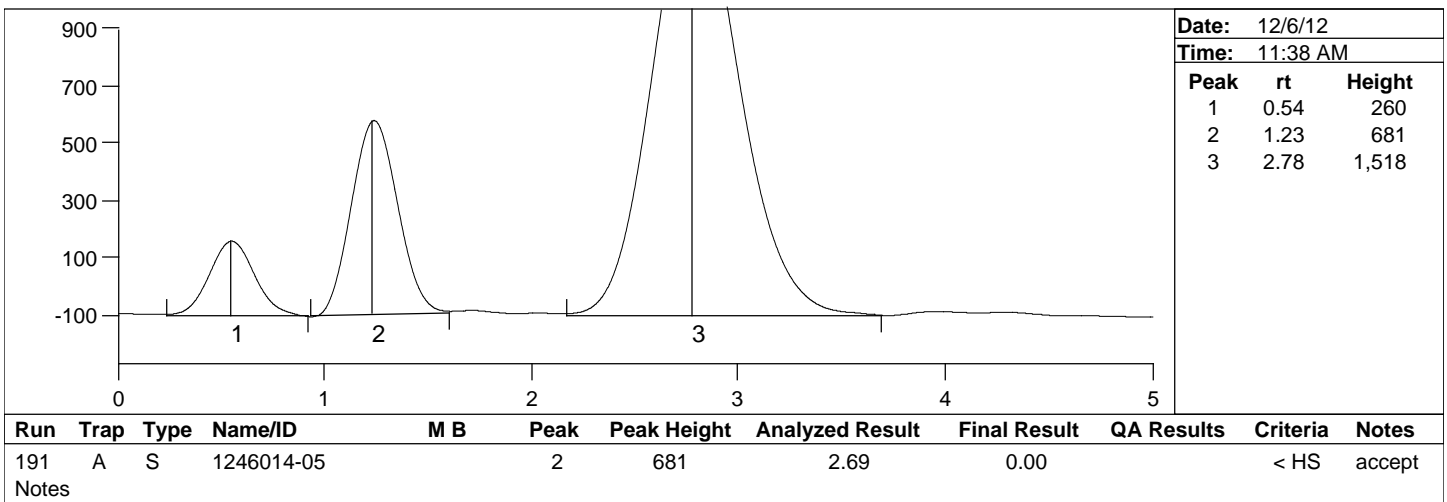
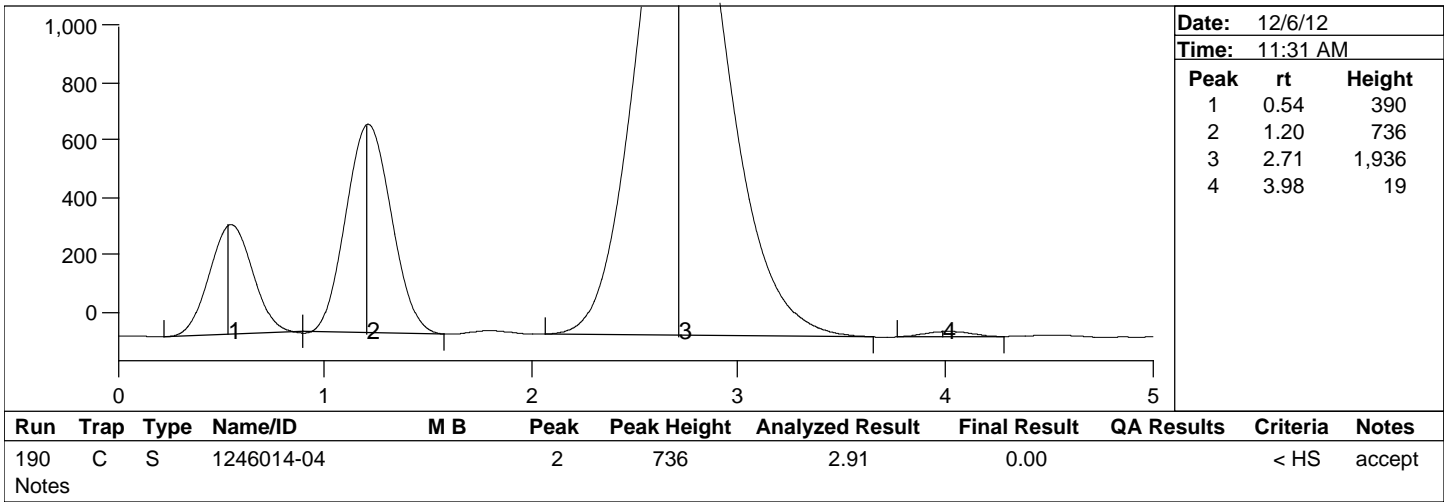


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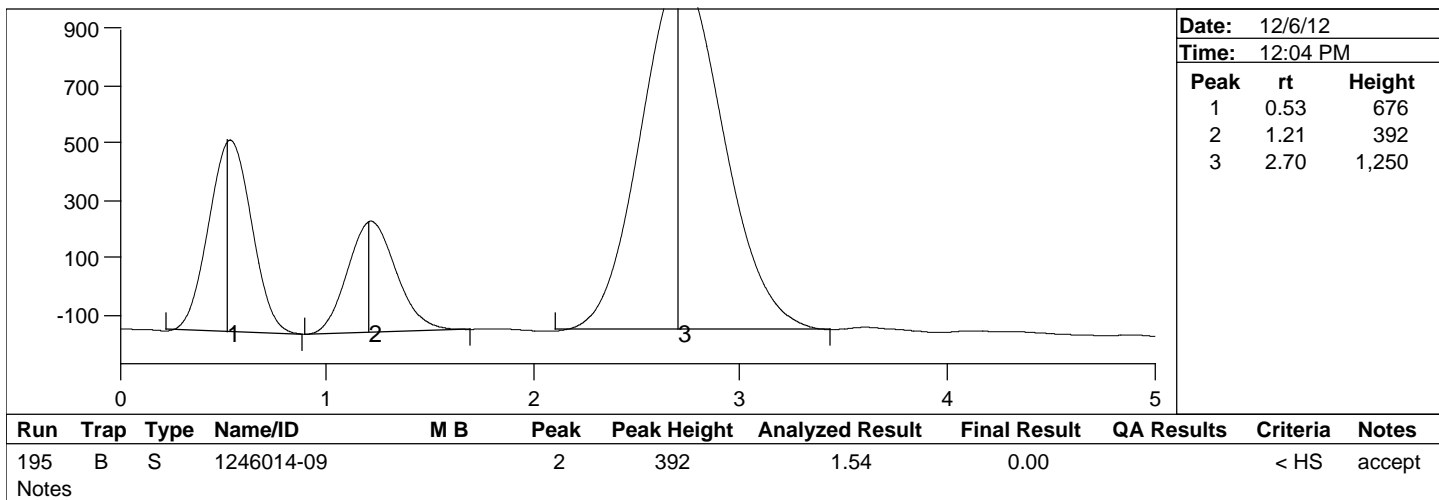
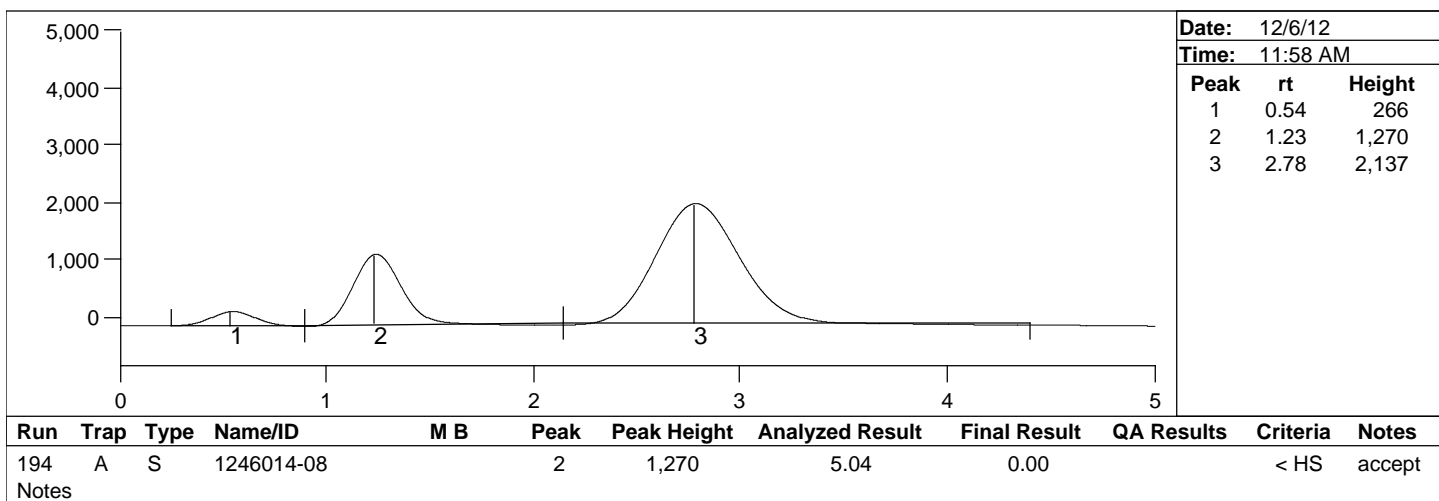
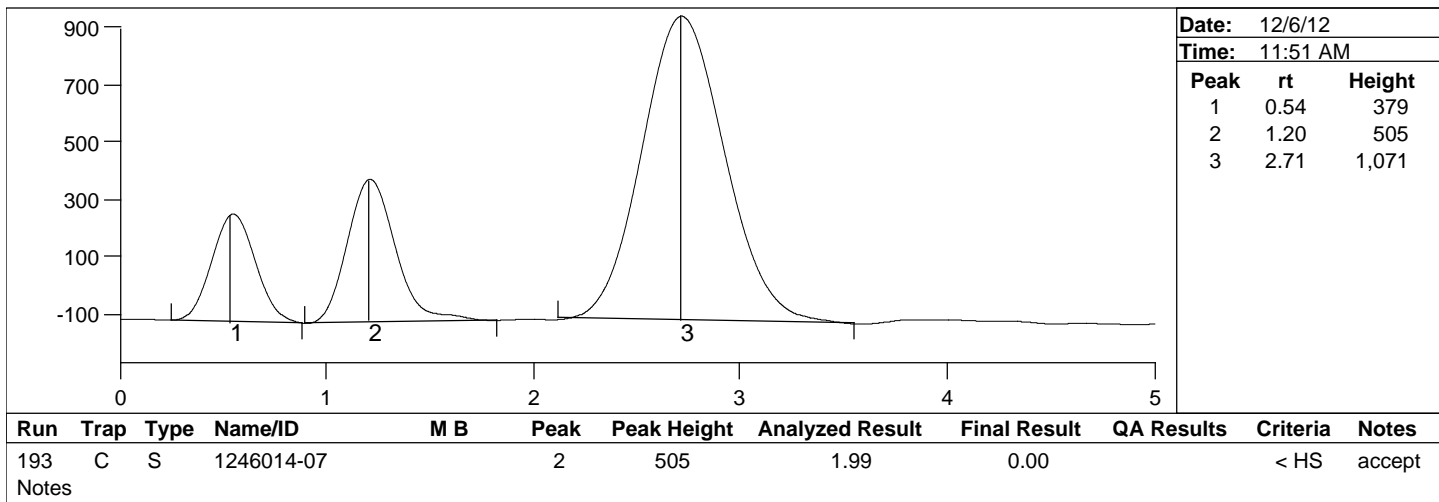


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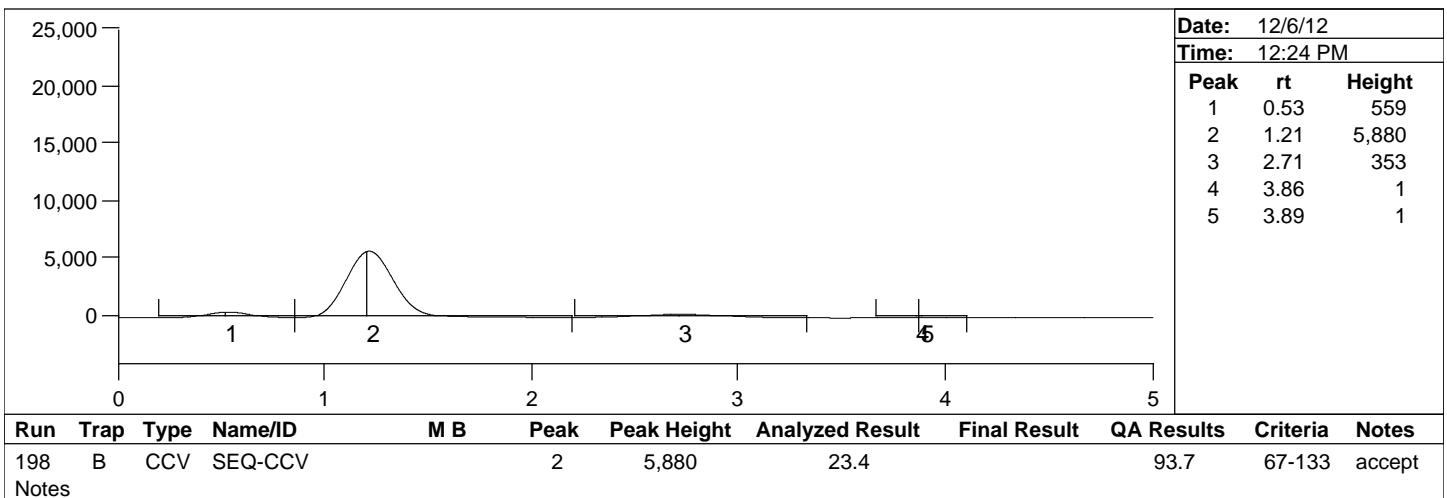
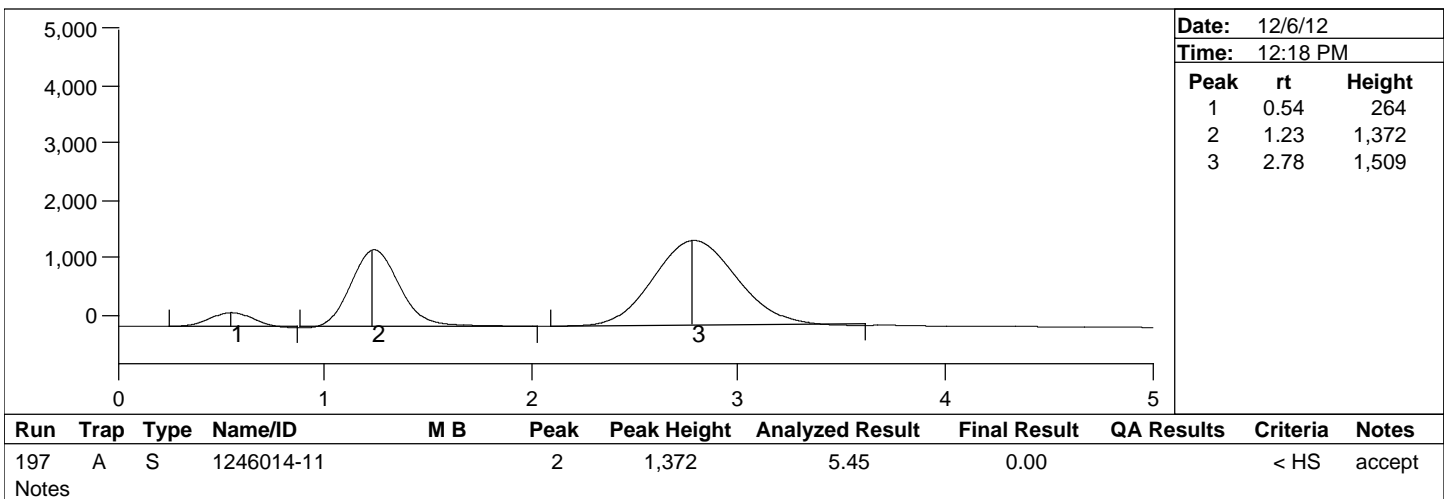
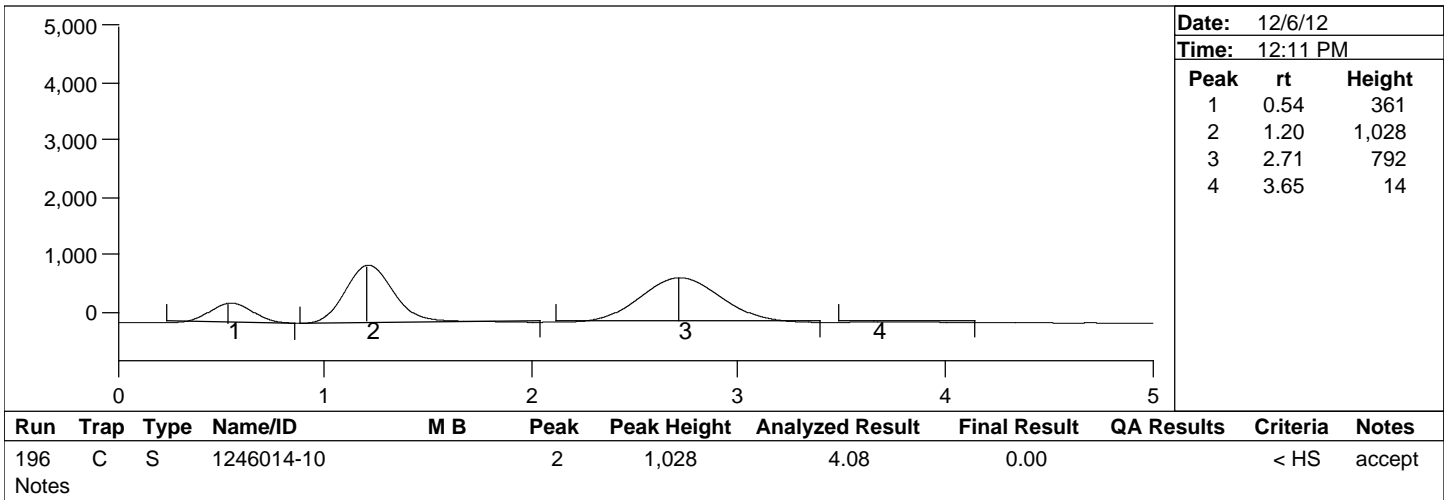


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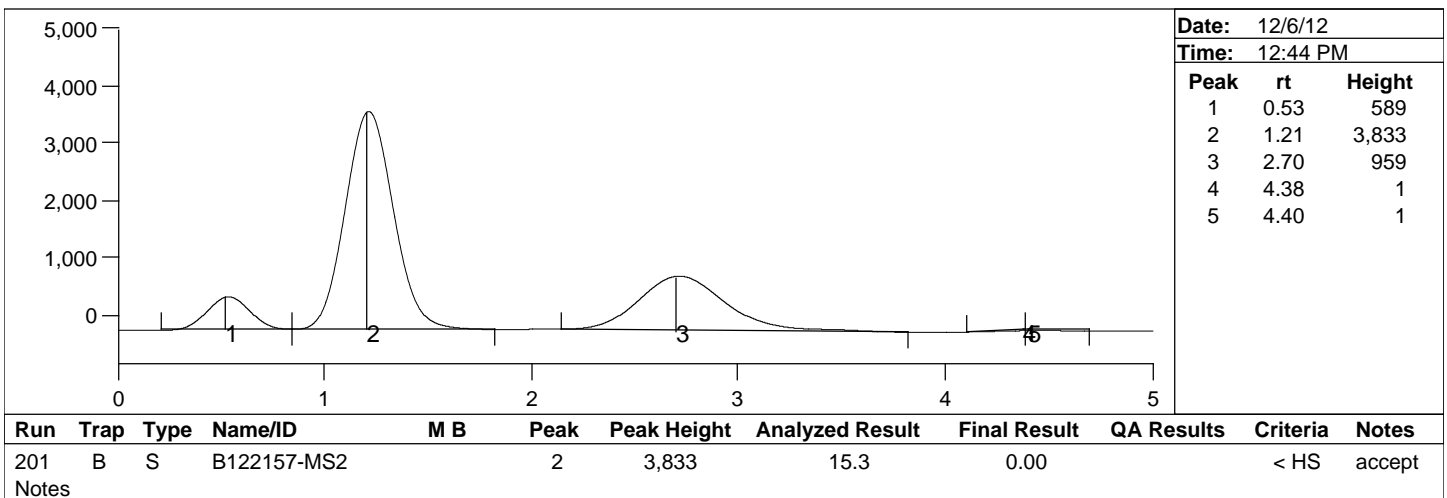
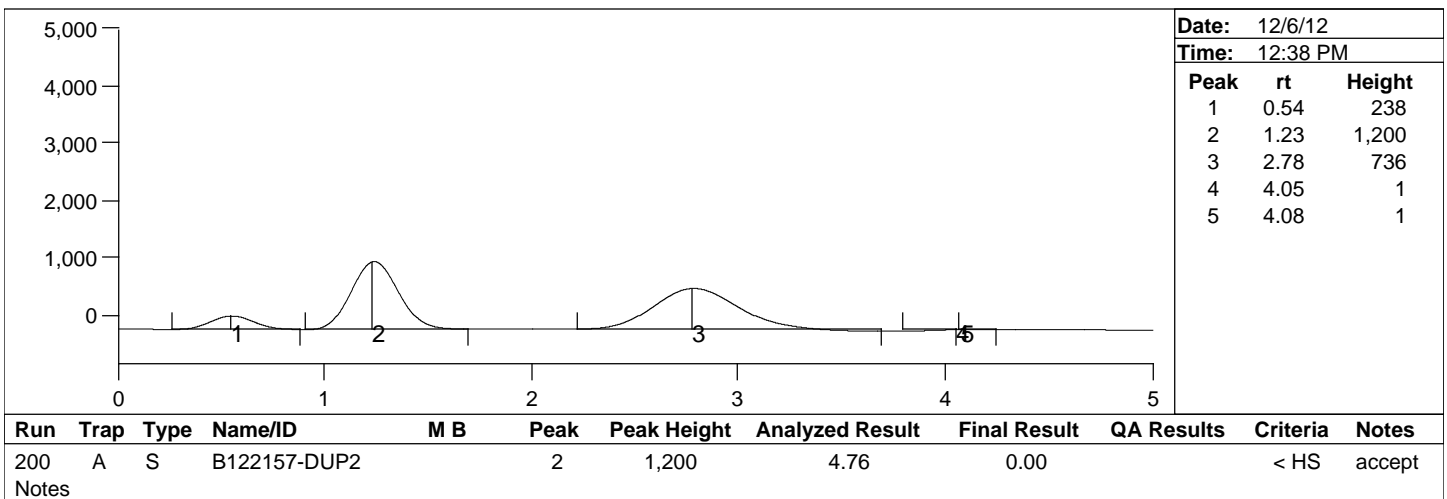
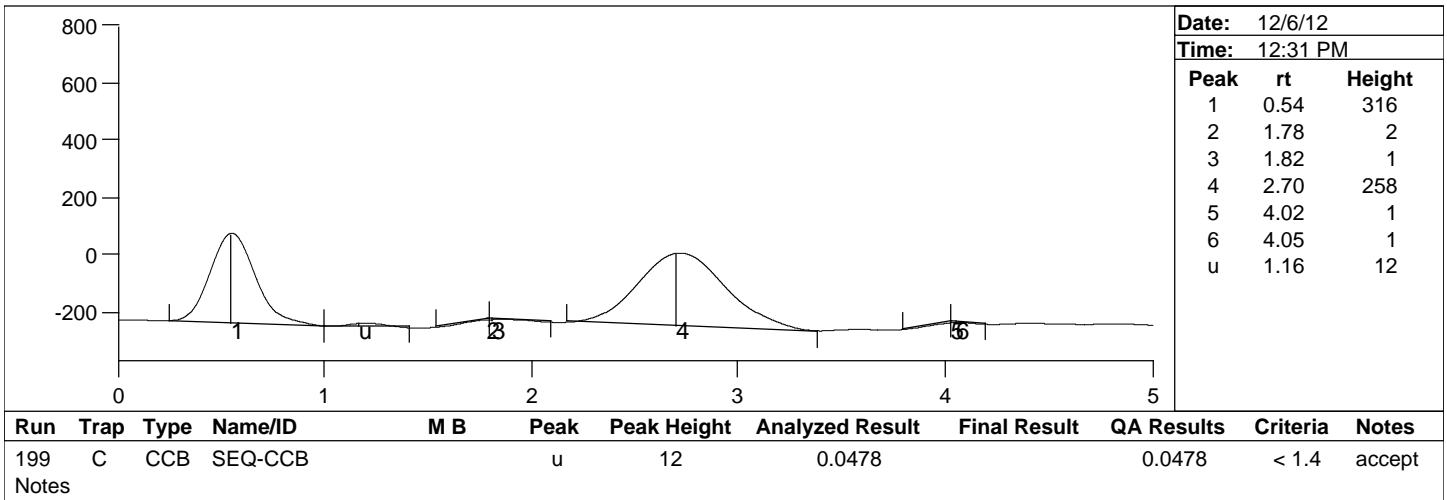


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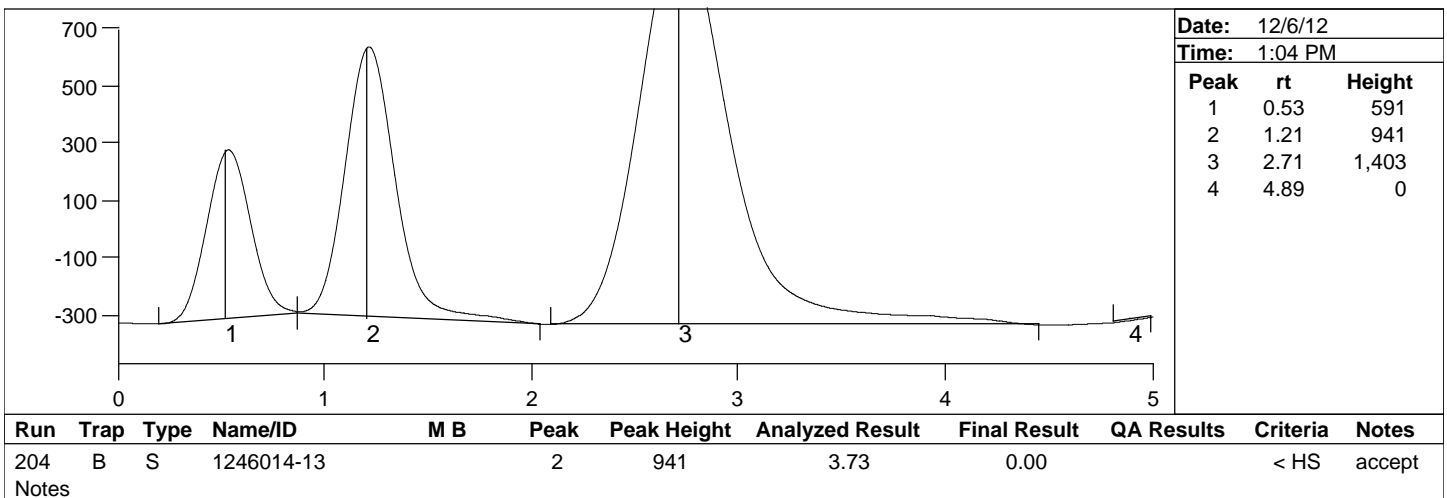
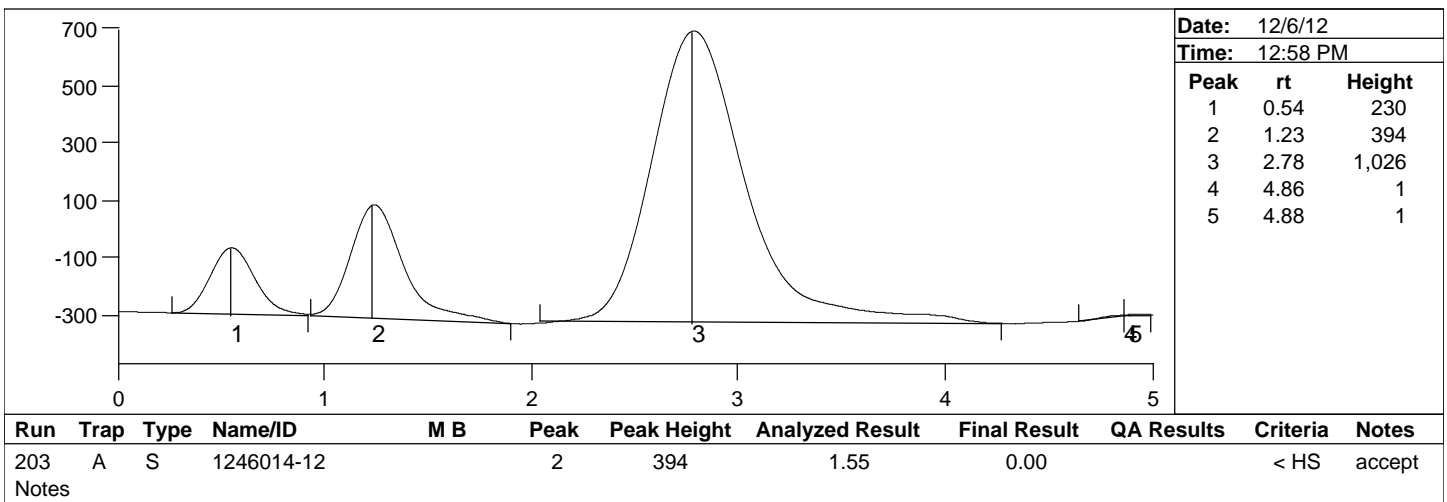
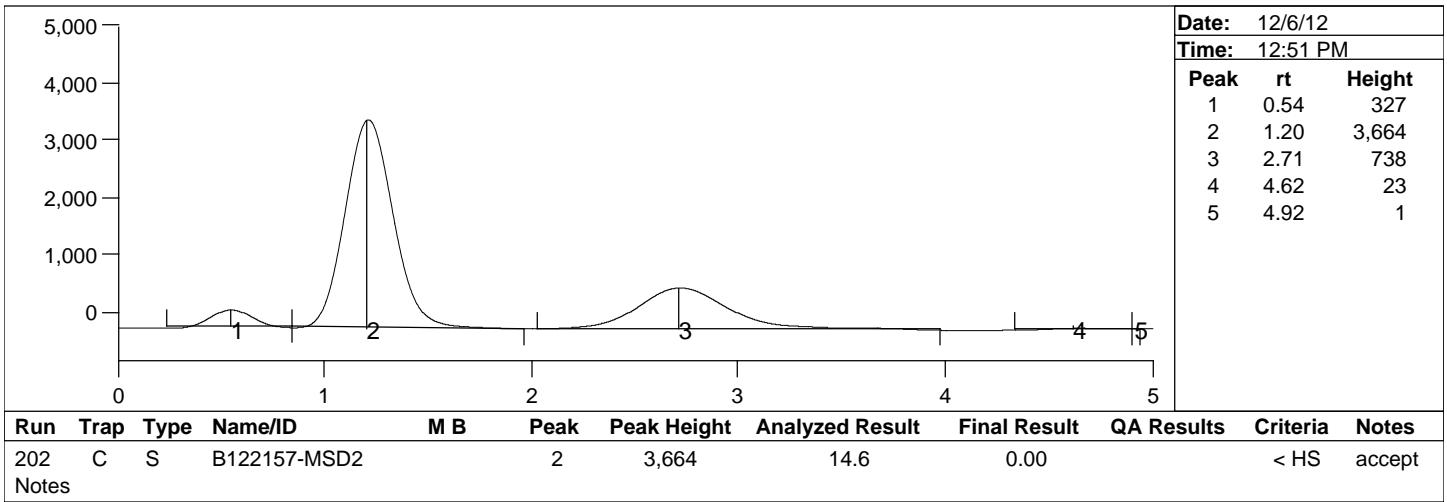


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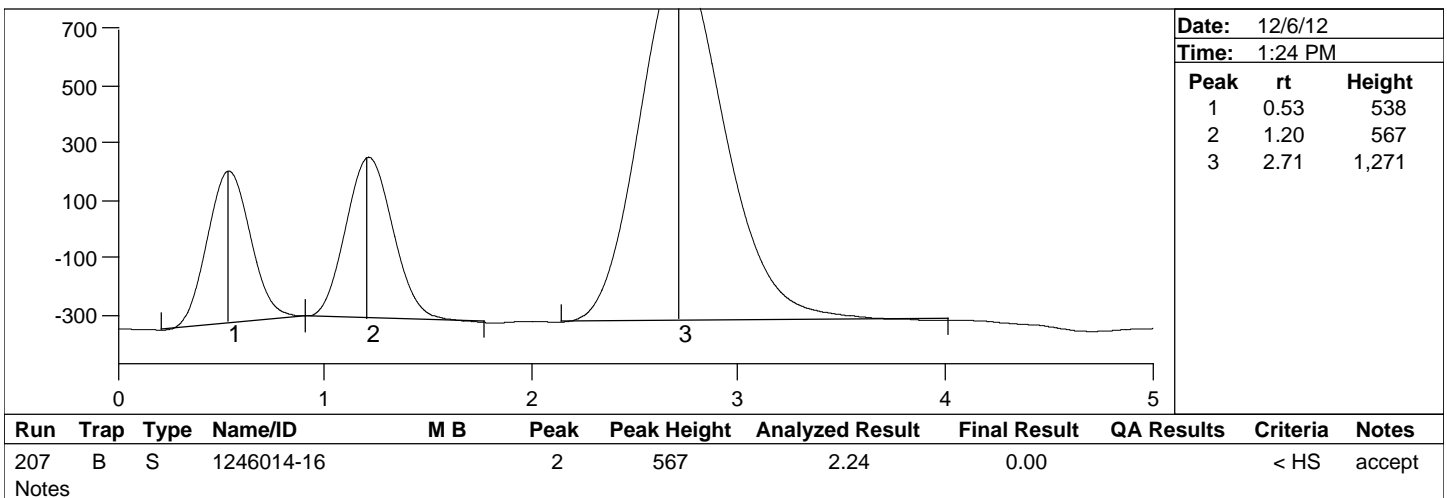
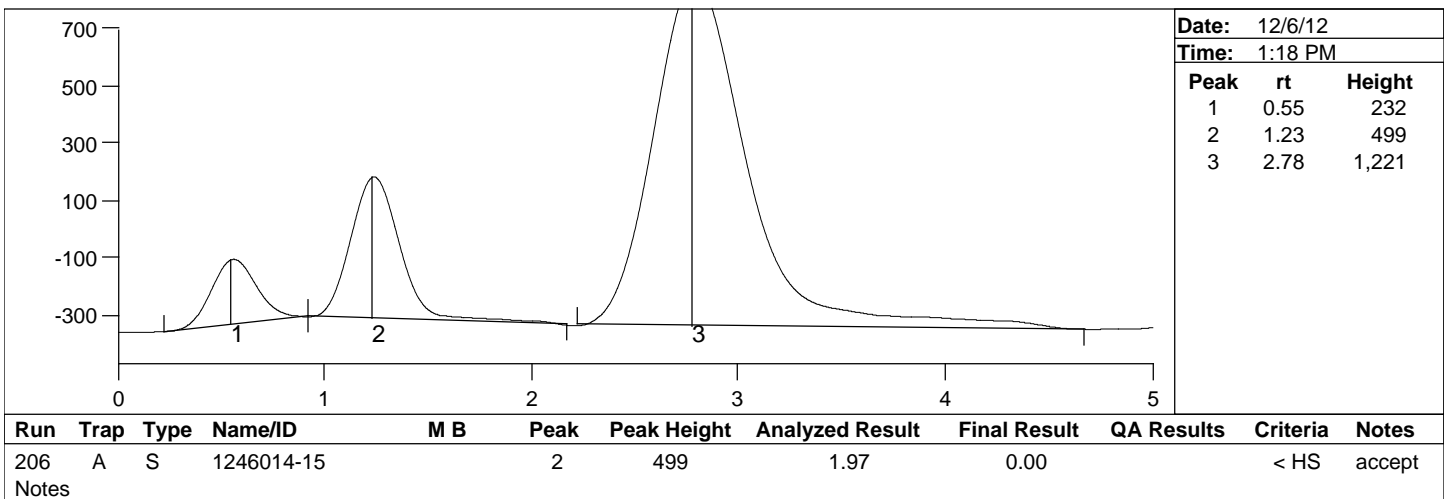
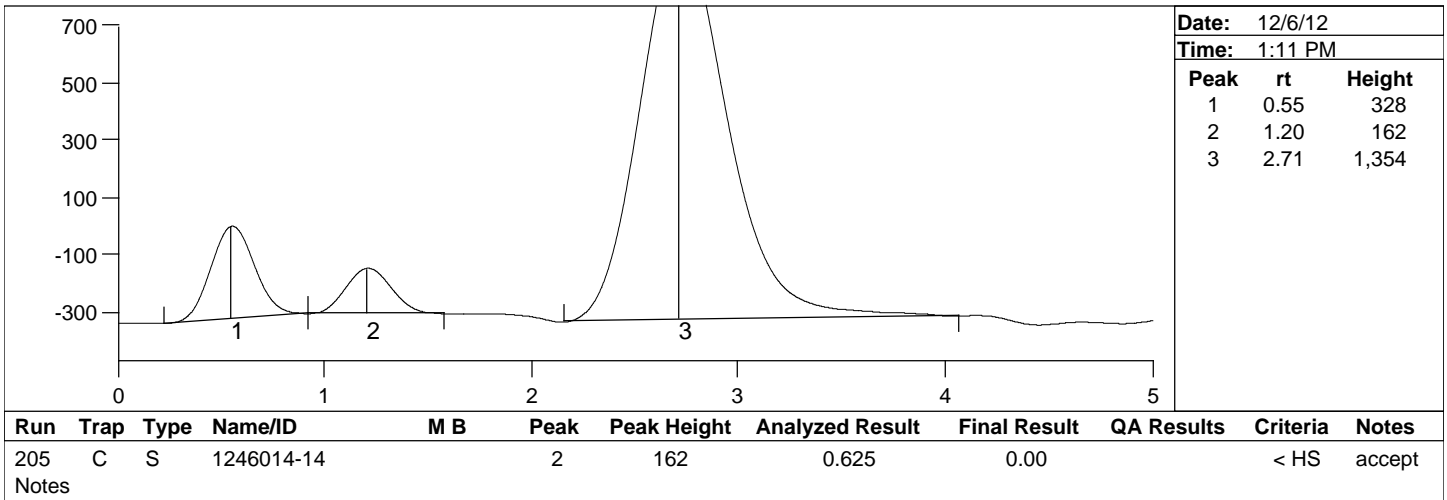


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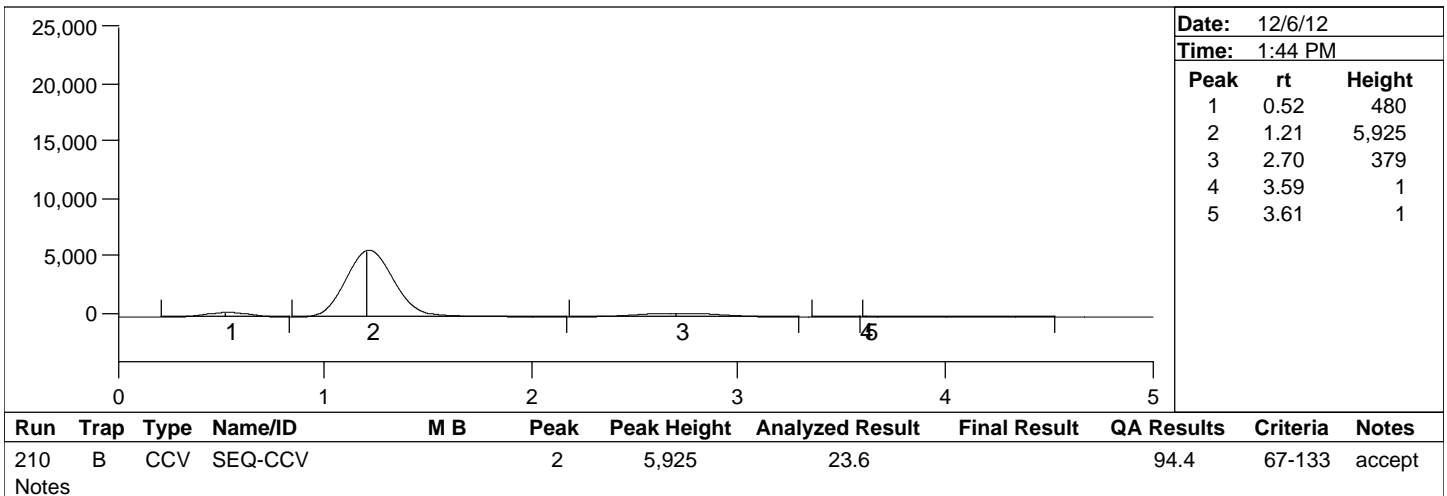
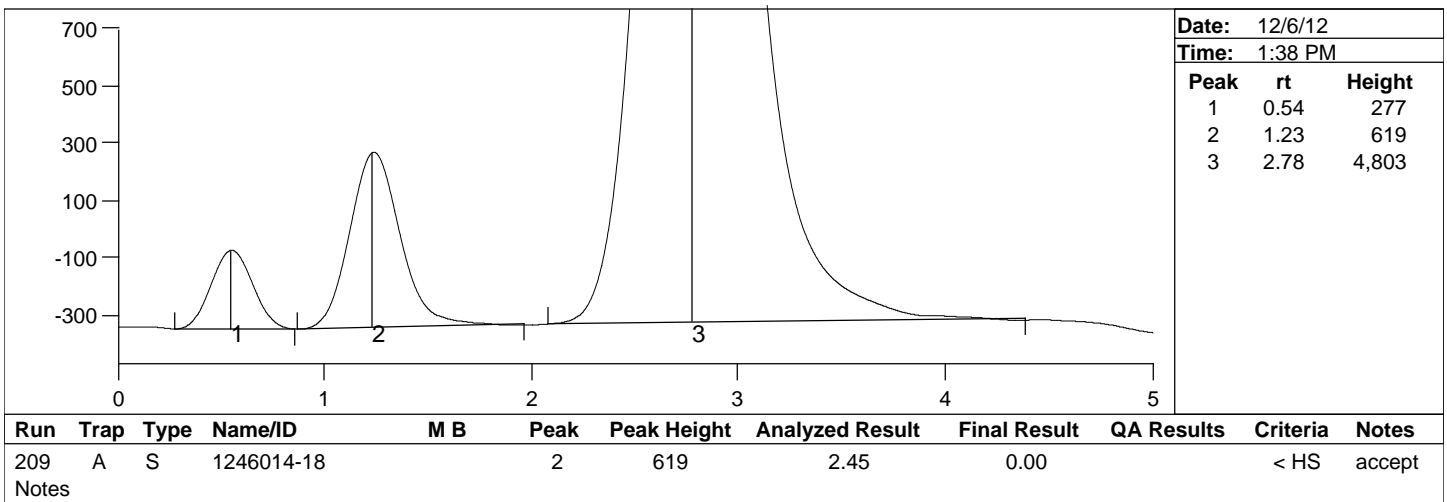
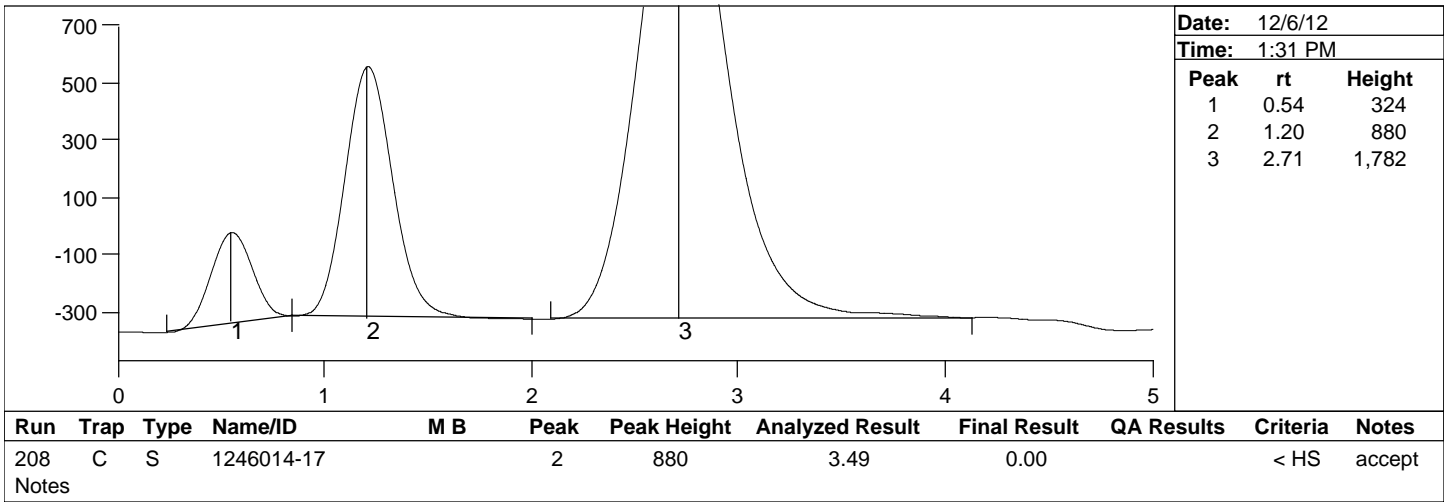


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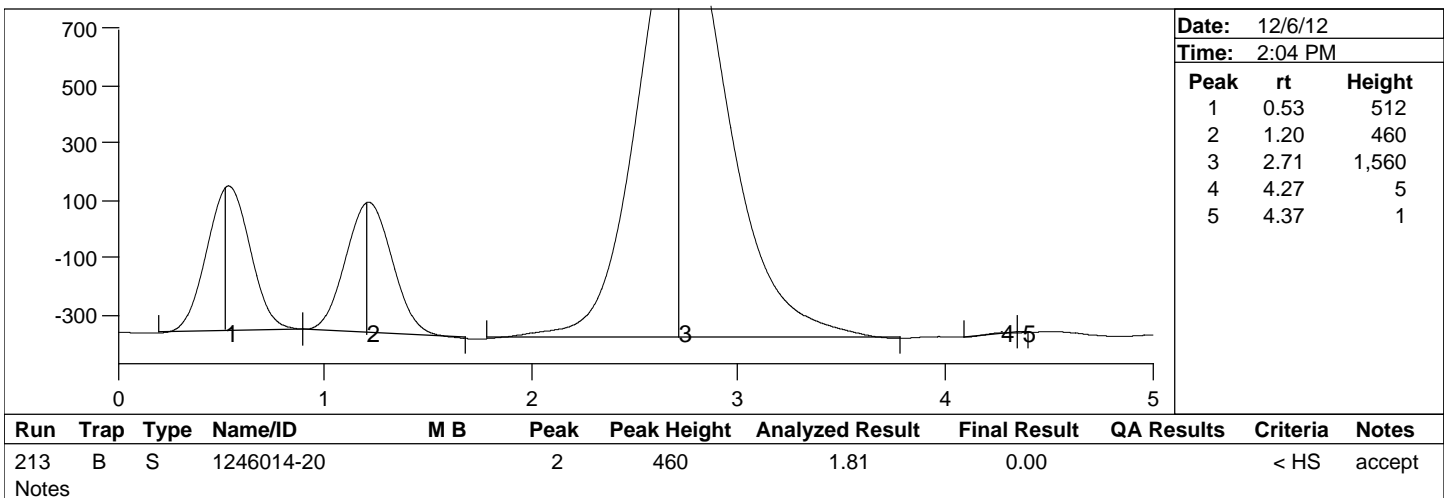
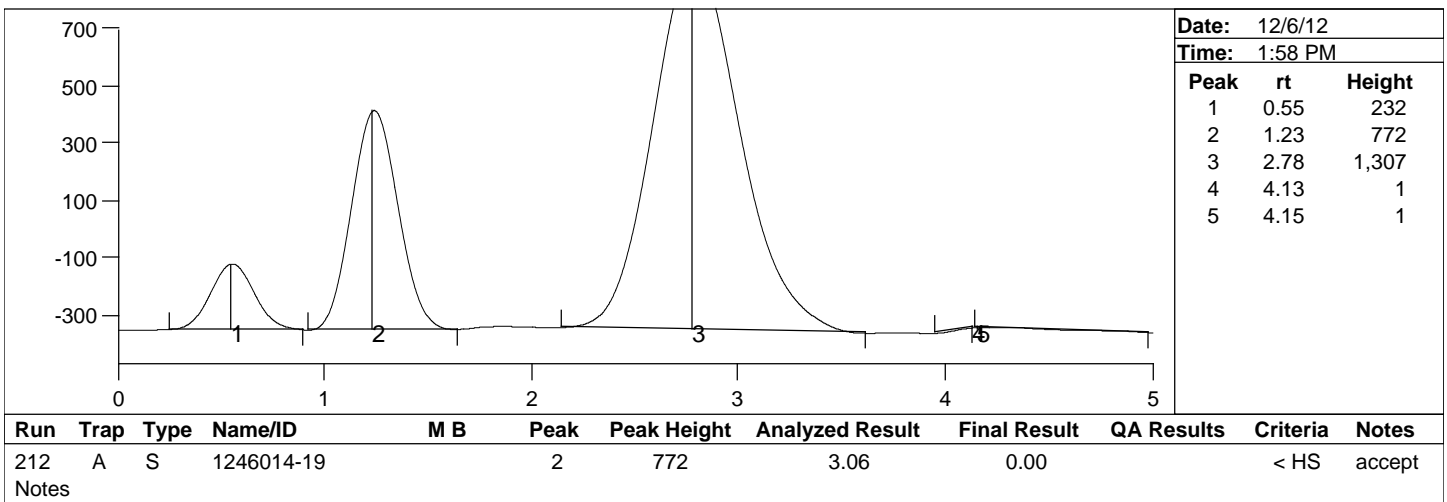
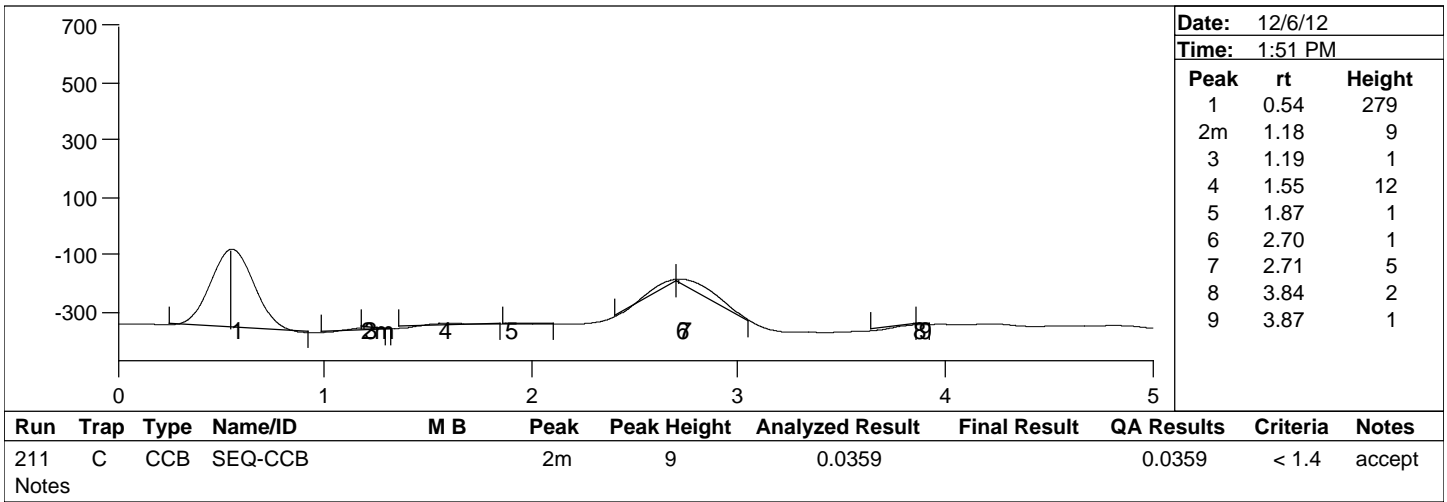


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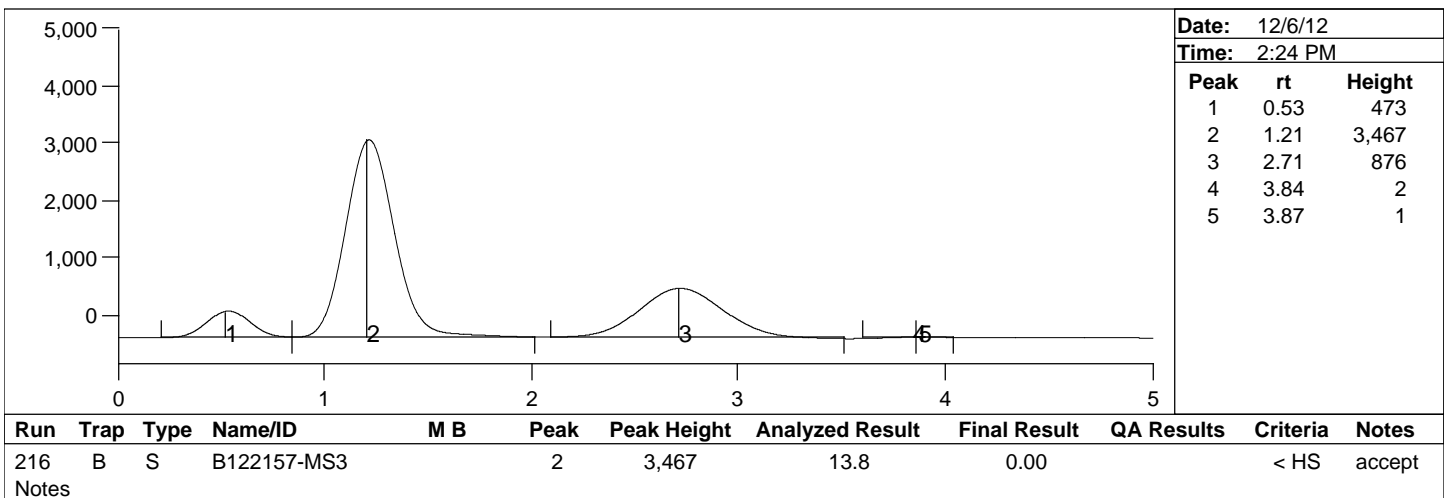
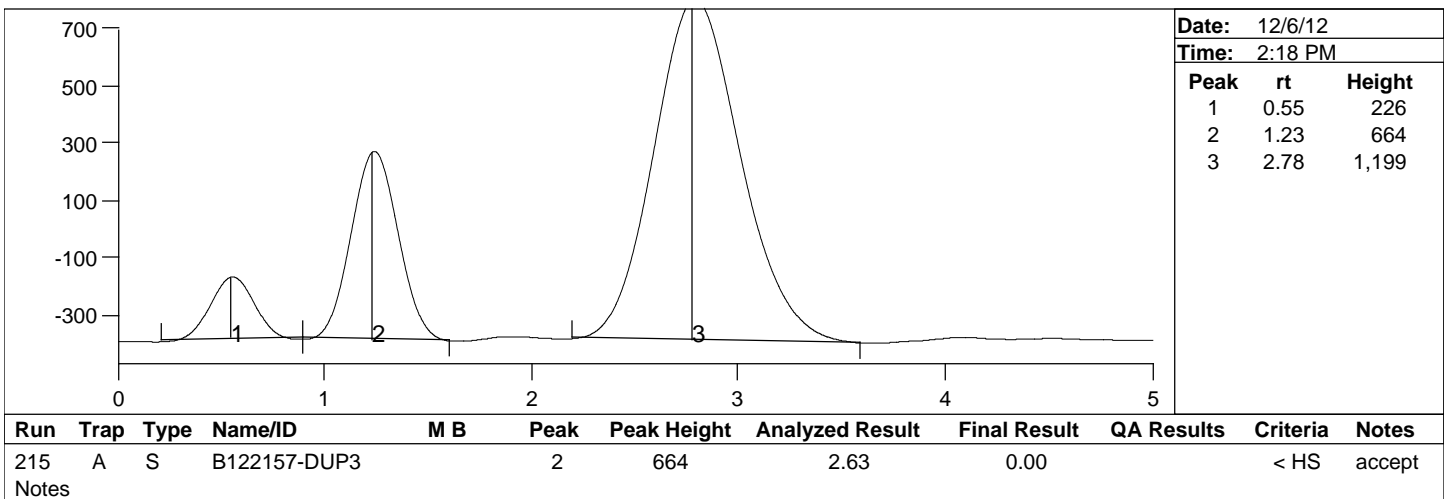
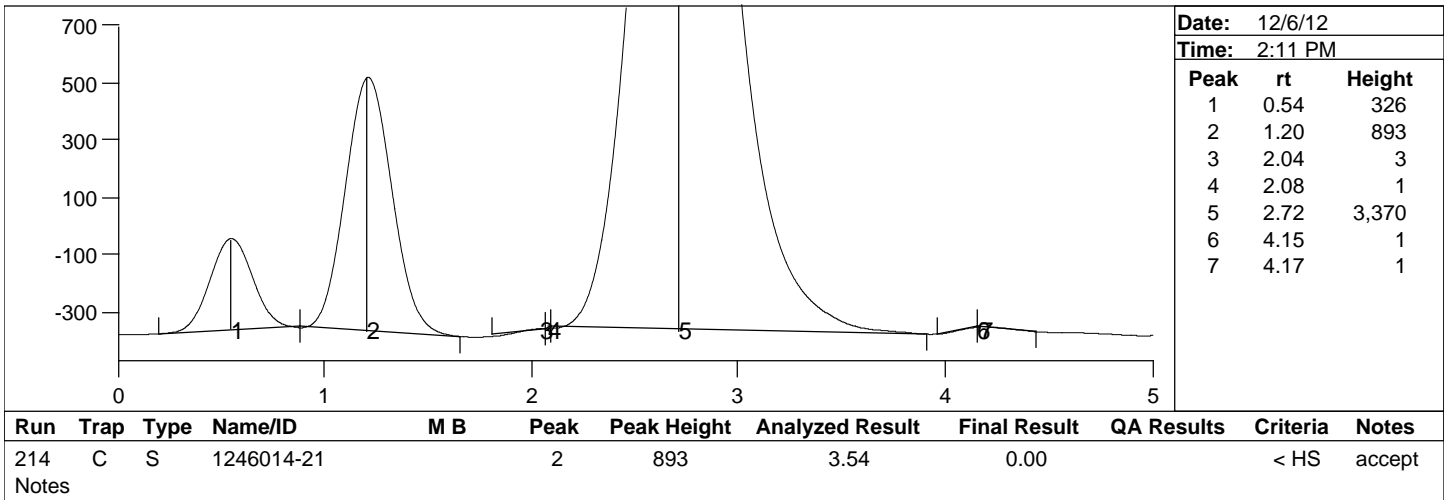


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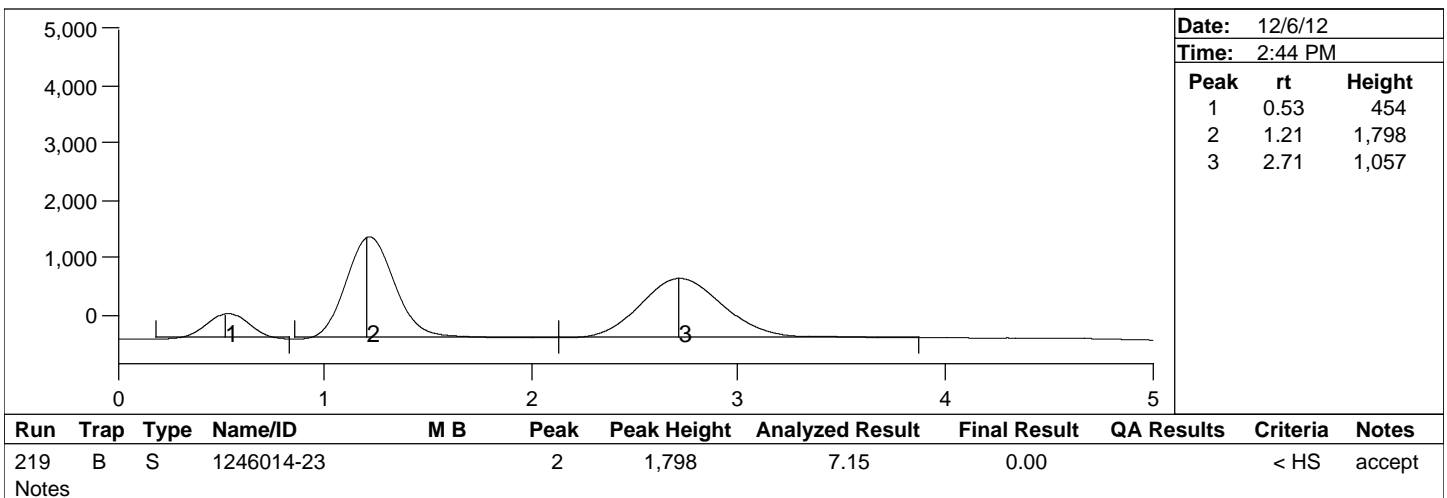
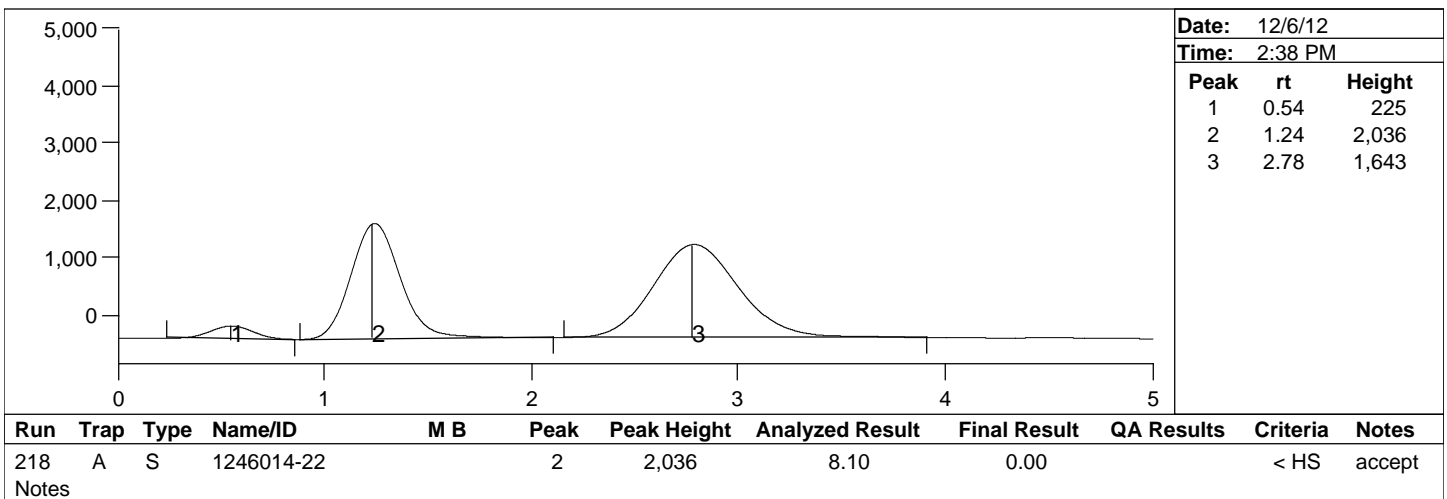
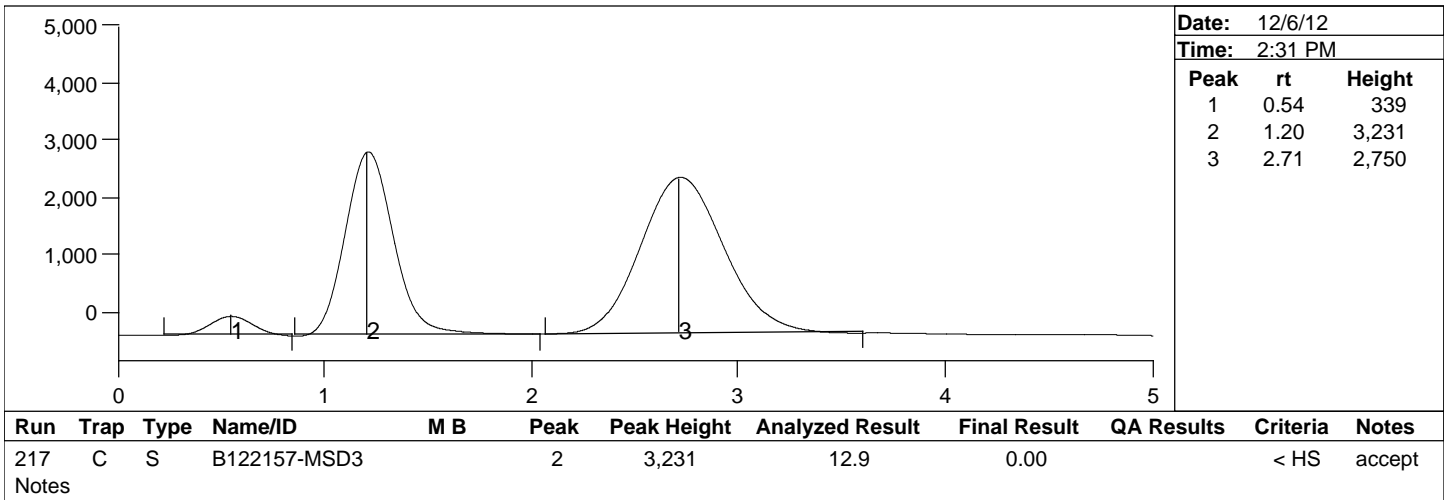


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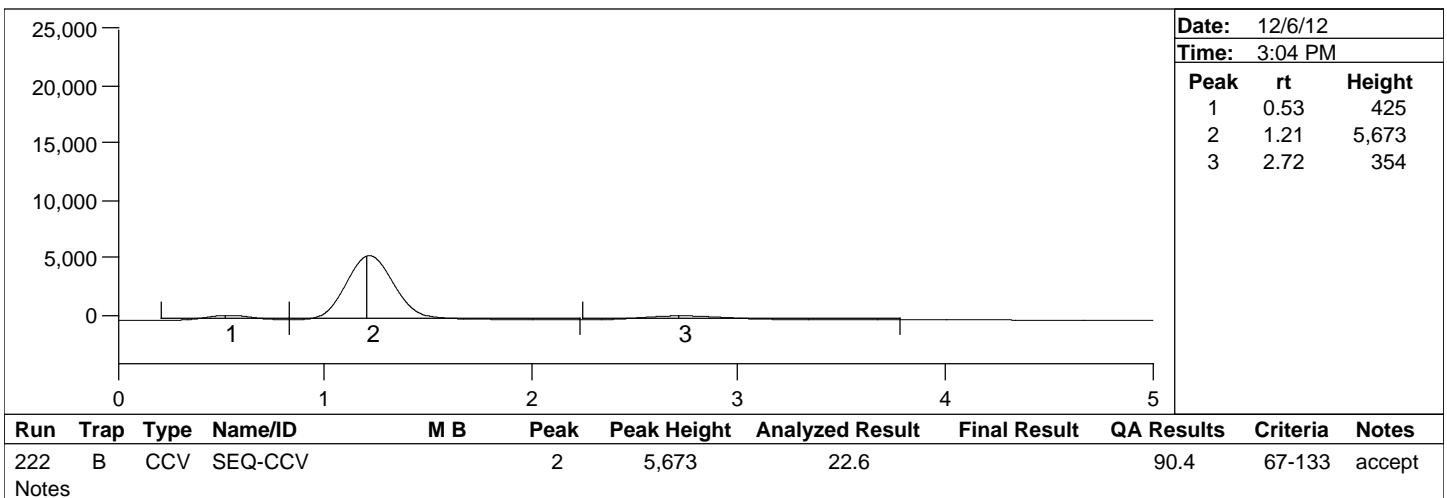
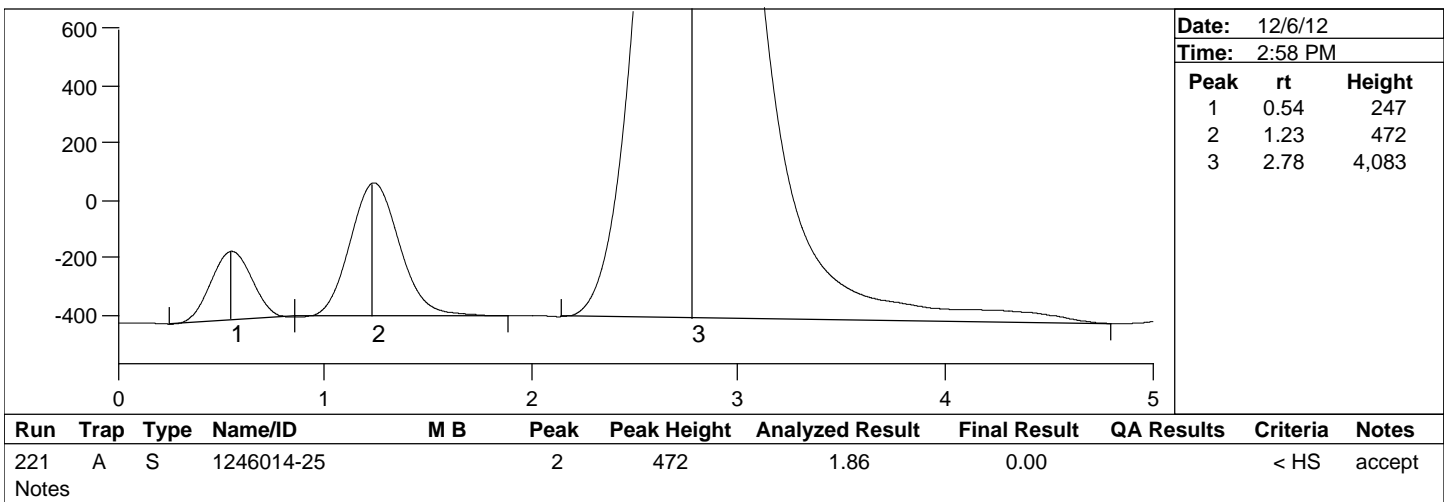
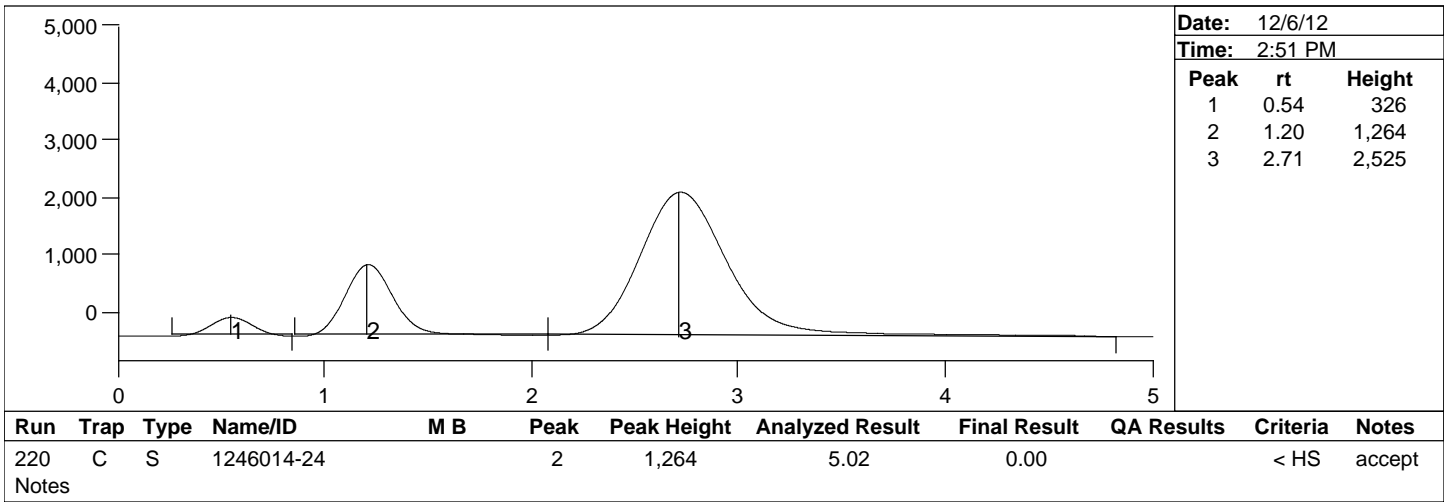


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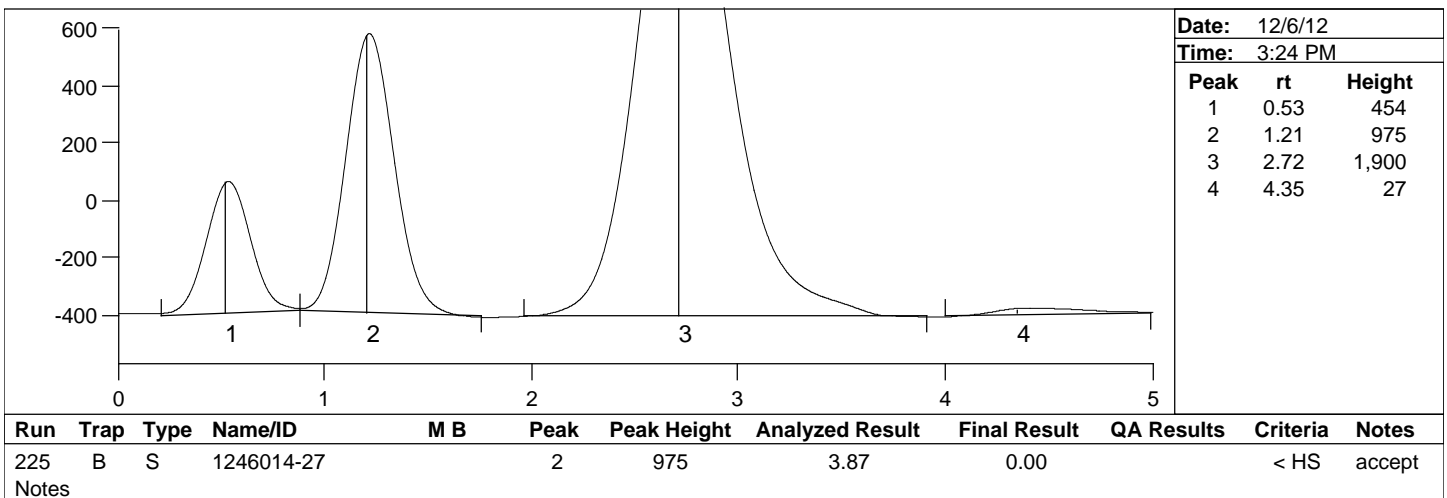
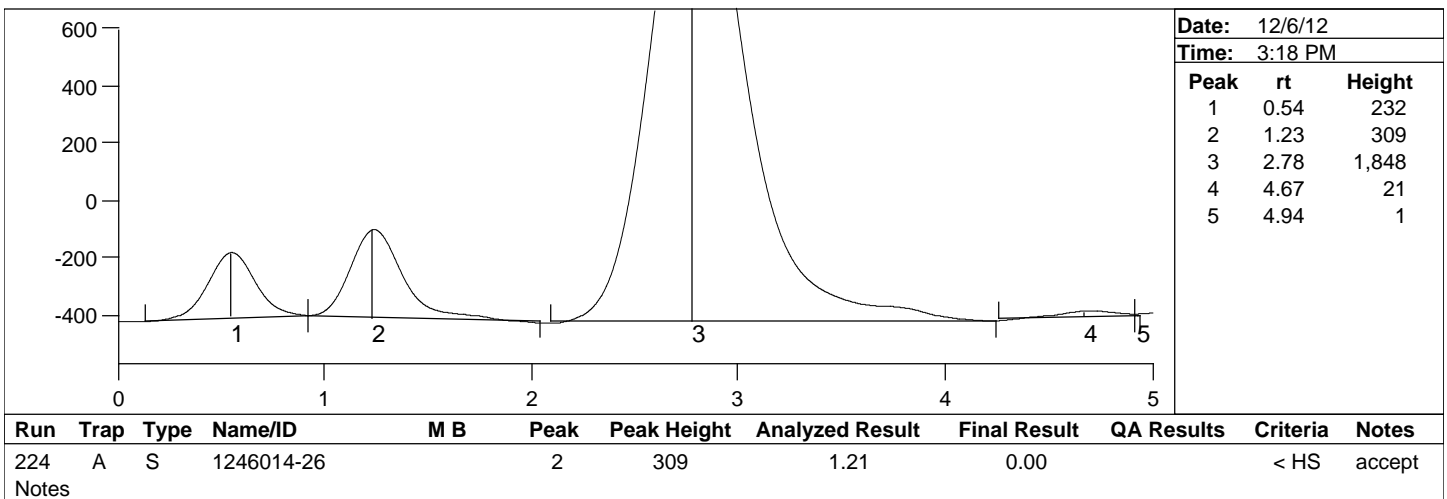
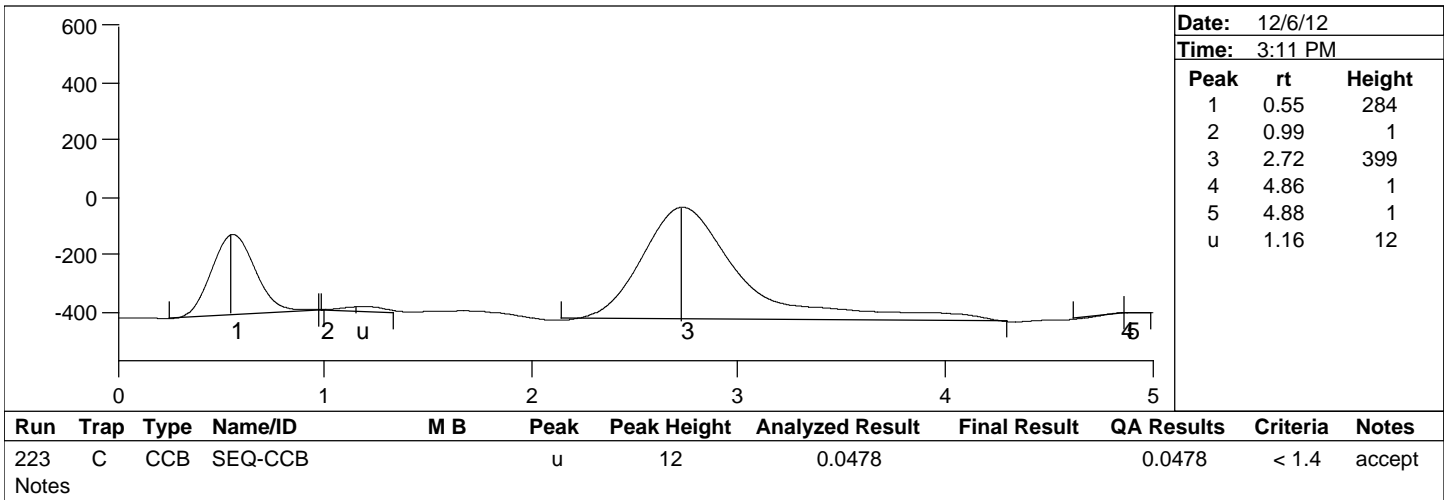


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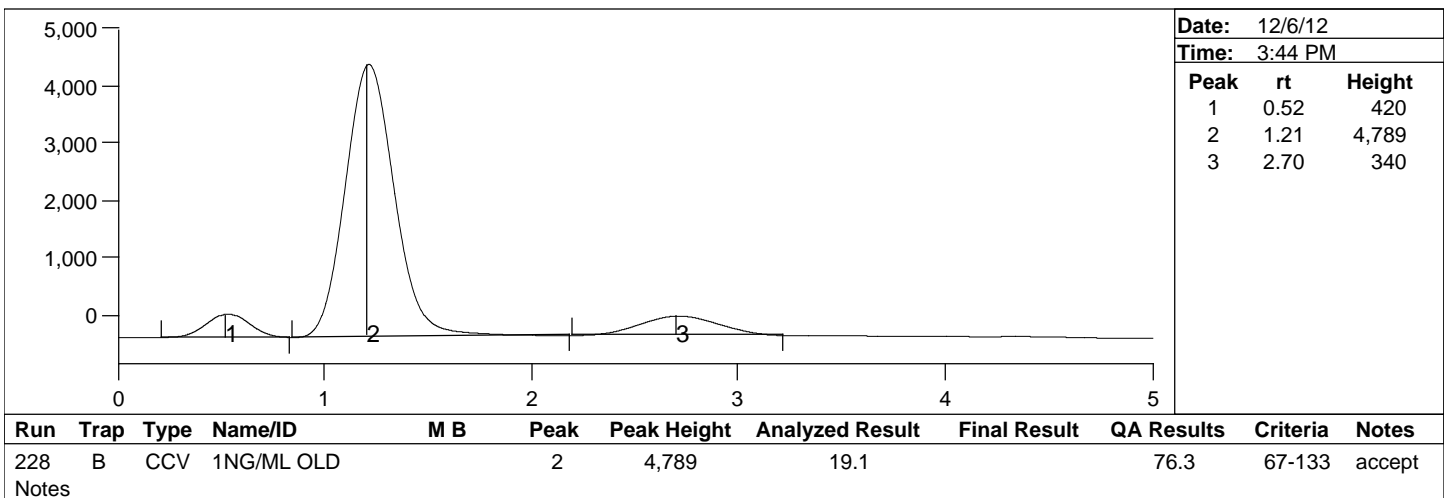
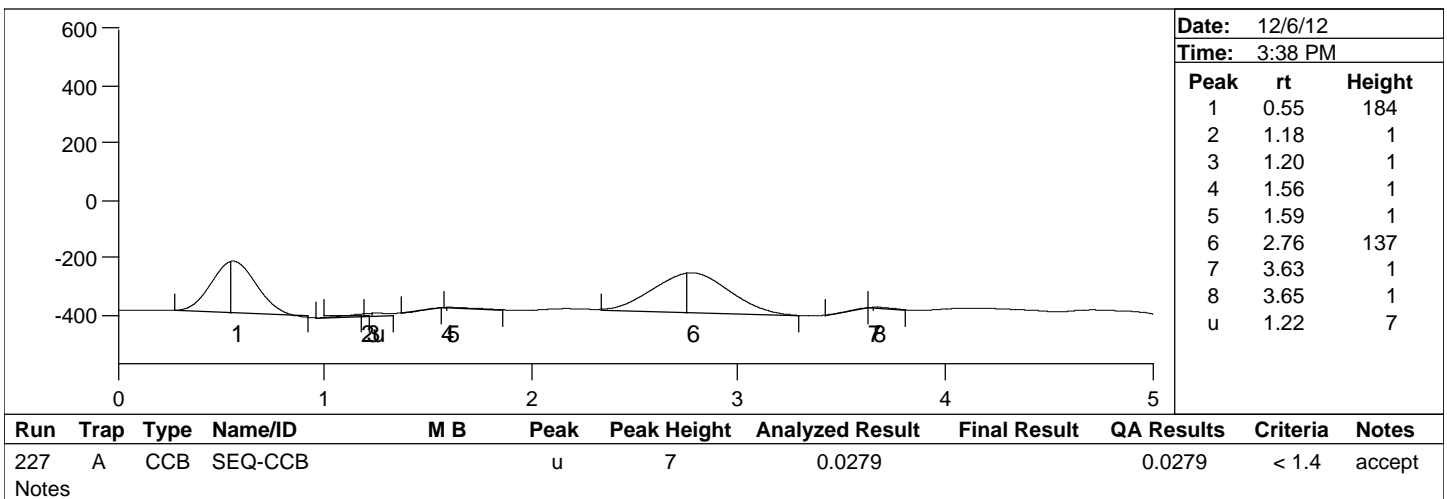
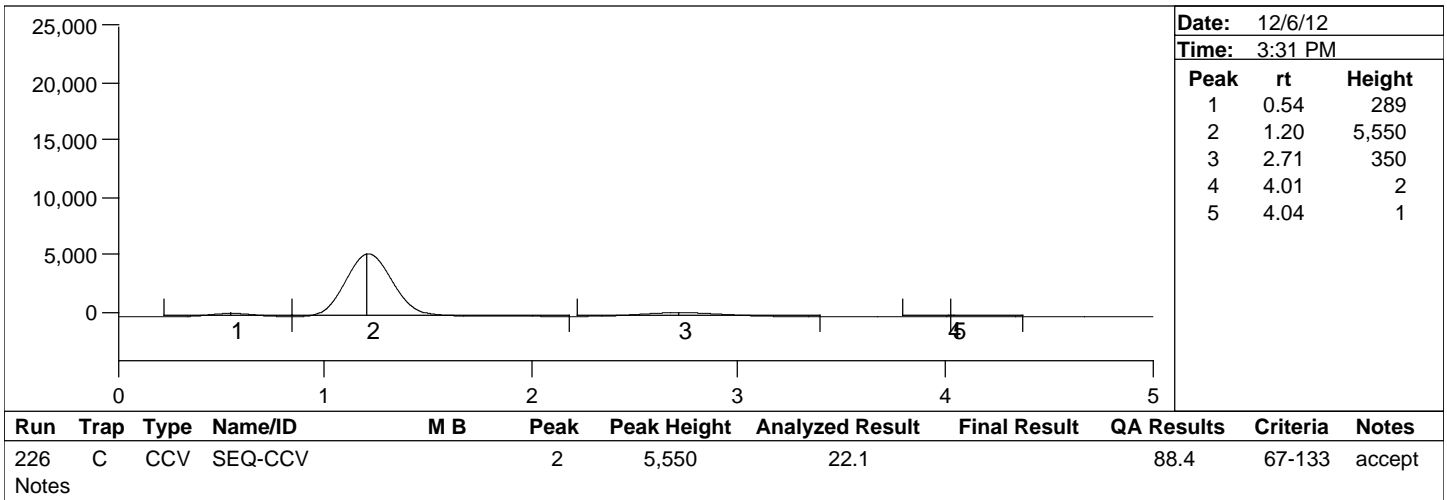


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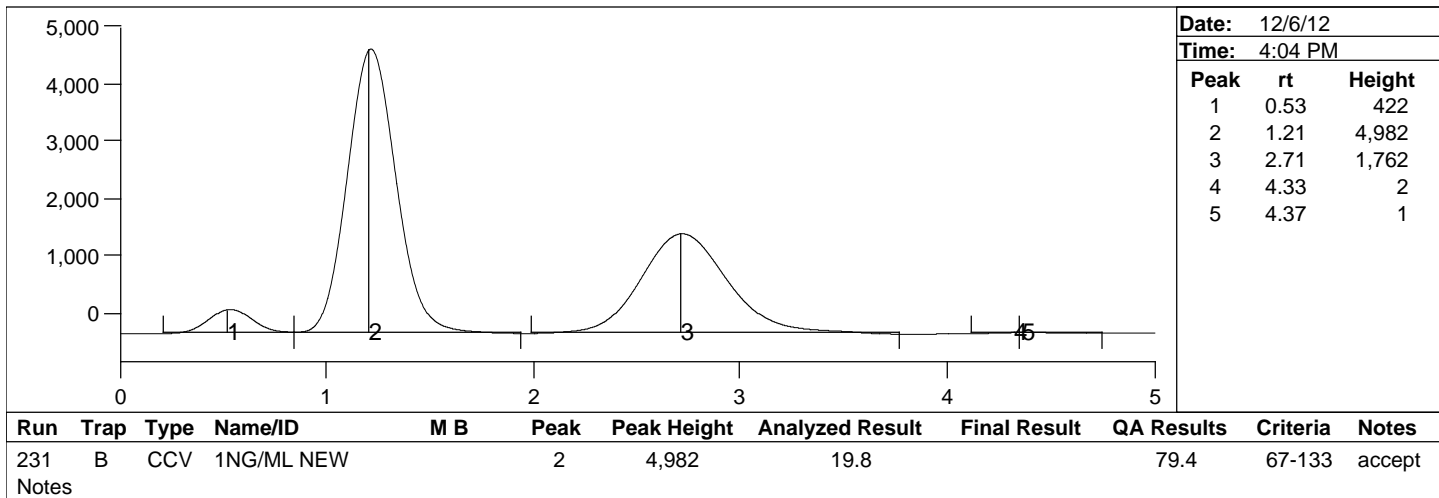
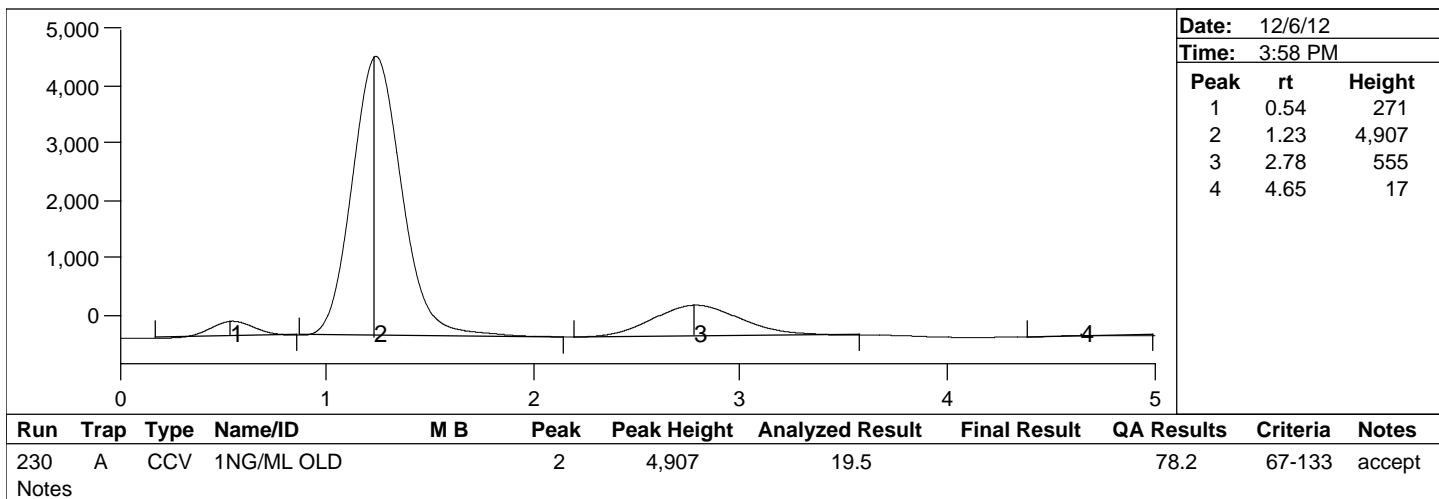
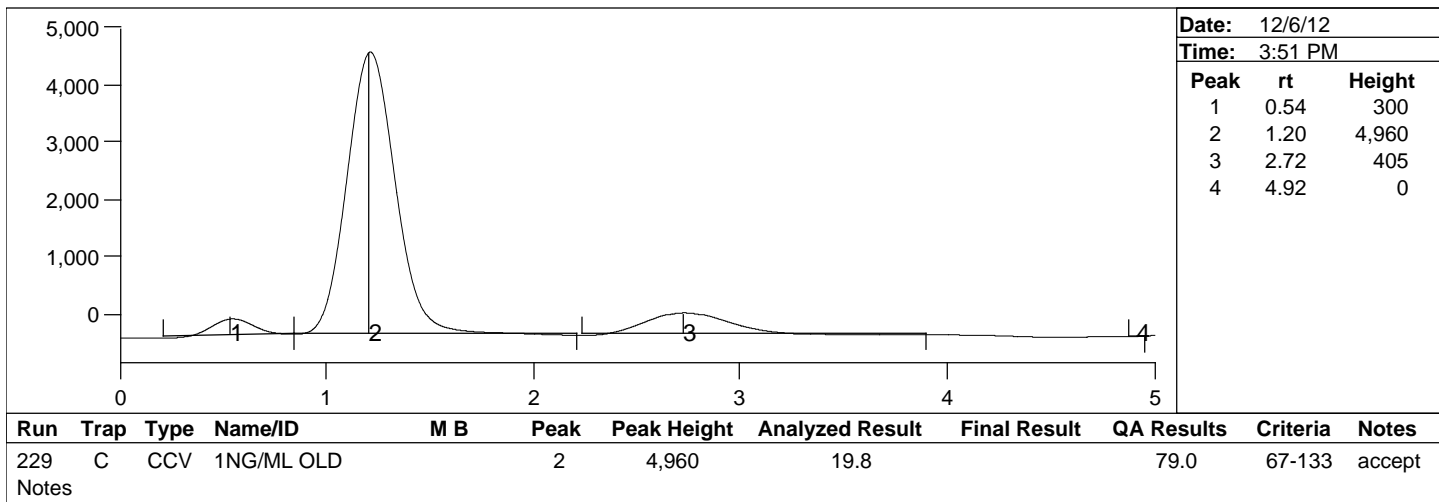


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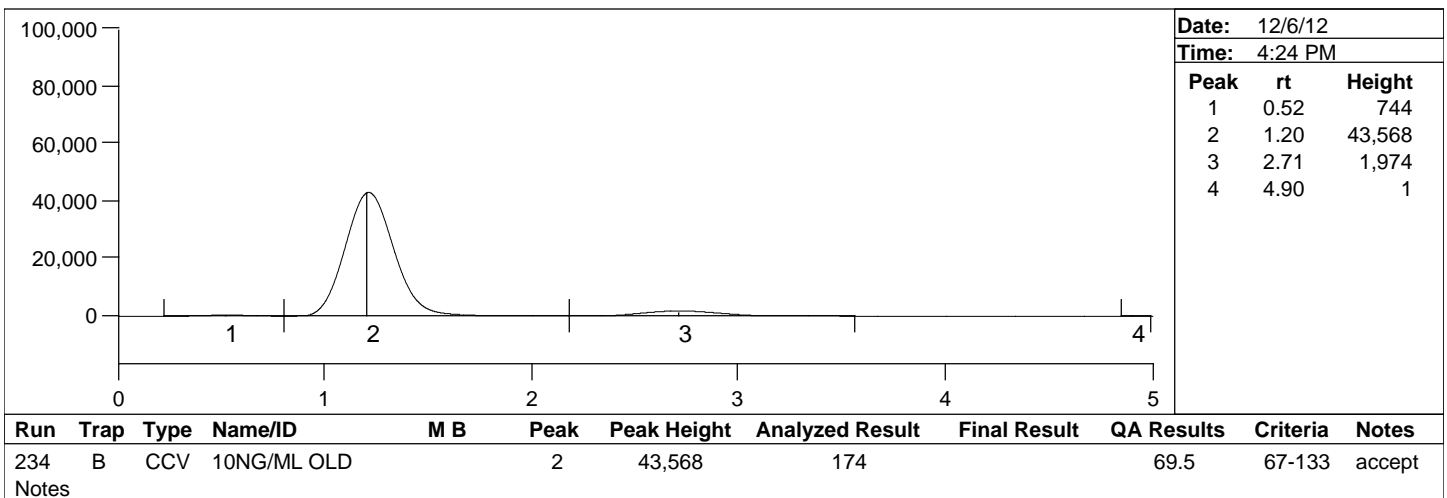
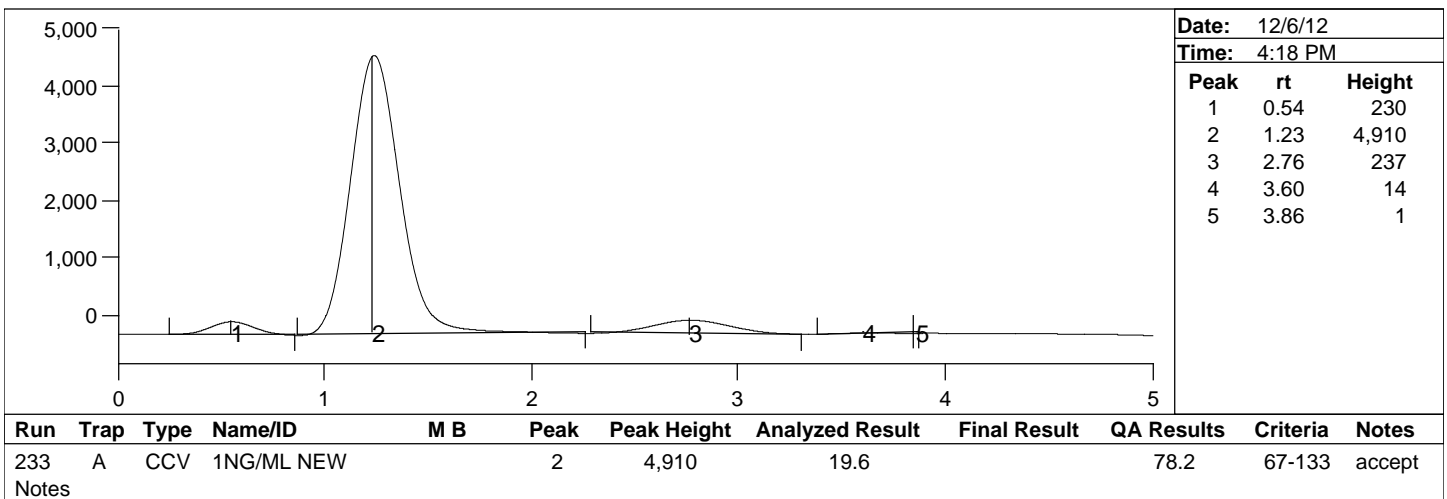
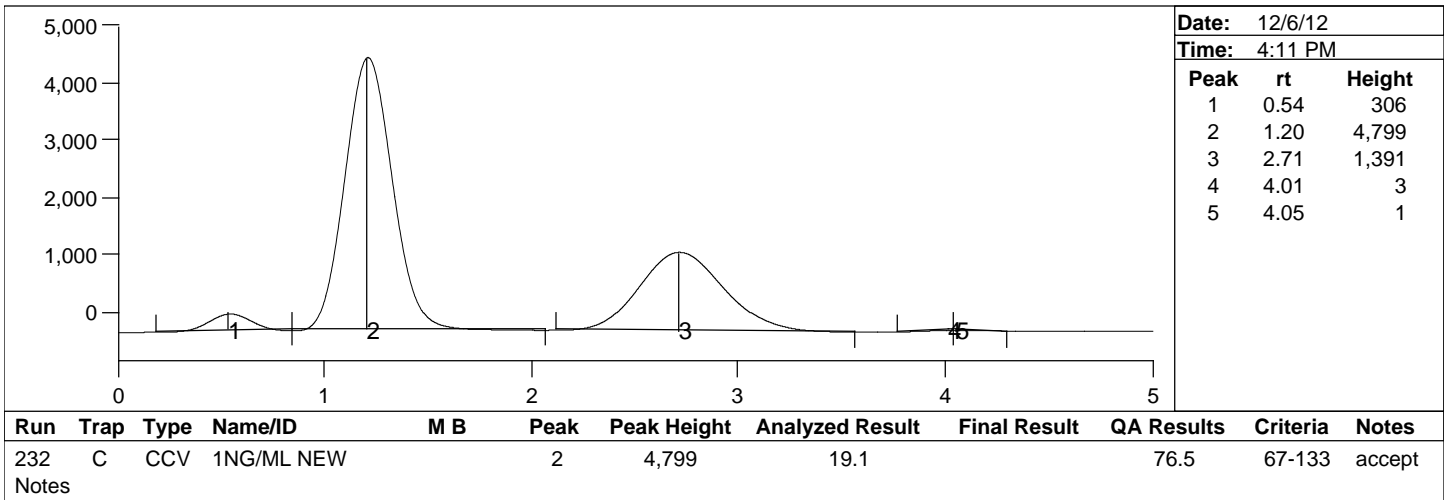


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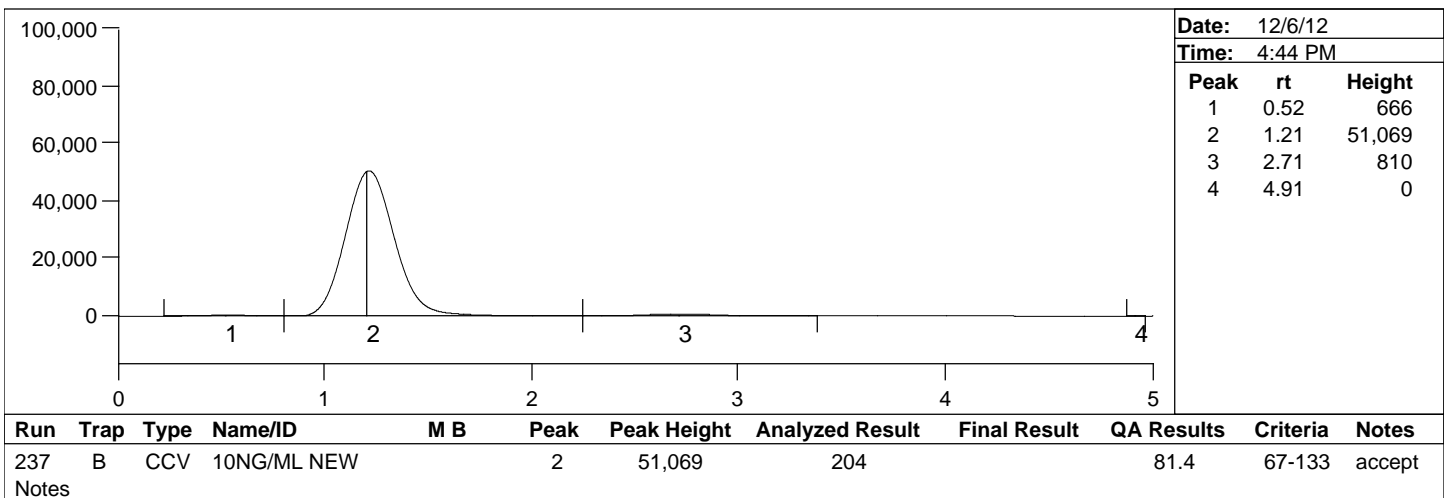
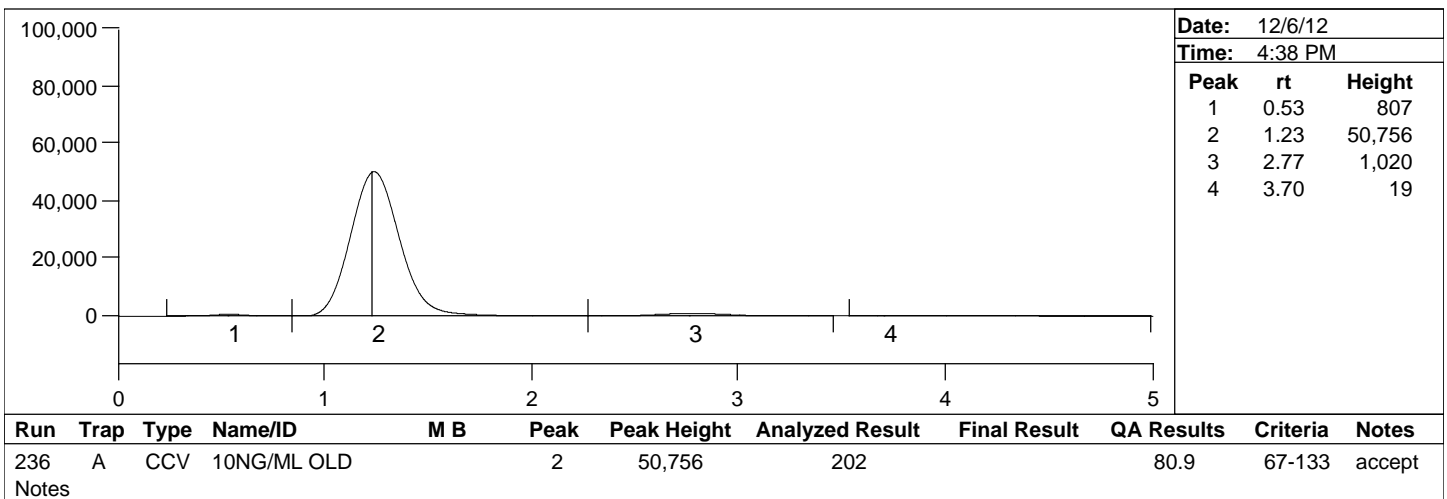
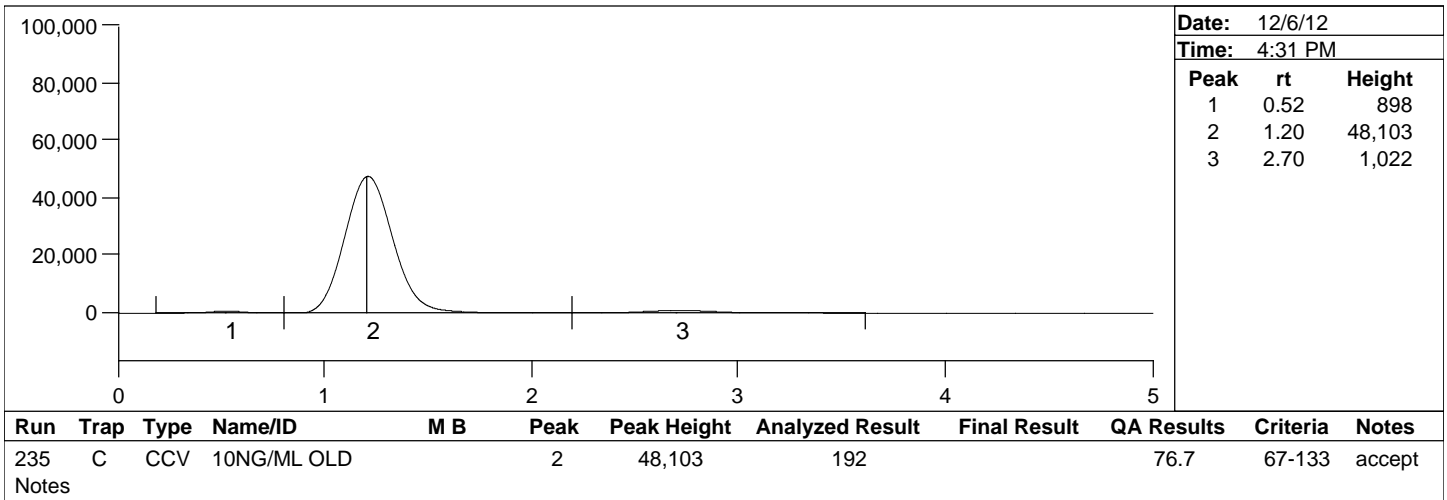


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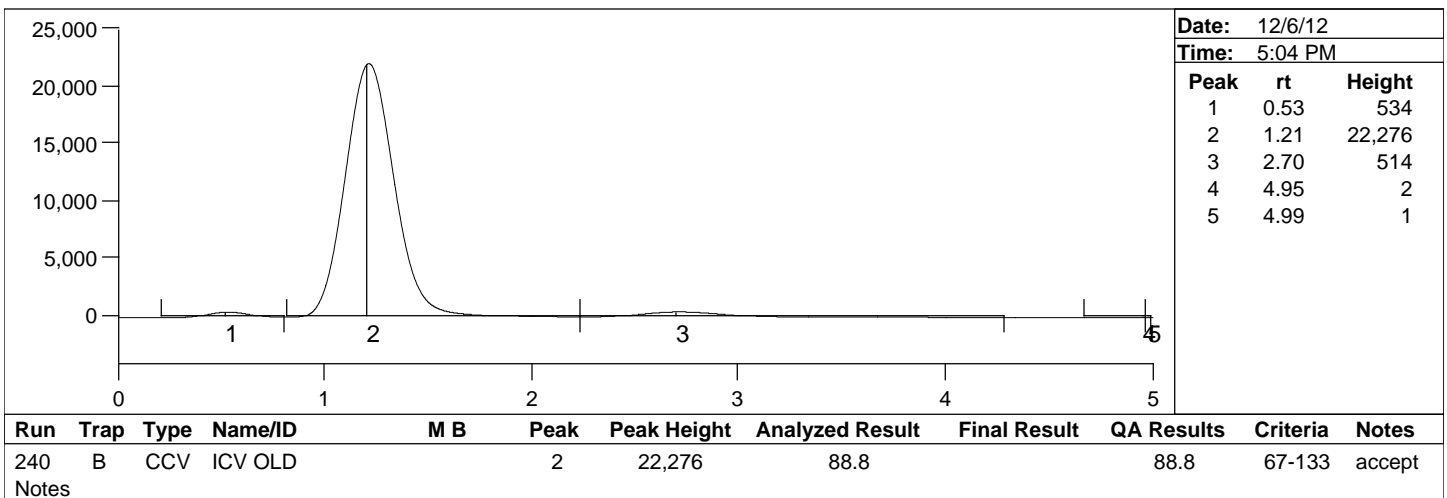
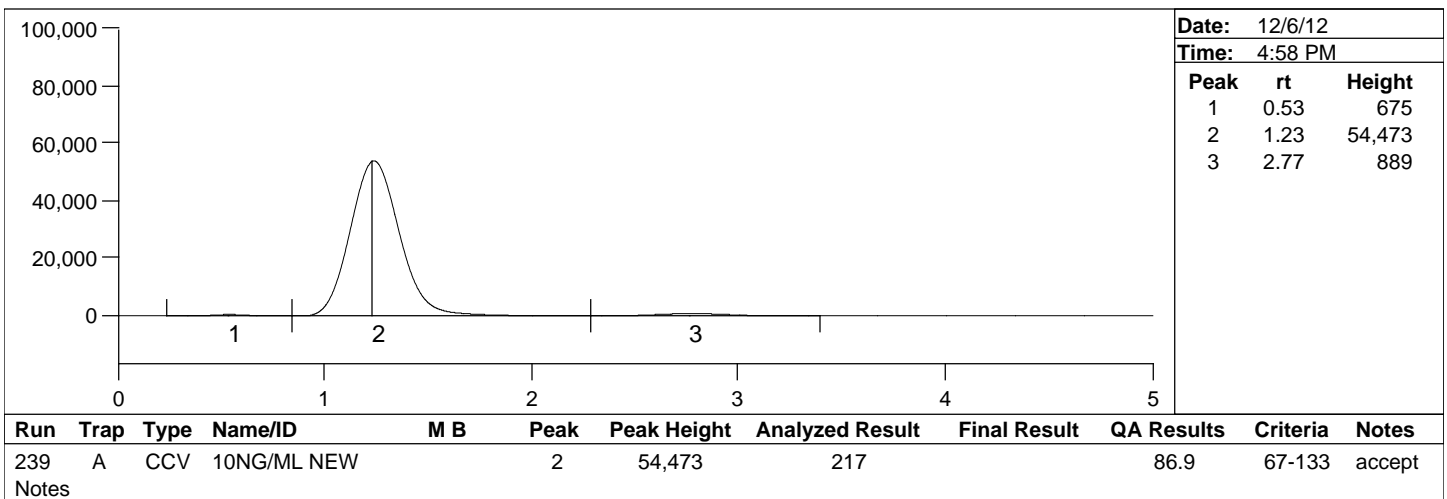
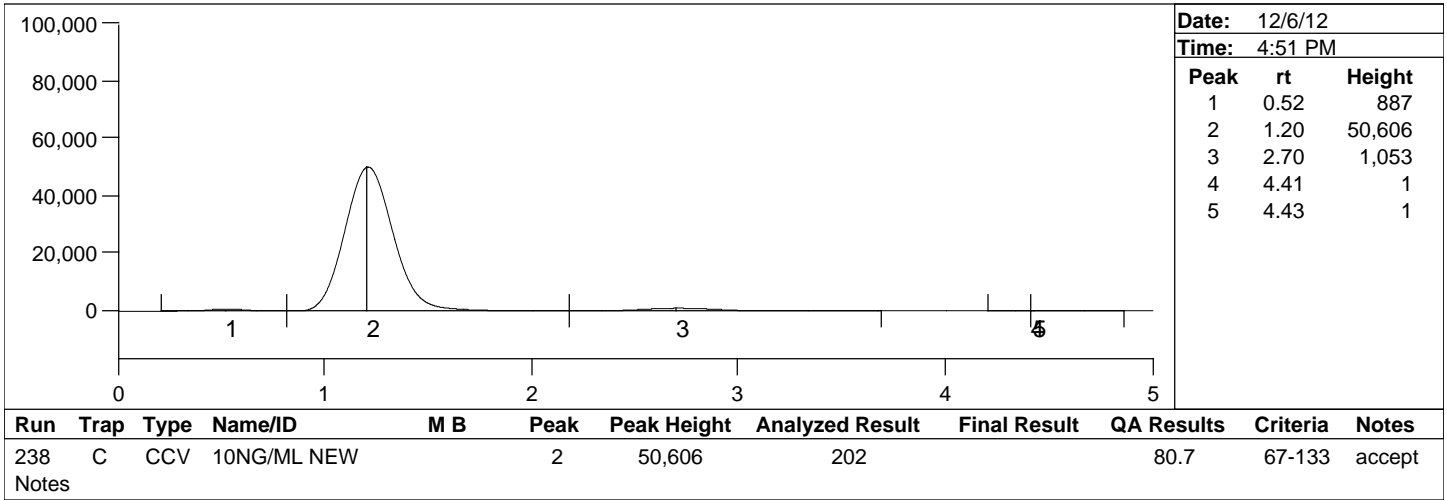


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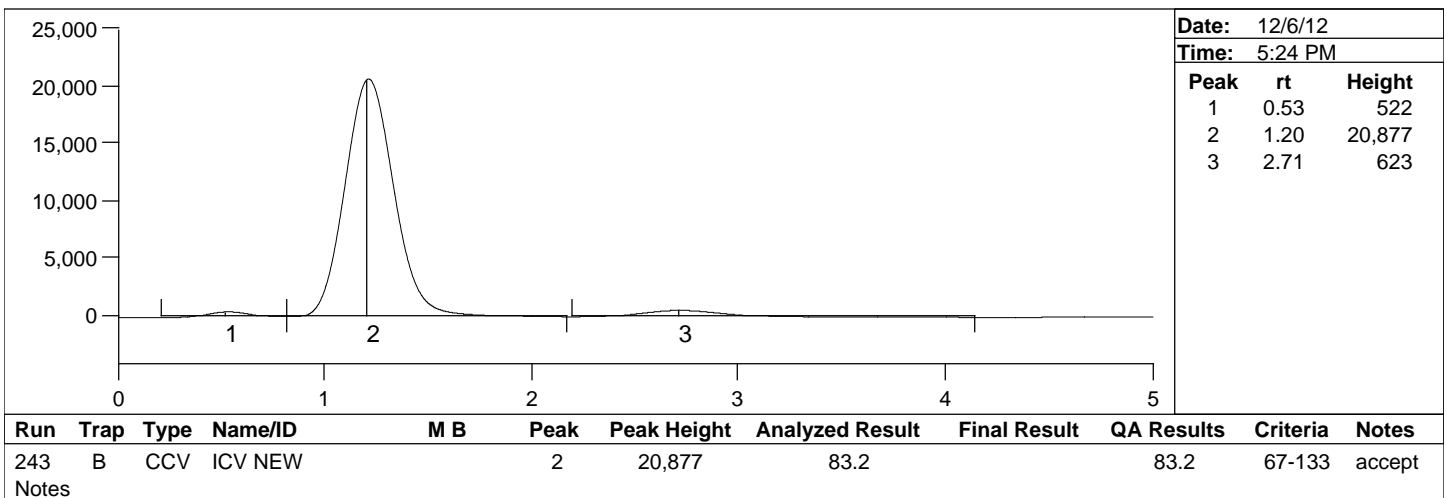
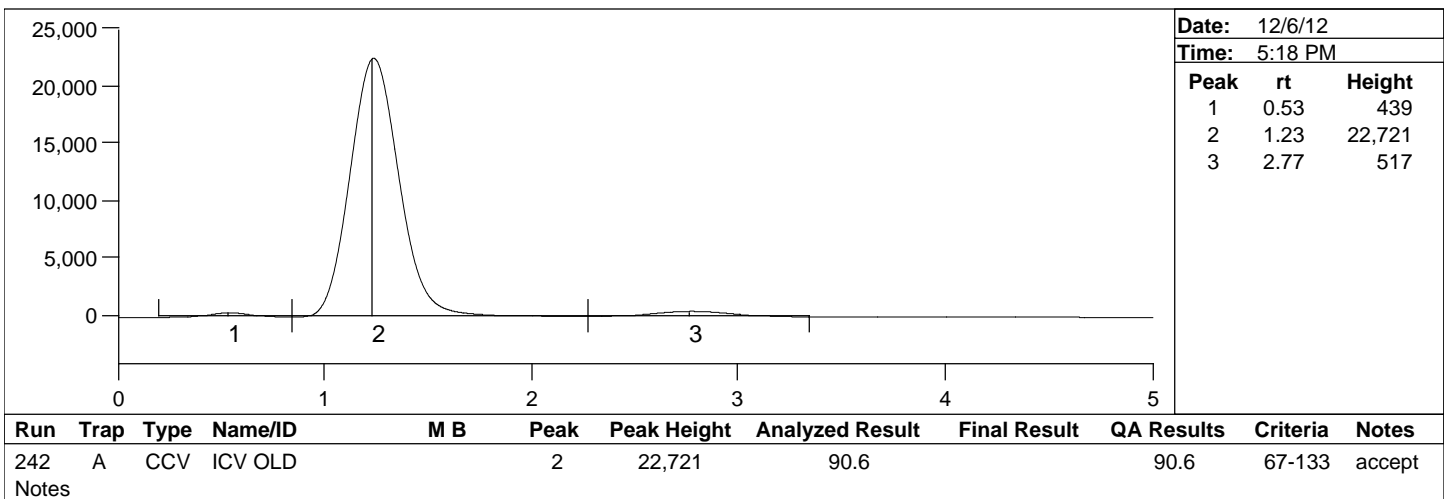
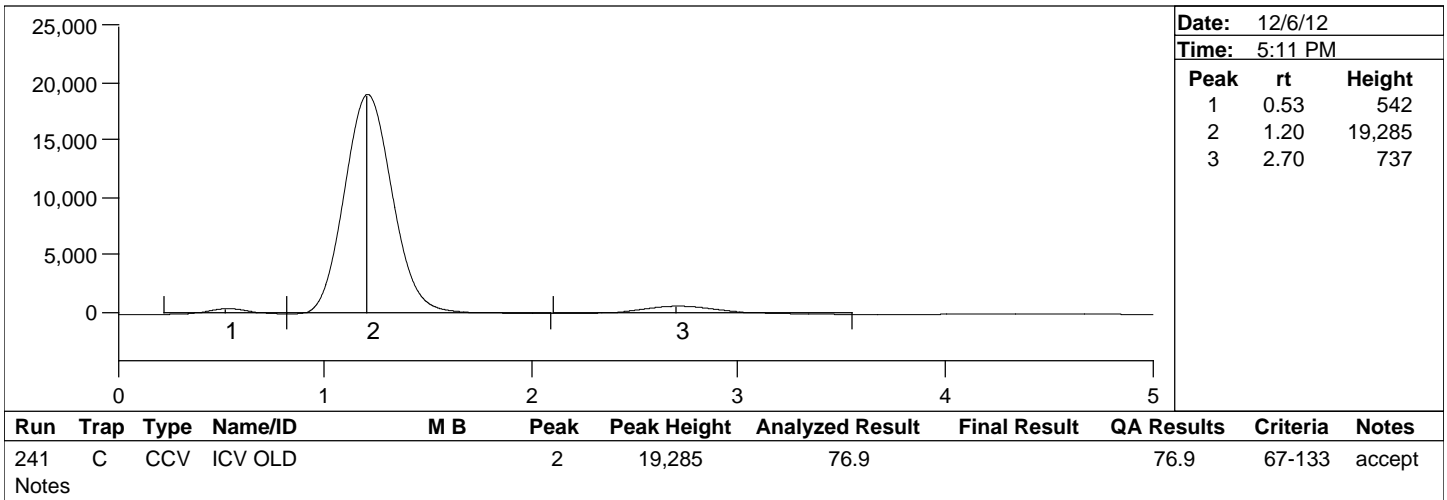


Peak Report

Batch Number: B122152, 2151,
Method Number: CVAFS BR-0011

Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
Analyst Name: BJT

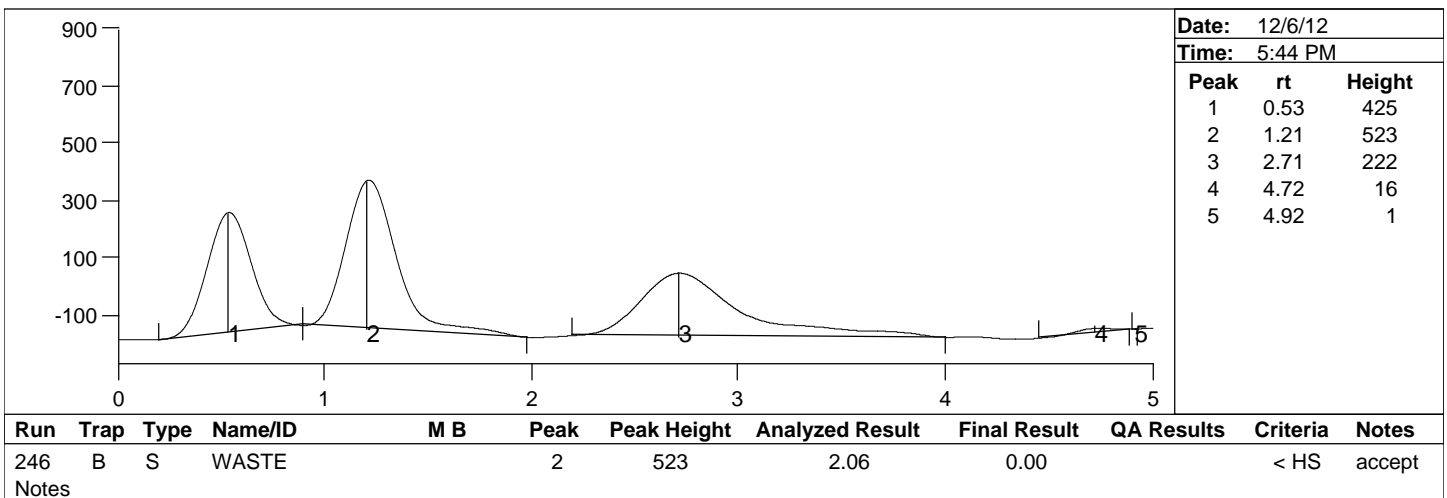
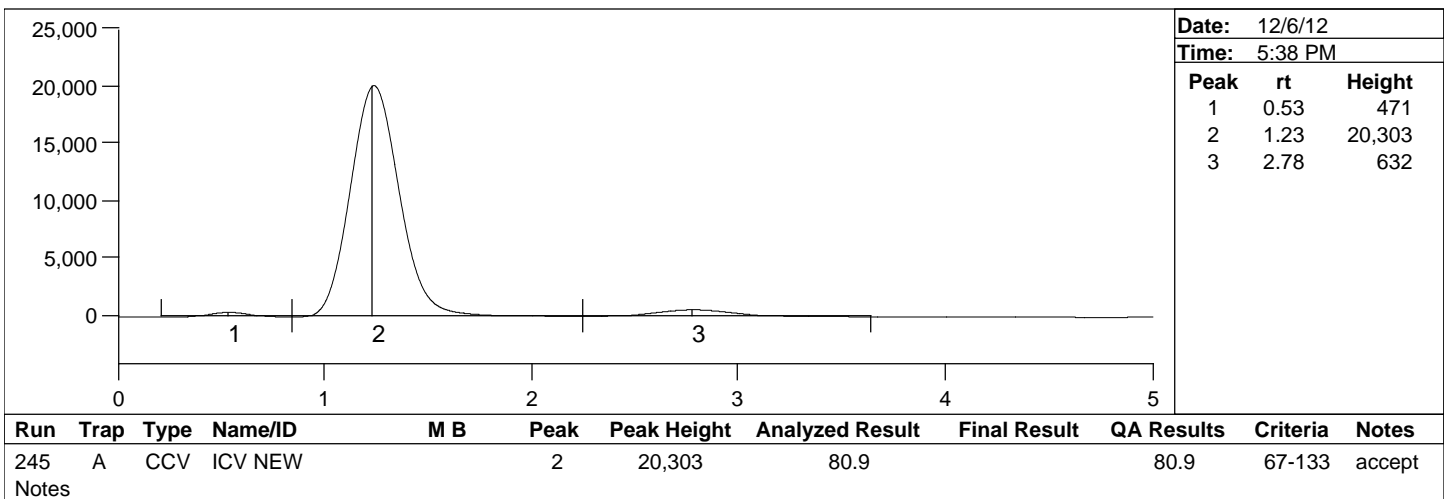
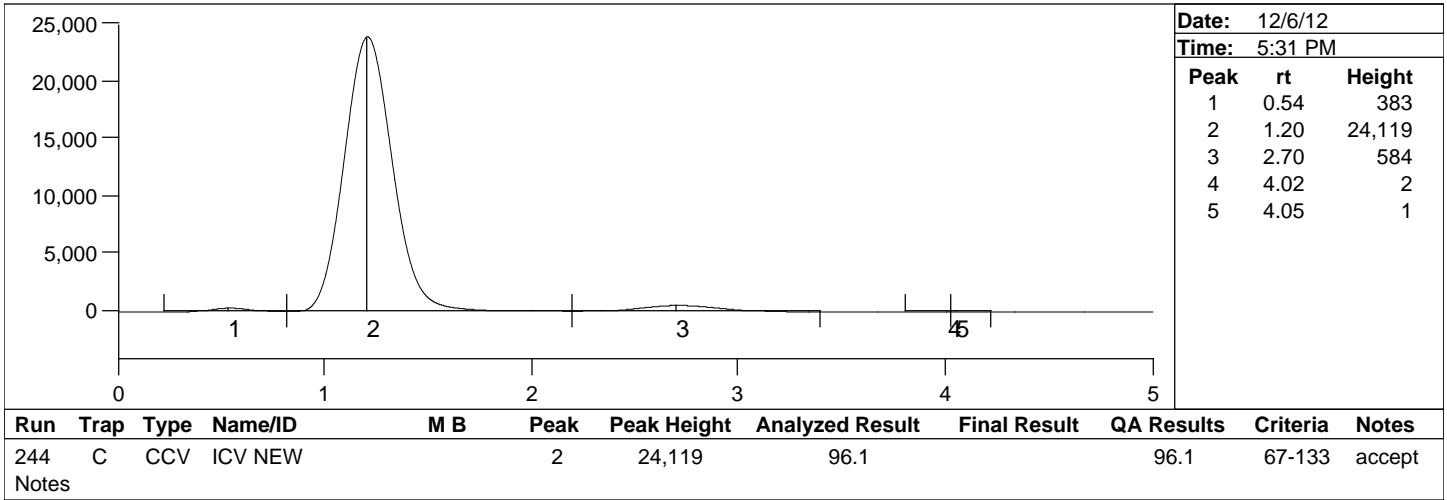


Peak Report

Batch Number: B122152, 2151,
Method Number: CVAFS BR-0011

Project Number(s): 1200901
Instrument ID: MMHG-09

Date Analyzed: 12/5/12
Analyst Name: BJT



ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200959

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200959-ICB1	1200959	QC	1		-			
1200959-CAL1	1200959	QC	2	1227100	-			
1200959-CAL2	1200959	QC	3	1227099	-			
1200959-CAL3	1200959	QC	4	1227098	-			
1200959-CAL4	1200959	QC	5	1227097	-			
1200959-CAL5	1200959	QC	6	1227096	-			
1200959-CAL6	1200959	QC	7	1227095	-			
1200959-CAL7	1200959	QC	8	1227094	-			
1200959-ICB2	1200959	QC	9		-			
1200959-ICV1	1200959	QC	10	1245089	-			
1200959-ICV2	1200959	QC	11	1245090	-			
1200959-ICB3	1200959	QC	12		-			
1200959-IBL1	1200959	QC	13		-			
1200959-IBL2	1200959	QC	14		-			
1200959-IBL3	1200959	QC	15		-			
1200959-IBL4	1200959	QC	16		-			
1200959-SCV1	1200959	QC	17	1245085	-			
1200959-SCV2	1200959	QC	18	1245086	-			
1200959-CCV1	1200959	QC	19	1227097	-			
1200959-CCB1	1200959	QC	20		-			
1200959-CCV2	1200959	QC	21	1227097	-			
1200959-CCB2	1200959	QC	22		-			
1200959-CCV3	1200959	QC	23	1227097	-			
1200959-CCB3	1200959	QC	24		-			
B122257-BLK1	B122257	QC	25		-			
B122257-BLK2	B122257	QC	26		-			

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BRL Report 1245005

Brooks Rand Labs

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Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B122257-BLK3	B122257	QC	27		-			
B122257-BLK4	B122257	QC	28		-			
B122257-BS1	B122257	QC	29		-			
B122257-SRM1	B122257	QC	30		-			
B122257-SRM2	B122257	QC	31		-			
1248018-03	B122257	Zn-W-ChelCol-ICPMS-TR	32			ORN-OR1203	12/19/2012	
1248018-03	B122257	V-W-ChelCol-ICPMS-TR	33			ORN-OR1203	12/19/2012	
1248018-03	B122257	Pb-W-ChelCol-ICPMS-TR	34			ORN-OR1203	12/19/2012	
1248018-03	B122257	Ni-W-ChelCol-ICPMS-TR	35			ORN-OR1203	12/19/2012	
1248018-03	B122257	Fe-W-ChelCol-ICPMS-TR	36			ORN-OR1203	12/19/2012	
1248018-03	B122257	Cu-W-ChelCol-ICPMS-TR	37			ORN-OR1203	12/19/2012	
1248018-03	B122257	Co-W-ChelCol-ICPMS-TR	38			ORN-OR1203	12/19/2012	
1248018-03	B122257	Cd-W-ChelCol-ICPMS-TR	39			ORN-OR1203	12/19/2012	
1248018-04	B122257	Zn-W-ChelCol-ICPMS-Diss	40			ORN-OR1203	12/19/2012	
1248018-04	B122257	V-W-ChelCol-ICPMS-Diss	41			ORN-OR1203	12/19/2012	
1248018-04	B122257	Pb-W-ChelCol-ICPMS-Diss	42			ORN-OR1203	12/19/2012	
1248018-04	B122257	Ni-W-ChelCol-ICPMS-Diss	43			ORN-OR1203	12/19/2012	
1248018-04	B122257	Fe-W-ChelCol-ICPMS-Diss	44			ORN-OR1203	12/19/2012	
1248018-04	B122257	Cu-W-ChelCol-ICPMS-Diss	45			ORN-OR1203	12/19/2012	
1248018-04	B122257	Co-W-ChelCol-ICPMS-Diss	46			ORN-OR1203	12/19/2012	
1248018-04	B122257	Cd-W-ChelCol-ICPMS-Diss	47			ORN-OR1203	12/19/2012	
1248018-01	B122257	Zn-W-ChelCol-ICPMS-TR	48			ORN-OR1203	12/19/2012	
1248018-01	B122257	Zn-W-ChelCol-ICPMS-Diss	49			ORN-OR1203	1/1/1980	BatchQC
1248018-01	B122257	V-W-ChelCol-ICPMS-TR	50			ORN-OR1203	12/19/2012	
1248018-01	B122257	V-W-ChelCol-ICPMS-Diss	51			ORN-OR1203	1/1/1980	BatchQC
1248018-01	B122257	Pb-W-ChelCol-ICPMS-TR	52			ORN-OR1203	12/19/2012	

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BRL Report 1245005

Brooks Rand Labs

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Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1248018-01	B122257	Pb-W-ChelCol-ICPMS-Diss	53			ORN-OR1203	1/1/1980	BatchQC
1248018-01	B122257	Ni-W-ChelCol-ICPMS-TR	54			ORN-OR1203	12/19/2012	
1248018-01	B122257	Ni-W-ChelCol-ICPMS-Diss	55			ORN-OR1203	1/1/1980	BatchQC
1248018-01	B122257	Fe-W-ChelCol-ICPMS-TR	56			ORN-OR1203	12/19/2012	
1248018-01	B122257	Fe-W-ChelCol-ICPMS-Diss	57			ORN-OR1203	1/1/1980	BatchQC
1248018-01	B122257	Cu-W-ChelCol-ICPMS-TR	58			ORN-OR1203	12/19/2012	
1248018-01	B122257	Cu-W-ChelCol-ICPMS-Diss	59			ORN-OR1203	1/1/1980	BatchQC
1248018-01	B122257	Co-W-ChelCol-ICPMS-TR	60			ORN-OR1203	12/19/2012	
1248018-01	B122257	Co-W-ChelCol-ICPMS-Diss	61			ORN-OR1203	1/1/1980	BatchQC
1248018-01	B122257	Cd-W-ChelCol-ICPMS-TR	62			ORN-OR1203	12/19/2012	
1248018-01	B122257	Cd-W-ChelCol-ICPMS-Diss	63			ORN-OR1203	1/1/1980	BatchQC
B122257-DUP1	B122257	QC	64		1248018-01			
B122257-MS1	B122257	QC	65		1248018-01			
1200959-CCV4	1200959	QC	66	1227097	-			
1200959-CCB4	1200959	QC	67		-			
B122257-MSD1	B122257	QC	68		1248018-01			
1248018-02	B122257	Zn-W-ChelCol-ICPMS-Diss	69			ORN-OR1203	12/19/2012	
1248018-02	B122257	V-W-ChelCol-ICPMS-Diss	70			ORN-OR1203	12/19/2012	
1248018-02	B122257	Pb-W-ChelCol-ICPMS-Diss	71			ORN-OR1203	12/19/2012	
1248018-02	B122257	Ni-W-ChelCol-ICPMS-Diss	72			ORN-OR1203	12/19/2012	
1248018-02	B122257	Fe-W-ChelCol-ICPMS-Diss	73			ORN-OR1203	12/19/2012	
1248018-02	B122257	Cu-W-ChelCol-ICPMS-Diss	74			ORN-OR1203	12/19/2012	
1248018-02	B122257	Co-W-ChelCol-ICPMS-Diss	75			ORN-OR1203	12/19/2012	
1248018-02	B122257	Cd-W-ChelCol-ICPMS-Diss	76			ORN-OR1203	12/19/2012	
1248018-05	B122257	Zn-W-ChelCol-ICPMS-TR	77			ORN-OR1203	12/19/2012	
1248018-05	B122257	V-W-ChelCol-ICPMS-TR	78			ORN-OR1203	12/19/2012	

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BRL Report 1245005

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Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1248018-05	B122257	Pb-W-ChelCol-ICPMS-TR	79			ORN-OR1203	12/19/2012	
1248018-05	B122257	Ni-W-ChelCol-ICPMS-TR	80			ORN-OR1203	12/19/2012	
1248018-05	B122257	Fe-W-ChelCol-ICPMS-TR	81			ORN-OR1203	12/19/2012	
1248018-05	B122257	Cu-W-ChelCol-ICPMS-TR	82			ORN-OR1203	12/19/2012	
1248018-05	B122257	Co-W-ChelCol-ICPMS-TR	83			ORN-OR1203	12/19/2012	
1248018-05	B122257	Cd-W-ChelCol-ICPMS-TR	84			ORN-OR1203	12/19/2012	
1248018-06	B122257	Zn-W-ChelCol-ICPMS-Diss	85			ORN-OR1203	12/19/2012	
1248018-06	B122257	V-W-ChelCol-ICPMS-Diss	86			ORN-OR1203	12/19/2012	
1248018-06	B122257	Pb-W-ChelCol-ICPMS-Diss	87			ORN-OR1203	12/19/2012	
1248018-06	B122257	Ni-W-ChelCol-ICPMS-Diss	88			ORN-OR1203	12/19/2012	
1248018-06	B122257	Fe-W-ChelCol-ICPMS-Diss	89			ORN-OR1203	12/19/2012	
1248018-06	B122257	Cu-W-ChelCol-ICPMS-Diss	90			ORN-OR1203	12/19/2012	
1248018-06	B122257	Co-W-ChelCol-ICPMS-Diss	91			ORN-OR1203	12/19/2012	
1248018-06	B122257	Cd-W-ChelCol-ICPMS-Diss	92			ORN-OR1203	12/19/2012	
1248018-07	B122257	Zn-W-ChelCol-ICPMS-TR	93			ORN-OR1203	12/19/2012	
1248018-07	B122257	Zn-W-ChelCol-ICPMS-Diss	94			ORN-OR1203	1/1/1980	BatchQC
1248018-07	B122257	V-W-ChelCol-ICPMS-TR	95			ORN-OR1203	12/19/2012	
1248018-07	B122257	V-W-ChelCol-ICPMS-Diss	96			ORN-OR1203	1/1/1980	BatchQC
1248018-07	B122257	Pb-W-ChelCol-ICPMS-TR	97			ORN-OR1203	12/19/2012	
1248018-07	B122257	Pb-W-ChelCol-ICPMS-Diss	98			ORN-OR1203	1/1/1980	BatchQC
1248018-07	B122257	Ni-W-ChelCol-ICPMS-TR	99			ORN-OR1203	12/19/2012	
1248018-07	B122257	Ni-W-ChelCol-ICPMS-Diss	100			ORN-OR1203	1/1/1980	BatchQC
1248018-07	B122257	Fe-W-ChelCol-ICPMS-TR	101			ORN-OR1203	12/19/2012	
1248018-07	B122257	Fe-W-ChelCol-ICPMS-Diss	102			ORN-OR1203	1/1/1980	BatchQC
1248018-07	B122257	Cu-W-ChelCol-ICPMS-TR	103			ORN-OR1203	12/19/2012	
1248018-07	B122257	Cu-W-ChelCol-ICPMS-Diss	104			ORN-OR1203	1/1/1980	BatchQC

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BRL Report 1245005

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Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1248018-07	B122257	Co-W-ChelCol-ICPMS-TR	105			ORN-OR1203	12/19/2012	
1248018-07	B122257	Co-W-ChelCol-ICPMS-Diss	106			ORN-OR1203	1/1/1980	BatchQC
1248018-07	B122257	Cd-W-ChelCol-ICPMS-TR	107			ORN-OR1203	12/19/2012	
1248018-07	B122257	Cd-W-ChelCol-ICPMS-Diss	108			ORN-OR1203	1/1/1980	BatchQC
B122257-DUP2	B122257	QC	109		1248018-07			
B122257-MS2	B122257	QC	110		1248018-07			
B122257-MSD2	B122257	QC	111		1248018-07			
1248018-08	B122257	Zn-W-ChelCol-ICPMS-Diss	112			ORN-OR1203	12/19/2012	
1248018-08	B122257	V-W-ChelCol-ICPMS-Diss	113			ORN-OR1203	12/19/2012	
1248018-08	B122257	Pb-W-ChelCol-ICPMS-Diss	114			ORN-OR1203	12/19/2012	
1248018-08	B122257	Ni-W-ChelCol-ICPMS-Diss	115			ORN-OR1203	12/19/2012	
1248018-08	B122257	Fe-W-ChelCol-ICPMS-Diss	116			ORN-OR1203	12/19/2012	
1248018-08	B122257	Cu-W-ChelCol-ICPMS-Diss	117			ORN-OR1203	12/19/2012	
1248018-08	B122257	Co-W-ChelCol-ICPMS-Diss	118			ORN-OR1203	12/19/2012	
1248018-08	B122257	Cd-W-ChelCol-ICPMS-Diss	119			ORN-OR1203	12/19/2012	
1248018-09	B122257	Zn-W-ChelCol-ICPMS-TR	120			ORN-OR1203	12/19/2012	
1248018-09	B122257	V-W-ChelCol-ICPMS-TR	121			ORN-OR1203	12/19/2012	
1248018-09	B122257	Pb-W-ChelCol-ICPMS-TR	122			ORN-OR1203	12/19/2012	
1248018-09	B122257	Ni-W-ChelCol-ICPMS-TR	123			ORN-OR1203	12/19/2012	
1248018-09	B122257	Fe-W-ChelCol-ICPMS-TR	124			ORN-OR1203	12/19/2012	
1248018-09	B122257	Cu-W-ChelCol-ICPMS-TR	125			ORN-OR1203	12/19/2012	
1248018-09	B122257	Co-W-ChelCol-ICPMS-TR	126			ORN-OR1203	12/19/2012	
1248018-09	B122257	Cd-W-ChelCol-ICPMS-TR	127			ORN-OR1203	12/19/2012	
1200959-CCV5	1200959	QC	128	1227097	-			
1200959-CCB5	1200959	QC	129		-			
1248018-10	B122257	Zn-W-ChelCol-ICPMS-Diss	130			ORN-OR1203	12/19/2012	

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BRL Report 1245005

Brooks Rand Labs

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Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1248018-10	B122257	V-W-ChelCol-ICPMS-Diss	131			ORN-OR1203	12/19/2012	
1248018-10	B122257	Pb-W-ChelCol-ICPMS-Diss	132			ORN-OR1203	12/19/2012	
1248018-10	B122257	Ni-W-ChelCol-ICPMS-Diss	133			ORN-OR1203	12/19/2012	
1248018-10	B122257	Fe-W-ChelCol-ICPMS-Diss	134			ORN-OR1203	12/19/2012	
1248018-10	B122257	Cu-W-ChelCol-ICPMS-Diss	135			ORN-OR1203	12/19/2012	
1248018-10	B122257	Co-W-ChelCol-ICPMS-Diss	136			ORN-OR1203	12/19/2012	
1248018-10	B122257	Cd-W-ChelCol-ICPMS-Diss	137			ORN-OR1203	12/19/2012	
1248018-11	B122257	Zn-W-ChelCol-ICPMS-TR	138			ORN-OR1203	12/19/2012	
1248018-11	B122257	V-W-ChelCol-ICPMS-TR	139			ORN-OR1203	12/19/2012	
1248018-11	B122257	Pb-W-ChelCol-ICPMS-TR	140			ORN-OR1203	12/19/2012	
1248018-11	B122257	Ni-W-ChelCol-ICPMS-TR	141			ORN-OR1203	12/19/2012	
1248018-11	B122257	Fe-W-ChelCol-ICPMS-TR	142			ORN-OR1203	12/19/2012	
1248018-11	B122257	Cu-W-ChelCol-ICPMS-TR	143			ORN-OR1203	12/19/2012	
1248018-11	B122257	Co-W-ChelCol-ICPMS-TR	144			ORN-OR1203	12/19/2012	
1248018-11	B122257	Cd-W-ChelCol-ICPMS-TR	145			ORN-OR1203	12/19/2012	
1248018-12	B122257	Zn-W-ChelCol-ICPMS-Diss	146			ORN-OR1203	12/19/2012	
1248018-12	B122257	V-W-ChelCol-ICPMS-Diss	147			ORN-OR1203	12/19/2012	
1248018-12	B122257	Pb-W-ChelCol-ICPMS-Diss	148			ORN-OR1203	12/19/2012	
1248018-12	B122257	Ni-W-ChelCol-ICPMS-Diss	149			ORN-OR1203	12/19/2012	
1248018-12	B122257	Fe-W-ChelCol-ICPMS-Diss	150			ORN-OR1203	12/19/2012	
1248018-12	B122257	Cu-W-ChelCol-ICPMS-Diss	151			ORN-OR1203	12/19/2012	
1248018-12	B122257	Co-W-ChelCol-ICPMS-Diss	152			ORN-OR1203	12/19/2012	
1248018-12	B122257	Cd-W-ChelCol-ICPMS-Diss	153			ORN-OR1203	12/19/2012	
1248018-01RE1	B122257	Zn-W-ChelCol-ICPMS-TR	154			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-01RE1	B122257	V-W-ChelCol-ICPMS-TR	155			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-01RE1	B122257	Pb-W-ChelCol-ICPMS-TR	156			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU

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BRL Report 1245005

Brooks Rand Labs

1200959

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1248018-01RE1	B122257	Ni-W-ChelCol-ICPMS-TR	157			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-01RE1	B122257	Fe-W-ChelCol-ICPMS-TR	158			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-01RE1	B122257	Cu-W-ChelCol-ICPMS-TR	159			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-01RE1	B122257	Co-W-ChelCol-ICPMS-TR	160			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-01RE1	B122257	Cd-W-ChelCol-ICPMS-TR	161			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
B122257-DUP3	B122257	QC	162		1248018-01RE1			
B122257-MS3	B122257	QC	163		1248018-01RE1			
B122257-MSD3	B122257	QC	164		1248018-01RE1			
1248018-02RE1	B122257	Zn-W-ChelCol-ICPMS-Diss	165			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-02RE1	B122257	V-W-ChelCol-ICPMS-Diss	166			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-02RE1	B122257	Pb-W-ChelCol-ICPMS-Diss	167			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-02RE1	B122257	Ni-W-ChelCol-ICPMS-Diss	168			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-02RE1	B122257	Fe-W-ChelCol-ICPMS-Diss	169			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-02RE1	B122257	Cu-W-ChelCol-ICPMS-Diss	170			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-02RE1	B122257	Co-W-ChelCol-ICPMS-Diss	171			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-02RE1	B122257	Cd-W-ChelCol-ICPMS-Diss	172			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-05RE1	B122257	Zn-W-ChelCol-ICPMS-TR	173			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-05RE1	B122257	V-W-ChelCol-ICPMS-TR	174			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-05RE1	B122257	Pb-W-ChelCol-ICPMS-TR	175			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-05RE1	B122257	Ni-W-ChelCol-ICPMS-TR	176			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-05RE1	B122257	Fe-W-ChelCol-ICPMS-TR	177			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-05RE1	B122257	Cu-W-ChelCol-ICPMS-TR	178			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-05RE1	B122257	Co-W-ChelCol-ICPMS-TR	179			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-05RE1	B122257	Cd-W-ChelCol-ICPMS-TR	180			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-06RE1	B122257	Zn-W-ChelCol-ICPMS-Diss	181			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-06RE1	B122257	V-W-ChelCol-ICPMS-Diss	182			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU

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1200959

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1248018-06RE1	B122257	Pb-W-ChelCol-ICPMS-Diss	183			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-06RE1	B122257	Ni-W-ChelCol-ICPMS-Diss	184			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-06RE1	B122257	Fe-W-ChelCol-ICPMS-Diss	185			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-06RE1	B122257	Cu-W-ChelCol-ICPMS-Diss	186			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-06RE1	B122257	Co-W-ChelCol-ICPMS-Diss	187			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-06RE1	B122257	Cd-W-ChelCol-ICPMS-Diss	188			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1200959-CCV6	1200959	QC	189	1227097	-			
1200959-CCB6	1200959	QC	190		-			
1248018-07RE1	B122257	Zn-W-ChelCol-ICPMS-TR	191			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-07RE1	B122257	V-W-ChelCol-ICPMS-TR	192			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-07RE1	B122257	Pb-W-ChelCol-ICPMS-TR	193			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-07RE1	B122257	Ni-W-ChelCol-ICPMS-TR	194			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-07RE1	B122257	Fe-W-ChelCol-ICPMS-TR	195			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-07RE1	B122257	Cu-W-ChelCol-ICPMS-TR	196			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-07RE1	B122257	Co-W-ChelCol-ICPMS-TR	197			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-07RE1	B122257	Cd-W-ChelCol-ICPMS-TR	198			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
B122257-DUP4	B122257	QC	199		1248018-07RE1			
B122257-MS4	B122257	QC	200		1248018-07RE1			
B122257-MSD4	B122257	QC	201		1248018-07RE1			
1248018-08RE1	B122257	Zn-W-ChelCol-ICPMS-Diss	202			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-08RE1	B122257	V-W-ChelCol-ICPMS-Diss	203			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-08RE1	B122257	Pb-W-ChelCol-ICPMS-Diss	204			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-08RE1	B122257	Ni-W-ChelCol-ICPMS-Diss	205			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-08RE1	B122257	Fe-W-ChelCol-ICPMS-Diss	206			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-08RE1	B122257	Cu-W-ChelCol-ICPMS-Diss	207			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-08RE1	B122257	Co-W-ChelCol-ICPMS-Diss	208			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU

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1248018-08RE1	B122257	Cd-W-ChelCol-ICPMS-Diss	209			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-09RE1	B122257	Zn-W-ChelCol-ICPMS-TR	210			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-09RE1	B122257	V-W-ChelCol-ICPMS-TR	211			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-09RE1	B122257	Pb-W-ChelCol-ICPMS-TR	212			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-09RE1	B122257	Ni-W-ChelCol-ICPMS-TR	213			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-09RE1	B122257	Fe-W-ChelCol-ICPMS-TR	214			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-09RE1	B122257	Cu-W-ChelCol-ICPMS-TR	215			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-09RE1	B122257	Co-W-ChelCol-ICPMS-TR	216			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-09RE1	B122257	Cd-W-ChelCol-ICPMS-TR	217			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-10RE1	B122257	Zn-W-ChelCol-ICPMS-Diss	218			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-10RE1	B122257	V-W-ChelCol-ICPMS-Diss	219			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-10RE1	B122257	Pb-W-ChelCol-ICPMS-Diss	220			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-10RE1	B122257	Ni-W-ChelCol-ICPMS-Diss	221			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-10RE1	B122257	Fe-W-ChelCol-ICPMS-Diss	222			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-10RE1	B122257	Cu-W-ChelCol-ICPMS-Diss	223			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-10RE1	B122257	Co-W-ChelCol-ICPMS-Diss	224			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-10RE1	B122257	Cd-W-ChelCol-ICPMS-Diss	225			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-11RE1	B122257	Zn-W-ChelCol-ICPMS-TR	226			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-11RE1	B122257	V-W-ChelCol-ICPMS-TR	227			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-11RE1	B122257	Pb-W-ChelCol-ICPMS-TR	228			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-11RE1	B122257	Ni-W-ChelCol-ICPMS-TR	229			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-11RE1	B122257	Fe-W-ChelCol-ICPMS-TR	230			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-11RE1	B122257	Cu-W-ChelCol-ICPMS-TR	231			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-11RE1	B122257	Co-W-ChelCol-ICPMS-TR	232			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-11RE1	B122257	Cd-W-ChelCol-ICPMS-TR	233			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-12RE1	B122257	Zn-W-ChelCol-ICPMS-Diss	234			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU

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1248018-12RE1	B122257	V-W-ChelCol-ICPMS-Diss	235			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-12RE1	B122257	Pb-W-ChelCol-ICPMS-Diss	236			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-12RE1	B122257	Ni-W-ChelCol-ICPMS-Diss	237			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-12RE1	B122257	Fe-W-ChelCol-ICPMS-Diss	238			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-12RE1	B122257	Cu-W-ChelCol-ICPMS-Diss	239			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-12RE1	B122257	Co-W-ChelCol-ICPMS-Diss	240			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1248018-12RE1	B122257	Cd-W-ChelCol-ICPMS-Diss	241			ORN-OR1203	12/19/2012	Added 12/26/2012 by MSU
1200959-CCV7	1200959	QC	242	1227097	-			
1200959-CCB7	1200959	QC	243		-			
B122198-BLK1	B122198	QC	244		-			
B122198-BLK2	B122198	QC	245		-			
B122198-BLK3	B122198	QC	246		-			
B122198-BLK4	B122198	QC	247		-			
B122198-BS1	B122198	QC	248		-			
B122198-SRM1	B122198	QC	249		-			
B122198-SRM2	B122198	QC	250		-			
1247017-01	B122198	Zn-W-ChelCol-ICPMS-Diss	251			SFE-OA1101	12/13/2012	
1247017-01	B122198	Pb-W-ChelCol-ICPMS-TR	252			SFE-OA1101	1/1/1980	BatchQC
1247017-01	B122198	Pb-W-ChelCol-ICPMS-Diss	253			SFE-OA1101	12/13/2012	
1247017-01	B122198	Ni-W-ChelCol-ICPMS-Diss	254			SFE-OA1101	12/13/2012	
1247017-01	B122198	Cu-W-ChelCol-ICPMS-TR	255			SFE-OA1101	1/1/1980	BatchQC
1247017-01	B122198	Cd-W-ChelCol-ICPMS-TR	256			SFE-OA1101	1/1/1980	BatchQC
B122198-DUP1	B122198	QC	257		1247017-01			
B122198-MS1	B122198	QC	258		1247017-01			
B122198-MSD1	B122198	QC	259		1247017-01			
1247017-02	B122198	Zn-W-ChelCol-ICPMS-Diss	260			SFE-OA1101	12/13/2012	

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1247017-02	B122198	Pb-W-ChelCol-ICPMS-Diss	261			SFE-OA1101	12/13/2012	
1247017-02	B122198	Ni-W-ChelCol-ICPMS-Diss	262			SFE-OA1101	12/13/2012	
1200959-CCV8	1200959	QC	263	1227097	-			
1200959-CCB8	1200959	QC	264		-			
1247017-03	B122198	Zn-W-ChelCol-ICPMS-Diss	265			SFE-OA1101	12/13/2012	
1247017-03	B122198	Pb-W-ChelCol-ICPMS-Diss	266			SFE-OA1101	12/13/2012	
1247017-03	B122198	Ni-W-ChelCol-ICPMS-Diss	267			SFE-OA1101	12/13/2012	
1247017-04	B122198	Zn-W-ChelCol-ICPMS-Diss	268			SFE-OA1101	12/13/2012	
1247017-04	B122198	Pb-W-ChelCol-ICPMS-Diss	269			SFE-OA1101	12/13/2012	
1247017-04	B122198	Ni-W-ChelCol-ICPMS-Diss	270			SFE-OA1101	12/13/2012	
1247017-05	B122198	Zn-W-ChelCol-ICPMS-Diss	271			SFE-OA1101	12/13/2012	
1247017-05	B122198	Pb-W-ChelCol-ICPMS-Diss	272			SFE-OA1101	12/13/2012	
1247017-05	B122198	Ni-W-ChelCol-ICPMS-Diss	273			SFE-OA1101	12/13/2012	
1247017-06	B122198	Zn-W-ChelCol-ICPMS-Diss	274			SFE-OA1101	12/13/2012	
1247017-06	B122198	Pb-W-ChelCol-ICPMS-Diss	275			SFE-OA1101	12/13/2012	
1247017-06	B122198	Ni-W-ChelCol-ICPMS-Diss	276			SFE-OA1101	12/13/2012	
1247017-07	B122198	Zn-W-ChelCol-ICPMS-Diss	277			SFE-OA1101	12/13/2012	
1247017-07	B122198	Pb-W-ChelCol-ICPMS-Diss	278			SFE-OA1101	12/13/2012	
1247017-07	B122198	Ni-W-ChelCol-ICPMS-Diss	279			SFE-OA1101	12/13/2012	
1247017-08	B122198	Zn-W-ChelCol-ICPMS-Diss	280			SFE-OA1101	12/13/2012	
1247017-08	B122198	Pb-W-ChelCol-ICPMS-Diss	281			SFE-OA1101	12/13/2012	
1247017-08	B122198	Ni-W-ChelCol-ICPMS-Diss	282			SFE-OA1101	12/13/2012	
1247017-09	B122198	Zn-W-ChelCol-ICPMS-Diss	283			SFE-OA1101	12/13/2012	
1247017-09	B122198	Pb-W-ChelCol-ICPMS-Diss	284			SFE-OA1101	12/13/2012	
1247017-09	B122198	Ni-W-ChelCol-ICPMS-Diss	285			SFE-OA1101	12/13/2012	
1247017-10	B122198	Zn-W-ChelCol-ICPMS-Diss	286			SFE-OA1101	12/13/2012	

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1247017-10	B122198	Pb-W-ChelCol-ICPMS-Diss	287			SFE-OA1101	12/13/2012	
1247017-10	B122198	Ni-W-ChelCol-ICPMS-Diss	288			SFE-OA1101	12/13/2012	
1247017-11	B122198	Zn-W-ChelCol-ICPMS-Diss	289			SFE-OA1101	12/13/2012	
1247017-11	B122198	Pb-W-ChelCol-ICPMS-Diss	290			SFE-OA1101	12/13/2012	
1247017-11	B122198	Ni-W-ChelCol-ICPMS-Diss	291			SFE-OA1101	12/13/2012	
1247017-12	B122198	Zn-W-ChelCol-ICPMS-Diss	292			SFE-OA1101	12/13/2012	
1247017-12	B122198	Pb-W-ChelCol-ICPMS-Diss	293			SFE-OA1101	12/13/2012	
1247017-12	B122198	Ni-W-ChelCol-ICPMS-Diss	294			SFE-OA1101	12/13/2012	
1200959-CCV9	1200959	QC	295	1227096	-			
1200959-CCB9	1200959	QC	296		-			
1247011-04	B122198	Zn-W-ChelCol-ICPMS-Diss	297			UDE-SL1201	1/1/1980	BatchQC
1247011-04	B122198	Pb-W-ChelCol-ICPMS-TR	298			UDE-SL1201	12/13/2012	
1247011-04	B122198	Pb-W-ChelCol-ICPMS-Diss	299			UDE-SL1201	1/1/1980	BatchQC
1247011-04	B122198	Ni-W-ChelCol-ICPMS-Diss	300			UDE-SL1201	1/1/1980	BatchQC
1247011-04	B122198	Cu-W-ChelCol-ICPMS-TR	301			UDE-SL1201	12/13/2012	
1247011-04	B122198	Cd-W-ChelCol-ICPMS-TR	302			UDE-SL1201	12/13/2012	
B122198-DUP2	B122198	QC	303		1247011-04			
B122198-MS2	B122198	QC	304		1247011-04			
B122198-MSD2	B122198	QC	305		1247011-04			
1200959-CCVA	1200959	QC	306	1227096	-			
1200959-CCBA	1200959	QC	307		-			
B122114-BLK1	B122114	QC	308		-			
B122114-BLK2	B122114	QC	309		-			
B122114-BLK3	B122114	QC	310		-			
B122114-BLK4	B122114	QC	311		-			
B122114-BS1	B122114	QC	312		-			

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Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B122114-SRM1	B122114	QC	313		-			
B122114-SRM2	B122114	QC	314		-			
1245032-10	B122114	Zn-W-ChelCol-ICPMS-Diss	315			HCI-SE1201	12/3/2012	
1245032-10	B122114	Pb-W-ChelCol-ICPMS-Diss	316			HCI-SE1201	12/3/2012	
1245032-10	B122114	Ni-W-ChelCol-ICPMS-Diss	317			HCI-SE1201	12/3/2012	
1245032-10	B122114	Fe-W-ChelCol-ICPMS-Diss	318			HCI-SE1201	12/3/2012	
1245032-10	B122114	Cu-W-ChelCol-ICPMS-Diss	319			HCI-SE1201	12/3/2012	
1245005-26	B122114	Pb-W-ChelCol-ICPMS-TR	320			UDE-SL1201	12/5/2012	
1245005-26	B122114	Cu-W-ChelCol-ICPMS-TR	321			UDE-SL1201	12/5/2012	
1245005-26	B122114	Cd-W-ChelCol-ICPMS-TR	322			UDE-SL1201	12/5/2012	
1245032-01	B122114	Zn-W-ChelCol-ICPMS-Diss	323			HCI-SE1201	12/3/2012	
1245032-01	B122114	Pb-W-ChelCol-ICPMS-TR	324			HCI-SE1201	1/1/1980	BatchQC
1245032-01	B122114	Pb-W-ChelCol-ICPMS-Diss	325			HCI-SE1201	12/3/2012	
1245032-01	B122114	Ni-W-ChelCol-ICPMS-Diss	326			HCI-SE1201	12/3/2012	
1245032-01	B122114	Fe-W-ChelCol-ICPMS-Diss	327			HCI-SE1201	12/3/2012	
1245032-01	B122114	Cu-W-ChelCol-ICPMS-TR	328			HCI-SE1201	1/1/1980	BatchQC
1245032-01	B122114	Cu-W-ChelCol-ICPMS-Diss	329			HCI-SE1201	12/3/2012	
1245032-01	B122114	Cd-W-ChelCol-ICPMS-TR	330			HCI-SE1201	1/1/1980	BatchQC
B122114-DUP1	B122114	QC	331		1245032-01			
B122114-MS1	B122114	QC	332		1245032-01			
1200959-CCVB	1200959	QC	333	1227096	-			
1200959-CCBB	1200959	QC	334		-			
B122114-MSD1	B122114	QC	335		1245032-01			
1245032-02	B122114	Zn-W-ChelCol-ICPMS-Diss	336			HCI-SE1201	12/3/2012	
1245032-02	B122114	Pb-W-ChelCol-ICPMS-Diss	337			HCI-SE1201	12/3/2012	
1245032-02	B122114	Ni-W-ChelCol-ICPMS-Diss	338			HCI-SE1201	12/3/2012	

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1245032-02	B122114	Fe-W-ChelCol-ICPMS-Diss	339			HCI-SE1201	12/3/2012	
1245032-02	B122114	Cu-W-ChelCol-ICPMS-Diss	340			HCI-SE1201	12/3/2012	
1245032-03	B122114	Zn-W-ChelCol-ICPMS-Diss	341			HCI-SE1201	12/3/2012	
1245032-03	B122114	Pb-W-ChelCol-ICPMS-Diss	342			HCI-SE1201	12/3/2012	
1245032-03	B122114	Ni-W-ChelCol-ICPMS-Diss	343			HCI-SE1201	12/3/2012	
1245032-03	B122114	Fe-W-ChelCol-ICPMS-Diss	344			HCI-SE1201	12/3/2012	
1245032-03	B122114	Cu-W-ChelCol-ICPMS-Diss	345			HCI-SE1201	12/3/2012	
1245032-05	B122114	Zn-W-ChelCol-ICPMS-Diss	346			HCI-SE1201	12/3/2012	
1245032-05	B122114	Pb-W-ChelCol-ICPMS-Diss	347			HCI-SE1201	12/3/2012	
1245032-05	B122114	Ni-W-ChelCol-ICPMS-Diss	348			HCI-SE1201	12/3/2012	
1245032-05	B122114	Fe-W-ChelCol-ICPMS-Diss	349			HCI-SE1201	12/3/2012	
1245032-05	B122114	Cu-W-ChelCol-ICPMS-Diss	350			HCI-SE1201	12/3/2012	
1245032-06	B122114	Zn-W-ChelCol-ICPMS-Diss	351			HCI-SE1201	12/3/2012	
1245032-06	B122114	Pb-W-ChelCol-ICPMS-Diss	352			HCI-SE1201	12/3/2012	
1245032-06	B122114	Ni-W-ChelCol-ICPMS-Diss	353			HCI-SE1201	12/3/2012	
1245032-06	B122114	Fe-W-ChelCol-ICPMS-Diss	354			HCI-SE1201	12/3/2012	
1245032-06	B122114	Cu-W-ChelCol-ICPMS-Diss	355			HCI-SE1201	12/3/2012	
1245032-07	B122114	Zn-W-ChelCol-ICPMS-Diss	356			HCI-SE1201	12/3/2012	
1245032-07	B122114	Pb-W-ChelCol-ICPMS-Diss	357			HCI-SE1201	12/3/2012	
1245032-07	B122114	Ni-W-ChelCol-ICPMS-Diss	358			HCI-SE1201	12/3/2012	
1245032-07	B122114	Fe-W-ChelCol-ICPMS-Diss	359			HCI-SE1201	12/3/2012	
1245032-07	B122114	Cu-W-ChelCol-ICPMS-Diss	360			HCI-SE1201	12/3/2012	
1245005-09	B122114	Zn-W-ChelCol-ICPMS-Diss	361			UDE-SL1201	1/1/1980	BatchQC
1245005-09	B122114	Pb-W-ChelCol-ICPMS-TR	362			UDE-SL1201	12/5/2012	
1245005-09	B122114	Pb-W-ChelCol-ICPMS-Diss	363			UDE-SL1201	1/1/1980	BatchQC
1245005-09	B122114	Ni-W-ChelCol-ICPMS-Diss	364			UDE-SL1201	1/1/1980	BatchQC

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1245005-09	B122114	Fe-W-ChelCol-ICPMS-Diss	365			UDE-SL1201	1/1/1980	BatchQC
1245005-09	B122114	Cu-W-ChelCol-ICPMS-TR	366			UDE-SL1201	12/5/2012	
1245005-09	B122114	Cu-W-ChelCol-ICPMS-Diss	367			UDE-SL1201	1/1/1980	BatchQC
1245005-09	B122114	Cd-W-ChelCol-ICPMS-TR	368			UDE-SL1201	12/5/2012	
B122114-DUP2	B122114	QC	369		1245005-09			
B122114-MS2	B122114	QC	370		1245005-09			
B122114-MSD2	B122114	QC	371		1245005-09			
1200959-CCVC	1200959	QC	372	1227096	-			
1200959-CCBC	1200959	QC	373		-			
1245005-10	B122114	Pb-W-ChelCol-ICPMS-TR	374			UDE-SL1201	12/5/2012	
1245005-10	B122114	Cu-W-ChelCol-ICPMS-TR	375			UDE-SL1201	12/5/2012	
1245005-10	B122114	Cd-W-ChelCol-ICPMS-TR	376			UDE-SL1201	12/5/2012	
1245005-11	B122114	Pb-W-ChelCol-ICPMS-TR	377			UDE-SL1201	12/5/2012	
1245005-11	B122114	Cu-W-ChelCol-ICPMS-TR	378			UDE-SL1201	12/5/2012	
1245005-11	B122114	Cd-W-ChelCol-ICPMS-TR	379			UDE-SL1201	12/5/2012	
1245005-12	B122114	Pb-W-ChelCol-ICPMS-TR	380			UDE-SL1201	12/5/2012	
1245005-12	B122114	Cu-W-ChelCol-ICPMS-TR	381			UDE-SL1201	12/5/2012	
1245005-12	B122114	Cd-W-ChelCol-ICPMS-TR	382			UDE-SL1201	12/5/2012	
1245005-13	B122114	Pb-W-ChelCol-ICPMS-TR	383			UDE-SL1201	12/5/2012	
1245005-13	B122114	Cu-W-ChelCol-ICPMS-TR	384			UDE-SL1201	12/5/2012	
1245005-13	B122114	Cd-W-ChelCol-ICPMS-TR	385			UDE-SL1201	12/5/2012	
1245005-14	B122114	Pb-W-ChelCol-ICPMS-TR	386			UDE-SL1201	12/5/2012	
1245005-14	B122114	Cu-W-ChelCol-ICPMS-TR	387			UDE-SL1201	12/5/2012	
1245005-14	B122114	Cd-W-ChelCol-ICPMS-TR	388			UDE-SL1201	12/5/2012	
1245005-15	B122114	Pb-W-ChelCol-ICPMS-TR	389			UDE-SL1201	12/5/2012	
1245005-15	B122114	Cu-W-ChelCol-ICPMS-TR	390			UDE-SL1201	12/5/2012	

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Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1245005-15	B122114	Cd-W-ChelCol-ICPMS-TR	391			UDE-SL1201	12/5/2012	
1245005-16	B122114	Pb-W-ChelCol-ICPMS-TR	392			UDE-SL1201	12/5/2012	
1245005-16	B122114	Cu-W-ChelCol-ICPMS-TR	393			UDE-SL1201	12/5/2012	
1245005-16	B122114	Cd-W-ChelCol-ICPMS-TR	394			UDE-SL1201	12/5/2012	
1245005-17	B122114	Pb-W-ChelCol-ICPMS-TR	395			UDE-SL1201	12/5/2012	
1245005-17	B122114	Cu-W-ChelCol-ICPMS-TR	396			UDE-SL1201	12/5/2012	
1245005-17	B122114	Cd-W-ChelCol-ICPMS-TR	397			UDE-SL1201	12/5/2012	
1245005-18	B122114	Pb-W-ChelCol-ICPMS-TR	398			UDE-SL1201	12/5/2012	
1245005-18	B122114	Cu-W-ChelCol-ICPMS-TR	399			UDE-SL1201	12/5/2012	
1245005-18	B122114	Cd-W-ChelCol-ICPMS-TR	400			UDE-SL1201	12/5/2012	
1200959-CCVD	1200959	QC	401	1227096	-			
1200959-CCBD	1200959	QC	402		-			
1245005-19	B122114	Zn-W-ChelCol-ICPMS-Diss	403			UDE-SL1201	1/1/1980	BatchQC
1245005-19	B122114	Pb-W-ChelCol-ICPMS-TR	404			UDE-SL1201	12/5/2012	
1245005-19	B122114	Pb-W-ChelCol-ICPMS-Diss	405			UDE-SL1201	1/1/1980	BatchQC
1245005-19	B122114	Ni-W-ChelCol-ICPMS-Diss	406			UDE-SL1201	1/1/1980	BatchQC
1245005-19	B122114	Fe-W-ChelCol-ICPMS-Diss	407			UDE-SL1201	1/1/1980	BatchQC
1245005-19	B122114	Cu-W-ChelCol-ICPMS-TR	408			UDE-SL1201	12/5/2012	
1245005-19	B122114	Cu-W-ChelCol-ICPMS-Diss	409			UDE-SL1201	1/1/1980	BatchQC
1245005-19	B122114	Cd-W-ChelCol-ICPMS-TR	410			UDE-SL1201	12/5/2012	
B122114-DUP3	B122114	QC	411		1245005-19			
B122114-MS3	B122114	QC	412		1245005-19			
B122114-MSD3	B122114	QC	413		1245005-19			
1245005-20	B122114	Pb-W-ChelCol-ICPMS-TR	414			UDE-SL1201	12/5/2012	
1245005-20	B122114	Cu-W-ChelCol-ICPMS-TR	415			UDE-SL1201	12/5/2012	
1245005-20	B122114	Cd-W-ChelCol-ICPMS-TR	416			UDE-SL1201	12/5/2012	

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Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1245005-21	B122114	Cu-W-ChelCol-ICPMS-TR	417			UDE-SL1201	12/5/2012	
1245005-21	B122114	Cd-W-ChelCol-ICPMS-TR	418			UDE-SL1201	12/5/2012	
1245005-21	B122114	Pb-W-ChelCol-ICPMS-TR	419			UDE-SL1201	12/5/2012	
1245005-22	B122114	Cd-W-ChelCol-ICPMS-TR	420			UDE-SL1201	12/5/2012	
1245005-22	B122114	Pb-W-ChelCol-ICPMS-TR	421			UDE-SL1201	12/5/2012	
1245005-22	B122114	Cu-W-ChelCol-ICPMS-TR	422			UDE-SL1201	12/5/2012	
1245005-23	B122114	Pb-W-ChelCol-ICPMS-TR	423			UDE-SL1201	12/5/2012	
1245005-23	B122114	Cu-W-ChelCol-ICPMS-TR	424			UDE-SL1201	12/5/2012	
1245005-23	B122114	Cd-W-ChelCol-ICPMS-TR	425			UDE-SL1201	12/5/2012	
1245005-24	B122114	Pb-W-ChelCol-ICPMS-TR	426			UDE-SL1201	12/5/2012	
1245005-24	B122114	Cu-W-ChelCol-ICPMS-TR	427			UDE-SL1201	12/5/2012	
1245005-24	B122114	Cd-W-ChelCol-ICPMS-TR	428			UDE-SL1201	12/5/2012	
1245005-25	B122114	Pb-W-ChelCol-ICPMS-TR	429			UDE-SL1201	12/5/2012	
1245005-25	B122114	Cu-W-ChelCol-ICPMS-TR	430			UDE-SL1201	12/5/2012	
1245005-25	B122114	Cd-W-ChelCol-ICPMS-TR	431			UDE-SL1201	12/5/2012	
1200959-CCVE	1200959	QC	432	1227096	-			
1200959-CCBE	1200959	QC	433		-			
1245020-04	B122114	Zn-W-ChelCol-ICPMS-Diss	434			UDE-SL1201	1/1/1980	BatchQC
1245020-04	B122114	Pb-W-ChelCol-ICPMS-TR	435			UDE-SL1201	12/6/2012	
1245020-04	B122114	Pb-W-ChelCol-ICPMS-Diss	436			UDE-SL1201	1/1/1980	BatchQC
1245020-04	B122114	Ni-W-ChelCol-ICPMS-Diss	437			UDE-SL1201	1/1/1980	BatchQC
1245020-04	B122114	Fe-W-ChelCol-ICPMS-Diss	438			UDE-SL1201	1/1/1980	BatchQC
1245020-04	B122114	Cu-W-ChelCol-ICPMS-TR	439			UDE-SL1201	12/6/2012	
1245020-04	B122114	Cu-W-ChelCol-ICPMS-Diss	440			UDE-SL1201	1/1/1980	BatchQC
1245020-04	B122114	Cd-W-ChelCol-ICPMS-TR	441			UDE-SL1201	12/6/2012	
B122114-DUP4	B122114	QC	442		1245020-04			

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Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B122114-MS4	B122114	QC	443		1245020-04			
B122114-MSD4	B122114	QC	444		1245020-04			
1245020-08	B122114	Pb-W-ChelCol-ICPMS-TR	445			UDE-SL1201	12/6/2012	
1245020-08	B122114	Cu-W-ChelCol-ICPMS-TR	446			UDE-SL1201	12/6/2012	
1245020-08	B122114	Cd-W-ChelCol-ICPMS-TR	447			UDE-SL1201	12/6/2012	
1245020-12	B122114	Pb-W-ChelCol-ICPMS-TR	448			UDE-SL1201	12/6/2012	
1245020-12	B122114	Cu-W-ChelCol-ICPMS-TR	449			UDE-SL1201	12/6/2012	
1245020-12	B122114	Cd-W-ChelCol-ICPMS-TR	450			UDE-SL1201	12/6/2012	
1245020-16	B122114	Pb-W-ChelCol-ICPMS-TR	451			UDE-SL1201	12/6/2012	
1245020-16	B122114	Cu-W-ChelCol-ICPMS-TR	452			UDE-SL1201	12/6/2012	
1245020-16	B122114	Cd-W-ChelCol-ICPMS-TR	453			UDE-SL1201	12/6/2012	
1245032-04	B122114	Zn-W-ChelCol-ICPMS-Diss	454			HCl-SE1201	12/3/2012	
1245032-04	B122114	Pb-W-ChelCol-ICPMS-Diss	455			HCl-SE1201	12/3/2012	
1245032-04	B122114	Ni-W-ChelCol-ICPMS-Diss	456			HCl-SE1201	12/3/2012	
1245032-04	B122114	Fe-W-ChelCol-ICPMS-Diss	457			HCl-SE1201	12/3/2012	
1245032-04	B122114	Cu-W-ChelCol-ICPMS-Diss	458			HCl-SE1201	12/3/2012	
1245032-08	B122114	Zn-W-ChelCol-ICPMS-Diss	459			HCl-SE1201	12/3/2012	
1245032-08	B122114	Pb-W-ChelCol-ICPMS-Diss	460			HCl-SE1201	12/3/2012	
1245032-08	B122114	Ni-W-ChelCol-ICPMS-Diss	461			HCl-SE1201	12/3/2012	
1245032-08	B122114	Fe-W-ChelCol-ICPMS-Diss	462			HCl-SE1201	12/3/2012	
1245032-08	B122114	Cu-W-ChelCol-ICPMS-Diss	463			HCl-SE1201	12/3/2012	
1245032-09	B122114	Zn-W-ChelCol-ICPMS-Diss	464			HCl-SE1201	12/3/2012	
1245032-09	B122114	Pb-W-ChelCol-ICPMS-Diss	465			HCl-SE1201	12/3/2012	
1245032-09	B122114	Ni-W-ChelCol-ICPMS-Diss	466			HCl-SE1201	12/3/2012	
1245032-09	B122114	Fe-W-ChelCol-ICPMS-Diss	467			HCl-SE1201	12/3/2012	
1245032-09	B122114	Cu-W-ChelCol-ICPMS-Diss	468			HCl-SE1201	12/3/2012	

ANALYSIS SEQUENCE

Brooks Rand Labs

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Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200959-CCVF	1200959	QC	469	1227096	-			
1200959-CCBF	1200959	QC	470		-			

ICP-MS Analysis Benchsheet

Batch No: B122257, 2114, 2198, 2194**BR-0063**

(BRL procedure for the analysis of samples by EPA Method 1640)

Analyst: CCE, TMU Date: 12/21/2012Instrument ID: ICP-MS2 cHNO3 ID: 1245013 cHCI ID: NACalibration recorded in LIMS Int Std: N/A SEQ: 1200959

A/S #	Batch	Sample ID	Dilution	Comments
1		warm up		
1		warm up		
1		warm up		
1		SEQ-ICB1		
2		SEQ-CAL1		1227100cal point out
3		SEQ-CAL2		1227099 Ni out
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		(For all analytes but Fe) 1245089
434		rinse		
102		SEQ-ICV2		(For Fe only) 1245090
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		slew-3 1245085; 1238006
434		rinse		
160		SEQ-SCV2		cass-5 1245086; 1238005
434		rinse		
5		SEQ-CCV1		1227097
1		SEQ-CCB1		
108	B122194	B122194-BLK1		Column LOD/LOQ
109	B122194	B122194-BLK2		upload into separate seq.
110	B122194	B122194-BLK3		
111	B122194	B122194-BLK4		
112	B122194	B122194-BSD		LOD1
113	B122194	B122194-BSE		LOD2
114	B122194	B122194-BSF		LOD3

116	B122194	B122194-BSA		LOQ2
117	B122194	B122194-BSB		LOQ3
118	B122194	B122194-BSC		LOQ4
434		rinse		
5		SEQ-CCV3		1227097
434		rinse		
1		SEQ-CCB3		
434		rinse		
119	B122257	B122257-BLK1		
434		rinse		
120	B122257	B122257-BLK2		
434		rinse		
121	B122257	B122257-BLK3		
434		rinse		
122	B122257	B122257-BLK4		
434		rinse		
123	B122257	B122257-BS1		
434		rinse		
124	B122257	1248018-03	1000x	
434		rinse		
125	B122257	1248018-04	1000x	
434		rinse		
126	B122257	1248018-01	1000x	
434		rinse		
127	B122257	B122257-DUP1	1000x	1248018-01
434		rinse		
128	B122257	B122257-MS1	1000x	15µL of 1227092 to 5mL
434		rinse		
5		SEQ-CCV4		1227097
434		rinse		
1		SEQ-CCB4		
434		rinse		
129	B122257	B122257-MSD1	1000x	15µL of 1227092 to 5mL
434		rinse		
130	B122257	1248018-02	1000x	
434		rinse		
131	B122257	1248018-05	1000x	
434		rinse		
132	B122257	1248018-06	1000x	
434		rinse		
133	B122257	1248018-07	1000x	
434		rinse		
134	B122257	B122257-DUP2	1000x	1248018-07
434		rinse		
135	B122257	B122257-MS2	1000x	15µL of 1227092 to 5mL
434		rinse		
136	B122257	B122257-MSD2	1000x	15µL of 1227092 to 5mL
434		rinse		
137	B122257	1248018-08	1000x	
434		rinse		
138	B122257	1248018-09	1000x	
434		rinse		

5		SEQ-CCV5		1227097
434		rinse		
1		SEQ-CCB5		
434		rinse		
139	B122257	1248018-10	1000x	
434		rinse		
140	B122257	1248018-11	1000x	
434		rinse		
141	B122257	1248018-12	1000x	
434		rinse		
142	B122257	1248018-01RE1	20x	
434		rinse		
143	B122257	B122257-DUP3	20x	1248018-01RE1
434		rinse		
144	B122257	B122257-MS3	20x	15µL of 1227092 to 5mL
434		rinse		
145	B122257	B122257-MSD3	20x	15µL of 1227092 to 5mL
434		rinse		
146	B122257	1248018-02RE1	20x	
434		rinse		
147	B122257	1248018-05RE1	20x	
434		rinse		
148	B122257	1248018-06RE1	20x	
434		rinse		
5		SEQ-CCV6		1227097
434		rinse		
1		SEQ-CCB6		
434		rinse		
149	B122257	1248018-07RE1	20x	
434		rinse		
150	B122257	B122257-DUP4	20x	1248018-07RE1
434		rinse		
151	B122257	B122257-MS4	20x	15µL of 1227092 to 5mL
434		rinse		
152	B122257	B122257-MSD4	20x	15µL of 1227092 to 5mL
434		rinse		
153	B122257	1248018-08RE1	20x	
434		rinse		
154	B122257	1248018-09RE1	20x	
434		rinse		
155	B122257	1248018-10RE1	20x	
434		rinse		
156	B122257	1248018-11RE1	20x	
434		rinse		
157	B122257	1248018-12RE1	20x	
434		rinse		
5		SEQ-CCV7		1227097
434		rinse		
1		SEQ-CCB7		
434		rinse		
201	B122198	B122198-BLK1		
434		rinse		

202	B122198	B122198-BLK2		
434		rinse		
203	B122198	B122198-BLK3		
434		rinse		
204	B122198	B122198-BLK4		
434		rinse		
205	B122198	B122198-BS1		
434		rinse		
206	B122198	1247017-01		
434		rinse		
207	B122198	B122198-DUP1		1247017-01
434		rinse		
208	B122198	B122198-MS1		15µL of 1227092 to 5mL
434		rinse		
209	B122198	B122198-MSD1		15µL of 1227092 to 5mL
434		rinse		
210	B122198	1247017-02		
434		rinse		
5		SEQ-CCV8		1227097
434		rinse		
1		SEQ-CCB8		
434		rinse		
211	B122198	1247017-03		
434		rinse		
212	B122198	1247017-04		
434		rinse		
213	B122198	1247017-05		
434		rinse		
214	B122198	1247017-06		
434		rinse		
215	B122198	1247017-07		
434		rinse		
216	B122198	1247017-08		
434		rinse		
217	B122198	1247017-09		
434		rinse		
218	B122198	1247017-10		
434		rinse		
219	B122198	1247017-11		
434		rinse		
220	B122198	1247017-12		
434		rinse		
6		SEQ-CCV9		1227096
434		rinse		
1		SEQ-CCB9		
434		rinse		
221	B122198	1247011-04	10x	
434		rinse		
222	B122198	B122198-DUP2	10x	1247011-04
434		rinse		
223	B122198	B122198-MS2	10x	15µL of 1227092 to 5mL
434		rinse		

224	B122198	B122198-MSD2	10x	15µL of 1227092 to 5mL
434		rinse		
6		SEQ-CCVA		1227096
434		rinse		
10		SEQ-CCBA		
434		rinse		
225	B122114	B122114-BLK1		
434		rinse		
226	B122114	B122114-BLK2		
434		rinse		
227	B122114	B122114-BLK3		
434		rinse		
228	B122114	B122114-BLK4		
434		rinse		
229	B122114	B122114-BS1		
434		rinse		
230	B122114	1245032-10		
434		rinse		
231	B122114	1245005-26		
434		rinse		
232	B122114	1245032-01	10x	
434		rinse		
233	B122114	B122114-DUP1	10x	1245032-01
434		rinse		
234	B122114	B122114-MS1	10x	15µL of 1227092 to 5mL
434		rinse		
6		SEQ-CCVB		1227096
434		rinse		
10		SEQ-CCBB		
434		rinse		
235	B122114	B122114-MSD1	10x	15µL of 1227092 to 5mL
434		rinse		
236	B122114	1245032-02	10x	
434		rinse		
237	B122114	1245032-03	10x	
434		rinse		
238	B122114	1245032-05	10x	
434		rinse		
239	B122114	1245032-06	10x	
434		rinse		
240	B122114	1245032-07	10x	
434		rinse		
241	B122114	1245005-09	10x	
434		rinse		
242	B122114	B122114-DUP2	10x	1245005-09
434		rinse		
243	B122114	B122114-MS2	10x	15µL of 1227092 to 5mL
434		rinse		
244	B122114	B122114-MSD2	10x	15µL of 1227092 to 5mL
434		rinse		
6		SEQ-CCVC		1227096
434		rinse		

434		rinse		
10		SEQ-CBC		
245		B122114	1245005-10	10x
434		rinse		
246		B122114	1245005-11	10x
434		rinse		
247		B122114	1245005-12	10x
434		rinse		
248		B122114	1245005-13	10x
434		rinse		
249		B122114	1245005-14	10x
434		rinse		
250		B122114	1245005-15	10x
434		rinse		
251		B122114	1245005-16	10x
434		rinse		
252		B122114	1245005-17	10x
434		rinse		
253		B122114	1245005-18	10x
434		rinse		
6		SEQ-CVD		
434		rinse		
10		SEQ-CBD		
434		rinse		
254		B122114	1245005-19	10x
434		rinse		
255		B122114	122114-DUP3	10x
434		rinse		
256		B122114	122114-MS3	10x
434		rinse		
257		B122114	122114-MSD3	10x
434		rinse		
258		B122114	1245005-20	10x
434		rinse		
259		B122114	1245005-21	10x
434		rinse		
260		B122114	1245005-22	10x
434		rinse		
301		B122114	1245005-23	10x
434		rinse		
302		B122114	1245005-24	10x
434		rinse		
303		B122114	1245005-25	10x
434		rinse		
6		SEQ-CVE		
434		rinse		
10		SEQ-CBE		
434		rinse		
304		B122114	1245020-04	10x
434		rinse		
305		B122114	122114-DUP4	10x
434		rinse		
1245020-04				

306	B122114	B122114-MS4	10x	15µL of 1227092 to 5mL
434		rinse		
307	B122114	B122114-MSD4	10x	15µL of 1227092 to 5mL
434		rinse		
308	B122114	1245020-08	10x	
434		rinse		
309	B122114	1245020-12	10x	
434		rinse		
310	B122114	1245020-16	10x	
434		rinse		
311	B122114	1245032-04	10x	
434		rinse		
312	B122114	1245032-08	10x	
434		rinse		
313	B122114	1245032-09	10x	
434		rinse		
6		SEQ-CCVF		1227096
434		rinse		
10		SEQ-CCBF		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		

Batch #(s): B122117, 2116

Page 1 of 1

Workorder #(s): 1245032, 5005, 5020

Preparation Date and Time*: ~~11/20/12~~ 11/20/12 1155

Prepared By: CCE

Date and Time of Finished Preparation: 11/21/12 0855

* Time is when the first reagents are added.

Sample ID	Sample Vol.(mL)	Acid Added (mL)
BLK1	125	1.25
BLK2	↓	↓
BLK3	↓	↓
BLK4	↓	↓
BS1	↓	↓
1245032-01	125	0.0
-02	↓	↓
-03	↓	↓
-04	↓	↓
-05	↓	↓
-06	↓	↓
-07	↓	↓
-08	↓	↓
-09	↓	↓
-10	↓	↓
1245005-09	↓	↓
-10	↓	↓
-11	↓	↓
-12	↓	↓
-13	↓	↓
-14	↓	↓

Sample ID	Sample Vol.(mL)	Acid Added (mL)
1245005-15	125	0.0
-16	↓	↓
-17	↓	↓
-18	↓	↓
-19	↓	↓
-20	↓	↓
-21	↓	↓
-22	↓	↓
-23	↓	↓
-24	↓	↓
-25	↓	↓
-26	↓	↓
1245020-04	250	↓
-08	↓	↓
-12	↓	↓
-16	↓	↓
11/20/12		

Balance ID: B1-01
 Oven ID: OV-05
 HNO₃ ID: 1241059
 Bottle lot #: 12-266

circle 125mL or 250mL	standard	mL to add to 125mL bottle	mL to add to 250mL bottle	LIMS ID
	ML-1	2.5	5	1240040
	0.02 ppm Ag	2.5	5	
	0.02 ppm Sb	2.5	5	
	1 ppm Y	1.25		
	1 ppm W	0.125	0.25	

Spike Witness Initials/Date:

JWR
11/20/12

Target Oven Temperature: 85°C
 Time/Temp* In: M: 79°C C: 78°C 1235 11/20/12
 Time/Temp* Out: M: 83°C C: 80°C 0855 11/21/12
 Thermometer ID: TM-01

* Both measured and corrected temperatures must be recorded.

Comments: 0: pre-preserved w/ 11-HNO₃.

Sample Information

Report Title: QUANTITATIVE ANALYSIS REPORT

Batch ID:

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\Sample.005

Tuning File: C:\Elandata\Tuning\Default.tun

Optimization File: C:\Elandata\Optimize\Default.dac

Blank File:

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Calibration Type: External Calibration

Calibration

Analyte	MassCurve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
V-Precon	51Weighted Linear	43.075	-45.241	0.999982	
Fe-Precon	54Weighted Linear	5.480	50.778	0.999588	
Fe-Precon	56Weighted Linear	107.118	868.935	0.997184	
Fe-Precon	57Weighted Linear	2.671	43.485	0.999185	
Co-Precon	59Weighted Linear	141.366	-45.444	0.999754	
Ni-Precon	60Weighted Linear	22.825	33.575	0.999989	
Cu-Precon	63Weighted Linear	55.504	21.321	0.999733	
Cu-Precon	65Weighted Linear	26.131	1.944	0.999948	
Zn-Precon	66Weighted Linear	18.074	-20.552	0.999985	
Zn-Precon	68Weighted Linear	11.885	11.800	0.999950	
Cd-Precon	111Weighted Linear	19.923	-3.015	0.999656	
Cd-Precon	114Weighted Linear	51.331	17.200	0.999963	
Pb-Precon	208Weighted Linear	305.139	-808.994	0.995536	
Tb-Precon	159Linear Thru Zero				

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB1

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 19:17:47

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51		315					ng/L
Fe-Precon	54		133					ng/L
Fe-Precon	56		2555					ng/L
Fe-Precon	57		80					ng/L
Co-Precon	59		33					ng/L
Ni-Precon	60		27					ng/L
Cu-Precon	63		311					ng/L
Cu-Precon	65		146					ng/L
Zn-Precon	66		221					ng/L
Zn-Precon	68		151					ng/L
Cd-Precon	111		4					ng/L
Cd-Precon	114		12					ng/L
Pb-Precon	208		1281					ng/L
Tb-Precon	159		12					mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL1

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 19:28:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 2

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CAL1.022

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	5402			5087.215192	119.1508	ng/L
Fe-Precon	54	133	1420			1286.535575	225.4870	ng/L
Fe-Precon	56	2555	26795			24239.947502	218.1807	ng/L
Fe-Precon	57	80	707			627.605901	218.6814	ng/L
Co-Precon	59	33	6866			6832.312361	48.6523	ng/L
Ni-Precon	60	27	1160			1133.072156	48.1717	ng/L
Cu-Precon	63	311	2932			2620.924430	46.8366	ng/L
Cu-Precon	65	146	1402			1255.838075	47.9850	ng/L
Zn-Precon	66	221	4458			4236.817690	235.5465	ng/L
Zn-Precon	68	151	2961			2810.594325	235.4831	ng/L
Cd-Precon	111	4	951			947.262544	47.6982	ng/L
Cd-Precon	114	12	2565			2553.376623	49.4082	ng/L
Pb-Precon	208	1281	15033			13751.949239	47.7190	ng/L
Tb-Precon	159	12	11			-0.754978		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL2

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 19:38:45

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 3

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CAL2.023

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2432			2116.600885	50.1875	ng/L
Fe-Precon	54	133	733			600.048744	100.2247	ng/L
Fe-Precon	56	2555	14291			11736.249368	101.4521	ng/L
Fe-Precon	57	80	396			315.994648	102.0214	ng/L
Co-Precon	59	33	2820			2786.594805	20.0334	ng/L
Ni-Precon	60	27	1056			1029.079008	43.6155	ng/L
Cu-Precon	63	311	1426			1115.234126	19.7088	ng/L
Cu-Precon	65	146	669			522.362051	19.9157	ng/L
Zn-Precon	66	221	2004			1782.381570	99.7505	ng/L
Zn-Precon	68	151	1346			1195.158686	99.5646	ng/L
Cd-Precon	111	4	393			388.768416	19.6652	ng/L
Cd-Precon	114	12	1054			1041.857727	19.9617	ng/L
Pb-Precon	208	1281	6665			5383.722635	20.2947	ng/L
Tb-Precon	159	12	9			-2.503898		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL3

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 19:49:13

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 4

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CAL3.024

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	5608			5293.385413	123.9371	ng/L
Fe-Precon	54	133	1555			1421.916546	250.1898	ng/L
Fe-Precon	56	2555	29746			27190.671437	245.7273	ng/L
Fe-Precon	57	80	759			679.326501	238.0444	ng/L
Co-Precon	59	33	7045			7011.609470	49.9206	ng/L
Ni-Precon	60	27	1203			1175.907925	50.0484	ng/L
Cu-Precon	63	311	3211			2900.595231	51.8753	ng/L
Cu-Precon	65	146	1467			1321.109960	50.4828	ng/L
Zn-Precon	66	221	4740			4518.183727	251.1136	ng/L
Zn-Precon	68	151	3163			3012.452265	252.4669	ng/L
Cd-Precon	111	4	1042			1037.647075	52.2350	ng/L
Cd-Precon	114	12	2600			2588.189238	50.0864	ng/L
Pb-Precon	208	1281	15522			14241.251946	49.3226	ng/L
Tb-Precon	159	12	8			-3.733339		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL4

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 19:59:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CAL4.025

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	11008			10693.074558	249.2917	ng/L
Fe-Precon	54	133	2906			2772.352002	496.6018	ng/L
Fe-Precon	56	2555	55554			52999.300662	486.6645	ng/L
Fe-Precon	57	80	1455			1375.395182	498.6362	ng/L
Co-Precon	59	33	14098			14064.801528	99.8138	ng/L
Ni-Precon	60	27	2336			2309.386094	99.7089	ng/L
Cu-Precon	63	311	5893			5582.533461	100.1953	ng/L
Cu-Precon	65	146	2773			2626.263598	100.4295	ng/L
Zn-Precon	66	221	9278			9056.839241	502.2227	ng/L
Zn-Precon	68	151	6109			5958.751076	500.3605	ng/L
Cd-Precon	111	4	1985			1981.249591	99.5982	ng/L
Cd-Precon	114	12	5186			5173.992091	100.4613	ng/L
Pb-Precon	208	1281	29988			28707.694178	96.7319	ng/L
Tb-Precon	159	12	7			-5.070139		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL5

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 20:10:11

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CAL5.026

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	54403			54087.740603	1256.7059	ng/L
Fe-Precon	54	133	13514			13380.406791	2432.2384	ng/L
Fe-Precon	56	2555	258370			255815.093583	2380.0569	ng/L
Fe-Precon	57	80	6712			6632.103128	2466.6247	ng/L
Co-Precon	59	33	70121			70087.449889	496.1100	ng/L
Ni-Precon	60	27	11546			11518.651551	503.1896	ng/L
Cu-Precon	63	311	27626			27314.865369	491.7427	ng/L
Cu-Precon	65	146	13101			12954.738054	495.6874	ng/L
Zn-Precon	66	221	45353			45131.835089	2498.1357	ng/L
Zn-Precon	68	151	30151			29999.840511	2523.1133	ng/L
Cd-Precon	111	4	9923			9918.513176	498.0012	ng/L
Cd-Precon	114	12	25938			25926.621299	504.7507	ng/L
Pb-Precon	208	1281	145858			144577.231856	476.4587	ng/L
Tb-Precon	159	12	10			-2.188747		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL6

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 20:20:39

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 7

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CAL6.027

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	107920			107604.541689	2499.1071	ng/L
Fe-Precon	54	133	27190			27056.891575	4927.7671	ng/L
Fe-Precon	56	2555	514230			511674.946895	4768.6436	ng/L
Fe-Precon	57	80	13328			13248.443285	4943.6278	ng/L
Co-Precon	59	33	137899			137865.258591	975.5604	ng/L
Ni-Precon	60	27	22824			22797.115739	997.3269	ng/L
Cu-Precon	63	311	55347			55036.651098	991.2010	ng/L
Cu-Precon	65	146	26019			25872.267796	990.0253	ng/L
Zn-Precon	66	221	89878			89656.312095	4961.5311	ng/L
Zn-Precon	68	151	59420			59269.324775	4985.7693	ng/L
Cd-Precon	111	4	19805			19800.996252	994.0426	ng/L
Cd-Precon	114	12	51284			51272.299000	998.5188	ng/L
Pb-Precon	208	1281	282505			281224.548210	924.2784	ng/L
Tb-Precon	159	12	11			-0.806927		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL7

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 20:31:08

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 8

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CAL7.028

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	540100			539784.466584	12532.2338	ng/L
Fe-Precon	54	133	143406			143272.851237	26133.5273	ng/L
Fe-Precon	56	2555	3012063			3009507.947707	28087.2326	ng/L
Fe-Precon	57	80	70571			70491.291928	26374.0119	ng/L
Co-Precon	59	33	730847			730813.484478	5169.9904	ng/L
Ni-Precon	60	27	113982			113955.028511	4991.1800	ng/L
Cu-Precon	63	311	277965			277654.110368	5002.0586	ng/L
Cu-Precon	65	146	131961			131814.541652	5044.3052	ng/L
Zn-Precon	66	221	452981			452759.825989	25050.8754	ng/L
Zn-Precon	68	151	293542			293391.082626	24684.1462	ng/L
Cd-Precon	111	4	98222			98217.334999	4930.0727	ng/L
Cd-Precon	114	12	253490			253478.476792	4937.7694	ng/L
Pb-Precon	208	1281	1761579			1760298.594525	5771.4895	ng/L
Tb-Precon	159	12	8			-3.580959		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB2

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 20:41:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB2.029

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	17272			16956.828350	394.7058	ng/L
Fe-Precon	54	133	2959			2825.812436	506.3567	ng/L
Fe-Precon	56	2555	57060			54505.055968	500.7215	ng/L
Fe-Precon	57	80	1482			1402.515535	508.7894	ng/L
Co-Precon	59	33	1815			1781.767022	12.9254	ng/L
Ni-Precon	60	27	739			711.633163	29.7074	ng/L
Cu-Precon	63	311	6813			6502.504270	116.7703	ng/L
Cu-Precon	65	146	3175			3028.622502	115.8272	ng/L
Zn-Precon	66	221	1664			1442.639683	80.9537	ng/L
Zn-Precon	68	151	1060			909.119806	75.4981	ng/L
Cd-Precon	111	4	189			184.987195	9.4366	ng/L
Cd-Precon	114	12	470			458.250529	8.5923	ng/L
Pb-Precon	208	1281	4453			3172.237714	13.0473	ng/L
Tb-Precon	159	12	9			-2.330737		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 20:52:10

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.030

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2778			2462.721016	58.2227	ng/L
Fe-Precon	54	133	2611			2478.114929	442.9128	ng/L
Fe-Precon	56	2555	50568			48012.689342	440.1118	ng/L
Fe-Precon	57	80	1302			1222.147147	441.2637	ng/L
Co-Precon	59	33	31			-2.355038	0.3048	ng/L
Ni-Precon	60	27	89			61.867447	1.2396	ng/L
Cu-Precon	63	311	1360			1049.633526	18.5269	ng/L
Cu-Precon	65	146	648			501.499397	19.1174	ng/L
Zn-Precon	66	221	121			-100.099817	-4.4011	ng/L
Zn-Precon	68	151	86			-64.701901	-6.4366	ng/L
Cd-Precon	111	4	4			0.205013	0.1616	ng/L
Cd-Precon	114	12	13			0.875070	-0.3180	ng/L
Pb-Precon	208	1281	698			-583.168417	0.7401	ng/L
Tb-Precon	159	12	8			-3.227710		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICV1

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 21:02:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 101

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICV1.031

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	24526			24211.223266	563.1177	ng/L
Fe-Precon	54	133	138918			138784.982548	25314.6323	ng/L
Fe-Precon	56	2555	2913615			2911059.852453	27168.1677	ng/L
Fe-Precon	57	80	68364			68284.612801	25547.8828	ng/L
Co-Precon	59	33	36537			36503.828679	258.5443	ng/L
Ni-Precon	60	27	11700			11673.332649	509.9665	ng/L
Cu-Precon	63	311	29306			28995.526905	522.0229	ng/L
Cu-Precon	65	146	13514			13367.772255	511.4937	ng/L
Zn-Precon	66	221	10440			10218.441566	566.4904	ng/L
Zn-Precon	68	151	6801			6650.243466	558.5409	ng/L
Cd-Precon	111	4	1088			1083.631462	54.5431	ng/L
Cd-Precon	114	12	2913			2901.267418	56.1855	ng/L
Pb-Precon	208	1281	76704			75423.134526	249.8274	ng/L
Tb-Precon	159	12	18			6.420801		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Friday, December 21, 2012 21:13:13

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.032

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	1321			1006.256558	24.4107	ng/L
Fe-Precon	54	133	4037			3903.224800	702.9506	ng/L
Fe-Precon	56	2555	77633			75077.735516	692.7783	ng/L
Fe-Precon	57	80	2028			1947.993533	713.0036	ng/L
Co-Precon	59	33	23			-10.503991	0.2472	ng/L
Ni-Precon	60	27	53			26.022743	-0.3309	ng/L
Cu-Precon	63	311	656			345.707895	5.8444	ng/L
Cu-Precon	65	146	299			153.172733	5.7873	ng/L
Zn-Precon	66	221	105			-115.964865	-5.2789	ng/L
Zn-Precon	68	151	88			-62.724303	-6.2703	ng/L
Cd-Precon	111	4	1			-3.691166	-0.0339	ng/L
Cd-Precon	114	12	14			2.288394	-0.2905	ng/L
Pb-Precon	208	1281	631			-649.796718	0.5217	ng/L
Tb-Precon	159	12	7			-4.709965		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICV2

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 21:23:45

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 102

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICV2.033

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	3714			3398.672380	79.9510	ng/L
Fe-Precon	54	133	13843			13709.773289	2492.3375	ng/L
Fe-Precon	56	2555	264392			261836.813334	2436.2728	ng/L
Fe-Precon	57	80	6822			6741.915650	2507.7360	ng/L
Co-Precon	59	33	3734			3700.970805	26.5016	ng/L
Ni-Precon	60	27	1188			1161.145026	49.4016	ng/L
Cu-Precon	63	311	3333			3022.119161	54.0648	ng/L
Cu-Precon	65	146	1525			1379.069061	52.7009	ng/L
Zn-Precon	66	221	1549			1327.717345	74.5954	ng/L
Zn-Precon	68	151	1026			875.514589	72.6706	ng/L
Cd-Precon	111	4	97			93.063432	4.8226	ng/L
Cd-Precon	114	12	301			289.294297	5.3008	ng/L
Pb-Precon	208	1281	8353			7071.847305	25.8270	ng/L
Tb-Precon	159	12	8			-3.501306		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Friday, December 21, 2012 21:34:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.034

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	667			352.200320	9.2267	ng/L
Fe-Precon	54	133	855			721.444543	122.3757	ng/L
Fe-Precon	56	2555	17056			14500.733533	127.2600	ng/L
Fe-Precon	57	80	472			392.674099	130.7284	ng/L
Co-Precon	59	33	23			-10.538626	0.2469	ng/L
Ni-Precon	60	27	27			0.315153	-1.4572	ng/L
Cu-Precon	63	311	375			64.281553	0.7740	ng/L
Cu-Precon	65	146	192			45.468475	1.6656	ng/L
Zn-Precon	66	221	106			-115.379561	-5.2465	ng/L
Zn-Precon	68	151	89			-61.661109	-6.1808	ng/L
Cd-Precon	111	4	2			-2.563038	0.0227	ng/L
Cd-Precon	114	12	6			-5.697755	-0.4461	ng/L
Pb-Precon	208	1281	562			-718.689631	0.2959	ng/L
Tb-Precon	159	12	5			-6.524687		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB3
Sample Description:
Batch ID:

Sample Date/Time: Friday, December 21, 2012 21:44:48

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB3.035

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	847			531.594320	13.3913	ng/L
Fe-Precon	54	133	288			154.254696	18.8813	ng/L
Fe-Precon	56	2555	5161			2605.959015	16.2160	ng/L
Fe-Precon	57	80	143			63.488856	7.4892	ng/L
Co-Precon	59	33	32			-1.357616	0.3119	ng/L
Ni-Precon	60	27	28			0.488325	-1.4496	ng/L
Cu-Precon	63	311	262			-48.390921	-1.2560	ng/L
Cu-Precon	65	146	122			-24.358436	-1.0066	ng/L
Zn-Precon	66	221	306			84.595891	5.8175	ng/L
Zn-Precon	68	151	219			68.527403	4.7729	ng/L
Cd-Precon	111	4	3			-0.713833	0.1155	ng/L
Cd-Precon	114	12	8			-3.519742	-0.4037	ng/L
Pb-Precon	208	1281	906			-375.081883	1.4220	ng/L
Tb-Precon	159	12	8			-3.584422		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 21:55:20

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.036

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	391			76.231450	2.8200	ng/L
Fe-Precon	54	133	260			127.101889	13.9268	ng/L
Fe-Precon	56	2555	5016			2461.313166	14.8657	ng/L
Fe-Precon	57	80	149			69.521978	9.7478	ng/L
Co-Precon	59	33	20			-13.104872	0.2288	ng/L
Ni-Precon	60	27	16			-11.515194	-1.9755	ng/L
Cu-Precon	63	311	302			-8.343019	-0.5345	ng/L
Cu-Precon	65	146	135			-11.038991	-0.4969	ng/L
Zn-Precon	66	221	87			-134.070880	-6.2806	ng/L
Zn-Precon	68	151	74			-76.532361	-7.4320	ng/L
Cd-Precon	111	4	2			-1.772825	0.0623	ng/L
Cd-Precon	114	12	6			-5.495604	-0.4421	ng/L
Pb-Precon	208	1281	528			-752.798192	0.1842	ng/L
Tb-Precon	159	12	5			-6.306504		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL1

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 22:05:51

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 103

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-IBL1.037

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	615			300.105384	8.0173	ng/L
Fe-Precon	54	133	1679			1545.322369	272.7075	ng/L
Fe-Precon	56	2555	32236			29680.935592	268.9752	ng/L
Fe-Precon	57	80	845			765.631006	270.3548	ng/L
Co-Precon	59	33	207			173.883109	1.5515	ng/L
Ni-Precon	60	27	1278			1251.352621	53.3539	ng/L
Cu-Precon	63	311	13258			12947.024138	232.8800	ng/L
Cu-Precon	65	146	6110			5963.701412	228.1491	ng/L
Zn-Precon	66	221	79497			79275.972318	4387.2205	ng/L
Zn-Precon	68	151	53196			53045.275485	4462.0945	ng/L
Cd-Precon	111	4	24			19.633220	1.1368	ng/L
Cd-Precon	114	12	84			72.408677	1.0755	ng/L
Pb-Precon	208	1281	3629			2348.509180	10.3477	ng/L
Tb-Precon	159	12	14			1.974033		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 22:16:23

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.038

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	299			-16.244387	0.6732	ng/L
Fe-Precon	54	133	268			134.537674	15.2836	ng/L
Fe-Precon	56	2555	5033			2478.231165	15.0236	ng/L
Fe-Precon	57	80	157			77.889362	12.8804	ng/L
Co-Precon	59	33	16			-17.555104	0.1973	ng/L
Ni-Precon	60	27	18			-8.623415	-1.8488	ng/L
Cu-Precon	63	311	345			34.336591	0.2345	ng/L
Cu-Precon	65	146	164			17.328669	0.5887	ng/L
Zn-Precon	66	221	105			-116.480920	-5.3075	ng/L
Zn-Precon	68	151	78			-72.542662	-7.0963	ng/L
Cd-Precon	111	4	2			-2.501462	0.0258	ng/L
Cd-Precon	114	12	7			-5.159951	-0.4356	ng/L
Pb-Precon	208	1281	490			-790.539034	0.0605	ng/L
Tb-Precon	159	12	4			-8.207806		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL2

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 22:26:54

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 104

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-IBL2.039

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	414			98.685583	3.3413	ng/L
Fe-Precon	54	133	121			-12.208053	-11.4929	ng/L
Fe-Precon	56	2555	2260			-295.278412	-10.8685	ng/L
Fe-Precon	57	80	81			1.281433	-15.7999	ng/L
Co-Precon	59	33	28			-4.883158	0.2869	ng/L
Ni-Precon	60	27	36			9.077124	-1.0733	ng/L
Cu-Precon	63	311	170			-140.255301	-2.9111	ng/L
Cu-Precon	65	146	80			-65.990812	-2.5998	ng/L
Zn-Precon	66	221	266			44.464513	3.5971	ng/L
Zn-Precon	68	151	185			33.782203	1.8495	ng/L
Cd-Precon	111	4	2			-2.617293	0.0200	ng/L
Cd-Precon	114	12	5			-6.542325	-0.4625	ng/L
Pb-Precon	208	1281	562			-718.923226	0.2952	ng/L
Tb-Precon	159	12	4			-7.961918		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Friday, December 21, 2012 22:37:25

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.040

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	236			-78.696591	-0.7767	ng/L
Fe-Precon	54	133	189			55.458444	0.8541	ng/L
Fe-Precon	56	2555	3601			1045.853716	1.6516	ng/L
Fe-Precon	57	80	116			36.804155	-2.5010	ng/L
Co-Precon	59	33	14			-19.435633	0.1840	ng/L
Ni-Precon	60	27	13			-14.406979	-2.1022	ng/L
Cu-Precon	63	311	277			-33.934410	-0.9955	ng/L
Cu-Precon	65	146	122			-24.705094	-1.0198	ng/L
Zn-Precon	66	221	83			-138.126344	-6.5050	ng/L
Zn-Precon	68	151	71			-80.037052	-7.7269	ng/L
Cd-Precon	111	4	1			-3.061279	-0.0023	ng/L
Cd-Precon	114	12	6			-5.613816	-0.4444	ng/L
Pb-Precon	208	1281	479			-801.726851	0.0238	ng/L
Tb-Precon	159	12	6			-5.537673		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL3

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 22:47:57

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 105

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-IBL3.041

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	315			-0.325333	1.0427	ng/L
Fe-Precon	54	133	120			-13.704214	-11.7659	ng/L
Fe-Precon	56	2555	2192			-362.585890	-11.4969	ng/L
Fe-Precon	57	80	80			0.602624	-16.0540	ng/L
Co-Precon	59	33	34			0.931582	0.3281	ng/L
Ni-Precon	60	27	22			-5.478808	-1.7110	ng/L
Cu-Precon	63	311	162			-148.477279	-3.0592	ng/L
Cu-Precon	65	146	81			-64.875630	-2.5571	ng/L
Zn-Precon	66	221	459			237.966753	14.3030	ng/L
Zn-Precon	68	151	324			173.126028	13.5736	ng/L
Cd-Precon	111	4	5			0.537003	0.1783	ng/L
Cd-Precon	114	12	12			0.403593	-0.3272	ng/L
Pb-Precon	208	1281	592			-688.853758	0.3937	ng/L
Tb-Precon	159	12	4			-7.761052		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 22:58:28

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.042

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	180			-135.239713	-2.0893	ng/L
Fe-Precon	54	133	147			14.147761	-6.6838	ng/L
Fe-Precon	56	2555	2852			297.014164	-5.3392	ng/L
Fe-Precon	57	80	95			15.834026	-10.3517	ng/L
Co-Precon	59	33	16			-17.336920	0.1988	ng/L
Ni-Precon	60	27	16			-10.999182	-1.9529	ng/L
Cu-Precon	63	311	235			-76.146030	-1.7560	ng/L
Cu-Precon	65	146	107			-39.098734	-1.5707	ng/L
Zn-Precon	66	221	83			-138.237109	-6.5111	ng/L
Zn-Precon	68	151	69			-81.259684	-7.8298	ng/L
Cd-Precon	111	4	2			-1.793859	0.0613	ng/L
Cd-Precon	114	12	7			-5.162102	-0.4356	ng/L
Pb-Precon	208	1281	460			-820.488152	-0.0377	ng/L
Tb-Precon	159	12	4			-8.124689		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL4

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 23:08:59

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 106

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-IBL4.043

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	253			-62.241748	-0.3947	ng/L
Fe-Precon	54	133	120			-13.267879	-11.6863	ng/L
Fe-Precon	56	2555	2239			-316.097421	-11.0629	ng/L
Fe-Precon	57	80	79			-0.329036	-16.4028	ng/L
Co-Precon	59	33	26			-7.456357	0.2687	ng/L
Ni-Precon	60	27	20			-6.829466	-1.7702	ng/L
Cu-Precon	63	311	181			-129.293557	-2.7136	ng/L
Cu-Precon	65	146	82			-64.532780	-2.5440	ng/L
Zn-Precon	66	221	163			-58.913012	-2.1224	ng/L
Zn-Precon	68	151	121			-30.176067	-3.5317	ng/L
Cd-Precon	111	4	1			-3.198036	-0.0092	ng/L
Cd-Precon	114	12	6			-5.671673	-0.4456	ng/L
Pb-Precon	208	1281	517			-764.080112	0.1472	ng/L
Tb-Precon	159	12	5			-6.770574		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 23:19:30

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.044

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	137			-178.604066	-3.0960	ng/L
Fe-Precon	54	133	140			6.916226	-8.0033	ng/L
Fe-Precon	56	2555	2777			222.196835	-6.0376	ng/L
Fe-Precon	57	80	89			9.284966	-12.8035	ng/L
Co-Precon	59	33	15			-17.877187	0.1950	ng/L
Ni-Precon	60	27	14			-12.765418	-2.0303	ng/L
Cu-Precon	63	311	227			-83.994048	-1.8974	ng/L
Cu-Precon	65	146	102			-44.013057	-1.7587	ng/L
Zn-Precon	66	221	81			-140.038114	-6.6108	ng/L
Zn-Precon	68	151	68			-82.291692	-7.9166	ng/L
Cd-Precon	111	4	2			-1.938203	0.0540	ng/L
Cd-Precon	114	12	6			-5.397339	-0.4402	ng/L
Pb-Precon	208	1281	425			-855.826012	-0.1535	ng/L
Tb-Precon	159	12	6			-6.202608		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV1

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 23:30:02

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 107

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-SCV1.045

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	121483			121167.410678	2813.9713	ng/L
Fe-Precon	54	133	3957			3823.815200	688.4608	ng/L
Fe-Precon	56	2555	86100			83544.771057	771.8225	ng/L
Fe-Precon	57	80	7814			7734.523013	2879.3450	ng/L
Co-Precon	59	33	6775			6741.645555	48.0109	ng/L
Ni-Precon	60	27	31994			31967.352986	1399.0976	ng/L
Cu-Precon	63	311	89483			89172.271458	1606.2162	ng/L
Cu-Precon	65	146	42394			42247.480076	1616.6844	ng/L
Zn-Precon	66	221	3971			3750.020396	208.6136	ng/L
Zn-Precon	68	151	2242			2091.712335	174.9983	ng/L
Cd-Precon	111	4	929			924.660438	46.5637	ng/L
Cd-Precon	114	12	2491			2479.115490	47.9614	ng/L
Pb-Precon	208	1281	2601			1320.504940	6.9788	ng/L
Tb-Precon	159	12	841			829.288311		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Friday, December 21, 2012 23:40:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.046

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	771			455.663830	11.6286	ng/L
Fe-Precon	54	133	171			37.861062	-2.3568	ng/L
Fe-Precon	56	2555	3565			1009.910491	1.3161	ng/L
Fe-Precon	57	80	122			42.244879	-0.4641	ng/L
Co-Precon	59	33	13			-20.363776	0.1774	ng/L
Ni-Precon	60	27	107			79.987318	2.0335	ng/L
Cu-Precon	63	311	1047			736.545124	12.8861	ng/L
Cu-Precon	65	146	487			340.327293	12.9495	ng/L
Zn-Precon	66	221	88			-133.655359	-6.2577	ng/L
Zn-Precon	68	151	65			-86.177435	-8.2435	ng/L
Cd-Precon	111	4	-2			-6.068918	-0.1533	ng/L
Cd-Precon	114	12	-3			-14.898203	-0.6253	ng/L
Pb-Precon	208	1281	417			-863.785082	-0.1796	ng/L
Tb-Precon	159	12	30			17.911797		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV2

Sample Description:

Batch ID:

Sample Date/Time: Friday, December 21, 2012 23:51:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 160

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-SCV2.047

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	53982			53666.979582	1246.9379	ng/L
Fe-Precon	54	133	7377			7244.076471	1312.5510	ng/L
Fe-Precon	56	2555	163318			160762.872245	1492.6943	ng/L
Fe-Precon	57	80	15794			15714.536552	5866.8755	ng/L
Co-Precon	59	33	13087			13053.209772	92.6580	ng/L
Ni-Precon	60	27	9171			9144.218952	399.1598	ng/L
Cu-Precon	63	311	20053			19742.061631	355.3049	ng/L
Cu-Precon	65	146	9578			9431.984227	360.8760	ng/L
Zn-Precon	66	221	14094			13873.052517	768.6882	ng/L
Zn-Precon	68	151	9272			9121.614055	766.4753	ng/L
Cd-Precon	111	4	319			314.626682	15.9437	ng/L
Cd-Precon	114	12	892			880.600806	16.8202	ng/L
Pb-Precon	208	1281	3132			1851.547275	8.7191	ng/L
Tb-Precon	159	12	1119			1107.133389		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 00:01:33

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.048

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	439			123.860904	3.9257	ng/L
Fe-Precon	54	133	489			355.869572	55.6697	ng/L
Fe-Precon	56	2555	9012			6457.108387	52.1685	ng/L
Fe-Precon	57	80	272			192.003332	55.6020	ng/L
Co-Precon	59	33	18			-15.213974	0.2138	ng/L
Ni-Precon	60	27	42			14.542102	-0.8339	ng/L
Cu-Precon	63	311	511			200.208806	3.2230	ng/L
Cu-Precon	65	146	223			76.902057	2.8685	ng/L
Zn-Precon	66	221	85			-136.896876	-6.4370	ng/L
Zn-Precon	68	151	70			-80.414598	-7.7587	ng/L
Cd-Precon	111	4	-5			-9.380471	-0.3195	ng/L
Cd-Precon	114	12	-6			-17.966835	-0.6851	ng/L
Pb-Precon	208	1281	416			-864.467818	-0.1818	ng/L
Tb-Precon	159	12	62			50.483621		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV1

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 00:12:05

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCV1.049

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	10428			10112.687413	235.8179	ng/L
Fe-Precon	54	133	2606			2472.442885	441.8778	ng/L
Fe-Precon	56	2555	50168			47612.933826	436.3799	ng/L
Fe-Precon	57	80	1336			1256.834357	454.2498	ng/L
Co-Precon	59	33	14242			14208.439455	100.8299	ng/L
Ni-Precon	60	27	2260			2232.862539	96.3562	ng/L
Cu-Precon	63	311	5924			5613.514841	100.7535	ng/L
Cu-Precon	65	146	2770			2623.656783	100.3297	ng/L
Zn-Precon	66	221	9595			9373.542861	519.7449	ng/L
Zn-Precon	68	151	6382			6231.492528	523.3083	ng/L
Cd-Precon	111	4	2015			2011.182424	101.1006	ng/L
Cd-Precon	114	12	5302			5290.181116	102.7248	ng/L
Pb-Precon	208	1281	29854			28573.515557	96.2922	ng/L
Tb-Precon	159	12	39			27.369880		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 00:22:36

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.050

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	230			-84.740144	-0.9170	ng/L
Fe-Precon	54	133	233			99.845241	8.9533	ng/L
Fe-Precon	56	2555	4278			1723.218640	7.9752	ng/L
Fe-Precon	57	80	123			43.235573	-0.0932	ng/L
Co-Precon	59	33	15			-18.587143	0.1900	ng/L
Ni-Precon	60	27	22			-4.782697	-1.6805	ng/L
Cu-Precon	63	311	282			-28.926214	-0.9053	ng/L
Cu-Precon	65	146	134			-12.327466	-0.5462	ng/L
Zn-Precon	66	221	81			-140.290739	-6.6248	ng/L
Zn-Precon	68	151	63			-87.545423	-8.3586	ng/L
Cd-Precon	111	4	0			-3.852611	-0.0420	ng/L
Cd-Precon	114	12	5			-6.470584	-0.4611	ng/L
Pb-Precon	208	1281	396			-884.479372	-0.2474	ng/L
Tb-Precon	159	12	9			-2.507364		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB1

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 00:33:08

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCB1.051

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	224			-91.105717	-1.0648	ng/L
Fe-Precon	54	133	124			-9.610612	-11.0189	ng/L
Fe-Precon	56	2555	2416			-139.076137	-9.4103	ng/L
Fe-Precon	57	80	80			0.076168	-16.2511	ng/L
Co-Precon	59	33	25			-8.017391	0.2648	ng/L
Ni-Precon	60	27	22			-4.713435	-1.6775	ng/L
Cu-Precon	63	311	203			-108.156622	-2.3328	ng/L
Cu-Precon	65	146	97			-49.034465	-1.9509	ng/L
Zn-Precon	66	221	173			-48.588158	-1.5512	ng/L
Zn-Precon	68	151	127			-23.474339	-2.9679	ng/L
Cd-Precon	111	4	0			-3.785556	-0.0387	ng/L
Cd-Precon	114	12	8			-3.512362	-0.4035	ng/L
Pb-Precon	208	1281	590			-690.383076	0.3887	ng/L
Tb-Precon	159	12	15			2.988761		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122194-BLK1

Sample Description:

Batch ID: B122194

Sample Date/Time: Saturday, December 22, 2012 00:43:39

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 108

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122194-BLK1.052

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	226			-89.561030	-1.0289	ng/L
Fe-Precon	54	133	335			201.552513	27.5117	ng/L
Fe-Precon	56	2555	6568			4013.113436	29.3526	ng/L
Fe-Precon	57	80	192			112.300988	25.7633	ng/L
Co-Precon	59	33	26			-6.905708	0.2726	ng/L
Ni-Precon	60	27	24			-2.877931	-1.5971	ng/L
Cu-Precon	63	311	297			-13.963362	-0.6357	ng/L
Cu-Precon	65	146	146			-0.475050	-0.0926	ng/L
Zn-Precon	66	221	423			201.826787	12.3035	ng/L
Zn-Precon	68	151	299			147.778915	11.4409	ng/L
Cd-Precon	111	4	3			-1.633399	0.0693	ng/L
Cd-Precon	114	12	6			-5.694285	-0.4460	ng/L
Pb-Precon	208	1281	418			-863.117919	-0.1774	ng/L
Tb-Precon	159	12	10			-1.329868		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122194-BLK2

Sample Description:

Batch ID: B122194

Sample Date/Time: Saturday, December 22, 2012 00:54:08

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 109

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122194-BLK2.053

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	184			-131.530392	-2.0032	ng/L
Fe-Precon	54	133	318			184.615637	24.4213	ng/L
Fe-Precon	56	2555	6161			3605.602451	25.5482	ng/L
Fe-Precon	57	80	181			101.021113	21.5404	ng/L
Co-Precon	59	33	27			-6.168035	0.2778	ng/L
Ni-Precon	60	27	26			-1.170563	-1.5223	ng/L
Cu-Precon	63	311	354			43.350317	0.3969	ng/L
Cu-Precon	65	146	167			21.043519	0.7309	ng/L
Zn-Precon	66	221	413			191.843987	11.7512	ng/L
Zn-Precon	68	151	291			140.055808	10.7911	ng/L
Cd-Precon	111	4	0			-3.811244	-0.0400	ng/L
Cd-Precon	114	12	10			-1.438513	-0.3631	ng/L
Pb-Precon	208	1281	581			-699.979519	0.3573	ng/L
Tb-Precon	159	12	7			-4.505634		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122194-BLK3

Sample Description:

Batch ID: B122194

Sample Date/Time: Saturday, December 22, 2012 01:04:37

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 110

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122194-BLK3.054

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	166			-149.518933	-2.4208	ng/L
Fe-Precon	54	133	605			471.244281	76.7220	ng/L
Fe-Precon	56	2555	11647			9092.270243	76.7692	ng/L
Fe-Precon	57	80	307			227.559715	68.9134	ng/L
Co-Precon	59	33	30			-3.002639	0.3002	ng/L
Ni-Precon	60	27	32			4.661502	-1.2668	ng/L
Cu-Precon	63	311	522			211.043367	3.4182	ng/L
Cu-Precon	65	146	242			95.858089	3.5940	ng/L
Zn-Precon	66	221	168			-53.516530	-1.8238	ng/L
Zn-Precon	68	151	124			-26.982680	-3.2631	ng/L
Cd-Precon	111	4	2			-2.100753	0.0459	ng/L
Cd-Precon	114	12	7			-5.185195	-0.4361	ng/L
Pb-Precon	208	1281	414			-867.062333	-0.1903	ng/L
Tb-Precon	159	12	5			-6.607803		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122194-BLK4

Sample Description:

Batch ID: B122194

Sample Date/Time: Saturday, December 22, 2012 01:15:05

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 111

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122194-BLK4.055

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	207			-108.360639	-1.4653	ng/L
Fe-Precon	54	133	324			190.538503	25.5020	ng/L
Fe-Precon	56	2555	6279			3723.778760	26.6515	ng/L
Fe-Precon	57	80	182			102.267693	22.0070	ng/L
Co-Precon	59	33	25			-7.955068	0.2652	ng/L
Ni-Precon	60	27	12			-14.853731	-2.1218	ng/L
Cu-Precon	63	311	312			1.293184	-0.3608	ng/L
Cu-Precon	65	146	141			-5.396482	-0.2809	ng/L
Zn-Precon	66	221	162			-59.362994	-2.1473	ng/L
Zn-Precon	68	151	120			-31.090264	-3.6087	ng/L
Cd-Precon	111	4	2			-2.403493	0.0307	ng/L
Cd-Precon	114	12	10			-1.738252	-0.3689	ng/L
Pb-Precon	208	1281	428			-853.275202	-0.1451	ng/L
Tb-Precon	159	12	5			-6.687458		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122194-BSD

Sample Description:

Batch ID: B122194

Sample Date/Time: Saturday, December 22, 2012 01:25:34

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 112

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122194-BSD.056

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2492			2176.680367	51.5823	ng/L
Fe-Precon	54	133	10774			10640.624853	1932.3143	ng/L
Fe-Precon	56	2555	206535			203979.990599	1896.1489	ng/L
Fe-Precon	57	80	5349			5269.706320	1956.5752	ng/L
Co-Precon	59	33	5757			5723.698081	40.8101	ng/L
Ni-Precon	60	27	1849			1822.422064	78.3738	ng/L
Cu-Precon	63	311	4527			4216.118680	75.5769	ng/L
Cu-Precon	65	146	2101			1954.870494	74.7361	ng/L
Zn-Precon	66	221	3352			3130.337446	174.3285	ng/L
Zn-Precon	68	151	2312			2161.109149	180.8371	ng/L
Cd-Precon	111	4	82			77.627285	4.0478	ng/L
Cd-Precon	114	12	313			301.598443	5.5405	ng/L
Pb-Precon	208	1281	4156			2875.019927	12.0732	ng/L
Tb-Precon	159	12	10			-1.454548		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122194-BSE

Sample Description:

Batch ID: B122194

Sample Date/Time: Saturday, December 22, 2012 01:36:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 113

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122194-BSE.057

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	595			279.464468	7.5381	ng/L
Fe-Precon	54	133	2086			1952.376212	346.9820	ng/L
Fe-Precon	56	2555	40897			38341.475659	349.8259	ng/L
Fe-Precon	57	80	1042			962.522149	344.0662	ng/L
Co-Precon	59	33	1200			1166.988063	8.5766	ng/L
Ni-Precon	60	27	472			444.544529	18.0056	ng/L
Cu-Precon	63	311	1943			1632.031639	29.0199	ng/L
Cu-Precon	65	146	903			756.574747	28.8788	ng/L
Zn-Precon	66	221	2462			2240.476379	125.0954	ng/L
Zn-Precon	68	151	1679			1528.576992	127.6176	ng/L
Cd-Precon	111	4	23			18.454667	1.0776	ng/L
Cd-Precon	114	12	72			60.290569	0.8395	ng/L
Pb-Precon	208	1281	2440			1159.360496	6.4507	ng/L
Tb-Precon	159	12	4			-8.207805		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122194-BSF

Sample Description:

Batch ID: B122194

Sample Date/Time: Saturday, December 22, 2012 01:46:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 114

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122194-BSF.058

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	3394			3079.011423	72.5300	ng/L
Fe-Precon	54	133	13733			13599.690469	2472.2508	ng/L
Fe-Precon	56	2555	265424			262868.645632	2445.9055	ng/L
Fe-Precon	57	80	6924			6844.165940	2546.0161	ng/L
Co-Precon	59	33	8002			7968.595549	56.6902	ng/L
Ni-Precon	60	27	2517			2489.739525	107.6106	ng/L
Cu-Precon	63	311	3555			3244.029722	58.0629	ng/L
Cu-Precon	65	146	1597			1450.253153	55.4250	ng/L
Zn-Precon	66	221	2533			2311.557345	129.0281	ng/L
Zn-Precon	68	151	1690			1539.225570	128.5135	ng/L
Cd-Precon	111	4	118			113.344148	5.8405	ng/L
Cd-Precon	114	12	337			325.613084	6.0083	ng/L
Pb-Precon	208	1281	4722			3440.905227	13.9277	ng/L
Tb-Precon	159	12	7			-4.689188		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV2

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 01:57:02

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCV2.059

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	10190			9875.120119	230.3028	ng/L
Fe-Precon	54	133	2951			2818.015541	504.9340	ng/L
Fe-Precon	56	2555	56430			53874.598469	494.8358	ng/L
Fe-Precon	57	80	1463			1383.508802	501.6738	ng/L
Co-Precon	59	33	14643			14609.196909	103.6648	ng/L
Ni-Precon	60	27	2262			2234.850084	96.4433	ng/L
Cu-Precon	63	311	6183			5872.003461	105.4107	ng/L
Cu-Precon	65	146	2894			2748.120078	105.0928	ng/L
Zn-Precon	66	221	9897			9675.125115	536.4305	ng/L
Zn-Precon	68	151	6630			6479.407898	544.1672	ng/L
Cd-Precon	111	4	2094			2089.746061	105.0441	ng/L
Cd-Precon	114	12	5346			5334.390302	103.5861	ng/L
Pb-Precon	208	1281	30274			28993.025088	97.6670	ng/L
Tb-Precon	159	12	3			-8.789625		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB2

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 02:07:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCB2.060

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	360			45.254715	2.1009	ng/L
Fe-Precon	54	133	266			132.872155	14.9797	ng/L
Fe-Precon	56	2555	5140			2584.665285	16.0172	ng/L
Fe-Precon	57	80	164			84.015963	15.1740	ng/L
Co-Precon	59	33	65			31.401290	0.5436	ng/L
Ni-Precon	60	27	34			7.071925	-1.1611	ng/L
Cu-Precon	63	311	328			17.496080	-0.0689	ng/L
Cu-Precon	65	146	149			2.306151	0.0139	ng/L
Zn-Precon	66	221	208			-13.251180	0.4039	ng/L
Zn-Precon	68	151	153			2.573469	-0.7763	ng/L
Cd-Precon	111	4	9			5.121271	0.4084	ng/L
Cd-Precon	114	12	21			9.518120	-0.1497	ng/L
Pb-Precon	208	1281	555			-726.006741	0.2720	ng/L
Tb-Precon	159	12	5			-6.936808		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122194-BS9

Sample Description:

Batch ID: B122194

Sample Date/Time: Saturday, December 22, 2012 02:18:02

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 115

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122194-BS9.061

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	10973			10657.639195	248.4691	ng/L
Fe-Precon	54	133	48531			48397.366636	8821.7331	ng/L
Fe-Precon	56	2555	964960			962405.299270	8976.4493	ng/L
Fe-Precon	57	80	23955			23875.642237	8922.2026	ng/L
Co-Precon	59	33	25817			25783.442175	182.7098	ng/L
Ni-Precon	60	27	8099			8072.403844	352.2009	ng/L
Cu-Precon	63	311	12128			11817.290199	212.5258	ng/L
Cu-Precon	65	146	5582			5435.981879	207.9539	ng/L
Zn-Precon	66	221	7877			7655.775720	424.7064	ng/L
Zn-Precon	68	151	5207			5056.099391	424.4138	ng/L
Cd-Precon	111	4	385			380.928154	19.2716	ng/L
Cd-Precon	114	12	1079			1067.446933	20.4602	ng/L
Pb-Precon	208	1281	14193			12912.224755	44.9671	ng/L
Tb-Precon	159	12	15			3.148066		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122194-BSA

Sample Description:

Batch ID: B122194

Sample Date/Time: Saturday, December 22, 2012 02:28:31

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 116

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122194-BSA.062

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	12780			12464.970090	290.4266	ng/L
Fe-Precon	54	133	56160			56026.471933	10213.8050	ng/L
Fe-Precon	56	2555	1145311			1142756.409658	10660.1221	ng/L
Fe-Precon	57	80	28175			28095.420243	10501.9888	ng/L
Co-Precon	59	33	30210			30176.972381	213.7890	ng/L
Ni-Precon	60	27	9345			9317.619465	406.7569	ng/L
Cu-Precon	63	311	13604			13293.181220	239.1166	ng/L
Cu-Precon	65	146	6260			6113.807182	233.8934	ng/L
Zn-Precon	66	221	9188			8966.711001	497.2362	ng/L
Zn-Precon	68	151	6122			5970.968312	501.3885	ng/L
Cd-Precon	111	4	441			436.542903	22.0632	ng/L
Cd-Precon	114	12	1254			1242.252325	23.8657	ng/L
Pb-Precon	208	1281	16472			15191.598818	52.4370	ng/L
Tb-Precon	159	12	18			6.330757		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122194-BSB

Sample Description:

Batch ID: B122194

Sample Date/Time: Saturday, December 22, 2012 02:39:00

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 117

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122194-BSB.063

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	12758			12443.166105	289.9204	ng/L
Fe-Precon	54	133	56973			56839.660233	10362.1863	ng/L
Fe-Precon	56	2555	1153552			1150996.494747	10737.0476	ng/L
Fe-Precon	57	80	28197			28117.790216	10510.3636	ng/L
Co-Precon	59	33	30021			29987.809085	212.4509	ng/L
Ni-Precon	60	27	9448			9420.503275	411.2645	ng/L
Cu-Precon	63	311	13684			13373.007226	240.5549	ng/L
Cu-Precon	65	146	6206			6060.070129	231.8370	ng/L
Zn-Precon	66	221	9085			8863.935489	491.5500	ng/L
Zn-Precon	68	151	6011			5859.855141	492.0397	ng/L
Cd-Precon	111	4	434			429.447335	21.7070	ng/L
Cd-Precon	114	12	1264			1252.001549	24.0556	ng/L
Pb-Precon	208	1281	16242			14961.683117	51.6836	ng/L
Tb-Precon	159	12	16			4.238979		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122194-BSC

Sample Description:

Batch ID: B122194

Sample Date/Time: Saturday, December 22, 2012 02:49:29

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 118

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122194-BSC.064

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	12571			12256.141731	285.5786	ng/L
Fe-Precon	54	133	56364			56230.368328	10251.0097	ng/L
Fe-Precon	56	2555	1150278			1147722.632686	10706.4844	ng/L
Fe-Precon	57	80	28457			28377.448271	10607.5735	ng/L
Co-Precon	59	33	30218			30184.428697	213.8418	ng/L
Ni-Precon	60	27	9458			9430.506615	411.7028	ng/L
Cu-Precon	63	311	13779			13468.716216	242.2792	ng/L
Cu-Precon	65	146	6345			6198.790804	237.1457	ng/L
Zn-Precon	66	221	9030			8808.362603	488.4753	ng/L
Zn-Precon	68	151	5948			5797.560874	486.7984	ng/L
Cd-Precon	111	4	423			418.685727	21.1668	ng/L
Cd-Precon	114	12	1259			1247.598095	23.9698	ng/L
Pb-Precon	208	1281	16290			15009.512206	51.8403	ng/L
Tb-Precon	159	12	20			7.802626		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 03:00:00

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.065

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	84			-230.865131	-4.3093	ng/L
Fe-Precon	54	133	1137			1004.034581	173.9395	ng/L
Fe-Precon	56	2555	21684			19128.721998	170.4647	ng/L
Fe-Precon	57	80	585			505.241506	172.8710	ng/L
Co-Precon	59	33	19			-14.362019	0.2199	ng/L
Ni-Precon	60	27	34			6.801770	-1.1730	ng/L
Cu-Precon	63	311	301			-9.225526	-0.5504	ng/L
Cu-Precon	65	146	142			-4.427522	-0.2438	ng/L
Zn-Precon	66	221	74			-147.736749	-7.0367	ng/L
Zn-Precon	68	151	71			-80.147978	-7.7362	ng/L
Cd-Precon	111	4	0			-3.937669	-0.0463	ng/L
Cd-Precon	114	12	13			1.009414	-0.3154	ng/L
Pb-Precon	208	1281	269			-1012.181194	-0.6659	ng/L
Tb-Precon	159	12	3			-8.332480		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV3

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 03:10:31

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCV3.066

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	10042			9726.567669	226.8541	ng/L
Fe-Precon	54	133	2710			2576.283181	460.8254	ng/L
Fe-Precon	56	2555	51894			49339.176941	452.4953	ng/L
Fe-Precon	57	80	1338			1258.252604	454.7808	ng/L
Co-Precon	59	33	14659			14626.121134	103.7845	ng/L
Ni-Precon	60	27	2204			2176.894981	93.9042	ng/L
Cu-Precon	63	311	6182			5871.538508	105.4023	ng/L
Cu-Precon	65	146	2872			2725.628561	104.2320	ng/L
Zn-Precon	66	221	10017			9795.860743	543.1104	ng/L
Zn-Precon	68	151	6697			6546.737114	549.8321	ng/L
Cd-Precon	111	4	2075			2070.466797	104.0764	ng/L
Cd-Precon	114	12	5318			5306.206661	103.0370	ng/L
Pb-Precon	208	1281	30384			29103.043872	98.0275	ng/L
Tb-Precon	159	12	3			-9.073607		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 03:21:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.067

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	156			-159.313278	-2.6482	ng/L
Fe-Precon	54	133	348			214.599960	29.8924	ng/L
Fe-Precon	56	2555	6618			4063.200627	29.8202	ng/L
Fe-Precon	57	80	182			102.357980	22.0408	ng/L
Co-Precon	59	33	13			-20.474592	0.1766	ng/L
Ni-Precon	60	27	18			-8.706522	-1.8524	ng/L
Cu-Precon	63	311	240			-70.330583	-1.6513	ng/L
Cu-Precon	65	146	100			-46.645148	-1.8595	ng/L
Zn-Precon	66	221	75			-146.912628	-6.9911	ng/L
Zn-Precon	68	151	66			-84.380060	-8.0923	ng/L
Cd-Precon	111	4	1			-2.757453	0.0129	ng/L
Cd-Precon	114	12	9			-3.068721	-0.3949	ng/L
Pb-Precon	208	1281	251			-1029.494529	-0.7226	ng/L
Tb-Precon	159	12	2			-9.980968		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB3

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 03:31:35

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCB3.068

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	148			-166.648481	-2.8185	ng/L
Fe-Precon	54	133	170			36.565906	-2.5932	ng/L
Fe-Precon	56	2555	3105			550.008094	-2.9774	ng/L
Fe-Precon	57	80	99			19.508541	-8.9760	ng/L
Co-Precon	59	33	23			-10.084949	0.2501	ng/L
Ni-Precon	60	27	24			-3.044168	-1.6044	ng/L
Cu-Precon	63	311	167			-143.808795	-2.9751	ng/L
Cu-Precon	65	146	78			-68.695634	-2.7033	ng/L
Zn-Precon	66	221	159			-62.334622	-2.3117	ng/L
Zn-Precon	68	151	130			-20.482220	-2.7161	ng/L
Cd-Precon	111	4	2			-2.043598	0.0488	ng/L
Cd-Precon	114	12	9			-2.676594	-0.3872	ng/L
Pb-Precon	208	1281	424			-856.390868	-0.1553	ng/L
Tb-Precon	159	12	4			-7.844169		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 03:42:06

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.069

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	57			-258.131422	-4.9423	ng/L
Fe-Precon	54	133	181			47.683503	-0.5646	ng/L
Fe-Precon	56	2555	3398			843.130546	-0.2409	ng/L
Fe-Precon	57	80	108			27.965947	-5.8098	ng/L
Co-Precon	59	33	12			-21.499707	0.1694	ng/L
Ni-Precon	60	27	11			-15.619103	-2.1553	ng/L
Cu-Precon	63	311	228			-82.376559	-1.8683	ng/L
Cu-Precon	65	146	106			-39.999154	-1.6051	ng/L
Zn-Precon	66	221	75			-146.046878	-6.9432	ng/L
Zn-Precon	68	151	67			-83.985273	-8.0591	ng/L
Cd-Precon	111	4	2			-2.044016	0.0487	ng/L
Cd-Precon	114	12	8			-4.105498	-0.4151	ng/L
Pb-Precon	208	1281	233			-1047.472591	-0.7815	ng/L
Tb-Precon	159	12	3			-8.630317		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122257-BLK1

Sample Description:

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 03:52:37

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 119

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122257-BLK1.070

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	101			-213.863870	-3.9146	ng/L
Fe-Precon	54	133	1317			1183.554999	206.6963	ng/L
Fe-Precon	56	2555	25455			22900.075625	205.6723	ng/L
Fe-Precon	57	80	664			584.573632	202.5711	ng/L
Co-Precon	59	33	28			-5.222567	0.2845	ng/L
Ni-Precon	60	27	62			34.930240	0.0594	ng/L
Cu-Precon	63	311	657			346.604634	5.8606	ng/L
Cu-Precon	65	146	217			71.026441	2.6437	ng/L
Zn-Precon	66	221	7248			7026.413761	389.8858	ng/L
Zn-Precon	68	151	4942			4791.289336	402.1334	ng/L
Cd-Precon	111	4	5			0.342768	0.1685	ng/L
Cd-Precon	114	12	13			1.616447	-0.3036	ng/L
Pb-Precon	208	1281	549			-731.895885	0.2527	ng/L
Tb-Precon	159	12	3			-8.304775		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 04:03:08

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.071

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	48			-267.509912	-5.1600	ng/L
Fe-Precon	54	133	204			71.126938	3.7131	ng/L
Fe-Precon	56	2555	3998			1442.956150	5.3588	ng/L
Fe-Precon	57	80	126			46.674684	1.1943	ng/L
Co-Precon	59	33	14			-19.362907	0.1845	ng/L
Ni-Precon	60	27	10			-16.886637	-2.2108	ng/L
Cu-Precon	63	311	210			-100.670175	-2.1979	ng/L
Cu-Precon	65	146	100			-46.319669	-1.8470	ng/L
Zn-Precon	66	221	70			-151.570712	-7.2489	ng/L
Zn-Precon	68	151	71			-79.479563	-7.6800	ng/L
Cd-Precon	111	4	1			-3.315263	-0.0151	ng/L
Cd-Precon	114	12	6			-6.123136	-0.4544	ng/L
Pb-Precon	208	1281	224			-1057.048604	-0.8129	ng/L
Tb-Precon	159	12	4			-8.121226		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122257-BLK2

Sample Description:

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 04:13:39

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 120

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122257-BLK2.072

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	86			-229.019217	-4.2664	ng/L
Fe-Precon	54	133	499			366.078226	57.5325	ng/L
Fe-Precon	56	2555	10033			7478.007481	61.6992	ng/L
Fe-Precon	57	80	275			195.124631	56.7705	ng/L
Co-Precon	59	33	24			-9.329936	0.2555	ng/L
Ni-Precon	60	27	38			10.458983	-1.0128	ng/L
Cu-Precon	63	311	595			284.585355	4.7432	ng/L
Cu-Precon	65	146	190			44.088504	1.6128	ng/L
Zn-Precon	66	221	6032			5810.944315	322.6378	ng/L
Zn-Precon	68	151	4074			3923.203195	329.0950	ng/L
Cd-Precon	111	4	2			-2.190877	0.0414	ng/L
Cd-Precon	114	12	9			-3.006696	-0.3937	ng/L
Pb-Precon	208	1281	399			-881.687148	-0.2382	ng/L
Tb-Precon	159	12	3			-8.446767		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 04:24:10

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.073

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	37			-278.190540	-5.4080	ng/L
Fe-Precon	54	133	160			26.917308	-4.3537	ng/L
Fe-Precon	56	2555	2952			397.404344	-4.4020	ng/L
Fe-Precon	57	80	102			22.358950	-7.9089	ng/L
Co-Precon	59	33	11			-21.970695	0.1660	ng/L
Ni-Precon	60	27	11			-15.747241	-2.1609	ng/L
Cu-Precon	63	311	178			-132.432491	-2.7701	ng/L
Cu-Precon	65	146	95			-51.452148	-2.0434	ng/L
Zn-Precon	66	221	79			-142.735950	-6.7601	ng/L
Zn-Precon	68	151	62			-88.774857	-8.4621	ng/L
Cd-Precon	111	4	0			-3.805917	-0.0397	ng/L
Cd-Precon	114	12	6			-5.338872	-0.4391	ng/L
Pb-Precon	208	1281	222			-1058.448031	-0.8175	ng/L
Tb-Precon	159	12	2			-9.419928		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122257-BLK3

Sample Description:

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 04:34:40

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 121

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122257-BLK3.074

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	101			-214.030156	-3.9185	ng/L
Fe-Precon	54	133	982			848.768278	145.6082	ng/L
Fe-Precon	56	2555	19047			16491.679003	145.8466	ng/L
Fe-Precon	57	80	514			433.981995	146.1931	ng/L
Co-Precon	59	33	40			6.749834	0.3692	ng/L
Ni-Precon	60	27	110			83.256833	2.1767	ng/L
Cu-Precon	63	311	671			360.681673	6.1142	ng/L
Cu-Precon	65	146	237			90.976697	3.4072	ng/L
Zn-Precon	66	221	7244			7022.071910	389.6456	ng/L
Zn-Precon	68	151	4828			4677.479547	392.5578	ng/L
Cd-Precon	111	4	4			-0.268261	0.1379	ng/L
Cd-Precon	114	12	13			1.666269	-0.3026	ng/L
Pb-Precon	208	1281	484			-796.737194	0.0402	ng/L
Tb-Precon	159	12	8			-4.065809		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 04:45:11

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.075

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	39			-275.884005	-5.3544	ng/L
Fe-Precon	54	133	228			94.848022	8.0415	ng/L
Fe-Precon	56	2555	4487			1932.067728	9.9249	ng/L
Fe-Precon	57	80	128			48.302489	1.8037	ng/L
Co-Precon	59	33	12			-21.049489	0.1726	ng/L
Ni-Precon	60	27	10			-17.520402	-2.2386	ng/L
Cu-Precon	63	311	268			-42.973141	-1.1584	ng/L
Cu-Precon	65	146	121			-25.598662	-1.0540	ng/L
Zn-Precon	66	221	79			-142.309878	-6.7365	ng/L
Zn-Precon	68	151	64			-86.766209	-8.2931	ng/L
Cd-Precon	111	4	1			-3.119865	-0.0053	ng/L
Cd-Precon	114	12	4			-7.239660	-0.4761	ng/L
Pb-Precon	208	1281	206			-1074.406893	-0.8698	ng/L
Tb-Precon	159	12	3			-9.194820		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122257-BLK4

Sample Description:

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 04:55:41

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 122

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122257-BLK4.076

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	75			-239.883454	-4.5187	ng/L
Fe-Precon	54	133	1477			1343.632028	235.9053	ng/L
Fe-Precon	56	2555	28465			25910.035282	233.7719	ng/L
Fe-Precon	57	80	771			691.551382	242.6211	ng/L
Co-Precon	59	33	1449			1416.062395	10.3385	ng/L
Ni-Precon	60	27	107			79.994354	2.0338	ng/L
Cu-Precon	63	311	825			514.146867	8.8792	ng/L
Cu-Precon	65	146	231			84.805174	3.1710	ng/L
Zn-Precon	66	221	4875			4653.523242	258.6015	ng/L
Zn-Precon	68	151	3282			3131.003259	262.4414	ng/L
Cd-Precon	111	4	3			-0.847586	0.1088	ng/L
Cd-Precon	114	12	9			-3.132466	-0.3961	ng/L
Pb-Precon	208	1281	460			-821.021050	-0.0394	ng/L
Tb-Precon	159	12	15			3.657166		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 05:06:12

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.077

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	28			-287.326543	-5.6201	ng/L
Fe-Precon	54	133	196			62.246801	2.0928	ng/L
Fe-Precon	56	2555	3646			1091.374762	2.0766	ng/L
Fe-Precon	57	80	119			39.162788	-1.6180	ng/L
Co-Precon	59	33	15			-18.559443	0.1902	ng/L
Ni-Precon	60	27	10			-17.077114	-2.2192	ng/L
Cu-Precon	63	311	214			-96.714815	-2.1266	ng/L
Cu-Precon	65	146	93			-53.183775	-2.1097	ng/L
Zn-Precon	66	221	79			-142.777414	-6.7624	ng/L
Zn-Precon	68	151	66			-85.242361	-8.1649	ng/L
Cd-Precon	111	4	1			-3.282478	-0.0134	ng/L
Cd-Precon	114	12	6			-5.841341	-0.4489	ng/L
Pb-Precon	208	1281	205			-1075.955045	-0.8749	ng/L
Tb-Precon	159	12	2			-9.295253		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122257-BS1

Sample Description:

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 05:16:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 123

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122257-BS1.078

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	113962			113647.387791	2639.3927	ng/L
Fe-Precon	54	133	539858			539724.601560	98473.5120	ng/L
Fe-Precon	56	2555	11498812			11496256.834724	107315.5113	ng/L
Fe-Precon	57	80	272142			272062.372099	101837.5111	ng/L
Co-Precon	59	33	285305			285271.528916	2018.2910	ng/L
Ni-Precon	60	27	87117			87090.271070	3814.1687	ng/L
Cu-Precon	63	311	123755			123444.085407	2223.6851	ng/L
Cu-Precon	65	146	57242			57095.672301	2184.9064	ng/L
Zn-Precon	66	221	84415			84193.969136	4659.3174	ng/L
Zn-Precon	68	151	55933			55781.925928	4692.3489	ng/L
Cd-Precon	111	4	4185			4180.823945	210.0036	ng/L
Cd-Precon	114	12	11896			11884.321324	231.1876	ng/L
Pb-Precon	208	1281	150543			149262.060778	491.8118	ng/L
Tb-Precon	159	12	98			86.245226		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 05:27:13

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.079

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	563			248.245159	6.8133	ng/L
Fe-Precon	54	133	7145			7012.146103	1270.2310	ng/L
Fe-Precon	56	2555	138801			136246.290229	1263.8190	ng/L
Fe-Precon	57	80	3604			3524.801425	1303.3236	ng/L
Co-Precon	59	33	49			15.972428	0.4345	ng/L
Ni-Precon	60	27	225			198.031959	7.2053	ng/L
Cu-Precon	63	311	786			475.550739	8.1838	ng/L
Cu-Precon	65	146	341			194.825720	7.3813	ng/L
Zn-Precon	66	221	101			-120.861646	-5.5498	ng/L
Zn-Precon	68	151	68			-82.783342	-7.9580	ng/L
Cd-Precon	111	4	2			-2.476209	0.0270	ng/L
Cd-Precon	114	12	51			39.402304	0.4325	ng/L
Pb-Precon	208	1281	258			-1022.969789	-0.7012	ng/L
Tb-Precon	159	12	4			-7.882265		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-03

Sample Description:

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 05:37:43

Diluted To Volume (mL): 1.00

Aliquot Volume (mL): 1

Autosampler Position: 124

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-03.080

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	455			139.500586	4.2888	ng/L
Fe-Precon	54	133	98694			98560.717272	17974.9680	ng/L
Fe-Precon	56	2555	2060913			2058357.593173	19207.7422	ng/L
Fe-Precon	57	80	49463			49383.354237	18471.6935	ng/L
Co-Precon	59	33	198			164.988966	1.4886	ng/L
Ni-Precon	60	27	501			474.259198	19.3075	ng/L
Cu-Precon	63	311	8503			8192.684541	147.2219	ng/L
Cu-Precon	65	146	3944			3798.132960	145.2755	ng/L
Zn-Precon	66	221	9665			9443.293513	523.6040	ng/L
Zn-Precon	68	151	6500			6349.546411	533.2410	ng/L
Cd-Precon	111	4	49			45.227286	2.4215	ng/L
Cd-Precon	114	12	150			138.149703	2.3563	ng/L
Pb-Precon	208	1281	2516			1235.560902	6.7004	ng/L
Tb-Precon	159	12	30			18.445135		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 05:48:14

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.081

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	94			-221.586954	-4.0939	ng/L
Fe-Precon	54	133	6043			5909.734001	1069.0754	ng/L
Fe-Precon	56	2555	115465			112909.603904	1045.9588	ng/L
Fe-Precon	57	80	2971			2890.914455	1066.0112	ng/L
Co-Precon	59	33	16			-17.471991	0.1979	ng/L
Ni-Precon	60	27	31			3.570603	-1.3146	ng/L
Cu-Precon	63	311	354			43.564789	0.4008	ng/L
Cu-Precon	65	146	155			8.691731	0.2582	ng/L
Zn-Precon	66	221	82			-138.953968	-6.5508	ng/L
Zn-Precon	68	151	75			-75.652603	-7.3580	ng/L
Cd-Precon	111	4	1			-2.991072	0.0012	ng/L
Cd-Precon	114	12	14			2.128291	-0.2936	ng/L
Pb-Precon	208	1281	202			-1078.438181	-0.8830	ng/L
Tb-Precon	159	12	3			-8.287460		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-04

Sample Description:

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 05:58:46

Diluted To Volume (mL): 1.00

Aliquot Volume (mL): 1

Autosampler Position: 125

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-04.082

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	268			-46.829295	-0.0369	ng/L
Fe-Precon	54	133	85712			85579.146702	15606.2394	ng/L
Fe-Precon	56	2555	1770024			1767468.889978	16492.1427	ng/L
Fe-Precon	57	80	42903			42823.479306	16015.8298	ng/L
Co-Precon	59	33	22174			22140.341858	156.9390	ng/L
Ni-Precon	60	27	1158			1131.157894	48.0878	ng/L
Cu-Precon	63	311	9000			8689.015700	156.1643	ng/L
Cu-Precon	65	146	4099			3952.406560	151.1793	ng/L
Zn-Precon	66	221	27779			27557.805718	1525.8214	ng/L
Zn-Precon	68	151	18631			18480.077321	1553.8714	ng/L
Cd-Precon	111	4	298			293.847722	14.9007	ng/L
Cd-Precon	114	12	817			805.752285	15.3621	ng/L
Pb-Precon	208	1281	5640			4359.537183	16.9383	ng/L
Tb-Precon	159	12	29			17.274561		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 06:09:17

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.083

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	58			-257.061288	-4.9174	ng/L
Fe-Precon	54	133	6333			6199.985249	1122.0372	ng/L
Fe-Precon	56	2555	121996			119440.547104	1106.9286	ng/L
Fe-Precon	57	80	3152			3072.853172	1134.1248	ng/L
Co-Precon	59	33	18			-15.553371	0.2114	ng/L
Ni-Precon	60	27	19			-7.864965	-1.8156	ng/L
Cu-Precon	63	311	344			33.174031	0.2136	ng/L
Cu-Precon	65	146	148			1.626380	-0.0122	ng/L
Zn-Precon	66	221	87			-134.368642	-6.2971	ng/L
Zn-Precon	68	151	70			-80.587711	-7.7732	ng/L
Cd-Precon	111	4	1			-2.716638	0.0150	ng/L
Cd-Precon	114	12	7			-5.051906	-0.4335	ng/L
Pb-Precon	208	1281	208			-1072.994013	-0.8652	ng/L
Tb-Precon	159	12	3			-8.709971		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-01
Sample Description: 1000x
Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 06:19:49
Diluted To Volume (mL): 1000.00
Aliquot Volume (mL): 1
Autosampler Position: 126

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam
Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth
Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-01.084
Calibration File: C:\Elandata\System\2012\12-12\1200959.cal
Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	225			-90.381627	-1047.9445	ng/L
Fe-Precon	54	133	31786			31652.807222	5766377.2343	ng/L
Fe-Precon	56	2555	605161			602606.025626	5617533.2283	ng/L
Fe-Precon	57	80	15977			15897.589636	5935406.2501	ng/L
Co-Precon	59	33	293			259.233718	2155.2472	ng/L
Ni-Precon	60	27	197			169.531540	5956.6072	ng/L
Cu-Precon	63	311	345			34.679214	240.6710	ng/L
Cu-Precon	65	146	150			3.826591	72.0369	ng/L
Zn-Precon	66	221	5889			5667.387152	314695.2834	ng/L
Zn-Precon	68	151	4000			3849.508536	322894.5257	ng/L
Cd-Precon	111	4	2			-2.169299	42.4441	ng/L
Cd-Precon	114	12	6			-5.754022	-447.1788	ng/L
Pb-Precon	208	1281	820			-460.391259	1142.4369	ng/L
Tb-Precon	159	12	42			29.981181		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 06:30:20

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.085

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	38			-276.684019	-5.3730	ng/L
Fe-Precon	54	133	2194			2060.806082	366.7670	ng/L
Fe-Precon	56	2555	42497			39941.804792	364.7659	ng/L
Fe-Precon	57	80	1113			1033.801703	370.7516	ng/L
Co-Precon	59	33	13			-19.930870	0.1805	ng/L
Ni-Precon	60	27	12			-15.286634	-2.1407	ng/L
Cu-Precon	63	311	226			-85.071037	-1.9168	ng/L
Cu-Precon	65	146	98			-47.971593	-1.9102	ng/L
Zn-Precon	66	221	82			-139.598235	-6.5865	ng/L
Zn-Precon	68	151	65			-85.796452	-8.2115	ng/L
Cd-Precon	111	4	1			-3.198993	-0.0092	ng/L
Cd-Precon	114	12	7			-5.002732	-0.4325	ng/L
Pb-Precon	208	1281	187			-1093.451718	-0.9322	ng/L
Tb-Precon	159	12	3			-8.512568		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122257-DUP1

Sample Description: 1000x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 06:40:51

Diluted To Volume (mL): 1000.00

Aliquot Volume (mL): 1

Autosampler Position: 127

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122257-DUP1.086

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	215			-99.944246	-1269.9423	ng/L
Fe-Precon	54	133	30069			29935.261538	5452979.1258	ng/L
Fe-Precon	56	2555	571211			568655.901762	5300590.9091	ng/L
Fe-Precon	57	80	14955			14875.058222	5552594.3976	ng/L
Co-Precon	59	33	298			264.906814	2195.3779	ng/L
Ni-Precon	60	27	180			153.232976	5242.5269	ng/L
Cu-Precon	63	311	336			25.334338	72.3061	ng/L
Cu-Precon	65	146	154			8.142039	237.1837	ng/L
Zn-Precon	66	221	4518			4296.646029	238856.6057	ng/L
Zn-Precon	68	151	3069			2918.713871	244579.9583	ng/L
Cd-Precon	111	4	2			-2.292718	36.2492	ng/L
Cd-Precon	114	12	5			-6.930295	-470.0942	ng/L
Pb-Precon	208	1281	884			-396.394905	1352.1653	ng/L
Tb-Precon	159	12	45			32.807208		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 06:51:22

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.087

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	28			-286.914418	-5.6105	ng/L
Fe-Precon	54	133	1643			1509.628439	266.1944	ng/L
Fe-Precon	56	2555	31906			29350.552181	265.8909	ng/L
Fe-Precon	57	80	849			769.378047	271.7576	ng/L
Co-Precon	59	33	14			-19.705761	0.1821	ng/L
Ni-Precon	60	27	10			-16.831225	-2.2084	ng/L
Cu-Precon	63	311	217			-94.002827	-2.0778	ng/L
Cu-Precon	65	146	99			-47.594122	-1.8958	ng/L
Zn-Precon	66	221	81			-140.810338	-6.6535	ng/L
Zn-Precon	68	151	70			-81.179945	-7.8231	ng/L
Cd-Precon	111	4	0			-3.718785	-0.0353	ng/L
Cd-Precon	114	12	6			-5.224361	-0.4369	ng/L
Pb-Precon	208	1281	170			-1110.695391	-0.9887	ng/L
Tb-Precon	159	12	2			-9.336812		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122257-MS1

Sample Description: 1000x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 07:01:53

Diluted To Volume (mL): 1000.00

Aliquot Volume (mL): 1

Autosampler Position: 128

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122257-MS1.088

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	295856			295541.163769	6862086.0848	ng/L
Fe-Precon	54	133	109058			108924.504226	19866033.4433	ng/L
Fe-Precon	56	2555	2259357			2256801.998618	21060325.4290	ng/L
Fe-Precon	57	80	54671			54591.792477	20421611.0400	ng/L
Co-Precon	59	33	439267			439233.739115	3107397.4403	ng/L
Ni-Precon	60	27	87110			87082.524064	3813829.2896	ng/L
Cu-Precon	63	311	180397			180086.195409	3244195.5232	ng/L
Cu-Precon	65	146	85402			85255.612902	3262552.5114	ng/L
Zn-Precon	66	221	308628			308406.901127	17064294.4806	ng/L
Zn-Precon	68	151	206208			206057.609264	17336141.9533	ng/L
Cd-Precon	111	4	64714			64709.746287	3248192.6626	ng/L
Cd-Precon	114	12	165240			165228.246145	3218535.2007	ng/L
Pb-Precon	208	1281	1075284			1074003.625709	3522368.3977	ng/L
Tb-Precon	159	12	45			33.531033		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 07:12:24

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.089

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	3402			3086.709805	72.7087	ng/L
Fe-Precon	54	133	3274			3140.272192	563.7357	ng/L
Fe-Precon	56	2555	63392			60836.976178	559.8333	ng/L
Fe-Precon	57	80	1638			1558.255117	567.0947	ng/L
Co-Precon	59	33	52			18.871143	0.4550	ng/L
Ni-Precon	60	27	241			213.447832	7.8807	ng/L
Cu-Precon	63	311	1289			978.721446	17.2493	ng/L
Cu-Precon	65	146	590			443.680224	16.9047	ng/L
Zn-Precon	66	221	137			-84.528225	-3.5396	ng/L
Zn-Precon	68	151	91			-59.447936	-5.9946	ng/L
Cd-Precon	111	4	7			3.168810	0.3104	ng/L
Cd-Precon	114	12	21			8.804029	-0.1636	ng/L
Pb-Precon	208	1281	429			-851.875703	-0.1405	ng/L
Tb-Precon	159	12	2			-9.638110		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV4

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 07:22:56

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCV4.090

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	11508			11192.437227	260.8845	ng/L
Fe-Precon	54	133	3043			2910.081898	521.7332	ng/L
Fe-Precon	56	2555	58586			56031.118702	514.9681	ng/L
Fe-Precon	57	80	1544			1464.416768	531.9638	ng/L
Co-Precon	59	33	14819			14785.628642	104.9129	ng/L
Ni-Precon	60	27	2195			2168.170052	93.5219	ng/L
Cu-Precon	63	311	6285			5974.587429	107.2589	ng/L
Cu-Precon	65	146	2944			2797.828438	106.9950	ng/L
Zn-Precon	66	221	10377			10155.985340	563.0349	ng/L
Zn-Precon	68	151	6902			6751.136503	567.0297	ng/L
Cd-Precon	111	4	2159			2154.450676	108.2918	ng/L
Cd-Precon	114	12	5531			5519.654500	107.1953	ng/L
Pb-Precon	208	1281	31343			30062.573262	101.1721	ng/L
Tb-Precon	159	12	1			-11.051098		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 07:33:27

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.091

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	733			417.643528	10.7459	ng/L
Fe-Precon	54	133	649			515.676404	84.8294	ng/L
Fe-Precon	56	2555	12878			10322.482226	88.2538	ng/L
Fe-Precon	57	80	358			278.348997	87.9278	ng/L
Co-Precon	59	33	20			-13.731718	0.2243	ng/L
Ni-Precon	60	27	29			1.589636	-1.4013	ng/L
Cu-Precon	63	311	385			73.991826	0.9490	ng/L
Cu-Precon	65	146	183			37.025338	1.3425	ng/L
Zn-Precon	66	221	81			-140.055332	-6.6117	ng/L
Zn-Precon	68	151	64			-87.178295	-8.3277	ng/L
Cd-Precon	111	4	4			0.297284	0.1663	ng/L
Cd-Precon	114	12	10			-1.843144	-0.3710	ng/L
Pb-Precon	208	1281	196			-1084.700136	-0.9035	ng/L
Tb-Precon	159	12	1			-10.323825		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB4

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 07:43:59

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCB4.092

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	813			497.488797	12.5996	ng/L
Fe-Precon	54	133	425			291.373976	43.9013	ng/L
Fe-Precon	56	2555	8013			5457.722115	42.8387	ng/L
Fe-Precon	57	80	245			165.658176	45.7390	ng/L
Co-Precon	59	33	30			-3.248519	0.2985	ng/L
Ni-Precon	60	27	23			-4.252820	-1.6573	ng/L
Cu-Precon	63	311	233			-78.207474	-1.7932	ng/L
Cu-Precon	65	146	109			-37.771440	-1.5199	ng/L
Zn-Precon	66	221	201			-20.617409	-0.0036	ng/L
Zn-Precon	68	151	143			-7.411331	-1.6164	ng/L
Cd-Precon	111	4	8			3.427214	0.3234	ng/L
Cd-Precon	114	12	22			9.964964	-0.1410	ng/L
Pb-Precon	208	1281	376			-904.847126	-0.3141	ng/L
Tb-Precon	159	12	3			-8.283996		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 07:54:31

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.093

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	333			18.069837	1.4698	ng/L
Fe-Precon	54	133	346			212.814154	29.5666	ng/L
Fe-Precon	56	2555	6598			4043.382167	29.6351	ng/L
Fe-Precon	57	80	191			111.113682	25.3188	ng/L
Co-Precon	59	33	16			-16.883248	0.2020	ng/L
Ni-Precon	60	27	15			-11.844201	-1.9899	ng/L
Cu-Precon	63	311	260			-50.319085	-1.2907	ng/L
Cu-Precon	65	146	118			-28.770996	-1.1754	ng/L
Zn-Precon	66	221	79			-142.299437	-6.7359	ng/L
Zn-Precon	68	151	70			-80.549652	-7.7700	ng/L
Cd-Precon	111	4	4			0.116002	0.1572	ng/L
Cd-Precon	114	12	11			-1.197215	-0.3584	ng/L
Pb-Precon	208	1281	194			-1087.248926	-0.9119	ng/L
Tb-Precon	159	12	4			-8.017328		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122257-MSD1

Sample Description: 1000x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 08:05:02

Diluted To Volume (mL): 1000.00

Aliquot Volume (mL): 1

Autosampler Position: 129

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122257-MSD1.094

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	286311			285995.410555	6640479.8836	ng/L
Fe-Precon	54	133	105401			105268.025669	19198841.0224	ng/L
Fe-Precon	56	2555	2176525			2173970.113408	20287046.0765	ng/L
Fe-Precon	57	80	52558			52478.879207	19630585.7161	ng/L
Co-Precon	59	33	435172			435138.982641	3078431.7249	ng/L
Ni-Precon	60	27	63864			63836.480642	2795362.7617	ng/L
Cu-Precon	63	311	178403			178092.308552	3208272.0326	ng/L
Cu-Precon	65	146	84836			84689.347148	3240882.2210	ng/L
Zn-Precon	66	221	310317			310095.237605	17157704.6831	ng/L
Zn-Precon	68	151	207398			207247.429046	17436250.1996	ng/L
Cd-Precon	111	4	64921			64916.708358	3258580.9178	ng/L
Cd-Precon	114	12	164511			164499.754762	3204343.2007	ng/L
Pb-Precon	208	1281	1061713			1060431.755289	3477890.7589	ng/L
Tb-Precon	159	12	42			29.939651		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 08:15:33

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.095

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	3084			2769.282967	65.3396	ng/L
Fe-Precon	54	133	2905			2771.493040	496.4451	ng/L
Fe-Precon	56	2555	56395			53839.782642	494.5108	ng/L
Fe-Precon	57	80	1475			1395.451053	506.1447	ng/L
Co-Precon	59	33	63			29.918896	0.5331	ng/L
Ni-Precon	60	27	176			148.970022	5.0558	ng/L
Cu-Precon	63	311	1211			900.443288	15.8390	ng/L
Cu-Precon	65	146	589			442.318596	16.8526	ng/L
Zn-Precon	66	221	135			-86.121353	-3.6278	ng/L
Zn-Precon	68	151	87			-63.919052	-6.3708	ng/L
Cd-Precon	111	4	9			4.908210	0.3977	ng/L
Cd-Precon	114	12	25			13.027735	-0.0813	ng/L
Pb-Precon	208	1281	449			-831.682293	-0.0744	ng/L
Tb-Precon	159	12	1			-10.365383		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-02
Sample Description: 1000x
Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 08:26:04
 Diluted To Volume (mL): 1000.00
 Aliquot Volume (mL): 1
 Autosampler Position: 130

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam
 Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-02.096
 Calibration File: C:\Elandata\System\2012\12-12\1200959.cal
 Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2100			1784.554856	42479.0085	ng/L
Fe-Precon	54	133	1666			1532.359407	270342.1331	ng/L
Fe-Precon	56	2555	33037			30481.500513	276448.9200	ng/L
Fe-Precon	57	80	902			822.311188	291574.4917	ng/L
Co-Precon	59	33	368			334.718314	2689.2143	ng/L
Ni-Precon	60	27	66			38.559719	218.4085	ng/L
Cu-Precon	63	311	324			13.300629	-144.5030	ng/L
Cu-Precon	65	146	154			7.964912	230.4053	ng/L
Zn-Precon	66	221	1442			1220.348804	68655.0193	ng/L
Zn-Precon	68	151	946			794.856227	65884.2707	ng/L
Cd-Precon	111	4	12			7.639312	534.7776	ng/L
Cd-Precon	114	12	25			13.262502	-76.7111	ng/L
Pb-Precon	208	1281	339			-941.592063	-434.5510	ng/L
Tb-Precon	159	12	5			-6.704774		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 08:36:34

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.097

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	641			326.119619	8.6212	ng/L
Fe-Precon	54	133	440			306.451216	46.6524	ng/L
Fe-Precon	56	2555	8570			6015.184763	48.0430	ng/L
Fe-Precon	57	80	242			162.458161	44.5409	ng/L
Co-Precon	59	33	21			-11.871939	0.2375	ng/L
Ni-Precon	60	27	19			-7.764529	-1.8112	ng/L
Cu-Precon	63	311	323			12.595138	-0.1572	ng/L
Cu-Precon	65	146	158			11.479673	0.3649	ng/L
Zn-Precon	66	221	91			-130.929702	-6.1069	ng/L
Zn-Precon	68	151	70			-80.882140	-7.7980	ng/L
Cd-Precon	111	4	3			-1.613781	0.0703	ng/L
Cd-Precon	114	12	7			-4.841828	-0.4294	ng/L
Pb-Precon	208	1281	180			-1100.928950	-0.9567	ng/L
Tb-Precon	159	12	2			-9.499582		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-05
Sample Description: 1000x
Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 08:47:05
Diluted To Volume (mL): 1000.00
Aliquot Volume (mL): 1
Autosampler Position: 131

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam
Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth
Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-05.098
Calibration File: C:\Elandata\System\2012\12-12\1200959.cal
Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	826			511.347814	12921.3015	ng/L
Fe-Precon	54	133	14837			14703.735017	2673704.2321	ng/L
Fe-Precon	56	2555	284742			282186.697497	2626249.7394	ng/L
Fe-Precon	57	80	7433			7353.605648	2736738.4219	ng/L
Co-Precon	59	33	197			163.576262	1478.5802	ng/L
Ni-Precon	60	27	93			65.933303	1417.7128	ng/L
Cu-Precon	63	311	299			-11.230306	-586.4723	ng/L
Cu-Precon	65	146	153			6.192290	162.5692	ng/L
Zn-Precon	66	221	3327			3105.774596	172969.5369	ng/L
Zn-Precon	68	151	2240			2089.399357	174803.6586	ng/L
Cd-Precon	111	4	12			8.269458	566.4071	ng/L
Cd-Precon	114	12	30			17.926345	14.1468	ng/L
Pb-Precon	208	1281	448			-833.083869	-78.9487	ng/L
Tb-Precon	159	12	9			-2.829440		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 08:57:36

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.099

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	347			31.868674	1.7901	ng/L
Fe-Precon	54	133	646			512.643037	84.2759	ng/L
Fe-Precon	56	2555	12464			9908.842446	84.3923	ng/L
Fe-Precon	57	80	336			256.144897	79.6151	ng/L
Co-Precon	59	33	19			-14.129994	0.2215	ng/L
Ni-Precon	60	27	12			-14.684033	-2.1143	ng/L
Cu-Precon	63	311	261			-49.224450	-1.2710	ng/L
Cu-Precon	65	146	121			-25.685221	-1.0573	ng/L
Zn-Precon	66	221	82			-139.154700	-6.5619	ng/L
Zn-Precon	68	151	66			-85.204253	-8.1617	ng/L
Cd-Precon	111	4	1			-3.110052	-0.0048	ng/L
Cd-Precon	114	12	6			-5.688896	-0.4459	ng/L
Pb-Precon	208	1281	160			-1121.061113	-1.0227	ng/L
Tb-Precon	159	12	2			-9.475340		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-06

Sample Description: 1000x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 09:08:07

Diluted To Volume (mL): 1000.00

Aliquot Volume (mL): 1

Autosampler Position: 132

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-06.100

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	497			181.701001	5268.4976	ng/L
Fe-Precon	54	133	3457			3323.968125	597254.4175	ng/L
Fe-Precon	56	2555	66270			63715.217852	586703.2062	ng/L
Fe-Precon	57	80	1828			1748.104029	638169.6845	ng/L
Co-Precon	59	33	102			68.576194	806.5635	ng/L
Ni-Precon	60	27	75			48.256795	643.2614	ng/L
Cu-Precon	63	311	131			-180.063147	-3628.3023	ng/L
Cu-Precon	65	146	67			-79.688157	-3123.9693	ng/L
Zn-Precon	66	221	398			176.528265	10903.8014	ng/L
Zn-Precon	68	151	277			126.723607	9669.3835	ng/L
Cd-Precon	111	4	7			2.395127	271.5509	ng/L
Cd-Precon	114	12	19			7.551031	-187.9783	ng/L
Pb-Precon	208	1281	203			-1077.742045	-880.7408	ng/L
Tb-Precon	159	12	6			-6.143733		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 09:18:37

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.101

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	226			-88.916309	-1.0139	ng/L
Fe-Precon	54	133	320			186.730601	24.8072	ng/L
Fe-Precon	56	2555	6241			3685.466881	26.2938	ng/L
Fe-Precon	57	80	183			103.147967	22.3366	ng/L
Co-Precon	59	33	14			-19.130867	0.1861	ng/L
Ni-Precon	60	27	11			-16.401788	-2.1896	ng/L
Cu-Precon	63	311	235			-75.438966	-1.7433	ng/L
Cu-Precon	65	146	119			-27.219428	-1.1161	ng/L
Zn-Precon	66	221	80			-141.430224	-6.6878	ng/L
Zn-Precon	68	151	69			-81.709806	-7.8676	ng/L
Cd-Precon	111	4	1			-3.646330	-0.0317	ng/L
Cd-Precon	114	12	7			-5.151801	-0.4354	ng/L
Pb-Precon	208	1281	143			-1137.494305	-1.0766	ng/L
Tb-Precon	159	12	4			-7.619061		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-07
Sample Description: 1000x
Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 09:29:08
Diluted To Volume (mL): 1000.00
Aliquot Volume (mL): 1
Autosampler Position: 133

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam
Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth
Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-07.102
Calibration File: C:\Elandata\System\2012\12-12\1200959.cal
Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	320			4.919637	1164.4897	ng/L
Fe-Precon	54	133	9728			9595.085756	1741536.2964	ng/L
Fe-Precon	56	2555	187858			185302.512265	1721784.7519	ng/L
Fe-Precon	57	80	4916			4836.334764	1794331.0623	ng/L
Co-Precon	59	33	90			57.098868	725.3745	ng/L
Ni-Precon	60	27	46			18.562889	-657.7019	ng/L
Cu-Precon	63	311	141			-170.123439	-3449.2205	ng/L
Cu-Precon	65	146	72			-74.787610	-2936.4314	ng/L
Zn-Precon	66	221	398			176.622160	10908.9963	ng/L
Zn-Precon	68	151	287			135.818869	10434.6344	ng/L
Cd-Precon	111	4	7			2.328481	268.2057	ng/L
Cd-Precon	114	12	16			4.776648	-242.0271	ng/L
Pb-Precon	208	1281	205			-1075.916946	-874.7595	ng/L
Tb-Precon	159	12	3			-9.007807		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 09:39:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.103

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	165			-149.705628	-2.4252	ng/L
Fe-Precon	54	133	480			347.069611	54.0640	ng/L
Fe-Precon	56	2555	9207			6652.255003	53.9903	ng/L
Fe-Precon	57	80	251			171.456232	47.9096	ng/L
Co-Precon	59	33	16			-17.357708	0.1987	ng/L
Ni-Precon	60	27	12			-14.677106	-2.1140	ng/L
Cu-Precon	63	311	225			-85.271592	-1.9205	ng/L
Cu-Precon	65	146	101			-45.290985	-1.8076	ng/L
Zn-Precon	66	221	79			-142.905477	-6.7694	ng/L
Zn-Precon	68	151	67			-83.483050	-8.0168	ng/L
Cd-Precon	111	4	1			-3.104859	-0.0045	ng/L
Cd-Precon	114	12	5			-7.216886	-0.4757	ng/L
Pb-Precon	208	1281	149			-1131.921967	-1.0583	ng/L
Tb-Precon	159	12	2			-9.454560		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122257-DUP2

Sample Description: 1000x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 09:50:09

Diluted To Volume (mL): 1000.00

Aliquot Volume (mL): 1

Autosampler Position: 134

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122257-DUP2.104

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	242			-72.825154	-640.3682	ng/L
Fe-Precon	54	133	9703			9570.037121	1736965.7077	ng/L
Fe-Precon	56	2555	188610			186054.648466	1728806.3402	ng/L
Fe-Precon	57	80	4870			4789.947828	1776964.8779	ng/L
Co-Precon	59	33	99			65.622000	785.6659	ng/L
Ni-Precon	60	27	41			13.922155	-861.0240	ng/L
Cu-Precon	63	311	143			-167.702461	-3405.6022	ng/L
Cu-Precon	65	146	75			-71.722491	-2819.1331	ng/L
Zn-Precon	66	221	582			360.935613	21106.4642	ng/L
Zn-Precon	68	151	407			255.810877	20530.4402	ng/L
Cd-Precon	111	4	5			0.814576	192.2167	ng/L
Cd-Precon	114	12	12			0.657026	-322.2829	ng/L
Pb-Precon	208	1281	378			-903.097300	-308.3962	ng/L
Tb-Precon	159	12	4			-7.404341		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 10:00:39

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.105

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	135			-180.058301	-3.1298	ng/L
Fe-Precon	54	133	446			312.566242	47.7682	ng/L
Fe-Precon	56	2555	8704			6148.892689	49.2912	ng/L
Fe-Precon	57	80	246			165.977743	45.8586	ng/L
Co-Precon	59	33	16			-17.634762	0.1967	ng/L
Ni-Precon	60	27	10			-16.592265	-2.1979	ng/L
Cu-Precon	63	311	206			-104.853676	-2.2733	ng/L
Cu-Precon	65	146	91			-55.306772	-2.1909	ng/L
Zn-Precon	66	221	75			-146.573160	-6.9724	ng/L
Zn-Precon	68	151	64			-86.928947	-8.3068	ng/L
Cd-Precon	111	4	1			-3.043449	-0.0014	ng/L
Cd-Precon	114	12	6			-6.196279	-0.4558	ng/L
Pb-Precon	208	1281	146			-1134.668292	-1.0673	ng/L
Tb-Precon	159	12	3			-9.129019		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122257-MS2

Sample Description: 1000x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 10:11:10

Diluted To Volume (mL): 1000.00

Aliquot Volume (mL): 1

Autosampler Position: 135

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122257-MS2.106

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	270072			269757.195039	6263507.0902	ng/L
Fe-Precon	54	133	82255			82121.877410	14975396.4020	ng/L
Fe-Precon	56	2555	1694211			1691655.617371	15784385.7755	ng/L
Fe-Precon	57	80	41330			41250.793622	15427053.0101	ng/L
Co-Precon	59	33	438429			438395.615219	3101468.6730	ng/L
Ni-Precon	60	27	61704			61677.283284	2700762.9971	ng/L
Cu-Precon	63	311	178432			178121.588735	3208799.5683	ng/L
Cu-Precon	65	146	84066			83919.761242	3211431.1198	ng/L
Zn-Precon	66	221	308333			308111.992616	17047978.1455	ng/L
Zn-Precon	68	151	207380			207229.709247	17434759.3031	ng/L
Cd-Precon	111	4	65438			65433.760953	3284533.8584	ng/L
Cd-Precon	114	12	166354			166342.424468	3240240.9052	ng/L
Pb-Precon	208	1281	1045307			1044026.474742	3424127.4882	ng/L
Tb-Precon	159	12	3			-8.893521		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 10:21:40

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.107

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2647			2331.737217	55.1819	ng/L
Fe-Precon	54	133	2203			2070.175747	368.4767	ng/L
Fe-Precon	56	2555	42455			39899.602474	364.3719	ng/L
Fe-Precon	57	80	1106			1025.964726	367.8176	ng/L
Co-Precon	59	33	63			29.350961	0.5291	ng/L
Ni-Precon	60	27	156			129.322530	4.1950	ng/L
Cu-Precon	63	311	1006			695.099237	12.1393	ng/L
Cu-Precon	65	146	464			317.963616	12.0937	ng/L
Zn-Precon	66	221	127			-93.962130	-4.0616	ng/L
Zn-Precon	68	151	100			-50.879744	-5.2737	ng/L
Cd-Precon	111	4	7			2.413542	0.2725	ng/L
Cd-Precon	114	12	23			11.649925	-0.1081	ng/L
Pb-Precon	208	1281	437			-844.010981	-0.1148	ng/L
Tb-Precon	159	12	2			-9.295252		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122257-MSD2

Sample Description: 1000x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 10:32:10

Diluted To Volume (mL): 1000.00

Aliquot Volume (mL): 1

Autosampler Position: 136

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122257-MSD2.108

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	273834			273518.974749	6350837.4132	ng/L
Fe-Precon	54	133	83418			83284.463168	15187531.7652	ng/L
Fe-Precon	56	2555	1706518			1703962.645824	15899278.3796	ng/L
Fe-Precon	57	80	41898			41818.231595	15639488.5191	ng/L
Co-Precon	59	33	436976			436942.404775	3091188.8724	ng/L
Ni-Precon	60	27	61684			61656.915351	2699870.6277	ng/L
Cu-Precon	63	311	182470			182159.175835	3281544.0280	ng/L
Cu-Precon	65	146	86406			86259.927510	3300986.3899	ng/L
Zn-Precon	66	221	312912			312690.264294	17301279.1256	ng/L
Zn-Precon	68	151	209105			208954.348497	17579865.8255	ng/L
Cd-Precon	111	4	65993			65989.305597	3312418.8691	ng/L
Cd-Precon	114	12	166472			166460.480980	3242540.8061	ng/L
Pb-Precon	208	1281	1047341			1046059.932866	3430791.5230	ng/L
Tb-Precon	159	12	3			-8.322092		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 10:42:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.109

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2811			2496.286733	59.0020	ng/L
Fe-Precon	54	133	2048			1914.489597	340.0689	ng/L
Fe-Precon	56	2555	40179			37623.752069	343.1256	ng/L
Fe-Precon	57	80	1011			931.155871	332.3234	ng/L
Co-Precon	59	33	56			22.507525	0.4807	ng/L
Ni-Precon	60	27	158			130.475858	4.2455	ng/L
Cu-Precon	63	311	912			600.875480	10.4417	ng/L
Cu-Precon	65	146	437			291.010392	11.0622	ng/L
Zn-Precon	66	221	131			-90.827995	-3.8882	ng/L
Zn-Precon	68	151	94			-56.684207	-5.7621	ng/L
Cd-Precon	111	4	7			2.741310	0.2889	ng/L
Cd-Precon	114	12	26			13.858977	-0.0651	ng/L
Pb-Precon	208	1281	366			-915.220874	-0.3481	ng/L
Tb-Precon	159	12	3			-9.032049		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-08
Sample Description: 1000x
Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 10:53:13
Diluted To Volume (mL): 1000.00
Aliquot Volume (mL): 1
Autosampler Position: 137

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam
Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth
Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-08.110
Calibration File: C:\Elandata\System\2012\12-12\1200959.cal
Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2002			1686.600341	40204.9786	ng/L
Fe-Precon	54	133	360			226.532589	32069.7782	ng/L
Fe-Precon	56	2555	7112			4556.787073	34428.0415	ng/L
Fe-Precon	57	80	256			176.815788	49916.1070	ng/L
Co-Precon	59	33	191			157.622381	1436.4633	ng/L
Ni-Precon	60	27	386			358.524853	14236.8706	ng/L
Cu-Precon	63	311	355			44.297723	413.9659	ng/L
Cu-Precon	65	146	179			33.178801	1195.3096	ng/L
Zn-Precon	66	221	1275			1053.615618	59430.2109	ng/L
Zn-Precon	68	151	864			712.812676	58981.3463	ng/L
Cd-Precon	111	4	7			2.329584	268.2611	ng/L
Cd-Precon	114	12	21			8.978033	-160.1784	ng/L
Pb-Precon	208	1281	310			-970.607947	-529.6416	ng/L
Tb-Precon	159	12	5			-6.829448		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 11:03:44

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.111

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	626			310.760396	8.2646	ng/L
Fe-Precon	54	133	273			139.302039	16.1529	ng/L
Fe-Precon	56	2555	5347			2792.309604	17.9557	ng/L
Fe-Precon	57	80	160			79.960826	13.6559	ng/L
Co-Precon	59	33	21			-12.349904	0.2341	ng/L
Ni-Precon	60	27	25			-1.634628	-1.5426	ng/L
Cu-Precon	63	311	287			-23.296876	-0.8039	ng/L
Cu-Precon	65	146	139			-6.983266	-0.3416	ng/L
Zn-Precon	66	221	72			-149.115161	-7.1130	ng/L
Zn-Precon	68	151	53			-97.703088	-9.2133	ng/L
Cd-Precon	111	4	2			-2.597003	0.0210	ng/L
Cd-Precon	114	12	6			-5.890556	-0.4498	ng/L
Pb-Precon	208	1281	148			-1132.985165	-1.0618	ng/L
Tb-Precon	159	12	2			-9.478803		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-09
Sample Description: 1000x
Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 11:14:15
 Diluted To Volume (mL): 1000.00
 Aliquot Volume (mL): 1
 Autosampler Position: 138

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam
 Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-09.112
 Calibration File: C:\Elandata\System\2012\12-12\1200959.cal
 Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	914			599.338129	14964.0109	ng/L
Fe-Precon	54	133	184			50.198138	-105.7172	ng/L
Fe-Precon	56	2555	3679			1123.766219	2378.9805	ng/L
Fe-Precon	57	80	202			122.603331	29620.2309	ng/L
Co-Precon	59	33	74			40.436899	607.5102	ng/L
Ni-Precon	60	27	74			46.715656	575.7403	ng/L
Cu-Precon	63	311	192			-119.080079	-2529.5817	ng/L
Cu-Precon	65	146	105			-41.467111	-1661.2971	ng/L
Zn-Precon	66	221	344			122.880585	7935.6486	ng/L
Zn-Precon	68	151	255			104.287220	7781.6460	ng/L
Cd-Precon	111	4	2			-2.634043	19.1167	ng/L
Cd-Precon	114	12	3			-8.314402	-497.0585	ng/L
Pb-Precon	208	1281	215			-1065.571658	-840.8560	ng/L
Tb-Precon	159	12	2			-9.499582		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 11:24:47

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.113

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	352			36.427366	1.8959	ng/L
Fe-Precon	54	133	173			39.600480	-2.0395	ng/L
Fe-Precon	56	2555	3451			895.822016	0.2510	ng/L
Fe-Precon	57	80	117			37.178437	-2.3609	ng/L
Co-Precon	59	33	18			-15.307483	0.2132	ng/L
Ni-Precon	60	27	12			-15.196590	-2.1368	ng/L
Cu-Precon	63	311	250			-60.321098	-1.4709	ng/L
Cu-Precon	65	146	123			-23.666128	-0.9801	ng/L
Zn-Precon	66	221	69			-152.831265	-7.3186	ng/L
Zn-Precon	68	151	65			-86.035406	-8.2316	ng/L
Cd-Precon	111	4	1			-3.661535	-0.0325	ng/L
Cd-Precon	114	12	4			-7.568644	-0.4825	ng/L
Pb-Precon	208	1281	134			-1146.637277	-1.1065	ng/L
Tb-Precon	159	12	1			-11.113436		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV5

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 11:35:18

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCV5.114

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	9144			8828.815994	206.0127	ng/L
Fe-Precon	54	133	2270			2137.148621	380.6972	ng/L
Fe-Precon	56	2555	43593			41037.605297	374.9957	ng/L
Fe-Precon	57	80	1102			1022.603114	366.5591	ng/L
Co-Precon	59	33	14927			14893.369858	105.6750	ng/L
Ni-Precon	60	27	2008			1980.692728	85.3080	ng/L
Cu-Precon	63	311	6101			5789.928761	103.9319	ng/L
Cu-Precon	65	146	2897			2750.727904	105.1926	ng/L
Zn-Precon	66	221	10502			10280.633363	569.9313	ng/L
Zn-Precon	68	151	7063			6912.135834	580.5758	ng/L
Cd-Precon	111	4	2155			2150.856079	108.1114	ng/L
Cd-Precon	114	12	5619			5607.329942	108.9033	ng/L
Pb-Precon	208	1281	31014			29733.396563	100.0933	ng/L
Tb-Precon	159	12	1			-10.303046		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 11:45:50

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.115

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	297			-17.772962	0.6377	ng/L
Fe-Precon	54	133	237			103.860339	9.6859	ng/L
Fe-Precon	56	2555	4391			1836.227919	9.0302	ng/L
Fe-Precon	57	80	125			45.563071	0.7782	ng/L
Co-Precon	59	33	20			-13.146426	0.2285	ng/L
Ni-Precon	60	27	16			-10.832940	-1.9456	ng/L
Cu-Precon	63	311	257			-53.542967	-1.3488	ng/L
Cu-Precon	65	146	116			-30.360580	-1.2363	ng/L
Zn-Precon	66	221	80			-141.291594	-6.6801	ng/L
Zn-Precon	68	151	69			-81.405074	-7.8420	ng/L
Cd-Precon	111	4	2			-2.475037	0.0271	ng/L
Cd-Precon	114	12	7			-5.170124	-0.4358	ng/L
Pb-Precon	208	1281	150			-1130.394510	-1.0533	ng/L
Tb-Precon	159	12	2			-9.821660		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB5

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 11:56:22

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCB5.116

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	391			76.306028	2.8217	ng/L
Fe-Precon	54	133	161			27.378371	-4.2696	ng/L
Fe-Precon	56	2555	2951			395.608505	-4.4188	ng/L
Fe-Precon	57	80	107			27.342582	-6.0432	ng/L
Co-Precon	59	33	33			-0.398286	0.3186	ng/L
Ni-Precon	60	27	16			-10.684010	-1.9391	ng/L
Cu-Precon	63	311	212			-98.713916	-2.1626	ng/L
Cu-Precon	65	146	103			-43.236844	-1.7290	ng/L
Zn-Precon	66	221	213			-8.837658	0.6481	ng/L
Zn-Precon	68	151	154			3.218092	-0.7220	ng/L
Cd-Precon	111	4	3			-1.158987	0.0932	ng/L
Cd-Precon	114	12	9			-2.841374	-0.3904	ng/L
Pb-Precon	208	1281	430			-850.371568	-0.1356	ng/L
Tb-Precon	159	12	3			-8.630317		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 12:06:53

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.117

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	193			-122.147209	-1.7854	ng/L
Fe-Precon	54	133	133			0.056104	-9.2551	ng/L
Fe-Precon	56	2555	2570			15.237813	-7.9697	ng/L
Fe-Precon	57	80	91			11.761298	-11.8764	ng/L
Co-Precon	59	33	15			-18.580215	0.1900	ng/L
Ni-Precon	60	27	10			-17.423433	-2.2344	ng/L
Cu-Precon	63	311	217			-93.711644	-2.0725	ng/L
Cu-Precon	65	146	94			-52.518870	-2.0842	ng/L
Zn-Precon	66	221	64			-157.818305	-7.5945	ng/L
Zn-Precon	68	151	66			-84.871806	-8.1337	ng/L
Cd-Precon	111	4	1			-3.271443	-0.0129	ng/L
Cd-Precon	114	12	5			-6.787734	-0.4673	ng/L
Pb-Precon	208	1281	124			-1157.110223	-1.1408	ng/L
Tb-Precon	159	12	2			-9.558457		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-10
Sample Description: 1000x
Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 12:17:25
Diluted To Volume (mL): 1000.00
Aliquot Volume (mL): 1
Autosampler Position: 139

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam
Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth
Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-10.118
Calibration File: C:\Elandata\System\2012\12-12\1200959.cal
Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	340			25.320178	1638.0915	ng/L
Fe-Precon	54	133	107			-26.622113	-14122.9988	ng/L
Fe-Precon	56	2555	2225			-330.496499	-11197.3293	ng/L
Fe-Precon	57	80	146			66.878770	8758.2580	ng/L
Co-Precon	59	33	72			38.563296	594.2566	ng/L
Ni-Precon	60	27	63			35.875677	100.8140	ng/L
Cu-Precon	63	311	146			-164.550863	-3348.8204	ng/L
Cu-Precon	65	146	73			-73.506158	-2887.3919	ng/L
Zn-Precon	66	221	125			-96.915861	-4224.9786	ng/L
Zn-Precon	68	151	102			-48.964366	-5112.5315	ng/L
Cd-Precon	111	4	1			-3.375832	-18.1167	ng/L
Cd-Precon	114	12	5			-6.873902	-468.9956	ng/L
Pb-Precon	208	1281	242			-1039.270178	-754.6610	ng/L
Tb-Precon	159	12	4			-7.719492		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 12:27:56

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.119

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	129			-186.126000	-3.2707	ng/L
Fe-Precon	54	133	117			-16.006886	-12.1861	ng/L
Fe-Precon	56	2555	2354			-200.973034	-9.9882	ng/L
Fe-Precon	57	80	87			7.255634	-13.5632	ng/L
Co-Precon	59	33	14			-19.252084	0.1853	ng/L
Ni-Precon	60	27	10			-16.820835	-2.2080	ng/L
Cu-Precon	63	311	198			-112.608050	-2.4130	ng/L
Cu-Precon	65	146	83			-63.538921	-2.5060	ng/L
Zn-Precon	66	221	67			-154.832987	-7.4293	ng/L
Zn-Precon	68	151	58			-92.283156	-8.7573	ng/L
Cd-Precon	111	4	0			-3.782021	-0.0385	ng/L
Cd-Precon	114	12	6			-6.009100	-0.4521	ng/L
Pb-Precon	208	1281	125			-1156.202920	-1.1379	ng/L
Tb-Precon	159	12	2			-9.762786		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-11
Sample Description: 1000x
Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 12:38:27
Diluted To Volume (mL): 1000.00
Aliquot Volume (mL): 1
Autosampler Position: 140

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam
Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth
Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-11.120
Calibration File: C:\Elandata\System\2012\12-12\1200959.cal
Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	320			4.975403	1165.7843	ng/L
Fe-Precon	54	133	37438			37304.463837	6797626.9461	ng/L
Fe-Precon	56	2555	737923			735367.485705	6856931.5062	ng/L
Fe-Precon	57	80	18830			18750.403075	7003432.8970	ng/L
Co-Precon	59	33	650			616.344400	4681.3966	ng/L
Ni-Precon	60	27	251			223.848712	8336.3766	ng/L
Cu-Precon	63	311	350			39.337893	324.6056	ng/L
Cu-Precon	65	146	160			13.458756	440.6479	ng/L
Zn-Precon	66	221	2386			2164.454884	120889.3585	ng/L
Zn-Precon	68	151	1638			1487.334192	124147.5100	ng/L
Cd-Precon	111	4	1			-3.651337	-31.9453	ng/L
Cd-Precon	114	12	2			-10.160221	-533.0175	ng/L
Pb-Precon	208	1281	1299			17.899812	2709.8891	ng/L
Tb-Precon	159	12	87			75.523439		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 12:48:58

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.121

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	105			-210.144107	-3.8282	ng/L
Fe-Precon	54	133	788			654.542234	110.1681	ng/L
Fe-Precon	56	2555	15324			12768.672934	111.0903	ng/L
Fe-Precon	57	80	422			342.236212	111.8456	ng/L
Co-Precon	59	33	14			-19.352517	0.1846	ng/L
Ni-Precon	60	27	9			-18.147244	-2.2661	ng/L
Cu-Precon	63	311	189			-121.747634	-2.5776	ng/L
Cu-Precon	65	146	88			-58.617580	-2.3176	ng/L
Zn-Precon	66	221	75			-146.857084	-6.9881	ng/L
Zn-Precon	68	151	64			-86.866635	-8.3015	ng/L
Cd-Precon	111	4	1			-3.058923	-0.0022	ng/L
Cd-Precon	114	12	5			-6.540787	-0.4625	ng/L
Pb-Precon	208	1281	111			-1169.702675	-1.1821	ng/L
Tb-Precon	159	12	2			-9.236378		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-12
Sample Description: 1000x
Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 12:59:29
 Diluted To Volume (mL): 1000.00
 Aliquot Volume (mL): 1
 Autosampler Position: 141

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam
 Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-12.122
 Calibration File: C:\Elandata\System\2012\12-12\1200959.cal
 Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	185			-130.112955	-1970.3137	ng/L
Fe-Precon	54	133	994			861.032812	147846.1279	ng/L
Fe-Precon	56	2555	19138			16582.980111	146698.8988	ng/L
Fe-Precon	57	80	545			465.339113	157932.4936	ng/L
Co-Precon	59	33	857			824.043883	6150.6327	ng/L
Ni-Precon	60	27	118			91.083937	2519.6241	ng/L
Cu-Precon	63	311	171			-140.009315	-2906.6599	ng/L
Cu-Precon	65	146	83			-63.362185	-2499.1945	ng/L
Zn-Precon	66	221	334			112.731173	7374.1144	ng/L
Zn-Precon	68	151	263			111.886308	8421.0129	ng/L
Cd-Precon	111	4	-0			-4.224654	-60.7224	ng/L
Cd-Precon	114	12	4			-8.206415	-494.9548	ng/L
Pb-Precon	208	1281	287			-993.621790	-605.0624	ng/L
Tb-Precon	159	12	10			-2.119484		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 13:09:59
 Diluted To Volume (mL):
 Aliquot Volume (mL):
 Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam
 Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.123
 Calibration File: C:\Elandata\System\2012\12-12\1200959.cal
 Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	94			-221.202486	-4.0850	ng/L
Fe-Precon	54	133	180			46.465040	-0.7869	ng/L
Fe-Precon	56	2555	3328			772.888594	-0.8966	ng/L
Fe-Precon	57	80	99			19.314791	-9.0486	ng/L
Co-Precon	59	33	14			-19.653815	0.1824	ng/L
Ni-Precon	60	27	12			-14.926459	-2.1250	ng/L
Cu-Precon	63	311	209			-101.376029	-2.2106	ng/L
Cu-Precon	65	146	95			-50.897901	-2.0222	ng/L
Zn-Precon	66	221	62			-159.023609	-7.6612	ng/L
Zn-Precon	68	151	63			-87.690898	-8.3709	ng/L
Cd-Precon	111	4	1			-3.298558	-0.0142	ng/L
Cd-Precon	114	12	6			-5.939211	-0.4508	ng/L
Pb-Precon	208	1281	113			-1167.430760	-1.1747	ng/L
Tb-Precon	159	12	1			-10.611271		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-01RE1

Sample Description: 20x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 13:20:30

Diluted To Volume (mL): 20.00

Aliquot Volume (mL): 1

Autosampler Position: 142

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-01RE1.124

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	7212			6896.824575	3223.2235	ng/L
Fe-Precon	54	133	1627779			1627645.985161	5939699.4670	ng/L
Fe-Precon	56	2555	31968559			31966003.704197	5968227.9725	ng/L
Fe-Precon	57	80	782302			782221.911874	5856586.2836	ng/L
Co-Precon	59	33	12712			12678.384224	1800.1305	ng/L
Ni-Precon	60	27	8268			8241.392320	7192.0949	ng/L
Cu-Precon	63	311	11470			11158.941762	4013.2890	ng/L
Cu-Precon	65	146	5076			4929.835296	3771.6860	ng/L
Zn-Precon	66	221	225003			224781.464340	248751.3849	ng/L
Zn-Precon	68	151	152324			152173.216914	256049.0732	ng/L
Cd-Precon	111	4	32			27.915439	31.0504	ng/L
Cd-Precon	114	12	96			83.853846	25.9701	ng/L
Pb-Precon	208	1281	31027			29746.027051	2002.6940	ng/L
Tb-Precon	159	12	2060			2048.644060		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 13:31:01

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.125

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	161			-153.941205	-2.5235	ng/L
Fe-Precon	54	133	16354			16220.370274	2950.4425	ng/L
Fe-Precon	56	2555	317737			315181.709973	2934.2756	ng/L
Fe-Precon	57	80	8236			8156.069813	3037.1622	ng/L
Co-Precon	59	33	15			-17.897960	0.1949	ng/L
Ni-Precon	60	27	24			-3.355849	-1.6180	ng/L
Cu-Precon	63	311	281			-29.347427	-0.9129	ng/L
Cu-Precon	65	146	127			-19.506561	-0.8209	ng/L
Zn-Precon	66	221	128			-93.158500	-4.0171	ng/L
Zn-Precon	68	151	104			-46.474434	-4.9030	ng/L
Cd-Precon	111	4	1			-3.538623	-0.0263	ng/L
Cd-Precon	114	12	3			-8.917825	-0.5088	ng/L
Pb-Precon	208	1281	171			-1109.521025	-0.9849	ng/L
Tb-Precon	159	12	5			-7.151527		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122257-DUP3

Sample Description: 20x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 13:41:32

Diluted To Volume (mL): 20.00

Aliquot Volume (mL): 1

Autosampler Position: 143

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122257-DUP3.126

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	7249			6933.608133	3240.3022	ng/L
Fe-Precon	54	133	1644209			1644075.281020	5999656.0701	ng/L
Fe-Precon	56	2555	32521663			32519108.079821	6071498.3961	ng/L
Fe-Precon	57	80	788714			788634.723418	5904602.4175	ng/L
Co-Precon	59	33	12530			12496.777437	1774.4372	ng/L
Ni-Precon	60	27	8099			8072.136413	7043.7846	ng/L
Cu-Precon	63	311	11505			11194.355936	4026.0500	ng/L
Cu-Precon	65	146	5133			4987.088959	3815.5065	ng/L
Zn-Precon	66	221	225321			225099.183255	249102.9521	ng/L
Zn-Precon	68	151	151916			151765.729064	255363.3745	ng/L
Cd-Precon	111	4	35			31.205913	34.3536	ng/L
Cd-Precon	114	12	93			81.630773	25.1039	ng/L
Pb-Precon	208	1281	30734			29453.157701	1983.4982	ng/L
Tb-Precon	159	12	2097			2085.529068		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 13:52:02

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.127

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	163			-152.593921	-2.4922	ng/L
Fe-Precon	54	133	16008			15874.990740	2887.4216	ng/L
Fe-Precon	56	2555	311707			309151.616084	2877.9815	ng/L
Fe-Precon	57	80	8069			7989.149661	2974.6712	ng/L
Co-Precon	59	33	17			-16.578485	0.2042	ng/L
Ni-Precon	60	27	27			0.135080	-1.4651	ng/L
Cu-Precon	63	311	214			-96.486031	-2.1225	ng/L
Cu-Precon	65	146	94			-51.888578	-2.0601	ng/L
Zn-Precon	66	221	132			-89.487419	-3.8140	ng/L
Zn-Precon	68	151	96			-55.129038	-5.6312	ng/L
Cd-Precon	111	4	-1			-5.484350	-0.1240	ng/L
Cd-Precon	114	12	3			-8.830879	-0.5071	ng/L
Pb-Precon	208	1281	119			-1161.609029	-1.1556	ng/L
Tb-Precon	159	12	8			-3.501304		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122257-MS3

Sample Description: 20x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 14:02:33

Diluted To Volume (mL): 20.00

Aliquot Volume (mL): 1

Autosampler Position: 144

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122257-MS3.128

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	268461			268146.372487	124522.2317	ng/L
Fe-Precon	54	133	1762174			1762041.070255	6430157.0523	ng/L
Fe-Precon	56	2555	34660242			34657686.746325	6470793.6004	ng/L
Fe-Precon	57	80	850406			850326.156999	6366519.0226	ng/L
Co-Precon	59	33	440891			440857.470822	62377.6697	ng/L
Ni-Precon	60	27	69038			69011.372999	60441.7513	ng/L
Cu-Precon	63	311	197856			197545.646343	71175.1844	ng/L
Cu-Precon	65	146	93335			93189.074282	71323.1254	ng/L
Zn-Precon	66	221	562881			562659.125871	622624.9724	ng/L
Zn-Precon	68	151	363113			362962.476408	610753.9355	ng/L
Cd-Precon	111	4	66233			66229.134678	66489.1370	ng/L
Cd-Precon	114	12	168190			168178.368113	65520.1515	ng/L
Pb-Precon	208	1281	1109366			1108085.545151	72681.2285	ng/L
Tb-Precon	159	12	2134			2121.981823		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 14:13:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.129

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	3506			3191.202817	75.1346	ng/L
Fe-Precon	54	133	16859			16725.350018	3042.5854	ng/L
Fe-Precon	56	2555	327858			325302.538110	3028.7589	ng/L
Fe-Precon	57	80	8547			8467.406504	3153.7194	ng/L
Co-Precon	59	33	62			28.329348	0.5219	ng/L
Ni-Precon	60	27	148			121.135240	3.8362	ng/L
Cu-Precon	63	311	525			214.122317	3.4737	ng/L
Cu-Precon	65	146	247			101.081323	3.7939	ng/L
Zn-Precon	66	221	151			-70.508415	-2.7639	ng/L
Zn-Precon	68	151	110			-40.995410	-4.4420	ng/L
Cd-Precon	111	4	6			1.900410	0.2467	ng/L
Cd-Precon	114	12	17			5.031638	-0.2371	ng/L
Pb-Precon	208	1281	367			-913.579770	-0.3427	ng/L
Tb-Precon	159	12	5			-7.075338		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122257-MSD3

Sample Description: 20x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 14:23:34

Diluted To Volume (mL): 20.00

Aliquot Volume (mL): 1

Autosampler Position: 145

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122257-MSD3.130

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	267460			267144.705124	124057.1543	ng/L
Fe-Precon	54	133	1746281			1746148.057484	6372157.5454	ng/L
Fe-Precon	56	2555	34478230			34475675.303597	6436810.1434	ng/L
Fe-Precon	57	80	843152			843072.176415	6312204.6083	ng/L
Co-Precon	59	33	443126			443093.042786	62693.9519	ng/L
Ni-Precon	60	27	68224			68196.545786	59727.7595	ng/L
Cu-Precon	63	311	199526			199215.358422	71776.8423	ng/L
Cu-Precon	65	146	94117			93971.177189	71921.7277	ng/L
Zn-Precon	66	221	580275			580053.636096	641872.6134	ng/L
Zn-Precon	68	151	365570			365419.467756	614888.4288	ng/L
Cd-Precon	111	4	66401			66396.969239	66657.6228	ng/L
Cd-Precon	114	12	168533			168521.314180	65653.7726	ng/L
Pb-Precon	208	1281	1117081			1115799.766538	73186.8484	ng/L
Tb-Precon	159	12	2093			2081.770278		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 14:34:04

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.131

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	3939			3624.016376	85.1824	ng/L
Fe-Precon	54	133	16835			16701.733701	3038.2762	ng/L
Fe-Precon	56	2555	324146			321591.105536	2994.1107	ng/L
Fe-Precon	57	80	8423			8343.168938	3107.2078	ng/L
Co-Precon	59	33	75			41.361490	0.6141	ng/L
Ni-Precon	60	27	150			122.655526	3.9029	ng/L
Cu-Precon	63	311	534			222.800767	3.6300	ng/L
Cu-Precon	65	146	240			93.752233	3.5134	ng/L
Zn-Precon	66	221	190			-31.562999	-0.6092	ng/L
Zn-Precon	68	151	135			-16.239959	-2.3592	ng/L
Cd-Precon	111	4	11			6.949330	0.5001	ng/L
Cd-Precon	114	12	20			8.357663	-0.1723	ng/L
Pb-Precon	208	1281	420			-861.107730	-0.1708	ng/L
Tb-Precon	159	12	8			-4.103903		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-02RE1

Sample Description: 20x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 14:44:35

Diluted To Volume (mL): 20.00

Aliquot Volume (mL): 1

Autosampler Position: 146

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-02RE1.132

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	3378			3062.431270	1442.9023	ng/L
Fe-Precon	54	133	69553			69419.428946	253151.9754	ng/L
Fe-Precon	56	2555	1454722			1452167.262298	270972.7124	ng/L
Fe-Precon	57	80	34719			34639.297207	259037.2669	ng/L
Co-Precon	59	33	15672			15638.410878	2218.9065	ng/L
Ni-Precon	60	27	640			612.987106	507.7098	ng/L
Cu-Precon	63	311	1112			801.280428	281.0477	ng/L
Cu-Precon	65	146	496			349.269488	265.8342	ng/L
Zn-Precon	66	221	67587			67365.457538	74565.0036	ng/L
Zn-Precon	68	151	45707			45556.602262	76640.3513	ng/L
Cd-Precon	111	4	-2			-6.352566	-3.3506	ng/L
Cd-Precon	114	12	-5			-16.772634	-13.2367	ng/L
Pb-Precon	208	1281	954			-326.810350	31.6041	ng/L
Tb-Precon	159	12	181			168.829210		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 14:55:05

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.133

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	939			624.084190	15.5385	ng/L
Fe-Precon	54	133	3647			3514.083406	631.9445	ng/L
Fe-Precon	56	2555	70610			68055.034796	627.2177	ng/L
Fe-Precon	57	80	1835			1755.770542	641.0398	ng/L
Co-Precon	59	33	37			3.206938	0.3442	ng/L
Ni-Precon	60	27	29			2.320382	-1.3693	ng/L
Cu-Precon	63	311	228			-82.514397	-1.8708	ng/L
Cu-Precon	65	146	100			-46.077108	-1.8377	ng/L
Zn-Precon	66	221	93			-128.931201	-5.9963	ng/L
Zn-Precon	68	151	78			-72.494010	-7.0923	ng/L
Cd-Precon	111	4	3			-1.658873	0.0681	ng/L
Cd-Precon	114	12	8			-3.774967	-0.4086	ng/L
Pb-Precon	208	1281	141			-1139.755690	-1.0840	ng/L
Tb-Precon	159	12	4			-7.231180		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-05RE1

Sample Description: 20x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 15:05:35

Diluted To Volume (mL): 20.00

Aliquot Volume (mL): 1

Autosampler Position: 147

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-05RE1.134

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	1758			1443.163897	691.0712	ng/L
Fe-Precon	54	133	751575			751441.912721	2742105.3493	ng/L
Fe-Precon	56	2555	15666408			15663853.303632	2924444.4648	ng/L
Fe-Precon	57	80	369235			369155.000148	2763734.4165	ng/L
Co-Precon	59	33	2076			2042.205225	295.3546	ng/L
Ni-Precon	60	27	1403			1376.075124	1176.3652	ng/L
Cu-Precon	63	311	1592			1281.657489	454.1450	ng/L
Cu-Precon	65	146	738			591.370111	451.1320	ng/L
Zn-Precon	66	221	62061			61839.981656	68450.8690	ng/L
Zn-Precon	68	151	42040			41888.895721	70468.5314	ng/L
Cd-Precon	111	4	15			11.024232	14.0936	ng/L
Cd-Precon	114	12	52			39.865687	8.8311	ng/L
Pb-Precon	208	1281	3719			2438.388463	212.8460	ng/L
Tb-Precon	159	12	302			290.107093		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 15:16:05

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.135

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	542			226.916891	6.3182	ng/L
Fe-Precon	54	133	9706			9572.571519	1737.4282	ng/L
Fe-Precon	56	2555	189749			187194.073592	1739.4435	ng/L
Fe-Precon	57	80	4945			4865.004283	1805.0643	ng/L
Co-Precon	59	33	34			0.938501	0.3281	ng/L
Ni-Precon	60	27	17			-10.206096	-1.9181	ng/L
Cu-Precon	63	311	236			-74.354836	-1.7238	ng/L
Cu-Precon	65	146	106			-39.870813	-1.6002	ng/L
Zn-Precon	66	221	84			-136.983346	-6.4418	ng/L
Zn-Precon	68	151	75			-75.607544	-7.3542	ng/L
Cd-Precon	111	4	1			-3.067460	-0.0026	ng/L
Cd-Precon	114	12	3			-9.199460	-0.5143	ng/L
Pb-Precon	208	1281	118			-1162.980415	-1.1601	ng/L
Tb-Precon	159	12	6			-5.350659		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-06RE1

Sample Description: 20x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 15:26:35

Diluted To Volume (mL): 20.00

Aliquot Volume (mL): 1

Autosampler Position: 148

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-06RE1.136

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	706			391.054455	202.5734	ng/L
Fe-Precon	54	133	156507			156373.650349	570480.2276	ng/L
Fe-Precon	56	2555	3290530			3287975.165055	613737.4202	ng/L
Fe-Precon	57	80	80501			80420.927432	601828.7045	ng/L
Co-Precon	59	33	2717			2683.391169	386.0677	ng/L
Ni-Precon	60	27	2522			2495.399746	2157.1727	ng/L
Cu-Precon	63	311	374			63.185153	15.0851	ng/L
Cu-Precon	65	146	189			42.498432	31.0392	ng/L
Zn-Precon	66	221	16686			16464.135504	18240.8897	ng/L
Zn-Precon	68	151	11433			11282.492536	18965.7174	ng/L
Cd-Precon	111	4	28			24.242397	27.3631	ng/L
Cd-Precon	114	12	101			88.846925	27.9155	ng/L
Pb-Precon	208	1281	502			-778.846817	1.9759	ng/L
Tb-Precon	159	12	175			163.519659		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 15:37:07

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.137

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	318			3.098713	1.1222	ng/L
Fe-Precon	54	133	4130			3997.024775	720.0661	ng/L
Fe-Precon	56	2555	80615			78059.858738	720.6180	ng/L
Fe-Precon	57	80	2073			1993.279617	729.9577	ng/L
Co-Precon	59	33	31			-2.780997	0.3018	ng/L
Ni-Precon	60	27	15			-12.540301	-2.0204	ng/L
Cu-Precon	63	311	154			-156.693081	-3.2072	ng/L
Cu-Precon	65	146	75			-71.535679	-2.8120	ng/L
Zn-Precon	66	221	93			-128.834182	-5.9909	ng/L
Zn-Precon	68	151	73			-77.560831	-7.5186	ng/L
Cd-Precon	111	4	2			-2.516673	0.0250	ng/L
Cd-Precon	114	12	5			-6.817346	-0.4679	ng/L
Pb-Precon	208	1281	122			-1159.035772	-1.1472	ng/L
Tb-Precon	159	12	6			-5.541136		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV6

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 15:47:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCV6.138

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	8386			8070.702438	188.4129	ng/L
Fe-Precon	54	133	3373			3239.867682	581.9087	ng/L
Fe-Precon	56	2555	66517			63962.187385	589.0088	ng/L
Fe-Precon	57	80	1753			1673.342134	610.1806	ng/L
Co-Precon	59	33	14730			14696.673161	104.2836	ng/L
Ni-Precon	60	27	1900			1873.207834	80.5989	ng/L
Cu-Precon	63	311	6270			5959.768594	106.9919	ng/L
Cu-Precon	65	146	2917			2770.505651	105.9494	ng/L
Zn-Precon	66	221	10906			10684.562428	592.2794	ng/L
Zn-Precon	68	151	7213			7062.604341	593.2358	ng/L
Cd-Precon	111	4	2166			2161.753468	108.6584	ng/L
Cd-Precon	114	12	5548			5536.052935	107.5147	ng/L
Pb-Precon	208	1281	30843			29562.383553	99.5329	ng/L
Tb-Precon	159	12	5			-6.666677		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 15:58:10

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.139

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	293			-22.427159	0.5296	ng/L
Fe-Precon	54	133	1063			929.748440	160.3846	ng/L
Fe-Precon	56	2555	20416			17861.253127	158.6323	ng/L
Fe-Precon	57	80	575			495.173223	169.1017	ng/L
Co-Precon	59	33	32			-1.797445	0.3088	ng/L
Ni-Precon	60	27	16			-11.116918	-1.9580	ng/L
Cu-Precon	63	311	189			-122.059148	-2.5833	ng/L
Cu-Precon	65	146	90			-55.985569	-2.2169	ng/L
Zn-Precon	66	221	76			-145.523739	-6.9143	ng/L
Zn-Precon	68	151	59			-91.271879	-8.6722	ng/L
Cd-Precon	111	4	2			-1.960234	0.0529	ng/L
Cd-Precon	114	12	3			-8.610829	-0.5028	ng/L
Pb-Precon	208	1281	96			-1184.854355	-1.2318	ng/L
Tb-Precon	159	12	2			-9.277937		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB6

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 16:08:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCB6.140

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	427			111.884615	3.6477	ng/L
Fe-Precon	54	133	909			775.439589	132.2281	ng/L
Fe-Precon	56	2555	17740			15185.108078	133.6490	ng/L
Fe-Precon	57	80	496			416.624627	139.6949	ng/L
Co-Precon	59	33	73			39.969522	0.6042	ng/L
Ni-Precon	60	27	17			-10.126439	-1.9147	ng/L
Cu-Precon	63	311	175			-135.409641	-2.8238	ng/L
Cu-Precon	65	146	84			-62.721522	-2.4747	ng/L
Zn-Precon	66	221	214			-7.195605	0.7390	ng/L
Zn-Precon	68	151	158			7.000145	-0.4038	ng/L
Cd-Precon	111	4	2			-2.003702	0.0508	ng/L
Cd-Precon	114	12	6			-6.060456	-0.4531	ng/L
Pb-Precon	208	1281	305			-976.069465	-0.5475	ng/L
Tb-Precon	159	12	2			-9.516898		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 16:19:13

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.141

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	187			-127.743644	-1.9153	ng/L
Fe-Precon	54	133	750			616.820776	103.2851	ng/L
Fe-Precon	56	2555	13940			11385.289583	98.1757	ng/L
Fe-Precon	57	80	387			307.022623	98.6625	ng/L
Co-Precon	59	33	25			-8.277118	0.2629	ng/L
Ni-Precon	60	27	12			-15.470184	-2.1488	ng/L
Cu-Precon	63	311	162			-148.851603	-3.0660	ng/L
Cu-Precon	65	146	73			-72.851649	-2.8623	ng/L
Zn-Precon	66	221	80			-141.056041	-6.6671	ng/L
Zn-Precon	68	151	69			-81.387731	-7.8405	ng/L
Cd-Precon	111	4	2			-2.050426	0.0484	ng/L
Cd-Precon	114	12	3			-8.242682	-0.4957	ng/L
Pb-Precon	208	1281	90			-1190.388646	-1.2499	ng/L
Tb-Precon	159	12	3			-9.073608		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-07RE1

Sample Description: 20x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 16:29:45

Diluted To Volume (mL): 20.00

Aliquot Volume (mL): 1

Autosampler Position: 149

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-07RE1.142

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	313			-2.411319	19.8860	ng/L
Fe-Precon	54	133	453965			453831.818743	1656015.5720	ng/L
Fe-Precon	56	2555	9680501			9677946.023615	1806812.4095	ng/L
Fe-Precon	57	80	232177			232097.209799	1737509.7765	ng/L
Co-Precon	59	33	969			936.182210	138.8777	ng/L
Ni-Precon	60	27	787			759.578372	636.1603	ng/L
Cu-Precon	63	311	479			168.496285	53.0326	ng/L
Cu-Precon	65	146	250			104.147175	78.2236	ng/L
Zn-Precon	66	221	12856			12634.988186	14003.8027	ng/L
Zn-Precon	68	151	8855			8704.345410	14627.3497	ng/L
Cd-Precon	111	4	7			2.624805	5.6616	ng/L
Cd-Precon	114	12	29			16.866867	-0.1299	ng/L
Pb-Precon	208	1281	332			-948.674563	-9.1552	ng/L
Tb-Precon	159	12	54			42.237656		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 16:40:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.143

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	153			-162.457246	-2.7212	ng/L
Fe-Precon	54	133	7030			6896.738906	1249.1728	ng/L
Fe-Precon	56	2555	136811			134256.136690	1245.2399	ng/L
Fe-Precon	57	80	3534			3454.632262	1277.0540	ng/L
Co-Precon	59	33	26			-7.470215	0.2686	ng/L
Ni-Precon	60	27	11			-16.505685	-2.1941	ng/L
Cu-Precon	63	311	139			-172.191372	-3.4865	ng/L
Cu-Precon	65	146	64			-82.112457	-3.2167	ng/L
Zn-Precon	66	221	65			-156.422709	-7.5173	ng/L
Zn-Precon	68	151	60			-90.710845	-8.6250	ng/L
Cd-Precon	111	4	1			-3.678008	-0.0333	ng/L
Cd-Precon	114	12	4			-7.573839	-0.4826	ng/L
Pb-Precon	208	1281	85			-1196.127256	-1.2687	ng/L
Tb-Precon	159	12	2			-9.298716		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122257-DUP4

Sample Description: 20x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 16:50:47

Diluted To Volume (mL): 20.00

Aliquot Volume (mL): 1

Autosampler Position: 150

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122257-DUP4.144

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	239			-75.947851	-14.2572	ng/L
Fe-Precon	54	133	464091			463957.208313	1692966.8795	ng/L
Fe-Precon	56	2555	9906157			9903601.925924	1848944.7477	ng/L
Fe-Precon	57	80	237196			237116.694251	1775093.3288	ng/L
Co-Precon	59	33	701			667.439990	100.8568	ng/L
Ni-Precon	60	27	750			723.215996	604.2978	ng/L
Cu-Precon	63	311	410			99.337857	28.1123	ng/L
Cu-Precon	65	146	221			74.846711	55.7978	ng/L
Zn-Precon	66	221	12341			12119.540819	13433.4420	ng/L
Zn-Precon	68	151	8667			8516.555892	14311.3475	ng/L
Cd-Precon	111	4	3			-1.218663	1.8032	ng/L
Cd-Precon	114	12	36			24.072240	2.6775	ng/L
Pb-Precon	208	1281	331			-949.701904	-9.2226	ng/L
Tb-Precon	159	12	62			50.303616		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 17:01:18

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.145

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	119			-195.809261	-3.4955	ng/L
Fe-Precon	54	133	6937			6804.174951	1232.2828	ng/L
Fe-Precon	56	2555	135062			132507.028882	1228.9111	ng/L
Fe-Precon	57	80	3519			3439.418965	1271.3584	ng/L
Co-Precon	59	33	26			-7.033831	0.2717	ng/L
Ni-Precon	60	27	11			-16.138580	-2.1781	ng/L
Cu-Precon	63	311	162			-149.170439	-3.0717	ng/L
Cu-Precon	65	146	73			-73.028295	-2.8691	ng/L
Zn-Precon	66	221	73			-148.924657	-7.1025	ng/L
Zn-Precon	68	151	64			-86.689962	-8.2867	ng/L
Cd-Precon	111	4	2			-2.627405	0.0194	ng/L
Cd-Precon	114	12	4			-7.485482	-0.4809	ng/L
Pb-Precon	208	1281	87			-1193.425886	-1.2599	ng/L
Tb-Precon	159	12	2			-9.513434		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122257-MS4

Sample Description: 20x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 17:11:50

Diluted To Volume (mL): 20.00

Aliquot Volume (mL): 1

Autosampler Position: 151

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122257-MS4.146

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	236010			235694.701617	109454.8162	ng/L
Fe-Precon	54	133	543123			542989.207815	1981384.0013	ng/L
Fe-Precon	56	2555	11604350			11601794.872453	2166015.2909	ng/L
Fe-Precon	57	80	278276			278196.053469	2082676.3601	ng/L
Co-Precon	59	33	429141			429107.807343	60715.3613	ng/L
Ni-Precon	60	27	57813			57785.712508	50605.2736	ng/L
Cu-Precon	63	311	182909			182598.726587	65789.2667	ng/L
Cu-Precon	65	146	86441			86294.413795	66046.1227	ng/L
Zn-Precon	66	221	335180			334958.880857	370666.5947	ng/L
Zn-Precon	68	151	224931			224779.925770	378227.7493	ng/L
Cd-Precon	111	4	66362			66357.332818	66617.8326	ng/L
Cd-Precon	114	12	167638			167626.571343	65305.1566	ng/L
Pb-Precon	208	1281	1057792			1056511.401135	69300.8600	ng/L
Tb-Precon	159	12	59			47.339062		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 17:22:20

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.147

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	1179			864.041953	21.1092	ng/L
Fe-Precon	54	133	7542			7408.390621	1342.5332	ng/L
Fe-Precon	56	2555	147358			144803.357106	1343.7038	ng/L
Fe-Precon	57	80	3866			3785.964794	1401.0971	ng/L
Co-Precon	59	33	79			45.486404	0.6432	ng/L
Ni-Precon	60	27	124			97.252190	2.7899	ng/L
Cu-Precon	63	311	492			180.836604	2.8740	ng/L
Cu-Precon	65	146	232			85.998794	3.2167	ng/L
Zn-Precon	66	221	122			-99.634977	-4.3754	ng/L
Zn-Precon	68	151	96			-54.602665	-5.5869	ng/L
Cd-Precon	111	4	9			4.490507	0.3767	ng/L
Cd-Precon	114	12	20			8.330977	-0.1728	ng/L
Pb-Precon	208	1281	351			-929.582046	-0.3952	ng/L
Tb-Precon	159	12	3			-8.855425		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122257-MSD4

Sample Description: 20x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 17:32:52

Diluted To Volume (mL): 20.00

Aliquot Volume (mL): 1

Autosampler Position: 152

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122257-MSD4.148

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	237278			236963.283903	110043.8230	ng/L
Fe-Precon	54	133	548154			548020.834163	1999746.2748	ng/L
Fe-Precon	56	2555	11677469			11674913.920746	2179667.3888	ng/L
Fe-Precon	57	80	279990			279910.689168	2095514.7504	ng/L
Co-Precon	59	33	428140			428106.951369	60573.7630	ng/L
Ni-Precon	60	27	57883			57855.904223	50666.7790	ng/L
Cu-Precon	63	311	182799			182488.121497	65749.4116	ng/L
Cu-Precon	65	146	87005			86858.593119	66477.9317	ng/L
Zn-Precon	66	221	334242			334020.314727	369628.0380	ng/L
Zn-Precon	68	151	224299			224148.232485	377164.7697	ng/L
Cd-Precon	111	4	66480			66475.474549	66736.4327	ng/L
Cd-Precon	114	12	167981			167969.498667	65438.7703	ng/L
Pb-Precon	208	1281	1056593			1055312.498071	69222.2793	ng/L
Tb-Precon	159	12	67			55.339170		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 17:43:22

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.149

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	1253			938.230650	22.8315	ng/L
Fe-Precon	54	133	7005			6871.977047	1244.6545	ng/L
Fe-Precon	56	2555	135233			132677.635536	1230.5038	ng/L
Fe-Precon	57	80	3565			3485.235321	1288.5110	ng/L
Co-Precon	59	33	85			51.224971	0.6838	ng/L
Ni-Precon	60	27	145			117.588962	3.6809	ng/L
Cu-Precon	63	311	476			165.670292	2.6007	ng/L
Cu-Precon	65	146	224			78.046365	2.9123	ng/L
Zn-Precon	66	221	120			-101.761506	-4.4931	ng/L
Zn-Precon	68	151	93			-57.858278	-5.8608	ng/L
Cd-Precon	111	4	9			5.247618	0.4147	ng/L
Cd-Precon	114	12	19			7.775487	-0.1836	ng/L
Pb-Precon	208	1281	330			-951.035428	-0.4655	ng/L
Tb-Precon	159	12	5			-6.632043		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-08RE1

Sample Description: 20x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 17:53:53

Diluted To Volume (mL): 20.00

Aliquot Volume (mL): 1

Autosampler Position: 153

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-08RE1.150

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	823			508.345403	257.0320	ng/L
Fe-Precon	54	133	2788			2654.456306	9501.7910	ng/L
Fe-Precon	56	2555	60033			57478.159931	10569.5396	ng/L
Fe-Precon	57	80	3979			3899.812729	28874.3822	ng/L
Co-Precon	59	33	5781			5747.511688	819.5706	ng/L
Ni-Precon	60	27	15121			15094.208850	13196.8710	ng/L
Cu-Precon	63	311	1626			1315.184524	466.2260	ng/L
Cu-Precon	65	146	786			639.476254	487.9513	ng/L
Zn-Precon	66	221	58544			58322.090199	64558.1977	ng/L
Zn-Precon	68	151	39692			39541.232093	66518.0090	ng/L
Cd-Precon	111	4	92			87.357271	90.7228	ng/L
Cd-Precon	114	12	236			223.796148	80.4954	ng/L
Pb-Precon	208	1281	320			-961.213346	-9.9771	ng/L
Tb-Precon	159	12	77			65.140306		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 18:04:24

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.151

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	277			-38.376393	0.1594	ng/L
Fe-Precon	54	133	1134			1000.764319	173.3427	ng/L
Fe-Precon	56	2555	21799			19244.104981	171.5419	ng/L
Fe-Precon	57	80	614			534.370384	183.7762	ng/L
Co-Precon	59	33	37			3.847620	0.3487	ng/L
Ni-Precon	60	27	64			36.634253	0.1340	ng/L
Cu-Precon	63	311	219			-91.903031	-2.0399	ng/L
Cu-Precon	65	146	106			-40.258560	-1.6150	ng/L
Zn-Precon	66	221	88			-133.637890	-6.2567	ng/L
Zn-Precon	68	151	68			-82.277787	-7.9154	ng/L
Cd-Precon	111	4	1			-3.455885	-0.0221	ng/L
Cd-Precon	114	12	2			-9.385571	-0.5179	ng/L
Pb-Precon	208	1281	108			-1173.269774	-1.1938	ng/L
Tb-Precon	159	12	4			-7.542870		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-09RE1

Sample Description: 20x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 18:14:55

Diluted To Volume (mL): 20.00

Aliquot Volume (mL): 1

Autosampler Position: 154

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-09RE1.152

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	3127			2812.366848	1326.7966	ng/L
Fe-Precon	54	133	1499			1365.773311	4798.9081	ng/L
Fe-Precon	56	2555	35590			33034.950911	6005.7345	ng/L
Fe-Precon	57	80	3854			3774.539813	27936.3972	ng/L
Co-Precon	59	33	1946			1912.744734	277.0389	ng/L
Ni-Precon	60	27	2286			2258.610802	1949.6865	ng/L
Cu-Precon	63	311	1475			1164.492532	411.9262	ng/L
Cu-Precon	65	146	736			590.031657	450.1076	ng/L
Zn-Precon	66	221	1736			1514.585859	1698.6841	ng/L
Zn-Precon	68	151	1313			1161.757044	1935.0864	ng/L
Cd-Precon	111	4	5			0.429721	3.4580	ng/L
Cd-Precon	114	12	11			-0.891699	-7.0491	ng/L
Pb-Precon	208	1281	1062			-218.742442	38.6873	ng/L
Tb-Precon	159	12	39			27.279877		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 18:25:26

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.153

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	168			-147.422794	-2.3722	ng/L
Fe-Precon	54	133	624			490.873122	80.3036	ng/L
Fe-Precon	56	2555	12282			9726.705374	82.6920	ng/L
Fe-Precon	57	80	360			280.415295	88.7013	ng/L
Co-Precon	59	33	33			0.162756	0.3226	ng/L
Ni-Precon	60	27	19			-7.941138	-1.8189	ng/L
Cu-Precon	63	311	217			-93.531125	-2.0693	ng/L
Cu-Precon	65	146	108			-38.114816	-1.5330	ng/L
Zn-Precon	66	221	72			-149.845843	-7.1534	ng/L
Zn-Precon	68	151	65			-85.311534	-8.1707	ng/L
Cd-Precon	111	4	1			-3.236539	-0.0111	ng/L
Cd-Precon	114	12	2			-9.316510	-0.5166	ng/L
Pb-Precon	208	1281	94			-1186.499404	-1.2372	ng/L
Tb-Precon	159	12	2			-9.942872		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-10RE1

Sample Description: 20x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 18:35:56

Diluted To Volume (mL): 20.00

Aliquot Volume (mL): 1

Autosampler Position: 155

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-10RE1.154

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2942			2627.334866	1240.8856	ng/L
Fe-Precon	54	133	1184			1050.877726	3649.7372	ng/L
Fe-Precon	56	2555	27791			25235.542295	4549.5026	ng/L
Fe-Precon	57	80	2878			2798.742959	20630.0867	ng/L
Co-Precon	59	33	1949			1915.202290	277.3866	ng/L
Ni-Precon	60	27	2181			2154.359085	1858.3360	ng/L
Cu-Precon	63	311	1030			719.688073	251.6470	ng/L
Cu-Precon	65	146	525			379.090747	288.6586	ng/L
Zn-Precon	66	221	1772			1550.162882	1738.0513	ng/L
Zn-Precon	68	151	1308			1157.419513	1927.7875	ng/L
Cd-Precon	111	4	2			-2.454895	0.5622	ng/L
Cd-Precon	114	12	9			-2.460536	-7.6603	ng/L
Pb-Precon	208	1281	565			-715.340882	6.1384	ng/L
Tb-Precon	159	12	38			26.275550		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 18:46:27

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.155

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	126			-189.481859	-3.3486	ng/L
Fe-Precon	54	133	425			292.025241	44.0201	ng/L
Fe-Precon	56	2555	8454			5898.990718	46.9582	ng/L
Fe-Precon	57	80	245			165.115431	45.5358	ng/L
Co-Precon	59	33	34			0.772292	0.3269	ng/L
Ni-Precon	60	27	19			-7.726428	-1.8095	ng/L
Cu-Precon	63	311	164			-146.323761	-3.0204	ng/L
Cu-Precon	65	146	78			-68.141621	-2.6821	ng/L
Zn-Precon	66	221	70			-150.940306	-7.2140	ng/L
Zn-Precon	68	151	66			-84.425047	-8.0961	ng/L
Cd-Precon	111	4	1			-3.120681	-0.0053	ng/L
Cd-Precon	114	12	5			-6.696754	-0.4655	ng/L
Pb-Precon	208	1281	82			-1199.154111	-1.2786	ng/L
Tb-Precon	159	12	3			-8.661486		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-11RE1

Sample Description: 20x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 18:56:57

Diluted To Volume (mL): 20.00

Aliquot Volume (mL): 1

Autosampler Position: 156

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-11RE1.156

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	5176			4860.693914	2277.8415	ng/L
Fe-Precon	54	133	1933140			1933007.171335	7054075.8588	ng/L
Fe-Precon	56	2555	38137896			38135341.226940	7120108.3898	ng/L
Fe-Precon	57	80	958193			958113.650587	7173581.3685	ng/L
Co-Precon	59	33	14728			14695.095618	2085.4489	ng/L
Ni-Precon	60	27	11451			11423.885498	9980.7525	ng/L
Cu-Precon	63	311	11869			11558.622457	4157.3085	ng/L
Cu-Precon	65	146	5358			5211.576340	3987.3236	ng/L
Zn-Precon	66	221	115792			115570.560071	127905.6552	ng/L
Zn-Precon	68	151	78354			78203.645036	131577.0442	ng/L
Cd-Precon	111	4	8			3.459296	6.4993	ng/L
Cd-Precon	114	12	36			24.001821	2.6501	ng/L
Pb-Precon	208	1281	52186			50905.452190	3389.5644	ng/L
Tb-Precon	159	12	4156			4144.265878		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 19:07:28

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.157

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	133			-182.489205	-3.1862	ng/L
Fe-Precon	54	133	16336			16202.574462	2947.1953	ng/L
Fe-Precon	56	2555	317300			314744.612942	2930.1951	ng/L
Fe-Precon	57	80	8304			8224.168045	3062.6566	ng/L
Co-Precon	59	33	35			1.482235	0.3320	ng/L
Ni-Precon	60	27	33			5.828669	-1.2156	ng/L
Cu-Precon	63	311	208			-102.546472	-2.2317	ng/L
Cu-Precon	65	146	99			-47.458865	-1.8906	ng/L
Zn-Precon	66	221	90			-131.161453	-6.1197	ng/L
Zn-Precon	68	151	73			-77.886207	-7.5459	ng/L
Cd-Precon	111	4	0			-3.795177	-0.0392	ng/L
Cd-Precon	114	12	2			-9.223393	-0.5148	ng/L
Pb-Precon	208	1281	100			-1180.604840	-1.2178	ng/L
Tb-Precon	159	12	6			-5.665809		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-12RE1

Sample Description: 20x

Batch ID: B122257

Sample Date/Time: Saturday, December 22, 2012 19:17:58

Diluted To Volume (mL): 20.00

Aliquot Volume (mL): 1

Autosampler Position: 157

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1248018-12RE1.158

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	511			195.685008	111.8628	ng/L
Fe-Precon	54	133	46607			46473.690313	169414.4522	ng/L
Fe-Precon	56	2555	961065			958510.421025	178801.7709	ng/L
Fe-Precon	57	80	23434			23354.354137	174540.8905	ng/L
Co-Precon	59	33	41180			41146.301232	5827.6890	ng/L
Ni-Precon	60	27	5306			5278.453377	4595.8216	ng/L
Cu-Precon	63	311	1158			847.328764	297.6406	ng/L
Cu-Precon	65	146	534			387.554382	295.1365	ng/L
Zn-Precon	66	221	9384			9162.411859	10161.2742	ng/L
Zn-Precon	68	151	6242			6090.938009	10229.6478	ng/L
Cd-Precon	111	4	-15			-19.531031	-16.5802	ng/L
Cd-Precon	114	12	-19			-30.772865	-18.6916	ng/L
Pb-Precon	208	1281	1492			211.664518	66.8979	ng/L
Tb-Precon	159	12	325			313.286493		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 19:28:29

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.159

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	85			-230.064952	-4.2907	ng/L
Fe-Precon	54	133	2888			2754.876862	493.4131	ng/L
Fe-Precon	56	2555	55493			52937.891778	486.0912	ng/L
Fe-Precon	57	80	1433			1353.836340	490.5651	ng/L
Co-Precon	59	33	30			-3.716077	0.2952	ng/L
Ni-Precon	60	27	22			-4.671851	-1.6757	ng/L
Cu-Precon	63	311	180			-130.229240	-2.7305	ng/L
Cu-Precon	65	146	87			-59.400249	-2.3476	ng/L
Zn-Precon	66	221	77			-144.495036	-6.8574	ng/L
Zn-Precon	68	151	66			-85.131498	-8.1555	ng/L
Cd-Precon	111	4	0			-4.043051	-0.0516	ng/L
Cd-Precon	114	12	2			-9.785685	-0.5257	ng/L
Pb-Precon	208	1281	83			-1197.654557	-1.2737	ng/L
Tb-Precon	159	12	5			-6.625118		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV7

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 19:39:00

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCV7.160

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	7529			7214.043578	168.5255	ng/L
Fe-Precon	54	133	3519			3385.801469	608.5371	ng/L
Fe-Precon	56	2555	67978			65422.687025	602.6433	ng/L
Fe-Precon	57	80	1817			1737.288394	634.1206	ng/L
Co-Precon	59	33	14516			14482.251951	102.7668	ng/L
Ni-Precon	60	27	1833			1805.977481	77.6533	ng/L
Cu-Precon	63	311	6093			5782.478518	103.7977	ng/L
Cu-Precon	65	146	2889			2742.813566	104.8897	ng/L
Zn-Precon	66	221	10968			10746.766917	595.7210	ng/L
Zn-Precon	68	151	7248			7097.357029	596.1598	ng/L
Cd-Precon	111	4	2181			2177.071289	109.4273	ng/L
Cd-Precon	114	12	5519			5506.871921	106.9462	ng/L
Pb-Precon	208	1281	30502			29220.786072	98.4134	ng/L
Tb-Precon	159	12	8			-4.038099		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 19:49:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.161

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	114			-200.751385	-3.6102	ng/L
Fe-Precon	54	133	959			825.394355	141.3432	ng/L
Fe-Precon	56	2555	19154			16598.842805	146.8470	ng/L
Fe-Precon	57	80	519			439.743509	148.3501	ng/L
Co-Precon	59	33	32			-1.146344	0.3134	ng/L
Ni-Precon	60	27	15			-12.020818	-1.9976	ng/L
Cu-Precon	63	311	178			-132.459780	-2.7706	ng/L
Cu-Precon	65	146	92			-54.201860	-2.1486	ng/L
Zn-Precon	66	221	72			-149.741880	-7.1477	ng/L
Zn-Precon	68	151	60			-90.534113	-8.6101	ng/L
Cd-Precon	111	4	2			-2.550275	0.0233	ng/L
Cd-Precon	114	12	2			-9.271297	-0.5157	ng/L
Pb-Precon	208	1281	83			-1197.519470	-1.2733	ng/L
Tb-Precon	159	12	2			-10.025989		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB7

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 20:00:04

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCB7.162

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	147			-168.154191	-2.8534	ng/L
Fe-Precon	54	133	906			772.508013	131.6931	ng/L
Fe-Precon	56	2555	17806			15250.855400	134.2628	ng/L
Fe-Precon	57	80	479			399.689932	133.3550	ng/L
Co-Precon	59	33	69			35.418799	0.5720	ng/L
Ni-Precon	60	27	23			-4.242434	-1.6569	ng/L
Cu-Precon	63	311	156			-154.468387	-3.1672	ng/L
Cu-Precon	65	146	79			-67.795109	-2.6688	ng/L
Zn-Precon	66	221	196			-25.752989	-0.2878	ng/L
Zn-Precon	68	151	148			-2.687023	-1.2189	ng/L
Cd-Precon	111	4	2			-2.679187	0.0169	ng/L
Cd-Precon	114	12	5			-6.256552	-0.4570	ng/L
Pb-Precon	208	1281	272			-1008.413728	-0.6535	ng/L
Tb-Precon	159	12	3			-9.212135		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 20:10:35

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.163

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	65			-249.909501	-4.7514	ng/L
Fe-Precon	54	133	592			458.215623	74.3447	ng/L
Fe-Precon	56	2555	11544			8988.862347	75.8038	ng/L
Fe-Precon	57	80	307			227.594385	68.9264	ng/L
Co-Precon	59	33	28			-5.783621	0.2806	ng/L
Ni-Precon	60	27	12			-14.961093	-2.1265	ng/L
Cu-Precon	63	311	164			-146.635327	-3.0260	ng/L
Cu-Precon	65	146	78			-68.460221	-2.6943	ng/L
Zn-Precon	66	221	73			-148.218144	-7.0634	ng/L
Zn-Precon	68	151	68			-82.606763	-7.9431	ng/L
Cd-Precon	111	4	1			-3.051561	-0.0018	ng/L
Cd-Precon	114	12	2			-10.108578	-0.5320	ng/L
Pb-Precon	208	1281	78			-1202.766266	-1.2905	ng/L
Tb-Precon	159	12	2			-9.475340		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122198-BLK1

Sample Description:

Batch ID: B122198

Sample Date/Time: Saturday, December 22, 2012 20:21:06

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 201

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122198-BLK1.164

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	153			-161.632942	-2.7021	ng/L
Fe-Precon	54	133	513			379.709064	60.0197	ng/L
Fe-Precon	56	2555	10584			8028.542120	66.8387	ng/L
Fe-Precon	57	80	299			219.336266	65.8348	ng/L
Co-Precon	59	33	66			33.004784	0.5549	ng/L
Ni-Precon	60	27	24			-3.016430	-1.6031	ng/L
Cu-Precon	63	311	170			-140.469982	-2.9150	ng/L
Cu-Precon	65	146	76			-69.918106	-2.7501	ng/L
Zn-Precon	66	221	121			-100.240800	-4.4089	ng/L
Zn-Precon	68	151	105			-46.221439	-4.8817	ng/L
Cd-Precon	111	4	0			-3.961098	-0.0475	ng/L
Cd-Precon	114	12	2			-9.890237	-0.5278	ng/L
Pb-Precon	208	1281	158			-1122.299981	-1.0268	ng/L
Tb-Precon	159	12	3			-8.789625		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 20:31:36
 Diluted To Volume (mL):
 Aliquot Volume (mL):
 Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam
 Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.165
 Calibration File: C:\Elandata\System\2012\12-12\1200959.cal
 Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	49			-265.785145	-5.1200	ng/L
Fe-Precon	54	133	444			310.275067	47.3501	ng/L
Fe-Precon	56	2555	8799			6243.550796	50.1749	ng/L
Fe-Precon	57	80	259			179.021396	50.7418	ng/L
Co-Precon	59	33	25			-8.211334	0.2634	ng/L
Ni-Precon	60	27	11			-16.398321	-2.1894	ng/L
Cu-Precon	63	311	182			-128.289912	-2.6955	ng/L
Cu-Precon	65	146	86			-60.214289	-2.3787	ng/L
Zn-Precon	66	221	74			-147.352360	-7.0155	ng/L
Zn-Precon	68	151	63			-87.562673	-8.3601	ng/L
Cd-Precon	111	4	0			-3.901842	-0.0445	ng/L
Cd-Precon	114	12	4			-7.266907	-0.4767	ng/L
Pb-Precon	208	1281	78			-1203.026022	-1.2913	ng/L
Tb-Precon	159	12	2			-9.717764		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122198-BLK2

Sample Description:

Batch ID: B122198

Sample Date/Time: Saturday, December 22, 2012 20:42:07

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 202

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122198-BLK2.166

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	159			-155.866453	-2.5682	ng/L
Fe-Precon	54	133	1092			958.510165	165.6327	ng/L
Fe-Precon	56	2555	21304			18749.376634	166.9234	ng/L
Fe-Precon	57	80	586			506.103829	173.1939	ng/L
Co-Precon	59	33	65			32.114786	0.5486	ng/L
Ni-Precon	60	27	17			-10.112578	-1.9140	ng/L
Cu-Precon	63	311	142			-168.827944	-3.4259	ng/L
Cu-Precon	65	146	64			-81.901046	-3.2087	ng/L
Zn-Precon	66	221	248			26.559017	2.6065	ng/L
Zn-Precon	68	151	176			25.542893	1.1563	ng/L
Cd-Precon	111	4	0			-4.104969	-0.0547	ng/L
Cd-Precon	114	12	2			-9.670709	-0.5235	ng/L
Pb-Precon	208	1281	108			-1173.231615	-1.1937	ng/L
Tb-Precon	159	12	2			-10.084863		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 20:52:37

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.167

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	52			-263.322702	-5.0628	ng/L
Fe-Precon	54	133	348			214.886403	29.9447	ng/L
Fe-Precon	56	2555	6741			4185.719361	30.9639	ng/L
Fe-Precon	57	80	200			119.928865	28.6190	ng/L
Co-Precon	59	33	34			0.955875	0.3282	ng/L
Ni-Precon	60	27	7			-19.639888	-2.3315	ng/L
Cu-Precon	63	311	133			-177.400087	-3.5803	ng/L
Cu-Precon	65	146	53			-92.917780	-3.6303	ng/L
Zn-Precon	66	221	24			-197.389416	-9.7839	ng/L
Zn-Precon	68	151	34			-116.709373	-10.8124	ng/L
Cd-Precon	111	4	1			-3.501143	-0.0244	ng/L
Cd-Precon	114	12	1			-10.349377	-0.5367	ng/L
Pb-Precon	208	1281	58			-1223.036577	-1.3569	ng/L
Tb-Precon	159	12	2			-9.520361		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122198-BLK3

Sample Description:

Batch ID: B122198

Sample Date/Time: Saturday, December 22, 2012 21:03:08

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 203

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122198-BLK3.168

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	131			-183.763555	-3.2158	ng/L
Fe-Precon	54	133	516			382.739669	60.5727	ng/L
Fe-Precon	56	2555	9732			7176.867670	58.8879	ng/L
Fe-Precon	57	80	284			204.745651	60.3724	ng/L
Co-Precon	59	33	60			26.722474	0.5105	ng/L
Ni-Precon	60	27	65			37.683693	0.1800	ng/L
Cu-Precon	63	311	266			-44.637814	-1.1884	ng/L
Cu-Precon	65	146	127			-19.803772	-0.8323	ng/L
Zn-Precon	66	221	852			630.945516	36.0452	ng/L
Zn-Precon	68	151	596			445.644474	36.5025	ng/L
Cd-Precon	111	4	2			-2.501169	0.0258	ng/L
Cd-Precon	114	12	3			-8.274034	-0.4963	ng/L
Pb-Precon	208	1281	267			-1014.098980	-0.6722	ng/L
Tb-Precon	159	12	1			-11.054561		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 21:13:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.169

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	41			-273.958386	-5.3097	ng/L
Fe-Precon	54	133	283			149.584026	18.0291	ng/L
Fe-Precon	56	2555	5318			2762.621207	17.6786	ng/L
Fe-Precon	57	80	150			70.454309	10.0969	ng/L
Co-Precon	59	33	25			-7.878860	0.2657	ng/L
Ni-Precon	60	27	6			-20.800062	-2.3823	ng/L
Cu-Precon	63	311	162			-148.453515	-3.0588	ng/L
Cu-Precon	65	146	80			-65.845439	-2.5942	ng/L
Zn-Precon	66	221	71			-150.787850	-7.2055	ng/L
Zn-Precon	68	151	62			-88.487340	-8.4379	ng/L
Cd-Precon	111	4	1			-3.050394	-0.0018	ng/L
Cd-Precon	114	12	3			-9.115914	-0.5127	ng/L
Pb-Precon	208	1281	70			-1211.251217	-1.3183	ng/L
Tb-Precon	159	12	1			-10.767115		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122198-BLK4

Sample Description:

Batch ID: B122198

Sample Date/Time: Saturday, December 22, 2012 21:24:08

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 204

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122198-BLK4.170

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	85			-229.642263	-4.2809	ng/L
Fe-Precon	54	133	259			126.156358	13.7543	ng/L
Fe-Precon	56	2555	5184			2629.173290	16.4327	ng/L
Fe-Precon	57	80	148			67.939993	9.1556	ng/L
Co-Precon	59	33	60			26.476533	0.5088	ng/L
Ni-Precon	60	27	16			-11.411294	-1.9709	ng/L
Cu-Precon	63	311	88			-222.481823	-4.3926	ng/L
Cu-Precon	65	146	45			-101.461650	-3.9572	ng/L
Zn-Precon	66	221	145			-75.972840	-3.0663	ng/L
Zn-Precon	68	151	107			-43.731201	-4.6722	ng/L
Cd-Precon	111	4	1			-3.344122	-0.0165	ng/L
Cd-Precon	114	12	5			-6.502131	-0.4618	ng/L
Pb-Precon	208	1281	140			-1141.275600	-1.0890	ng/L
Tb-Precon	159	12	1			-10.808674		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 21:34:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.171

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	36			-278.678791	-5.4193	ng/L
Fe-Precon	54	133	245			112.128802	11.1947	ng/L
Fe-Precon	56	2555	4690			2135.313608	11.8223	ng/L
Fe-Precon	57	80	148			68.878457	9.5069	ng/L
Co-Precon	59	33	23			-10.368927	0.2481	ng/L
Ni-Precon	60	27	11			-16.052003	-2.1743	ng/L
Cu-Precon	63	311	153			-157.440992	-3.2207	ng/L
Cu-Precon	65	146	78			-67.944188	-2.6745	ng/L
Zn-Precon	66	221	71			-150.129887	-7.1691	ng/L
Zn-Precon	68	151	61			-89.678747	-8.5381	ng/L
Cd-Precon	111	4	1			-3.284811	-0.0135	ng/L
Cd-Precon	114	12	4			-7.811985	-0.4873	ng/L
Pb-Precon	208	1281	76			-1204.719573	-1.2969	ng/L
Tb-Precon	159	12	0			-11.272743		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122198-BS1

Sample Description:

Batch ID: B122198

Sample Date/Time: Saturday, December 22, 2012 21:45:08

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 205

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122198-BS1.172

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	81436			81120.649807	1884.2793	ng/L
Fe-Precon	54	133	410627			410493.716893	74892.9370	ng/L
Fe-Precon	56	2555	8669758			8667202.958432	80904.8007	ng/L
Fe-Precon	57	80	208498			208417.945522	78010.5260	ng/L
Co-Precon	59	33	268725			268691.563494	1901.0067	ng/L
Ni-Precon	60	27	66220			66193.057140	2898.6102	ng/L
Cu-Precon	63	311	116851			116540.695013	2099.3080	ng/L
Cu-Precon	65	146	54117			53970.370435	2065.3050	ng/L
Zn-Precon	66	221	88192			87970.315944	4868.2504	ng/L
Zn-Precon	68	151	58734			58582.788380	4928.0059	ng/L
Cd-Precon	111	4	4263			4258.919729	213.9236	ng/L
Cd-Precon	114	12	11404			11392.004396	221.5966	ng/L
Pb-Precon	208	1281	145902			144620.940643	476.6020	ng/L
Tb-Precon	159	12	65			52.855976		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 21:55:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.173

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	362			46.963355	2.1405	ng/L
Fe-Precon	54	133	5040			4907.098363	886.1259	ng/L
Fe-Precon	56	2555	98577			96022.082903	888.3048	ng/L
Fe-Precon	57	80	2529			2449.872663	900.8955	ng/L
Co-Precon	59	33	57			23.359599	0.4867	ng/L
Ni-Precon	60	27	144			116.463926	3.6316	ng/L
Cu-Precon	63	311	551			240.668695	3.9519	ng/L
Cu-Precon	65	146	229			82.235286	3.0726	ng/L
Zn-Precon	66	221	44			-177.406556	-8.6783	ng/L
Zn-Precon	68	151	35			-115.472994	-10.7084	ng/L
Cd-Precon	111	4	1			-3.344564	-0.0165	ng/L
Cd-Precon	114	12	43			31.157629	0.2719	ng/L
Pb-Precon	208	1281	94			-1187.139969	-1.2393	ng/L
Tb-Precon	159	12	3			-9.198283		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247017-01

Sample Description:

Batch ID: B122198

Sample Date/Time: Saturday, December 22, 2012 22:06:08

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 206

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1247017-01.174

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	134913			134598.355651	3125.7728	ng/L
Fe-Precon	54	133	235019			234886.001116	42850.0479	ng/L
Fe-Precon	56	2555	4946987			4944431.634803	46150.7661	ng/L
Fe-Precon	57	80	119839			119759.847013	44819.0069	ng/L
Co-Precon	59	33	29638			29604.641065	209.7404	ng/L
Ni-Precon	60	27	66279			66251.540307	2901.1725	ng/L
Cu-Precon	63	311	175962			175651.625163	3164.2987	ng/L
Cu-Precon	65	146	82918			82771.751903	3167.4982	ng/L
Zn-Precon	66	221	15633			15411.925158	853.8291	ng/L
Zn-Precon	68	151	10008			9857.424027	828.3844	ng/L
Cd-Precon	111	4	2143			2138.431649	107.4878	ng/L
Cd-Precon	114	12	5447			5435.528045	105.5564	ng/L
Pb-Precon	208	1281	16869			15588.487612	53.7377	ng/L
Tb-Precon	159	12	1498			1486.537528		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 22:16:37

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.175

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	496			180.433904	5.2391	ng/L
Fe-Precon	54	133	2876			2743.118286	491.2676	ng/L
Fe-Precon	56	2555	56663			54108.346163	497.0180	ng/L
Fe-Precon	57	80	1496			1416.044458	513.8543	ng/L
Co-Precon	59	33	32			-1.271026	0.3125	ng/L
Ni-Precon	60	27	119			91.780188	2.5501	ng/L
Cu-Precon	63	311	542			231.177035	3.7809	ng/L
Cu-Precon	65	146	257			111.094993	4.1771	ng/L
Zn-Precon	66	221	87			-133.949465	-6.2739	ng/L
Zn-Precon	68	151	70			-81.169496	-7.8222	ng/L
Cd-Precon	111	4	-0			-4.672280	-0.0832	ng/L
Cd-Precon	114	12	11			-0.625335	-0.3473	ng/L
Pb-Precon	208	1281	82			-1198.655371	-1.2770	ng/L
Tb-Precon	159	12	25			13.156821		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122198-DUP1

Sample Description:

Batch ID: B122198

Sample Date/Time: Saturday, December 22, 2012 22:27:07

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 207

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122198-DUP1.176

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	135392			135076.429352	3136.8714	ng/L
Fe-Precon	54	133	237080			236946.727360	43226.0657	ng/L
Fe-Precon	56	2555	4968436			4965881.349285	46351.0105	ng/L
Fe-Precon	57	80	120094			120013.933215	44914.1308	ng/L
Co-Precon	59	33	29697			29663.751122	210.1586	ng/L
Ni-Precon	60	27	65709			65681.731057	2876.2077	ng/L
Cu-Precon	63	311	178085			177774.091245	3202.5388	ng/L
Cu-Precon	65	146	83440			83293.378365	3187.4602	ng/L
Zn-Precon	66	221	15559			15337.264459	849.6984	ng/L
Zn-Precon	68	151	9864			9713.114307	816.2426	ng/L
Cd-Precon	111	4	2128			2123.651452	106.7459	ng/L
Cd-Precon	114	12	5458			5445.877716	105.7580	ng/L
Pb-Precon	208	1281	16784			15503.103422	53.4579	ng/L
Tb-Precon	159	12	1610			1598.475828		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 22:37:37

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.177

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	520			205.008049	5.8096	ng/L
Fe-Precon	54	133	3069			2935.284420	526.3319	ng/L
Fe-Precon	56	2555	59476			56920.607145	523.2719	ng/L
Fe-Precon	57	80	1582			1502.545638	546.2384	ng/L
Co-Precon	59	33	31			-2.406974	0.3044	ng/L
Ni-Precon	60	27	139			111.597165	3.4184	ng/L
Cu-Precon	63	311	710			399.772584	6.8185	ng/L
Cu-Precon	65	146	326			180.034997	6.8153	ng/L
Zn-Precon	66	221	85			-136.373665	-6.4081	ng/L
Zn-Precon	68	151	59			-91.441548	-8.6864	ng/L
Cd-Precon	111	4	-1			-5.652351	-0.1324	ng/L
Cd-Precon	114	12	-2			-13.970249	-0.6072	ng/L
Pb-Precon	208	1281	75			-1205.436425	-1.2992	ng/L
Tb-Precon	159	12	32			19.823531		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122198-MS1

Sample Description:

Batch ID: B122198

Sample Date/Time: Saturday, December 22, 2012 22:48:06

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 208

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122198-MS1.178

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	363832			363517.253538	8440.1620	ng/L
Fe-Precon	54	133	319551			319418.099392	58274.4992	ng/L
Fe-Precon	56	2555	6707997			6705441.769983	62590.7249	ng/L
Fe-Precon	57	80	163065			162985.289778	61001.6020	ng/L
Co-Precon	59	33	463936			463902.211974	3281.8987	ng/L
Ni-Precon	60	27	122133			122105.986512	5348.2936	ng/L
Cu-Precon	63	311	364936			364625.253573	6569.0016	ng/L
Cu-Precon	65	146	173714			173567.475796	6642.1383	ng/L
Zn-Precon	66	221	354119			353897.772574	19581.1574	ng/L
Zn-Precon	68	151	237450			237299.278428	19964.7322	ng/L
Cd-Precon	111	4	70026			70021.862196	3514.8290	ng/L
Cd-Precon	114	12	176362			176350.224089	3435.2064	ng/L
Pb-Precon	208	1281	1077011			1075730.229845	3528.0268	ng/L
Tb-Precon	159	12	1512			1499.845152		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 22:58:36

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.179

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	1769			1453.417958	34.7916	ng/L
Fe-Precon	54	133	3654			3520.955272	633.1984	ng/L
Fe-Precon	56	2555	70989			68434.338248	630.7587	ng/L
Fe-Precon	57	80	1939			1859.133322	679.7365	ng/L
Co-Precon	59	33	57			23.314502	0.4864	ng/L
Ni-Precon	60	27	226			199.266420	7.2594	ng/L
Cu-Precon	63	311	1241			930.471892	16.3800	ng/L
Cu-Precon	65	146	582			435.844203	16.6048	ng/L
Zn-Precon	66	221	112			-109.550436	-4.9240	ng/L
Zn-Precon	68	151	86			-64.621987	-6.4299	ng/L
Cd-Precon	111	4	1			-3.033108	-0.0009	ng/L
Cd-Precon	114	12	8			-3.725901	-0.4077	ng/L
Pb-Precon	208	1281	230			-1050.620592	-0.7919	ng/L
Tb-Precon	159	12	33			21.589808		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122198-MSD1

Sample Description:

Batch ID: B122198

Sample Date/Time: Saturday, December 22, 2012 23:09:05

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 209

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122198-MSD1.180

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	351817			351501.745368	8161.2200	ng/L
Fe-Precon	54	133	306354			306220.404045	55866.3345	ng/L
Fe-Precon	56	2555	6447677			6445122.380368	60160.5060	ng/L
Fe-Precon	57	80	156632			156552.234787	58593.2166	ng/L
Co-Precon	59	33	453755			453721.503261	3209.8818	ng/L
Ni-Precon	60	27	120248			120221.234297	5265.7180	ng/L
Cu-Precon	63	311	350726			350414.893900	6312.9762	ng/L
Cu-Precon	65	146	167280			167133.945313	6395.9351	ng/L
Zn-Precon	66	221	341497			341275.411178	18882.8029	ng/L
Zn-Precon	68	151	228908			228757.333635	19246.0359	ng/L
Cd-Precon	111	4	68389			68384.316158	3432.6340	ng/L
Cd-Precon	114	12	172055			172043.054690	3351.2969	ng/L
Pb-Precon	208	1281	1031997			1030716.412035	3380.5078	ng/L
Tb-Precon	159	12	1511			1498.936704		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 23:19:36

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.181

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	1837			1521.987291	36.3835	ng/L
Fe-Precon	54	133	3277			3144.162734	564.4456	ng/L
Fe-Precon	56	2555	64241			61685.576565	567.7554	ng/L
Fe-Precon	57	80	1698			1617.952631	589.4440	ng/L
Co-Precon	59	33	65			31.376922	0.5434	ng/L
Ni-Precon	60	27	223			196.322453	7.1304	ng/L
Cu-Precon	63	311	858			546.986192	9.4708	ng/L
Cu-Precon	65	146	397			251.167987	9.5375	ng/L
Zn-Precon	66	221	119			-102.543939	-4.5364	ng/L
Zn-Precon	68	151	78			-72.396954	-7.0841	ng/L
Cd-Precon	111	4	-1			-5.552577	-0.1274	ng/L
Cd-Precon	114	12	12			-0.186162	-0.3387	ng/L
Pb-Precon	208	1281	215			-1065.880568	-0.8419	ng/L
Tb-Precon	159	12	27			15.130835		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247017-02

Sample Description:

Batch ID: B122198

Sample Date/Time: Saturday, December 22, 2012 23:30:06

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 210

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1247017-02.182

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	335102			334787.284090	7773.1911	ng/L
Fe-Precon	54	133	17581977			17581843.252802	3208124.5663	ng/L
Fe-Precon	56	2555	S		S	S	S	ng/L
Fe-Precon	57	80	9093243			9093163.350962	3404251.4612	ng/L
Co-Precon	59	33	217546			217512.908321	1538.9763	ng/L
Ni-Precon	60	27	242526			242499.252290	10623.0197	ng/L
Cu-Precon	63	311	447014			446703.349635	8047.7875	ng/L
Cu-Precon	65	146	194056			193909.283946	7420.5942	ng/L
Zn-Precon	66	221	255347			255125.960217	14116.4322	ng/L
Zn-Precon	68	151	167818			167666.797946	14106.0420	ng/L
Cd-Precon	111	4	2204			2199.325369	110.5443	ng/L
Cd-Precon	114	12	5721			5709.328152	110.8904	ng/L
Pb-Precon	208	1281	813654			812372.958746	2664.9542	ng/L
Tb-Precon	159	12	34264			34252.485409		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 22, 2012 23:40:36

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.183

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	6030			5714.876241	133.7221	ng/L
Fe-Precon	54	133	55431			55297.668386	10080.8213	ng/L
Fe-Precon	56	2555	1185722			1183167.333981	11037.3794	ng/L
Fe-Precon	57	80	28122			28041.895105	10481.9503	ng/L
Co-Precon	59	33	72			38.452415	0.5935	ng/L
Ni-Precon	60	27	439			411.846963	16.5730	ng/L
Cu-Precon	63	311	2448			2137.688415	38.1302	ng/L
Cu-Precon	65	146	619			472.974834	18.0258	ng/L
Zn-Precon	66	221	336			114.247830	7.4580	ng/L
Zn-Precon	68	151	83			-68.109558	-6.7234	ng/L
Cd-Precon	111	4	-0			-4.547683	-0.0769	ng/L
Cd-Precon	114	12	2			-9.642350	-0.5229	ng/L
Pb-Precon	208	1281	199			-1081.345472	-0.8925	ng/L
Tb-Precon	159	12	34			21.804496		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV8

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 22, 2012 23:51:08

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCV8.184

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	10973			10657.880537	248.4747	ng/L
Fe-Precon	54	133	15922			15788.539336	2871.6469	ng/L
Fe-Precon	56	2555	310248			307692.544215	2864.3603	ng/L
Fe-Precon	57	80	8165			8085.846868	3010.8724	ng/L
Co-Precon	59	33	14571			14538.142055	103.1622	ng/L
Ni-Precon	60	27	1821			1793.677873	77.1145	ng/L
Cu-Precon	63	311	8149			7837.934959	140.8305	ng/L
Cu-Precon	65	146	3350			3203.809836	122.5314	ng/L
Zn-Precon	66	221	11429			11207.244397	621.1977	ng/L
Zn-Precon	68	151	7480			7329.296188	615.6745	ng/L
Cd-Precon	111	4	2267			2263.085405	113.7447	ng/L
Cd-Precon	114	12	5796			5784.522779	112.3553	ng/L
Pb-Precon	208	1281	31220			29938.724687	100.7662	ng/L
Tb-Precon	159	12	24			12.124750		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 00:01:39

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.185

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	1208			892.535792	21.7706	ng/L
Fe-Precon	54	133	5756			5623.131093	1016.7794	ng/L
Fe-Precon	56	2555	111602			109046.498301	1009.8946	ng/L
Fe-Precon	57	80	2967			2887.501993	1064.7336	ng/L
Co-Precon	59	33	37			3.255429	0.3445	ng/L
Ni-Precon	60	27	68			40.703600	0.3123	ng/L
Cu-Precon	63	311	778			466.913494	8.0282	ng/L
Cu-Precon	65	146	241			94.601426	3.5459	ng/L
Zn-Precon	66	221	127			-93.962350	-4.0616	ng/L
Zn-Precon	68	151	68			-82.748782	-7.9551	ng/L
Cd-Precon	111	4	2			-2.548109	0.0234	ng/L
Cd-Precon	114	12	3			-9.058230	-0.5115	ng/L
Pb-Precon	208	1281	114			-1167.219160	-1.1740	ng/L
Tb-Precon	159	12	7			-4.266671		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB8

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 00:12:11

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCB8.186

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	1723			1407.951318	33.7361	ng/L
Fe-Precon	54	133	4497			4364.084836	787.0430	ng/L
Fe-Precon	56	2555	88070			85514.627497	790.2122	ng/L
Fe-Precon	57	80	2315			2235.605560	820.6789	ng/L
Co-Precon	59	33	107			73.501225	0.8414	ng/L
Ni-Precon	60	27	68			40.717525	0.3129	ng/L
Cu-Precon	63	311	850			539.479983	9.3356	ng/L
Cu-Precon	65	146	223			76.669026	2.8596	ng/L
Zn-Precon	66	221	298			76.259906	5.3563	ng/L
Zn-Precon	68	151	166			15.475217	0.3092	ng/L
Cd-Precon	111	4	1			-3.424355	-0.0206	ng/L
Cd-Precon	114	12	9			-2.373469	-0.3813	ng/L
Pb-Precon	208	1281	451			-829.808090	-0.0682	ng/L
Tb-Precon	159	12	9			-2.645887		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 00:22:43

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.187

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	581			265.864166	7.2224	ng/L
Fe-Precon	54	133	2316			2182.567140	388.9846	ng/L
Fe-Precon	56	2555	44835			42280.336333	386.5973	ng/L
Fe-Precon	57	80	1192			1112.838688	400.3412	ng/L
Co-Precon	59	33	43			9.811373	0.3909	ng/L
Ni-Precon	60	27	28			1.198326	-1.4185	ng/L
Cu-Precon	63	311	370			58.782944	0.6749	ng/L
Cu-Precon	65	146	128			-18.630203	-0.7874	ng/L
Zn-Precon	66	221	90			-131.590893	-6.1434	ng/L
Zn-Precon	68	151	65			-86.042340	-8.2322	ng/L
Cd-Precon	111	4	1			-3.008199	0.0003	ng/L
Cd-Precon	114	12	4			-7.266616	-0.4766	ng/L
Pb-Precon	208	1281	87			-1193.938360	-1.2615	ng/L
Tb-Precon	159	12	4			-7.923823		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247017-03

Sample Description:

Batch ID: B122198

Sample Date/Time: Sunday, December 23, 2012 00:33:13

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 211

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1247017-03.188

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	96709			96394.301290	2238.8595	ng/L
Fe-Precon	54	133	567346			567212.740893	103489.2336	ng/L
Fe-Precon	56	2555	12302268			12299712.654305	114816.1953	ng/L
Fe-Precon	57	80	292173			292093.098444	109336.5467	ng/L
Co-Precon	59	33	10323			10289.296898	73.1065	ng/L
Ni-Precon	60	27	19556			19529.143436	854.1490	ng/L
Cu-Precon	63	311	97412			97101.019125	1749.0670	ng/L
Cu-Precon	65	146	45396			45249.317336	1731.5610	ng/L
Zn-Precon	66	221	11334			11112.458302	615.9535	ng/L
Zn-Precon	68	151	7230			7079.216178	594.6335	ng/L
Cd-Precon	111	4	100			95.311948	4.9354	ng/L
Cd-Precon	114	12	258			245.997902	4.4573	ng/L
Pb-Precon	208	1281	19001			17720.643172	60.7252	ng/L
Tb-Precon	159	12	1431			1419.476065		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 00:43:43

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.189

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	657			341.444058	8.9770	ng/L
Fe-Precon	54	133	6098			5965.014578	1079.1624	ng/L
Fe-Precon	56	2555	118967			116412.036984	1078.6558	ng/L
Fe-Precon	57	80	3104			3024.892155	1116.1693	ng/L
Co-Precon	59	33	38			5.087451	0.3575	ng/L
Ni-Precon	60	27	56			29.274885	-0.1884	ng/L
Cu-Precon	63	311	470			158.932879	2.4793	ng/L
Cu-Precon	65	146	186			39.356989	1.4317	ng/L
Zn-Precon	66	221	97			-124.823672	-5.7690	ng/L
Zn-Precon	68	151	65			-85.730631	-8.2059	ng/L
Cd-Precon	111	4	1			-3.305559	-0.0146	ng/L
Cd-Precon	114	12	3			-8.369374	-0.4981	ng/L
Pb-Precon	208	1281	88			-1192.487226	-1.2568	ng/L
Tb-Precon	159	12	5			-6.573169		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247017-04

Sample Description:

Batch ID: B122198

Sample Date/Time: Sunday, December 23, 2012 00:54:14

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 212

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1247017-04.190

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	97931			97615.833354	2267.2176	ng/L
Fe-Precon	54	133	936283			936149.884692	170808.6673	ng/L
Fe-Precon	56	2555	19025876			19023320.943782	177584.6262	ng/L
Fe-Precon	57	80	446445			446365.213473	167092.4194	ng/L
Co-Precon	59	33	15151			15117.365948	107.2595	ng/L
Ni-Precon	60	27	23371			23344.190376	1021.2956	ng/L
Cu-Precon	63	311	100328			100017.542765	1801.6134	ng/L
Cu-Precon	65	146	46098			45952.086562	1758.4551	ng/L
Zn-Precon	66	221	17028			16806.738379	930.9996	ng/L
Zn-Precon	68	151	10891			10739.918534	902.6351	ng/L
Cd-Precon	111	4	136			132.148062	6.7844	ng/L
Cd-Precon	114	12	385			373.182150	6.9350	ng/L
Pb-Precon	208	1281	24204			22922.971887	77.7742	ng/L
Tb-Precon	159	12	1995			1983.760377		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 01:04:44

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.191

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	678			363.285633	9.4840	ng/L
Fe-Precon	54	133	8153			8020.024399	1454.1371	ng/L
Fe-Precon	56	2555	160342			157786.616698	1464.9093	ng/L
Fe-Precon	57	80	4173			4093.775131	1516.3341	ng/L
Co-Precon	59	33	43			9.596605	0.3894	ng/L
Ni-Precon	60	27	61			33.489590	-0.0037	ng/L
Cu-Precon	63	311	465			154.219529	2.3944	ng/L
Cu-Precon	65	146	183			37.171351	1.3481	ng/L
Zn-Precon	66	221	101			-120.342182	-5.5211	ng/L
Zn-Precon	68	151	69			-81.387700	-7.8405	ng/L
Cd-Precon	111	4	1			-3.425679	-0.0206	ng/L
Cd-Precon	114	12	5			-7.094314	-0.4733	ng/L
Pb-Precon	208	1281	81			-1199.829332	-1.2808	ng/L
Tb-Precon	159	12	5			-6.981830		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247017-05

Sample Description:

Batch ID: B122198

Sample Date/Time: Sunday, December 23, 2012 01:15:15

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 213

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1247017-05.192

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	106964			106648.505159	2476.9125	ng/L
Fe-Precon	54	133	735180			735046.379044	134113.5978	ng/L
Fe-Precon	56	2555	15047263			15044707.698145	140442.1723	ng/L
Fe-Precon	57	80	352603			352523.353336	131960.2211	ng/L
Co-Precon	59	33	13355			13321.777615	94.5578	ng/L
Ni-Precon	60	27	25852			25824.611596	1129.9690	ng/L
Cu-Precon	63	311	126613			126302.195921	2275.1792	ng/L
Cu-Precon	65	146	59085			58938.964062	2255.4469	ng/L
Zn-Precon	66	221	16267			16045.320780	888.8728	ng/L
Zn-Precon	68	151	10494			10343.102781	869.2481	ng/L
Cd-Precon	111	4	522			518.050623	26.1544	ng/L
Cd-Precon	114	12	1385			1373.426977	26.4211	ng/L
Pb-Precon	208	1281	22084			20803.102099	70.8270	ng/L
Tb-Precon	159	12	1727			1714.882803		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 01:25:46

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.193

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	589			273.685211	7.4039	ng/L
Fe-Precon	54	133	5101			4967.765092	897.1957	ng/L
Fe-Precon	56	2555	100038			97482.628204	901.9398	ng/L
Fe-Precon	57	80	2614			2534.678172	932.6447	ng/L
Co-Precon	59	33	39			6.123007	0.3648	ng/L
Ni-Precon	60	27	51			24.391638	-0.4023	ng/L
Cu-Precon	63	311	466			154.821010	2.4052	ng/L
Cu-Precon	65	146	194			47.821726	1.7557	ng/L
Zn-Precon	66	221	89			-132.661006	-6.2026	ng/L
Zn-Precon	68	151	70			-80.722736	-7.7846	ng/L
Cd-Precon	111	4	-0			-4.332938	-0.0662	ng/L
Cd-Precon	114	12	2			-9.520714	-0.5206	ng/L
Pb-Precon	208	1281	87			-1193.578178	-1.2604	ng/L
Tb-Precon	159	12	6			-5.232907		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247017-06

Sample Description:

Batch ID: B122198

Sample Date/Time: Sunday, December 23, 2012 01:36:17

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 214

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1247017-06.194

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	93032			92716.779013	2153.4853	ng/L
Fe-Precon	54	133	31840			31707.012410	5776.2680	ng/L
Fe-Precon	56	2555	669875			667319.910462	6221.6715	ng/L
Fe-Precon	57	80	28732			28652.655456	10710.6047	ng/L
Co-Precon	59	33	4413			4379.600066	31.3021	ng/L
Ni-Precon	60	27	20535			20507.897593	897.0306	ng/L
Cu-Precon	63	311	108894			108583.109589	1955.9377	ng/L
Cu-Precon	65	146	51531			51384.454567	1966.3452	ng/L
Zn-Precon	66	221	6173			5951.134652	330.3941	ng/L
Zn-Precon	68	151	3868			3717.415726	311.7806	ng/L
Cd-Precon	111	4	477			472.815646	23.8838	ng/L
Cd-Precon	114	12	1301			1289.261045	24.7815	ng/L
Pb-Precon	208	1281	1811			530.066757	4.3884	ng/L
Tb-Precon	159	12	446			433.930418		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 01:46:47

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.195

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	447			132.185804	4.1190	ng/L
Fe-Precon	54	133	1459			1326.179456	232.7208	ng/L
Fe-Precon	56	2555	27534			24978.531049	225.0758	ng/L
Fe-Precon	57	80	743			663.131152	231.9812	ng/L
Co-Precon	59	33	42			9.142919	0.3861	ng/L
Ni-Precon	60	27	51			23.986446	-0.4201	ng/L
Cu-Precon	63	311	449			138.235990	2.1064	ng/L
Cu-Precon	65	146	210			64.148535	2.3805	ng/L
Zn-Precon	66	221	88			-133.783149	-6.2647	ng/L
Zn-Precon	68	151	70			-80.341773	-7.7525	ng/L
Cd-Precon	111	4	-0			-4.499763	-0.0745	ng/L
Cd-Precon	114	12	3			-8.630827	-0.5032	ng/L
Pb-Precon	208	1281	79			-1202.108269	-1.2883	ng/L
Tb-Precon	159	12	4			-8.183564		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247017-07

Sample Description:

Batch ID: B122198

Sample Date/Time: Sunday, December 23, 2012 01:57:18

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 215

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1247017-07.196

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	89863			89548.282611	2079.9281	ng/L
Fe-Precon	54	133	17983			17850.093338	3247.8157	ng/L
Fe-Precon	56	2555	372432			369876.633509	3444.8816	ng/L
Fe-Precon	57	80	20212			20132.239632	7520.7602	ng/L
Co-Precon	59	33	3526			3492.828643	25.0292	ng/L
Ni-Precon	60	27	20113			20085.472910	878.5231	ng/L
Cu-Precon	63	311	104569			104258.308041	1878.0185	ng/L
Cu-Precon	65	146	49613			49467.075995	1892.9694	ng/L
Zn-Precon	66	221	6183			5961.215964	330.9519	ng/L
Zn-Precon	68	151	3910			3758.931171	315.2736	ng/L
Cd-Precon	111	4	487			482.802212	24.3851	ng/L
Cd-Precon	114	12	1252			1239.917205	23.8202	ng/L
Pb-Precon	208	1281	1432			151.562916	3.1479	ng/L
Tb-Precon	159	12	450			438.208586		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 02:07:49

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.197

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	405			89.513976	3.1284	ng/L
Fe-Precon	54	133	905			771.573543	131.5226	ng/L
Fe-Precon	56	2555	18141			15585.952129	137.3911	ng/L
Fe-Precon	57	80	508			428.024536	143.9628	ng/L
Co-Precon	59	33	38			4.761926	0.3552	ng/L
Ni-Precon	60	27	56			29.392603	-0.1832	ng/L
Cu-Precon	63	311	537			225.798740	3.6840	ng/L
Cu-Precon	65	146	259			112.657022	4.2368	ng/L
Zn-Precon	66	221	78			-143.238015	-6.7878	ng/L
Zn-Precon	68	151	74			-77.089708	-7.4789	ng/L
Cd-Precon	111	4	1			-3.286915	-0.0137	ng/L
Cd-Precon	114	12	3			-9.215463	-0.5146	ng/L
Pb-Precon	208	1281	69			-1212.030435	-1.3208	ng/L
Tb-Precon	159	12	7			-4.446757		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247017-08

Sample Description:

Batch ID: B122198

Sample Date/Time: Sunday, December 23, 2012 02:18:19

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 216

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1247017-08.198

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	90074			89759.290446	2084.8267	ng/L
Fe-Precon	54	133	47001			46867.855795	8542.6454	ng/L
Fe-Precon	56	2555	1016830			1014274.628477	9460.6768	ng/L
Fe-Precon	57	80	42109			42029.229213	15718.4811	ng/L
Co-Precon	59	33	9110			9076.529697	64.5275	ng/L
Ni-Precon	60	27	26464			26436.883239	1156.7941	ng/L
Cu-Precon	63	311	110300			109988.888020	1981.2653	ng/L
Cu-Precon	65	146	52322			52175.435980	1996.6150	ng/L
Zn-Precon	66	221	8869			8647.440898	479.5720	ng/L
Zn-Precon	68	151	5732			5581.537523	468.6228	ng/L
Cd-Precon	111	4	1084			1079.968703	54.3593	ng/L
Cd-Precon	114	12	2767			2755.240225	53.3407	ng/L
Pb-Precon	208	1281	2789			1507.848186	7.5927	ng/L
Tb-Precon	159	12	783			771.721053		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 02:28:49

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.199

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	361			45.548036	2.1077	ng/L
Fe-Precon	54	133	1030			896.834986	154.3789	ng/L
Fe-Precon	56	2555	20275			17719.692315	157.3107	ng/L
Fe-Precon	57	80	548			468.554253	159.1362	ng/L
Co-Precon	59	33	40			6.947225	0.3706	ng/L
Ni-Precon	60	27	57			29.704312	-0.1696	ng/L
Cu-Precon	63	311	506			194.818408	3.1259	ng/L
Cu-Precon	65	146	220			74.016078	2.7581	ng/L
Zn-Precon	66	221	86			-135.653216	-6.3682	ng/L
Zn-Precon	68	151	74			-76.681010	-7.4445	ng/L
Cd-Precon	111	4	1			-3.585107	-0.0286	ng/L
Cd-Precon	114	12	2			-10.044785	-0.5308	ng/L
Pb-Precon	208	1281	81			-1200.130662	-1.2818	ng/L
Tb-Precon	159	12	13			1.257157		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247017-09

Sample Description:

Batch ID: B122198

Sample Date/Time: Sunday, December 23, 2012 02:39:20

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 217

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1247017-09.200

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	90956			90641.128978	2105.2987	ng/L
Fe-Precon	54	133	18578			18444.220902	3356.2254	ng/L
Fe-Precon	56	2555	439244			436688.475624	4068.6054	ng/L
Fe-Precon	57	80	46707			46627.036367	17439.7926	ng/L
Co-Precon	59	33	10354			10320.270152	73.3256	ng/L
Ni-Precon	60	27	32631			32603.829840	1426.9833	ng/L
Cu-Precon	63	311	138923			138612.642937	2496.9742	ng/L
Cu-Precon	65	146	66060			65914.061665	2522.3753	ng/L
Zn-Precon	66	221	8067			7845.951963	435.2282	ng/L
Zn-Precon	68	151	5124			4973.639548	417.4759	ng/L
Cd-Precon	111	4	1631			1626.491637	81.7915	ng/L
Cd-Precon	114	12	4072			4060.030268	78.7598	ng/L
Pb-Precon	208	1281	1874			593.443898	4.5961	ng/L
Tb-Precon	159	12	1002			990.717601		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 02:49:50

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.201

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	331			16.017795	1.4221	ng/L
Fe-Precon	54	133	917			783.184394	133.6412	ng/L
Fe-Precon	56	2555	17560			15005.183078	131.9693	ng/L
Fe-Precon	57	80	486			406.281574	135.8227	ng/L
Co-Precon	59	33	39			5.222546	0.3584	ng/L
Ni-Precon	60	27	56			29.385657	-0.1835	ng/L
Cu-Precon	63	311	515			204.540641	3.3010	ng/L
Cu-Precon	65	146	241			94.474482	3.5410	ng/L
Zn-Precon	66	221	87			-134.101849	-6.2824	ng/L
Zn-Precon	68	151	66			-85.193788	-8.1608	ng/L
Cd-Precon	111	4	-1			-5.340524	-0.1167	ng/L
Cd-Precon	114	12	1			-10.663253	-0.5428	ng/L
Pb-Precon	208	1281	77			-1203.992223	-1.2945	ng/L
Tb-Precon	159	12	13			1.108247		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247017-10

Sample Description:

Batch ID: B122198

Sample Date/Time: Sunday, December 23, 2012 03:00:20

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 218

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1247017-10.202

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	89224			88908.440539	2065.0741	ng/L
Fe-Precon	54	133	46749			46615.661704	8496.6279	ng/L
Fe-Precon	56	2555	966119			963564.261718	8987.2688	ng/L
Fe-Precon	57	80	24071			23991.570802	8965.6035	ng/L
Co-Precon	59	33	10032			9999.170425	71.0542	ng/L
Ni-Precon	60	27	27705			27678.416683	1211.1888	ng/L
Cu-Precon	63	311	109052			108741.525361	1958.7918	ng/L
Cu-Precon	65	146	51447			51300.219987	1963.1216	ng/L
Zn-Precon	66	221	8120			7898.989460	438.1626	ng/L
Zn-Precon	68	151	5197			5046.558791	423.6111	ng/L
Cd-Precon	111	4	1471			1467.233796	73.7977	ng/L
Cd-Precon	114	12	3689			3677.105709	71.2999	ng/L
Pb-Precon	208	1281	2992			1711.471469	8.2601	ng/L
Tb-Precon	159	12	979			966.987617		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 03:10:50

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.203

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	284			-30.835370	0.3344	ng/L
Fe-Precon	54	133	828			694.465359	117.4528	ng/L
Fe-Precon	56	2555	15980			13425.358658	117.2208	ng/L
Fe-Precon	57	80	448			368.045094	121.5079	ng/L
Co-Precon	59	33	33			-0.796558	0.3158	ng/L
Ni-Precon	60	27	58			30.930249	-0.1159	ng/L
Cu-Precon	63	311	425			114.601253	1.6806	ng/L
Cu-Precon	65	146	203			56.823454	2.1002	ng/L
Zn-Precon	66	221	100			-121.187106	-5.5678	ng/L
Zn-Precon	68	151	70			-81.089840	-7.8155	ng/L
Cd-Precon	111	4	-4			-8.183416	-0.2594	ng/L
Cd-Precon	114	12	-3			-14.656230	-0.6206	ng/L
Pb-Precon	208	1281	85			-1196.199876	-1.2689	ng/L
Tb-Precon	159	12	31			18.781105		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247017-11

Sample Description:

Batch ID: B122198

Sample Date/Time: Sunday, December 23, 2012 03:21:20

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 219

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1247017-11.204

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	71578			71263.358193	1655.4406	ng/L
Fe-Precon	54	133	304426			304292.608149	55514.5724	ng/L
Fe-Precon	56	2555	6502934			6500378.893279	60676.3548	ng/L
Fe-Precon	57	80	183280			183200.269817	68569.6178	ng/L
Co-Precon	59	33	16396			16362.442750	116.0670	ng/L
Ni-Precon	60	27	27048			27021.113170	1182.3907	ng/L
Cu-Precon	63	311	69995			69684.471514	1255.1081	ng/L
Cu-Precon	65	146	32861			32714.771254	1251.8795	ng/L
Zn-Precon	66	221	15998			15776.919489	874.0230	ng/L
Zn-Precon	68	151	10538			10387.657250	872.9968	ng/L
Cd-Precon	111	4	1581			1576.521026	79.2832	ng/L
Cd-Precon	114	12	4112			4100.142672	79.5413	ng/L
Pb-Precon	208	1281	16566			15285.344867	52.7443	ng/L
Tb-Precon	159	12	1814			1801.869105		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 03:31:50

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.205

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	306			-9.045556	0.8403	ng/L
Fe-Precon	54	133	2613			2479.995909	443.2560	ng/L
Fe-Precon	56	2555	51744			49189.155097	451.0947	ng/L
Fe-Precon	57	80	1406			1326.890023	480.4770	ng/L
Co-Precon	59	33	41			7.546379	0.3748	ng/L
Ni-Precon	60	27	54			26.701663	-0.3011	ng/L
Cu-Precon	63	311	366			55.778820	0.6208	ng/L
Cu-Precon	65	146	154			7.757368	0.2225	ng/L
Zn-Precon	66	221	94			-127.306813	-5.9064	ng/L
Zn-Precon	68	151	69			-81.266444	-7.8303	ng/L
Cd-Precon	111	4	-0			-4.526101	-0.0759	ng/L
Cd-Precon	114	12	-2			-13.384589	-0.5958	ng/L
Pb-Precon	208	1281	104			-1176.764127	-1.2053	ng/L
Tb-Precon	159	12	26			13.877156		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247017-12

Sample Description:

Batch ID: B122198

Sample Date/Time: Sunday, December 23, 2012 03:42:20

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 220

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1247017-12.206

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	47751			47435.458878	1102.2721	ng/L
Fe-Precon	54	133	2634			2500.438692	446.9862	ng/L
Fe-Precon	56	2555	53651			51095.903910	468.8953	ng/L
Fe-Precon	57	80	2176			2096.076412	768.4424	ng/L
Co-Precon	59	33	5285			5252.156769	37.4745	ng/L
Ni-Precon	60	27	10055			10028.075846	437.8838	ng/L
Cu-Precon	63	311	63899			63588.452047	1145.2772	ng/L
Cu-Precon	65	146	30219			30072.512473	1150.7635	ng/L
Zn-Precon	66	221	14890			14668.482189	812.6968	ng/L
Zn-Precon	68	151	9972			9820.899191	825.3113	ng/L
Cd-Precon	111	4	1314			1309.548561	65.8828	ng/L
Cd-Precon	114	12	3397			3384.977931	65.6089	ng/L
Pb-Precon	208	1281	1896			615.543526	4.6685	ng/L
Tb-Precon	159	12	1071			1059.312879		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 03:52:49

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.207

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	175			-140.220806	-2.2050	ng/L
Fe-Precon	54	133	372			238.629553	34.2771	ng/L
Fe-Precon	56	2555	7381			4826.397026	36.9450	ng/L
Fe-Precon	57	80	230			149.959675	39.8618	ng/L
Co-Precon	59	33	35			1.350655	0.3310	ng/L
Ni-Precon	60	27	36			8.540344	-1.0968	ng/L
Cu-Precon	63	311	291			-19.513909	-0.7357	ng/L
Cu-Precon	65	146	137			-9.597200	-0.4417	ng/L
Zn-Precon	66	221	93			-128.013080	-5.9455	ng/L
Zn-Precon	68	151	77			-73.366777	-7.1657	ng/L
Cd-Precon	111	4	-2			-5.774538	-0.1385	ng/L
Cd-Precon	114	12	-3			-14.952506	-0.6264	ng/L
Pb-Precon	208	1281	76			-1204.414744	-1.2959	ng/L
Tb-Precon	159	12	23			11.442508		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV9

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 04:03:21

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCV9.208

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	32869			32553.827585	756.7926	ng/L
Fe-Precon	54	133	8054			7921.157370	1436.0970	ng/L
Fe-Precon	56	2555	158470			155914.807869	1447.4350	ng/L
Fe-Precon	57	80	4109			4029.178839	1492.1508	ng/L
Co-Precon	59	33	68692			68659.178798	486.0066	ng/L
Ni-Precon	60	27	7655			7628.155659	332.7373	ng/L
Cu-Precon	63	311	28516			28204.952356	507.7793	ng/L
Cu-Precon	65	146	13429			13282.706366	508.2384	ng/L
Zn-Precon	66	221	55570			55348.801561	3063.4074	ng/L
Zn-Precon	68	151	36882			36731.209600	3089.4727	ng/L
Cd-Precon	111	4	11228			11223.720909	563.5148	ng/L
Cd-Precon	114	12	28163			28151.678277	548.0978	ng/L
Pb-Precon	208	1281	149765			148483.880973	489.2616	ng/L
Tb-Precon	159	12	20			8.394880		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 04:13:52

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.209

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	342			27.382199	1.6860	ng/L
Fe-Precon	54	133	480			347.113303	54.0720	ng/L
Fe-Precon	56	2555	9285			6730.352341	54.7194	ng/L
Fe-Precon	57	80	261			181.011755	51.4870	ng/L
Co-Precon	59	33	42			8.730818	0.3832	ng/L
Ni-Precon	60	27	40			13.108401	-0.8967	ng/L
Cu-Precon	63	311	335			24.617516	0.0594	ng/L
Cu-Precon	65	146	156			9.936154	0.3058	ng/L
Zn-Precon	66	221	100			-121.529833	-5.5868	ng/L
Zn-Precon	68	151	89			-62.090442	-6.2169	ng/L
Cd-Precon	111	4	2			-1.853159	0.0583	ng/L
Cd-Precon	114	12	6			-6.178028	-0.4554	ng/L
Pb-Precon	208	1281	130			-1150.494550	-1.1192	ng/L
Tb-Precon	159	12	5			-6.871008		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB9

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 04:24:24

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCB9.210

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	356			41.382025	2.0110	ng/L
Fe-Precon	54	133	343			209.606970	28.9814	ng/L
Fe-Precon	56	2555	6508			3952.759594	28.7891	ng/L
Fe-Precon	57	80	197			117.756914	27.8058	ng/L
Co-Precon	59	33	93			60.153471	0.7470	ng/L
Ni-Precon	60	27	26			-1.212077	-1.5241	ng/L
Cu-Precon	63	311	203			-107.384179	-2.3189	ng/L
Cu-Precon	65	146	98			-47.860323	-1.9060	ng/L
Zn-Precon	66	221	246			24.162355	2.4739	ng/L
Zn-Precon	68	151	178			26.903845	1.2708	ng/L
Cd-Precon	111	4	0			-3.939065	-0.0464	ng/L
Cd-Precon	114	12	6			-5.633282	-0.4448	ng/L
Pb-Precon	208	1281	550			-730.672174	0.2567	ng/L
Tb-Precon	159	12	8			-3.743727		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 04:34:56

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.211

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	114			-200.667966	-3.6083	ng/L
Fe-Precon	54	133	243			109.996469	10.8056	ng/L
Fe-Precon	56	2555	4571			2016.143104	10.7098	ng/L
Fe-Precon	57	80	140			60.112899	6.2253	ng/L
Co-Precon	59	33	29			-3.844206	0.2943	ng/L
Ni-Precon	60	27	12			-15.283166	-2.1406	ng/L
Cu-Precon	63	311	204			-106.452379	-2.3021	ng/L
Cu-Precon	65	146	97			-49.557482	-1.9709	ng/L
Zn-Precon	66	221	94			-127.050416	-5.8922	ng/L
Zn-Precon	68	151	80			-71.049825	-6.9707	ng/L
Cd-Precon	111	4	1			-3.336592	-0.0161	ng/L
Cd-Precon	114	12	3			-8.725019	-0.5051	ng/L
Pb-Precon	208	1281	81			-1199.971301	-1.2813	ng/L
Tb-Precon	159	12	3			-8.242436		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247011-04

Sample Description: 10x

Batch ID: B122198

Sample Date/Time: Sunday, December 23, 2012 04:45:25

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 221

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1247011-04.212

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	8164			7848.734830	1832.5993	ng/L
Fe-Precon	54	133	16137			16003.781204	29109.2180	ng/L
Fe-Precon	56	2555	316557			314001.881062	29232.6126	ng/L
Fe-Precon	57	80	9171			9090.957381	33871.6229	ng/L
Co-Precon	59	33	2491			2457.803301	177.0761	ng/L
Ni-Precon	60	27	2031			2003.511237	863.0778	ng/L
Cu-Precon	63	311	11437			11126.529761	2000.8049	ng/L
Cu-Precon	65	146	5399			5252.460524	2009.3077	ng/L
Zn-Precon	66	221	1689			1467.430766	823.2527	ng/L
Zn-Precon	68	151	1131			980.726796	815.2292	ng/L
Cd-Precon	111	4	13			8.330639	5.6948	ng/L
Cd-Precon	114	12	27			15.136022	-0.4021	ng/L
Pb-Precon	208	1281	4650			3368.792007	136.9141	ng/L
Tb-Precon	159	12	226			214.650245		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 04:55:55

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.213

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	107			-207.629391	-3.7699	ng/L
Fe-Precon	54	133	581			447.722985	72.4301	ng/L
Fe-Precon	56	2555	11325			8769.679992	73.7576	ng/L
Fe-Precon	57	80	311			231.433171	70.3636	ng/L
Co-Precon	59	33	32			-1.662357	0.3097	ng/L
Ni-Precon	60	27	14			-13.045931	-2.0426	ng/L
Cu-Precon	63	311	221			-89.751751	-2.0012	ng/L
Cu-Precon	65	146	98			-48.805894	-1.9421	ng/L
Zn-Precon	66	221	94			-127.805478	-5.9340	ng/L
Zn-Precon	68	151	78			-72.552931	-7.0972	ng/L
Cd-Precon	111	4	-0			-4.202956	-0.0596	ng/L
Cd-Precon	114	12	2			-9.749794	-0.5250	ng/L
Pb-Precon	208	1281	79			-1202.066614	-1.2882	ng/L
Tb-Precon	159	12	4			-8.121226		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122198-DUP2

Sample Description: 10x

Batch ID: B122198

Sample Date/Time: Sunday, December 23, 2012 05:06:24

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 222

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122198-DUP2.214

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	8100			7784.528610	1817.6937	ng/L
Fe-Precon	54	133	16064			15930.715245	28975.8956	ng/L
Fe-Precon	56	2555	316075			313519.700985	29187.5986	ng/L
Fe-Precon	57	80	9108			9028.609747	33638.2079	ng/L
Co-Precon	59	33	2495			2461.866137	177.3635	ng/L
Ni-Precon	60	27	2036			2009.373607	865.6463	ng/L
Cu-Precon	63	311	11449			11138.040286	2002.8787	ng/L
Cu-Precon	65	146	5408			5261.520530	2012.7748	ng/L
Zn-Precon	66	221	1400			1178.992464	663.6691	ng/L
Zn-Precon	68	151	938			787.640618	652.7717	ng/L
Cd-Precon	111	4	10			5.911994	4.4808	ng/L
Cd-Precon	114	12	39			26.922571	1.8941	ng/L
Pb-Precon	208	1281	4726			3444.974703	139.4107	ng/L
Tb-Precon	159	12	241			229.421714		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 05:16:54

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.215

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	89			-225.683580	-4.1890	ng/L
Fe-Precon	54	133	585			451.341357	73.0903	ng/L
Fe-Precon	56	2555	11471			8915.848368	75.1222	ng/L
Fe-Precon	57	80	309			229.636584	69.6910	ng/L
Co-Precon	59	33	34			0.481387	0.3249	ng/L
Ni-Precon	60	27	14			-13.129046	-2.0462	ng/L
Cu-Precon	63	311	208			-102.961478	-2.2392	ng/L
Cu-Precon	65	146	85			-61.052064	-2.4108	ng/L
Zn-Precon	66	221	98			-123.618275	-5.7023	ng/L
Zn-Precon	68	151	78			-73.044608	-7.1386	ng/L
Cd-Precon	111	4	1			-3.092009	-0.0039	ng/L
Cd-Precon	114	12	3			-9.114430	-0.5126	ng/L
Pb-Precon	208	1281	60			-1220.331794	-1.3480	ng/L
Tb-Precon	159	12	5			-6.992219		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122198-MS2

Sample Description: 10x

Batch ID: B122198

Sample Date/Time: Sunday, December 23, 2012 05:27:24

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 223

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122198-MS2.216

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	184572			184257.047760	42786.0737	ng/L
Fe-Precon	54	133	72279			72145.233955	131549.7252	ng/L
Fe-Precon	56	2555	1494363			1491807.662756	139186.9967	ng/L
Fe-Precon	57	80	37804			37723.904665	141066.6825	ng/L
Co-Precon	59	33	412736			412702.967978	29197.2260	ng/L
Ni-Precon	60	27	47881			47853.924600	20951.2754	ng/L
Cu-Precon	63	311	182627			182316.483199	32843.7821	ng/L
Cu-Precon	65	146	86149			86003.134001	32911.5922	ng/L
Zn-Precon	66	221	328486			328264.492736	181629.5087	ng/L
Zn-Precon	68	151	220160			220009.428304	185100.1060	ng/L
Cd-Precon	111	4	66511			66506.898302	33383.9892	ng/L
Cd-Precon	114	12	166934			166922.490916	32515.4139	ng/L
Pb-Precon	208	1281	1017794			1016513.349073	33339.6167	ng/L
Tb-Precon	159	12	229			217.545603		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 05:37:54

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.217

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	727			411.603082	10.6057	ng/L
Fe-Precon	54	133	1561			1427.514232	251.2112	ng/L
Fe-Precon	56	2555	30406			27850.738114	251.8894	ng/L
Fe-Precon	57	80	849			769.477434	271.7948	ng/L
Co-Precon	59	33	72			38.490657	0.5937	ng/L
Ni-Precon	60	27	130			102.544549	3.0217	ng/L
Cu-Precon	63	311	850			539.188145	9.3303	ng/L
Cu-Precon	65	146	426			279.546733	10.6235	ng/L
Zn-Precon	66	221	141			-80.485741	-3.3160	ng/L
Zn-Precon	68	151	98			-52.451835	-5.4060	ng/L
Cd-Precon	111	4	3			-1.456160	0.0782	ng/L
Cd-Precon	114	12	16			4.269243	-0.2519	ng/L
Pb-Precon	208	1281	324			-957.234750	-0.4858	ng/L
Tb-Precon	159	12	4			-7.601744		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122198-MSD2

Sample Description: 10x

Batch ID: B122198

Sample Date/Time: Sunday, December 23, 2012 05:48:24

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 224

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122198-MSD2.218

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	178393			178077.854236	41351.5640	ng/L
Fe-Precon	54	133	71018			70884.583974	129249.4352	ng/L
Fe-Precon	56	2555	1466899			1464344.405326	136623.1568	ng/L
Fe-Precon	57	80	37019			36939.386525	138129.6300	ng/L
Co-Precon	59	33	400663			400629.630151	28343.1755	ng/L
Ni-Precon	60	27	46467			46439.770115	20331.6994	ng/L
Cu-Precon	63	311	180660			180349.000352	32489.3043	ng/L
Cu-Precon	65	146	85257			85110.682218	32570.0619	ng/L
Zn-Precon	66	221	318732			318510.596907	176232.9932	ng/L
Zn-Precon	68	151	215019			214868.186663	180774.4031	ng/L
Cd-Precon	111	4	65098			65094.297021	32674.9480	ng/L
Cd-Precon	114	12	163042			163030.409959	31757.1837	ng/L
Pb-Precon	208	1281	989685			988404.660287	32418.4407	ng/L
Tb-Precon	159	12	226			214.463159		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 05:58:54

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.219

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	740			424.654543	10.9087	ng/L
Fe-Precon	54	133	1433			1299.761084	227.9002	ng/L
Fe-Precon	56	2555	28470			25915.319515	233.8212	ng/L
Fe-Precon	57	80	768			688.330163	241.4151	ng/L
Co-Precon	59	33	136			102.320745	1.0453	ng/L
Ni-Precon	60	27	153			125.502763	4.0276	ng/L
Cu-Precon	63	311	745			433.786449	7.4313	ng/L
Cu-Precon	65	146	357			210.264368	7.9722	ng/L
Zn-Precon	66	221	192			-29.845461	-0.5142	ng/L
Zn-Precon	68	151	126			-25.050453	-3.1005	ng/L
Cd-Precon	111	4	11			7.075011	0.5065	ng/L
Cd-Precon	114	12	30			17.808357	0.0118	ng/L
Pb-Precon	208	1281	427			-854.181901	-0.1481	ng/L
Tb-Precon	159	12	4			-7.262349		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVA

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 06:09:26

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCVA.220

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	32518			32202.430281	748.6349	ng/L
Fe-Precon	54	133	8149			8016.079462	1453.4173	ng/L
Fe-Precon	56	2555	161079			158523.766569	1471.7910	ng/L
Fe-Precon	57	80	4139			4059.698626	1503.5767	ng/L
Co-Precon	59	33	67848			67814.621033	480.0323	ng/L
Ni-Precon	60	27	7520			7492.998836	326.8158	ng/L
Cu-Precon	63	311	29399			29088.347161	523.6952	ng/L
Cu-Precon	65	146	13808			13661.883733	522.7490	ng/L
Zn-Precon	66	221	54397			54175.665627	2998.5016	ng/L
Zn-Precon	68	151	36665			36514.700307	3071.2562	ng/L
Cd-Precon	111	4	11048			11043.961877	554.4920	ng/L
Cd-Precon	114	12	27902			27890.204029	543.0039	ng/L
Pb-Precon	208	1281	149259			147978.474202	487.6052	ng/L
Tb-Precon	159	12	4			-7.986159		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 06:19:58

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.221

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	364			48.481556	2.1758	ng/L
Fe-Precon	54	133	439			305.670368	46.5099	ng/L
Fe-Precon	56	2555	8204			5649.182386	44.6261	ng/L
Fe-Precon	57	80	242			162.782480	44.6624	ng/L
Co-Precon	59	33	45			11.473651	0.4026	ng/L
Ni-Precon	60	27	35			8.401841	-1.1029	ng/L
Cu-Precon	63	311	333			22.227012	0.0163	ng/L
Cu-Precon	65	146	165			18.296585	0.6258	ng/L
Zn-Precon	66	221	127			-94.713490	-4.1031	ng/L
Zn-Precon	68	151	105			-45.691697	-4.8372	ng/L
Cd-Precon	111	4	2			-1.697694	0.0661	ng/L
Cd-Precon	114	12	6			-5.625251	-0.4447	ng/L
Pb-Precon	208	1281	236			-1044.514430	-0.7718	ng/L
Tb-Precon	159	12	2			-9.922093		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBA
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 06:30:29

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 10

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCBA.222

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	324			9.348001	1.2673	ng/L
Fe-Precon	54	133	198			64.233656	2.4553	ng/L
Fe-Precon	56	2555	3947			1392.108071	4.8841	ng/L
Fe-Precon	57	80	132			52.046882	3.2055	ng/L
Co-Precon	59	33	90			56.423650	0.7206	ng/L
Ni-Precon	60	27	32			5.343810	-1.2369	ng/L
Cu-Precon	63	311	223			-87.388479	-1.9586	ng/L
Cu-Precon	65	146	110			-36.348184	-1.4654	ng/L
Zn-Precon	66	221	1093			871.928356	49.3780	ng/L
Zn-Precon	68	151	754			602.908491	49.7343	ng/L
Cd-Precon	111	4	6			1.788858	0.2411	ng/L
Cd-Precon	114	12	12			0.661483	-0.3222	ng/L
Pb-Precon	208	1281	446			-834.411243	-0.0833	ng/L
Tb-Precon	159	12	3			-9.077071		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 06:41:01

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.223

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	104			-211.238181	-3.8536	ng/L
Fe-Precon	54	133	165			31.912744	-3.4422	ng/L
Fe-Precon	56	2555	3252			696.698510	-1.6079	ng/L
Fe-Precon	57	80	111			31.505788	-4.4846	ng/L
Co-Precon	59	33	39			5.416494	0.3598	ng/L
Ni-Precon	60	27	15			-12.349820	-2.0121	ng/L
Cu-Precon	63	311	209			-101.731847	-2.2170	ng/L
Cu-Precon	65	146	94			-52.165287	-2.0707	ng/L
Zn-Precon	66	221	131			-90.651108	-3.8784	ng/L
Zn-Precon	68	151	99			-51.904785	-5.3599	ng/L
Cd-Precon	111	4	1			-3.045036	-0.0015	ng/L
Cd-Precon	114	12	5			-6.521549	-0.4621	ng/L
Pb-Precon	208	1281	103			-1177.574361	-1.2079	ng/L
Tb-Precon	159	12	2			-9.253695		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122114-BLK1

Sample Description:

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 06:51:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 225

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122114-BLK1.224

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	166			-149.506815	-2.4205	ng/L
Fe-Precon	54	133	183			49.669661	-0.2021	ng/L
Fe-Precon	56	2555	3708			1153.122957	2.6530	ng/L
Fe-Precon	57	80	129			49.109782	2.1060	ng/L
Co-Precon	59	33	75			42.088964	0.6192	ng/L
Ni-Precon	60	27	25			-1.880500	-1.5534	ng/L
Cu-Precon	63	311	283			-27.694433	-0.8831	ng/L
Cu-Precon	65	146	132			-14.612072	-0.6336	ng/L
Zn-Precon	66	221	180			-41.789281	-1.1750	ng/L
Zn-Precon	68	151	131			-19.287084	-2.6156	ng/L
Cd-Precon	111	4	1			-3.215381	-0.0101	ng/L
Cd-Precon	114	12	4			-7.977569	-0.4905	ng/L
Pb-Precon	208	1281	134			-1147.214710	-1.1084	ng/L
Tb-Precon	159	12	2			-10.181833		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 07:02:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.225

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	67			-247.685975	-4.6998	ng/L
Fe-Precon	54	133	131			-2.596381	-9.7391	ng/L
Fe-Precon	56	2555	2679			123.513178	-6.9589	ng/L
Fe-Precon	57	80	86			6.712057	-13.7668	ng/L
Co-Precon	59	33	31			-2.673631	0.3026	ng/L
Ni-Precon	60	27	13			-13.884029	-2.0793	ng/L
Cu-Precon	63	311	190			-120.434524	-2.5540	ng/L
Cu-Precon	65	146	95			-51.486534	-2.0447	ng/L
Zn-Precon	66	221	110			-111.070790	-5.0081	ng/L
Zn-Precon	68	151	94			-56.247820	-5.7253	ng/L
Cd-Precon	111	4	2			-2.623761	0.0196	ng/L
Cd-Precon	114	12	2			-9.879961	-0.5276	ng/L
Pb-Precon	208	1281	66			-1215.161146	-1.3311	ng/L
Tb-Precon	159	12	1			-10.971444		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122114-BLK2

Sample Description:

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 07:12:34

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 226

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122114-BLK2.226

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	135			-180.071277	-3.1301	ng/L
Fe-Precon	54	133	180			46.968327	-0.6951	ng/L
Fe-Precon	56	2555	3368			812.623315	-0.5257	ng/L
Fe-Precon	57	80	114			34.532776	-3.3513	ng/L
Co-Precon	59	33	67			33.437729	0.5580	ng/L
Ni-Precon	60	27	13			-14.116057	-2.0894	ng/L
Cu-Precon	63	311	252			-58.776536	-1.4431	ng/L
Cu-Precon	65	146	131			-15.356703	-0.6621	ng/L
Zn-Precon	66	221	211			-10.102118	0.5781	ng/L
Zn-Precon	68	151	147			-3.283056	-1.2690	ng/L
Cd-Precon	111	4	1			-3.207986	-0.0097	ng/L
Cd-Precon	114	12	3			-8.479590	-0.5003	ng/L
Pb-Precon	208	1281	127			-1154.127689	-1.1311	ng/L
Tb-Precon	159	12	1			-10.971444		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 07:23:04

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.227

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	51			-263.776364	-5.0733	ng/L
Fe-Precon	54	133	117			-15.933739	-12.1727	ng/L
Fe-Precon	56	2555	2130			-424.583966	-12.0757	ng/L
Fe-Precon	57	80	77			-2.538433	-17.2299	ng/L
Co-Precon	59	33	35			2.022501	0.3358	ng/L
Ni-Precon	60	27	11			-15.726458	-2.1600	ng/L
Cu-Precon	63	311	159			-151.473105	-3.1132	ng/L
Cu-Precon	65	146	75			-71.151123	-2.7973	ng/L
Zn-Precon	66	221	111			-110.232669	-4.9618	ng/L
Zn-Precon	68	151	83			-67.319896	-6.6569	ng/L
Cd-Precon	111	4	2			-2.663425	0.0176	ng/L
Cd-Precon	114	12	4			-7.637449	-0.4839	ng/L
Pb-Precon	208	1281	63			-1218.177664	-1.3410	ng/L
Tb-Precon	159	12	1			-10.465816		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122114-BLK3

Sample Description:

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 07:33:35

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 227

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122114-BLK3.228

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	120			-194.811056	-3.4723	ng/L
Fe-Precon	54	133	105			-28.294241	-14.4281	ng/L
Fe-Precon	56	2555	2337			-217.848014	-10.1457	ng/L
Fe-Precon	57	80	84			4.280805	-14.6770	ng/L
Co-Precon	59	33	65			31.532966	0.5445	ng/L
Ni-Precon	60	27	17			-9.897864	-1.9046	ng/L
Cu-Precon	63	311	213			-97.633277	-2.1432	ng/L
Cu-Precon	65	146	101			-45.065311	-1.7990	ng/L
Zn-Precon	66	221	243			21.066366	2.3026	ng/L
Zn-Precon	68	151	188			37.696446	2.1789	ng/L
Cd-Precon	111	4	1			-3.509444	-0.0248	ng/L
Cd-Precon	114	12	4			-7.822758	-0.4875	ng/L
Pb-Precon	208	1281	122			-1159.104115	-1.1474	ng/L
Tb-Precon	159	12	1			-10.386162		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 07:44:06

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.229

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	43			-272.465676	-5.2751	ng/L
Fe-Precon	54	133	103			-30.621728	-14.8528	ng/L
Fe-Precon	56	2555	2113			-442.402503	-12.2420	ng/L
Fe-Precon	57	80	83			3.518832	-14.9622	ng/L
Co-Precon	59	33	27			-5.977562	0.2792	ng/L
Ni-Precon	60	27	10			-16.772351	-2.2058	ng/L
Cu-Precon	63	311	186			-124.655866	-2.6300	ng/L
Cu-Precon	65	146	79			-67.216830	-2.6467	ng/L
Zn-Precon	66	221	131			-90.605999	-3.8759	ng/L
Zn-Precon	68	151	106			-44.742618	-4.7573	ng/L
Cd-Precon	111	4	2			-2.620852	0.0198	ng/L
Cd-Precon	114	12	5			-6.675175	-0.4651	ng/L
Pb-Precon	208	1281	92			-1188.590913	-1.2440	ng/L
Tb-Precon	159	12	1			-10.445037		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122114-BLK4

Sample Description:

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 07:54:36

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 228

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122114-BLK4.230

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	89			-226.299990	-4.2033	ng/L
Fe-Precon	54	133	295			162.137283	20.3197	ng/L
Fe-Precon	56	2555	5784			3228.831603	22.0309	ng/L
Fe-Precon	57	80	177			97.379015	20.1768	ng/L
Co-Precon	59	33	64			31.013489	0.5409	ng/L
Ni-Precon	60	27	19			-8.162781	-1.8286	ng/L
Cu-Precon	63	311	224			-86.269386	-1.9384	ng/L
Cu-Precon	65	146	109			-37.387058	-1.5052	ng/L
Zn-Precon	66	221	271			49.349042	3.8674	ng/L
Zn-Precon	68	151	186			34.925067	1.9457	ng/L
Cd-Precon	111	4	2			-2.525496	0.0246	ng/L
Cd-Precon	114	12	4			-8.159265	-0.4940	ng/L
Pb-Precon	208	1281	122			-1158.706059	-1.1461	ng/L
Tb-Precon	159	12	2			-9.503045		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 08:05:07

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.231

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	30			-284.815646	-5.5618	ng/L
Fe-Precon	54	133	111			-21.959936	-13.2723	ng/L
Fe-Precon	56	2555	2221			-334.514521	-11.2348	ng/L
Fe-Precon	57	80	81			1.645302	-15.6636	ng/L
Co-Precon	59	33	29			-4.429487	0.2901	ng/L
Ni-Precon	60	27	11			-16.311743	-2.1856	ng/L
Cu-Precon	63	311	169			-142.049155	-2.9434	ng/L
Cu-Precon	65	146	77			-69.156194	-2.7209	ng/L
Zn-Precon	66	221	129			-92.607560	-3.9866	ng/L
Zn-Precon	68	151	100			-50.934990	-5.2783	ng/L
Cd-Precon	111	4	0			-4.029240	-0.0509	ng/L
Cd-Precon	114	12	4			-8.038889	-0.4917	ng/L
Pb-Precon	208	1281	66			-1215.168068	-1.3311	ng/L
Tb-Precon	159	12	1			-10.569713		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122114-BS1

Sample Description:

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 08:15:37

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 229

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122114-BS1.232

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	64724			64409.092320	1496.3178	ng/L
Fe-Precon	54	133	358820			358686.549462	65439.7572	ng/L
Fe-Precon	56	2555	7501178			7498622.642184	69995.4868	ng/L
Fe-Precon	57	80	182962			182882.642956	68450.7057	ng/L
Co-Precon	59	33	255369			255335.368928	1806.5270	ng/L
Ni-Precon	60	27	56911			56883.548742	2490.7377	ng/L
Cu-Precon	63	311	112912			112601.248571	2028.3317	ng/L
Cu-Precon	65	146	52650			52503.478621	2009.1688	ng/L
Zn-Precon	66	221	86113			85892.033278	4753.2658	ng/L
Zn-Precon	68	151	57383			57231.781415	4814.3358	ng/L
Cd-Precon	111	4	4284			4280.253797	214.9944	ng/L
Cd-Precon	114	12	11329			11316.901710	220.1335	ng/L
Pb-Precon	208	1281	143762			142481.443893	469.5904	ng/L
Tb-Precon	159	12	50			38.732883		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 08:26:07

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.233

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	306			-8.957380	0.8423	ng/L
Fe-Precon	54	133	3655			3522.085478	633.4046	ng/L
Fe-Precon	56	2555	72457			69902.114685	644.4612	ng/L
Fe-Precon	57	80	1909			1829.643831	668.6963	ng/L
Co-Precon	59	33	55			22.081637	0.4777	ng/L
Ni-Precon	60	27	137			110.181536	3.3563	ng/L
Cu-Precon	63	311	490			179.680762	2.8531	ng/L
Cu-Precon	65	146	206			59.979090	2.2209	ng/L
Zn-Precon	66	221	161			-60.755037	-2.2243	ng/L
Zn-Precon	68	151	111			-39.862717	-4.3467	ng/L
Cd-Precon	111	4	1			-2.872887	0.0071	ng/L
Cd-Precon	114	12	26			13.994165	-0.0625	ng/L
Pb-Precon	208	1281	116			-1164.874213	-1.1663	ng/L
Tb-Precon	159	12	2			-9.440708		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-10

Sample Description:

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 08:36:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 230

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245032-10.234

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	236			-79.004365	-0.7838	ng/L
Fe-Precon	54	133	1895			1761.482648	312.1499	ng/L
Fe-Precon	56	2555	36545			33990.278149	309.2052	ng/L
Fe-Precon	57	80	1019			939.728266	335.5327	ng/L
Co-Precon	59	33	147			114.046449	1.1282	ng/L
Ni-Precon	60	27	409			381.987348	15.2648	ng/L
Cu-Precon	63	311	10777			10466.768928	188.1937	ng/L
Cu-Precon	65	146	5025			4879.092325	186.6424	ng/L
Zn-Precon	66	221	12783			12561.379615	696.1176	ng/L
Zn-Precon	68	151	8607			8456.595046	710.5224	ng/L
Cd-Precon	111	4	32			27.852639	1.5494	ng/L
Cd-Precon	114	12	76			64.288123	0.9173	ng/L
Pb-Precon	208	1281	2317			1036.079853	6.0467	ng/L
Tb-Precon	159	12	6			-5.554987		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 08:47:08

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.235

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	60			-254.893049	-4.8671	ng/L
Fe-Precon	54	133	429			295.868416	44.7214	ng/L
Fe-Precon	56	2555	8400			5844.510670	46.4496	ng/L
Fe-Precon	57	80	231			150.992849	40.2486	ng/L
Co-Precon	59	33	32			-1.485758	0.3110	ng/L
Ni-Precon	60	27	22			-4.765376	-1.6798	ng/L
Cu-Precon	63	311	253			-57.748905	-1.4246	ng/L
Cu-Precon	65	146	112			-34.703028	-1.4024	ng/L
Zn-Precon	66	221	147			-74.196634	-2.9680	ng/L
Zn-Precon	68	151	118			-32.915326	-3.7622	ng/L
Cd-Precon	111	4	1			-3.079680	-0.0033	ng/L
Cd-Precon	114	12	13			0.810225	-0.3193	ng/L
Pb-Precon	208	1281	69			-1211.341139	-1.3186	ng/L
Tb-Precon	159	12	3			-9.146334		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-26

Sample Description:

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 08:57:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 231

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245005-26.236

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	119			-195.722158	-3.4934	ng/L
Fe-Precon	54	133	1006			872.398916	149.9201	ng/L
Fe-Precon	56	2555	19836			17280.870772	153.2141	ng/L
Fe-Precon	57	80	528			448.690200	151.6995	ng/L
Co-Precon	59	33	109			76.036469	0.8593	ng/L
Ni-Precon	60	27	147			119.688225	3.7728	ng/L
Cu-Precon	63	311	760			448.816909	7.7021	ng/L
Cu-Precon	65	146	343			196.882558	7.4601	ng/L
Zn-Precon	66	221	1980			1758.213375	98.4133	ng/L
Zn-Precon	68	151	1378			1226.929418	102.2378	ng/L
Cd-Precon	111	4	3			-1.207758	0.0907	ng/L
Cd-Precon	114	12	14			2.327872	-0.2897	ng/L
Pb-Precon	208	1281	5682			4400.857801	17.0737	ng/L
Tb-Precon	159	12	2			-9.454561		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 09:08:08

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.237

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	42			-273.161803	-5.2912	ng/L
Fe-Precon	54	133	244			111.177901	11.0212	ng/L
Fe-Precon	56	2555	4792			2237.288487	12.7743	ng/L
Fe-Precon	57	80	154			74.794309	11.7217	ng/L
Co-Precon	59	33	31			-2.642469	0.3028	ng/L
Ni-Precon	60	27	16			-11.196567	-1.9615	ng/L
Cu-Precon	63	311	188			-123.007163	-2.6003	ng/L
Cu-Precon	65	146	90			-56.366324	-2.2315	ng/L
Zn-Precon	66	221	157			-64.010676	-2.4044	ng/L
Zn-Precon	68	151	124			-27.131495	-3.2756	ng/L
Cd-Precon	111	4	1			-3.353222	-0.0170	ng/L
Cd-Precon	114	12	7			-4.588357	-0.4245	ng/L
Pb-Precon	208	1281	57			-1223.531778	-1.3585	ng/L
Tb-Precon	159	12	1			-10.268413		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-01

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 09:18:38

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 232

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245032-01.238

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2057			1742.028504	414.9175	ng/L
Fe-Precon	54	133	19506380			19506246.823476	35592677.3786	ng/L
Fe-Precon	56	2555	S		S	S	S	ng/L
Fe-Precon	57	80	10073237			10073157.587709	37711383.8908	ng/L
Co-Precon	59	33	2997			2963.673118	212.8606	ng/L
Ni-Precon	60	27	555			528.264169	216.7357	ng/L
Cu-Precon	63	311	570			258.898081	42.8038	ng/L
Cu-Precon	65	146	276			129.905269	48.9691	ng/L
Zn-Precon	66	221	1933			1711.226297	958.1369	ng/L
Zn-Precon	68	151	1368			1217.360971	1014.3269	ng/L
Cd-Precon	111	4	2			-2.646927	0.1847	ng/L
Cd-Precon	114	12	7			-4.815394	-4.2889	ng/L
Pb-Precon	208	1281	480			-801.122427	0.2580	ng/L
Tb-Precon	159	12	264			252.465956		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 09:29:08

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.239

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	81			-233.749498	-4.3763	ng/L
Fe-Precon	54	133	85631			85497.660745	15591.3708	ng/L
Fe-Precon	56	2555	1841707			1839151.768333	17161.3402	ng/L
Fe-Precon	57	80	43778			43698.177901	16343.2965	ng/L
Co-Precon	59	33	44			10.206158	0.3937	ng/L
Ni-Precon	60	27	15			-11.619082	-1.9800	ng/L
Cu-Precon	63	311	181			-129.532396	-2.7179	ng/L
Cu-Precon	65	146	85			-61.498822	-2.4279	ng/L
Zn-Precon	66	221	167			-54.925868	-1.9018	ng/L
Zn-Precon	68	151	125			-26.092723	-3.1882	ng/L
Cd-Precon	111	4	1			-3.130196	-0.0058	ng/L
Cd-Precon	114	12	6			-5.791967	-0.4479	ng/L
Pb-Precon	208	1281	67			-1214.115246	-1.3277	ng/L
Tb-Precon	159	12	4			-7.373173		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122114-DUP1

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 09:39:38

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 233

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122114-DUP1.240

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2251			1935.601255	459.8557	ng/L
Fe-Precon	54	133	20684801			20684667.953105	37742925.5861	ng/L
Fe-Precon	56	2555	S		S	S	S	ng/L
Fe-Precon	57	80	10605388			10605308.143155	39703631.1422	ng/L
Co-Precon	59	33	2504			2470.749303	177.9919	ng/L
Ni-Precon	60	27	590			562.883443	231.9032	ng/L
Cu-Precon	63	311	634			323.428737	54.4302	ng/L
Cu-Precon	65	146	304			158.015629	59.7266	ng/L
Zn-Precon	66	221	2644			2422.386803	1351.5990	ng/L
Zn-Precon	68	151	1789			1638.473259	1368.6395	ng/L
Cd-Precon	111	4	2			-1.754840	0.6325	ng/L
Cd-Precon	114	12	12			0.531230	-3.2473	ng/L
Pb-Precon	208	1281	645			-635.474647	5.6865	ng/L
Tb-Precon	159	12	290			278.528767		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 09:50:07

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.241

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	81			-233.905312	-4.3799	ng/L
Fe-Precon	54	133	89542			89408.924299	16305.0534	ng/L
Fe-Precon	56	2555	1957918			1955362.595191	18246.2296	ng/L
Fe-Precon	57	80	45857			45777.356424	17121.6923	ng/L
Co-Precon	59	33	42			8.945531	0.3847	ng/L
Ni-Precon	60	27	17			-9.897864	-1.9046	ng/L
Cu-Precon	63	311	183			-127.859593	-2.6878	ng/L
Cu-Precon	65	146	86			-59.902174	-2.3668	ng/L
Zn-Precon	66	221	171			-50.776955	-1.6723	ng/L
Zn-Precon	68	151	126			-24.346846	-3.0413	ng/L
Cd-Precon	111	4	1			-2.932802	0.0041	ng/L
Cd-Precon	114	12	4			-7.307199	-0.4774	ng/L
Pb-Precon	208	1281	64			-1217.214840	-1.3378	ng/L
Tb-Precon	159	12	2			-9.554993		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122114-MS1

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 10:00:37

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 234

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122114-MS1.242

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	165901			165585.988598	38451.5572	ng/L
Fe-Precon	54	133	20879964			20879831.074150	38099036.9462	ng/L
Fe-Precon	56	2555	S		S	S	S	ng/L
Fe-Precon	57	80	10767560			10767480.505671	40310766.5480	ng/L
Co-Precon	59	33	335305			335271.453504	23719.8326	ng/L
Ni-Precon	60	27	49151			49123.517203	21507.5153	ng/L
Cu-Precon	63	311	160272			159961.463920	28816.1196	ng/L
Cu-Precon	65	146	76427			76280.589053	29190.8944	ng/L
Zn-Precon	66	221	300439			300217.108946	166111.7974	ng/L
Zn-Precon	68	151	202763			202611.844642	170462.2456	ng/L
Cd-Precon	111	4	61287			61282.734094	30761.7720	ng/L
Cd-Precon	114	12	153080			153068.415615	29816.4521	ng/L
Pb-Precon	208	1281	1003030			1001749.557278	32855.7787	ng/L
Tb-Precon	159	12	286			274.420362		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 10:11:06

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.243

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2749			2434.222415	57.5611	ng/L
Fe-Precon	54	133	92140			92006.335768	16778.9994	ng/L
Fe-Precon	56	2555	2031963			2029407.580296	18937.4786	ng/L
Fe-Precon	57	80	47409			47329.767863	17702.8788	ng/L
Co-Precon	59	33	103			69.940719	0.8162	ng/L
Ni-Precon	60	27	108			80.653000	2.0626	ng/L
Cu-Precon	63	311	345			34.436109	0.2363	ng/L
Cu-Precon	65	146	167			20.527738	0.7112	ng/L
Zn-Precon	66	221	238			16.760282	2.0644	ng/L
Zn-Precon	68	151	161			10.155032	-0.1384	ng/L
Cd-Precon	111	4	7			3.192803	0.3116	ng/L
Cd-Precon	114	12	21			9.270730	-0.1545	ng/L
Pb-Precon	208	1281	254			-1027.275035	-0.7154	ng/L
Tb-Precon	159	12	2			-9.759322		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVB

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 10:21:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCVB.244

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	30667			30351.787600	705.6719	ng/L
Fe-Precon	54	133	33087			32953.202125	6003.6584	ng/L
Fe-Precon	56	2555	699537			696981.923560	6498.5820	ng/L
Fe-Precon	57	80	16727			16647.893595	6216.3025	ng/L
Co-Precon	59	33	68785			68751.947541	486.6628	ng/L
Ni-Precon	60	27	7080			7052.619759	307.5217	ng/L
Cu-Precon	63	311	29111			28800.644283	518.5117	ng/L
Cu-Precon	65	146	13780			13633.685411	521.6699	ng/L
Zn-Precon	66	221	57030			56808.640492	3144.1756	ng/L
Zn-Precon	68	151	37984			37833.310993	3182.2005	ng/L
Cd-Precon	111	4	11365			11360.617731	570.3862	ng/L
Cd-Precon	114	12	28921			28909.723950	562.8655	ng/L
Pb-Precon	208	1281	154089			152807.918497	503.4323	ng/L
Tb-Precon	159	12	1			-11.213869		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 10:32:09

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.245

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	629			314.289940	8.3466	ng/L
Fe-Precon	54	133	9978			9844.678612	1787.0791	ng/L
Fe-Precon	56	2555	195476			192920.860353	1792.9061	ng/L
Fe-Precon	57	80	5113			5033.106425	1867.9978	ng/L
Co-Precon	59	33	64			31.103435	0.5415	ng/L
Ni-Precon	60	27	39			12.436546	-0.9261	ng/L
Cu-Precon	63	311	252			-58.610418	-1.4401	ng/L
Cu-Precon	65	146	110			-35.890985	-1.4479	ng/L
Zn-Precon	66	221	176			-45.907413	-1.4028	ng/L
Zn-Precon	68	151	130			-20.409266	-2.7100	ng/L
Cd-Precon	111	4	2			-2.396327	0.0310	ng/L
Cd-Precon	114	12	7			-4.528136	-0.4233	ng/L
Pb-Precon	208	1281	118			-1162.948469	-1.1600	ng/L
Tb-Precon	159	12	1			-10.368846		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBB

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 10:42:41

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 10

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCBB.246

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	716			400.438146	10.3465	ng/L
Fe-Precon	54	133	7601			7467.582418	1353.3338	ng/L
Fe-Precon	56	2555	147916			145361.322358	1348.9127	ng/L
Fe-Precon	57	80	3856			3776.819628	1397.6734	ng/L
Co-Precon	59	33	138			104.612329	1.0615	ng/L
Ni-Precon	60	27	31			3.677997	-1.3098	ng/L
Cu-Precon	63	311	214			-96.968133	-2.1312	ng/L
Cu-Precon	65	146	102			-44.303276	-1.7698	ng/L
Zn-Precon	66	221	1198			976.844567	55.1827	ng/L
Zn-Precon	68	151	836			685.188406	56.6571	ng/L
Cd-Precon	111	4	7			2.375585	0.2706	ng/L
Cd-Precon	114	12	16			4.440037	-0.2486	ng/L
Pb-Precon	208	1281	459			-821.773898	-0.0419	ng/L
Tb-Precon	159	12	2			-9.804344		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 10:53:13

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.247

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	255			-60.210453	-0.3475	ng/L
Fe-Precon	54	133	4468			4334.486039	781.6422	ng/L
Fe-Precon	56	2555	87112			84556.898137	781.2713	ng/L
Fe-Precon	57	80	2290			2210.476797	811.2712	ng/L
Co-Precon	59	33	47			13.617476	0.4178	ng/L
Ni-Precon	60	27	21			-6.271871	-1.7458	ng/L
Cu-Precon	63	311	179			-132.060966	-2.7635	ng/L
Cu-Precon	65	146	101			-45.300916	-1.8080	ng/L
Zn-Precon	66	221	192			-28.989013	-0.4668	ng/L
Zn-Precon	68	151	145			-5.897919	-1.4890	ng/L
Cd-Precon	111	4	1			-2.961158	0.0027	ng/L
Cd-Precon	114	12	4			-8.024681	-0.4914	ng/L
Pb-Precon	208	1281	74			-1207.095164	-1.3047	ng/L
Tb-Precon	159	12	2			-9.963652		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122114-MSD1

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 11:03:42

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 235

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122114-MSD1.248

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	149824			149508.939836	34719.2444	ng/L
Fe-Precon	54	133	19431719			19431585.490711	35456443.9109	ng/L
Fe-Precon	56	2555	S		S	S	S	ng/L
Fe-Precon	57	80	9943379			9943299.634241	37225226.0767	ng/L
Co-Precon	59	33	313593			313559.639289	22183.9703	ng/L
Ni-Precon	60	27	44562			44535.090887	19497.2125	ng/L
Cu-Precon	63	311	148965			148654.709615	26779.0026	ng/L
Cu-Precon	65	146	70856			70710.050560	27059.1182	ng/L
Zn-Precon	66	221	286183			285961.302226	158224.5201	ng/L
Zn-Precon	68	151	193165			193014.041621	162386.9114	ng/L
Cd-Precon	111	4	57941			57936.443679	29082.1348	ng/L
Cd-Precon	114	12	146725			146713.247215	28578.3792	ng/L
Pb-Precon	208	1281	949335			948054.596008	31096.0912	ng/L
Tb-Precon	159	12	275			262.950967		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 11:14:12

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.249

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2611			2295.403199	54.3384	ng/L
Fe-Precon	54	133	84611			84478.181157	15405.3478	ng/L
Fe-Precon	56	2555	1833816			1831261.359788	17087.6790	ng/L
Fe-Precon	57	80	43453			43373.292280	16221.6669	ng/L
Co-Precon	59	33	121			87.208859	0.9384	ng/L
Ni-Precon	60	27	116			89.429097	2.4471	ng/L
Cu-Precon	63	311	348			37.428589	0.2902	ng/L
Cu-Precon	65	146	166			20.101784	0.6949	ng/L
Zn-Precon	66	221	265			43.203753	3.5274	ng/L
Zn-Precon	68	151	182			30.775893	1.5966	ng/L
Cd-Precon	111	4	9			4.411300	0.3728	ng/L
Cd-Precon	114	12	26			14.195736	-0.0585	ng/L
Pb-Precon	208	1281	261			-1020.151662	-0.6920	ng/L
Tb-Precon	159	12	3			-8.730751		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-02

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 11:24:42

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 236

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245032-02.250

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2443			2127.424262	504.3878	ng/L
Fe-Precon	54	133	3752127			3751993.599143	6846116.4893	ng/L
Fe-Precon	56	2555	74882228			74879672.495628	6990331.3906	ng/L
Fe-Precon	57	80	1924872			1924792.481010	7205810.1950	ng/L
Co-Precon	59	33	1376			1343.186393	98.2297	ng/L
Ni-Precon	60	27	421			393.579717	157.7271	ng/L
Cu-Precon	63	311	538			226.827044	37.0256	ng/L
Cu-Precon	65	146	260			113.727492	42.7781	ng/L
Zn-Precon	66	221	1068			846.926812	479.9479	ng/L
Zn-Precon	68	151	737			586.530879	483.5633	ng/L
Cd-Precon	111	4	-81			-85.303342	-41.3039	ng/L
Cd-Precon	114	12	-130			-141.959252	-31.0064	ng/L
Pb-Precon	208	1281	481			-799.358218	0.3158	ng/L
Tb-Precon	159	12	618			606.479168		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 11:35:12

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.251

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	512			197.000744	5.6237	ng/L
Fe-Precon	54	133	23964			23830.481732	4339.0487	ng/L
Fe-Precon	56	2555	500114			497558.666629	4636.8607	ng/L
Fe-Precon	57	80	12351			12271.353339	4577.8282	ng/L
Co-Precon	59	33	67			33.344266	0.5573	ng/L
Ni-Precon	60	27	30			2.787950	-1.3488	ng/L
Cu-Precon	63	311	189			-121.437464	-2.5721	ng/L
Cu-Precon	65	146	86			-60.702018	-2.3974	ng/L
Zn-Precon	66	221	208			-13.402142	0.3956	ng/L
Zn-Precon	68	151	153			2.584096	-0.7754	ng/L
Cd-Precon	111	4	0			-3.823277	-0.0406	ng/L
Cd-Precon	114	12	2			-9.903753	-0.5280	ng/L
Pb-Precon	208	1281	120			-1161.237389	-1.1544	ng/L
Tb-Precon	159	12	14			2.323831		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-03

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 11:45:43

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 237

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245032-03.252

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4987			4671.524574	1095.0048	ng/L
Fe-Precon	54	133	1250618			1250484.393314	2281648.3627	ng/L
Fe-Precon	56	2555	24826754			24824199.175247	2317388.8516	ng/L
Fe-Precon	57	80	605835			605755.701756	2267644.9127	ng/L
Co-Precon	59	33	1911			1877.592792	136.0329	ng/L
Ni-Precon	60	27	1145			1118.267737	475.2308	ng/L
Cu-Precon	63	311	1731			1420.287640	252.0492	ng/L
Cu-Precon	65	146	817			670.320573	255.7794	ng/L
Zn-Precon	66	221	2004			1782.114653	997.3571	ng/L
Zn-Precon	68	151	1341			1190.010403	991.3148	ng/L
Cd-Precon	111	4	-17			-21.323399	-9.1898	ng/L
Cd-Precon	114	12	-28			-39.970907	-11.1377	ng/L
Pb-Precon	208	1281	804			-476.380918	10.9004	ng/L
Tb-Precon	159	12	277			265.063238		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 11:56:14

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.253

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	321			6.216648	1.1946	ng/L
Fe-Precon	54	133	12607			12473.551270	2266.7658	ng/L
Fe-Precon	56	2555	248005			245450.058088	2283.2938	ng/L
Fe-Precon	57	80	6545			6465.503351	2404.2537	ng/L
Co-Precon	59	33	60			26.895611	0.5117	ng/L
Ni-Precon	60	27	21			-5.987886	-1.7333	ng/L
Cu-Precon	63	311	202			-108.319131	-2.3357	ng/L
Cu-Precon	65	146	99			-47.174594	-1.8797	ng/L
Zn-Precon	66	221	235			13.268249	1.8712	ng/L
Zn-Precon	68	151	168			16.960320	0.4342	ng/L
Cd-Precon	111	4	-1			-5.075515	-0.1034	ng/L
Cd-Precon	114	12	1			-10.467050	-0.5390	ng/L
Pb-Precon	208	1281	94			-1187.101654	-1.2391	ng/L
Tb-Precon	159	12	7			-4.685719		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-05

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 12:06:45

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 238

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245032-05.254

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4349			4034.000843	947.0026	ng/L
Fe-Precon	54	133	6582765			6582631.863278	12011141.7086	ng/L
Fe-Precon	56	2555	131771611			131769055.657758	12301255.4706	ng/L
Fe-Precon	57	80	3380546			3380465.911162	12655511.1496	ng/L
Co-Precon	59	33	2850			2816.640641	202.4597	ng/L
Ni-Precon	60	27	1672			1645.323902	706.1471	ng/L
Cu-Precon	63	311	2669			2358.344393	421.0572	ng/L
Cu-Precon	65	146	1264			1117.669121	426.9741	ng/L
Zn-Precon	66	221	13114			12892.754813	7144.5153	ng/L
Zn-Precon	68	151	8770			8618.800875	7241.7000	ng/L
Cd-Precon	111	4	25			20.902380	12.0050	ng/L
Cd-Precon	114	12	80			68.053675	9.9070	ng/L
Pb-Precon	208	1281	1221			-59.421753	24.5649	ng/L
Tb-Precon	159	12	263			251.160100		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 12:17:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.255

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	251			-63.871562	-0.4325	ng/L
Fe-Precon	54	133	35004			34870.658735	6353.5340	ng/L
Fe-Precon	56	2555	744449			741894.429433	6917.8640	ng/L
Fe-Precon	57	80	17770			17690.402841	6606.5936	ng/L
Co-Precon	59	33	70			37.101875	0.5839	ng/L
Ni-Precon	60	27	22			-4.803461	-1.6814	ng/L
Cu-Precon	63	311	186			-124.908486	-2.6346	ng/L
Cu-Precon	65	146	84			-61.890107	-2.4429	ng/L
Zn-Precon	66	221	268			46.262238	3.6966	ng/L
Zn-Precon	68	151	182			31.150018	1.6281	ng/L
Cd-Precon	111	4	1			-3.532542	-0.0260	ng/L
Cd-Precon	114	12	1			-10.272914	-0.5352	ng/L
Pb-Precon	208	1281	97			-1183.894583	-1.2286	ng/L
Tb-Precon	159	12	3			-9.191357		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-06

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 12:27:47

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 239

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245032-06.256

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4262			3946.876638	926.7766	ng/L
Fe-Precon	54	133	18017663			18017529.745641	32876236.5854	ng/L
Fe-Precon	56	2555	S		S	S	S	ng/L
Fe-Precon	57	80	9318636			9318556.732030	34886334.7292	ng/L
Co-Precon	59	33	8948			8914.746977	633.8310	ng/L
Ni-Precon	60	27	965			938.346358	396.4028	ng/L
Cu-Precon	63	311	771			460.413339	79.1104	ng/L
Cu-Precon	65	146	364			217.734806	82.5804	ng/L
Zn-Precon	66	221	4409			4187.798364	2328.3442	ng/L
Zn-Precon	68	151	2964			2812.911370	2356.7802	ng/L
Cd-Precon	111	4	4			-0.533670	1.2454	ng/L
Cd-Precon	114	12	3			-9.122749	-5.1281	ng/L
Pb-Precon	208	1281	460			-820.759616	-0.3856	ng/L
Tb-Precon	159	12	528			516.175323		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 12:38:17

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.257

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	212			-103.192845	-1.3454	ng/L
Fe-Precon	54	133	82890			82756.367930	15091.1710	ng/L
Fe-Precon	56	2555	1826667			1824111.908216	17020.9351	ng/L
Fe-Precon	57	80	42524			42444.114757	15873.8045	ng/L
Co-Precon	59	33	77			43.609373	0.6300	ng/L
Ni-Precon	60	27	23			-4.190477	-1.6546	ng/L
Cu-Precon	63	311	188			-122.262746	-2.5869	ng/L
Cu-Precon	65	146	79			-67.102423	-2.6423	ng/L
Zn-Precon	66	221	245			23.506951	2.4376	ng/L
Zn-Precon	68	151	183			32.576668	1.7481	ng/L
Cd-Precon	111	4	2			-2.581052	0.0218	ng/L
Cd-Precon	114	12	5			-6.799518	-0.4675	ng/L
Pb-Precon	208	1281	101			-1179.762800	-1.2151	ng/L
Tb-Precon	159	12	2			-9.537677		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-07

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 12:48:48

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 240

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245032-07.258

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4394			4078.430414	957.3170	ng/L
Fe-Precon	54	133	18877174			18877040.469317	34444573.5292	ng/L
Fe-Precon	56	2555	S		S	S	S	ng/L
Fe-Precon	57	80	9722426			9722345.945189	36398027.1286	ng/L
Co-Precon	59	33	8590			8556.949890	608.5209	ng/L
Ni-Precon	60	27	1195			1168.407618	497.1983	ng/L
Cu-Precon	63	311	545			233.919562	38.3035	ng/L
Cu-Precon	65	146	262			116.135072	43.6994	ng/L
Zn-Precon	66	221	10260			10039.029552	5565.6413	ng/L
Zn-Precon	68	151	6831			6680.323865	5610.7174	ng/L
Cd-Precon	111	4	2			-2.423457	0.2969	ng/L
Cd-Precon	114	12	6			-6.202041	-4.5591	ng/L
Pb-Precon	208	1281	479			-802.120543	0.2252	ng/L
Tb-Precon	159	12	568			556.455579		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 12:59:19

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.259

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	193			-122.145367	-1.7853	ng/L
Fe-Precon	54	133	95339			95206.046899	17362.8461	ng/L
Fe-Precon	56	2555	2103927			2101372.020218	19609.3046	ng/L
Fe-Precon	57	80	48782			48702.850445	18216.9288	ng/L
Co-Precon	59	33	67			33.981470	0.5618	ng/L
Ni-Precon	60	27	25			-2.001704	-1.5587	ng/L
Cu-Precon	63	311	184			-126.391008	-2.6613	ng/L
Cu-Precon	65	146	91			-55.438146	-2.1960	ng/L
Zn-Precon	66	221	250			28.237765	2.6994	ng/L
Zn-Precon	68	151	182			30.858980	1.6036	ng/L
Cd-Precon	111	4	2			-1.739348	0.0640	ng/L
Cd-Precon	114	12	3			-8.455524	-0.4998	ng/L
Pb-Precon	208	1281	80			-1200.975524	-1.2846	ng/L
Tb-Precon	159	12	3			-9.115167		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-09

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 13:09:49

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 241

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245005-09.260

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	5189			4873.544902	1141.9041	ng/L
Fe-Precon	54	133	48846			48712.509136	88792.3668	ng/L
Fe-Precon	56	2555	1054084			1051529.217712	98084.6809	ng/L
Fe-Precon	57	80	25051			24971.519509	93324.7343	ng/L
Co-Precon	59	33	2979			2945.426248	211.5698	ng/L
Ni-Precon	60	27	1719			1691.509800	726.3823	ng/L
Cu-Precon	63	311	10152			9841.006367	1769.1945	ng/L
Cu-Precon	65	146	4716			4569.778157	1748.0536	ng/L
Zn-Precon	66	221	17885			17663.901298	9784.2365	ng/L
Zn-Precon	68	151	12026			11875.706011	9981.9726	ng/L
Cd-Precon	111	4	45			40.327948	21.7555	ng/L
Cd-Precon	114	12	147			135.144568	22.9772	ng/L
Pb-Precon	208	1281	31115			29834.105777	1004.2335	ng/L
Tb-Precon	159	12	496			484.752406		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 13:20:20

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.261

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	121			-194.114810	-3.4561	ng/L
Fe-Precon	54	133	10325			10191.748334	1850.4085	ng/L
Fe-Precon	56	2555	202329			199774.197423	1856.8856	ng/L
Fe-Precon	57	80	5329			5249.697170	1949.0843	ng/L
Co-Precon	59	33	59			25.468753	0.5016	ng/L
Ni-Precon	60	27	23			-4.020749	-1.6471	ng/L
Cu-Precon	63	311	222			-88.666902	-1.9816	ng/L
Cu-Precon	65	146	107			-39.496304	-1.5859	ng/L
Zn-Precon	66	221	297			75.941829	5.3387	ng/L
Zn-Precon	68	151	198			47.725869	3.0227	ng/L
Cd-Precon	111	4	2			-2.635702	0.0190	ng/L
Cd-Precon	114	12	-0			-11.789793	-0.5648	ng/L
Pb-Precon	208	1281	131			-1150.251806	-1.1184	ng/L
Tb-Precon	159	12	9			-2.448477		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122114-DUP2

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 13:30:50

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 242

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122114-DUP2.262

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4741			4425.966073	1037.9980	ng/L
Fe-Precon	54	133	26955			26821.561656	48848.2675	ng/L
Fe-Precon	56	2555	571957			569401.643998	53075.5281	ng/L
Fe-Precon	57	80	13890			13810.395503	51540.0957	ng/L
Co-Precon	59	33	2739			2705.754984	194.6158	ng/L
Ni-Precon	60	27	1425			1397.718409	597.6650	ng/L
Cu-Precon	63	311	9309			8998.104257	1617.3304	ng/L
Cu-Precon	65	146	4345			4199.149638	1606.2186	ng/L
Zn-Precon	66	221	2612			2390.792466	1334.1189	ng/L
Zn-Precon	68	151	1757			1605.939986	1341.2668	ng/L
Cd-Precon	111	4	32			27.586475	15.3601	ng/L
Cd-Precon	114	12	132			120.250583	20.0756	ng/L
Pb-Precon	208	1281	28361			27080.705980	913.9993	ng/L
Tb-Precon	159	12	454			442.058825		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 13:41:20

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.263

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	92			-222.611397	-4.1177	ng/L
Fe-Precon	54	133	4765			4631.315932	835.8043	ng/L
Fe-Precon	56	2555	93310			90755.040484	839.1342	ng/L
Fe-Precon	57	80	2399			2319.519439	852.0943	ng/L
Co-Precon	59	33	63			29.773609	0.5321	ng/L
Ni-Precon	60	27	25			-2.493479	-1.5802	ng/L
Cu-Precon	63	311	201			-109.866879	-2.3636	ng/L
Cu-Precon	65	146	88			-57.924628	-2.2911	ng/L
Zn-Precon	66	221	273			51.346648	3.9779	ng/L
Zn-Precon	68	151	197			46.239984	2.8977	ng/L
Cd-Precon	111	4	-0			-4.538151	-0.0765	ng/L
Cd-Precon	114	12	2			-9.856288	-0.5271	ng/L
Pb-Precon	208	1281	93			-1188.268580	-1.2430	ng/L
Tb-Precon	159	12	8			-3.369698		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122114-MS2

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 13:51:51

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 243

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122114-MS2.264

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	151452			151137.208083	35097.2495	ng/L
Fe-Precon	54	133	78919			78785.341767	143665.8351	ng/L
Fe-Precon	56	2555	1681347			1678791.802116	156642.9527	ng/L
Fe-Precon	57	80	40088			40008.474372	149619.5773	ng/L
Co-Precon	59	33	389073			389040.017631	27523.3431	ng/L
Ni-Precon	60	27	44522			44494.590570	19479.4683	ng/L
Cu-Precon	63	311	171691			171380.470044	30873.4608	ng/L
Cu-Precon	65	146	81476			81329.958104	31123.2256	ng/L
Zn-Precon	66	221	323628			323406.843763	178941.9284	ng/L
Zn-Precon	68	151	218099			217948.417391	183366.0267	ng/L
Cd-Precon	111	4	64466			64462.000359	32357.5730	ng/L
Cd-Precon	114	12	162997			162985.475277	31748.4298	ng/L
Pb-Precon	208	1281	1042976			1041694.962774	34164.8667	ng/L
Tb-Precon	159	12	474			462.410768		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 14:02:21

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.265

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	352			36.432117	1.8961	ng/L
Fe-Precon	54	133	3498			3364.786442	604.7025	ng/L
Fe-Precon	56	2555	69125			66569.601403	613.3504	ng/L
Fe-Precon	57	80	1786			1706.245445	622.4988	ng/L
Co-Precon	59	33	92			58.228018	0.7334	ng/L
Ni-Precon	60	27	78			51.086868	0.7673	ng/L
Cu-Precon	63	311	389			77.975830	1.0207	ng/L
Cu-Precon	65	146	178			31.472890	1.1300	ng/L
Zn-Precon	66	221	245			23.536715	2.4393	ng/L
Zn-Precon	68	151	187			36.397777	2.0696	ng/L
Cd-Precon	111	4	3			-1.451375	0.0785	ng/L
Cd-Precon	114	12	11			-0.338303	-0.3417	ng/L
Pb-Precon	208	1281	156			-1124.504211	-1.0340	ng/L
Tb-Precon	159	12	7			-4.318622		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122114-MSD2

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 14:12:51

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 244

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122114-MSD2.266

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	141323			141008.166222	32745.7761	ng/L
Fe-Precon	54	133	71570			71437.020788	130257.4587	ng/L
Fe-Precon	56	2555	1529446			1526890.576621	142462.1719	ng/L
Fe-Precon	57	80	36465			36385.285620	136055.2058	ng/L
Co-Precon	59	33	392102			392068.547061	27737.5769	ng/L
Ni-Precon	60	27	43431			43403.922386	19001.6196	ng/L
Cu-Precon	63	311	163049			162738.335497	29316.4234	ng/L
Cu-Precon	65	146	77188			77041.985244	29482.2713	ng/L
Zn-Precon	66	221	337386			337164.435279	186553.5593	ng/L
Zn-Precon	68	151	219477			219326.696136	184525.6735	ng/L
Cd-Precon	111	4	64595			64591.043411	32422.3449	ng/L
Cd-Precon	114	12	162484			162471.984979	31648.3950	ng/L
Pb-Precon	208	1281	1041788			1040507.501072	34125.9513	ng/L
Tb-Precon	159	12	392			380.181070		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 14:23:21

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.267

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	447			132.257809	4.1207	ng/L
Fe-Precon	54	133	2928			2794.469744	500.6376	ng/L
Fe-Precon	56	2555	56537			53982.161426	495.8400	ng/L
Fe-Precon	57	80	1528			1448.554156	526.0252	ng/L
Co-Precon	59	33	85			51.858845	0.6883	ng/L
Ni-Precon	60	27	106			78.564344	1.9711	ng/L
Cu-Precon	63	311	578			267.639180	4.4379	ng/L
Cu-Precon	65	146	274			127.905763	4.8204	ng/L
Zn-Precon	66	221	323			101.937914	6.7770	ng/L
Zn-Precon	68	151	230			79.211903	5.6719	ng/L
Cd-Precon	111	4	3			-1.431793	0.0795	ng/L
Cd-Precon	114	12	11			-1.074589	-0.3560	ng/L
Pb-Precon	208	1281	223			-1058.246702	-0.8169	ng/L
Tb-Precon	159	12	15			2.974928		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVC

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 14:33:53

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCVC.268

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	25126			24810.827536	577.0376	ng/L
Fe-Precon	54	133	8861			8728.103736	1583.3393	ng/L
Fe-Precon	56	2555	171572			169017.307246	1569.7538	ng/L
Fe-Precon	57	80	4517			4437.264878	1644.9286	ng/L
Co-Precon	59	33	64422			64388.841326	455.7988	ng/L
Ni-Precon	60	27	6568			6540.575524	285.0878	ng/L
Cu-Precon	63	311	27083			26771.801748	481.9585	ng/L
Cu-Precon	65	146	12837			12690.498348	485.5753	ng/L
Zn-Precon	66	221	54884			54662.594728	3025.4418	ng/L
Zn-Precon	68	151	36636			36485.211570	3068.7751	ng/L
Cd-Precon	111	4	10976			10971.955197	550.8777	ng/L
Cd-Precon	114	12	27810			27798.001170	541.2077	ng/L
Pb-Precon	208	1281	147075			145793.925658	480.4461	ng/L
Tb-Precon	159	12	8			-3.660611		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 14:44:24

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.269

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	227			-88.250238	-0.9985	ng/L
Fe-Precon	54	133	1614			1480.701766	260.9162	ng/L
Fe-Precon	56	2555	32283			29728.339258	269.4178	ng/L
Fe-Precon	57	80	840			760.084962	268.2784	ng/L
Co-Precon	59	33	58			24.738024	0.4965	ng/L
Ni-Precon	60	27	47			19.505051	-0.6164	ng/L
Cu-Precon	63	311	311			0.126661	-0.3819	ng/L
Cu-Precon	65	146	139			-7.165370	-0.3486	ng/L
Zn-Precon	66	221	289			67.632938	4.8790	ng/L
Zn-Precon	68	151	212			60.801137	4.1228	ng/L
Cd-Precon	111	4	1			-2.769481	0.0123	ng/L
Cd-Precon	114	12	7			-4.405759	-0.4209	ng/L
Pb-Precon	208	1281	151			-1129.290763	-1.0497	ng/L
Tb-Precon	159	12	1			-10.445037		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBC

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 14:54:56

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 10

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCBC.270

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	187			-128.308950	-1.9284	ng/L
Fe-Precon	54	133	1594			1460.346396	257.2020	ng/L
Fe-Precon	56	2555	31827			29271.888108	265.1565	ng/L
Fe-Precon	57	80	858			778.467378	275.1604	ng/L
Co-Precon	59	33	146			112.626884	1.1182	ng/L
Ni-Precon	60	27	30			3.078905	-1.3361	ng/L
Cu-Precon	63	311	277			-34.069680	-0.9980	ng/L
Cu-Precon	65	146	124			-22.449427	-0.9335	ng/L
Zn-Precon	66	221	1249			1027.095451	57.9629	ng/L
Zn-Precon	68	151	891			740.447236	61.3064	ng/L
Cd-Precon	111	4	4			0.157106	0.1592	ng/L
Cd-Precon	114	12	10			-1.741237	-0.3690	ng/L
Pb-Precon	208	1281	542			-738.498272	0.2310	ng/L
Tb-Precon	159	12	6			-5.496113		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 15:05:28

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.271

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	60			-255.211370	-4.8745	ng/L
Fe-Precon	54	133	1138			1004.509947	174.0262	ng/L
Fe-Precon	56	2555	22586			20031.056512	178.8885	ng/L
Fe-Precon	57	80	617			537.685227	185.0172	ng/L
Co-Precon	59	33	59			25.936381	0.5049	ng/L
Ni-Precon	60	27	23			-3.670961	-1.6318	ng/L
Cu-Precon	63	311	169			-141.220035	-2.9285	ng/L
Cu-Precon	65	146	79			-67.600922	-2.6614	ng/L
Zn-Precon	66	221	252			30.270032	2.8118	ng/L
Zn-Precon	68	151	194			43.182863	2.6405	ng/L
Cd-Precon	111	4	2			-2.344509	0.0336	ng/L
Cd-Precon	114	12	3			-8.754352	-0.5056	ng/L
Pb-Precon	208	1281	67			-1213.966104	-1.3272	ng/L
Tb-Precon	159	12	1			-11.175773		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-10

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 15:15:58

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 245

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245005-10.272

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4859			4544.323972	1065.4749	ng/L
Fe-Precon	54	133	6928			6794.480179	12305.1380	ng/L
Fe-Precon	56	2555	136759			134203.875688	12447.5202	ng/L
Fe-Precon	57	80	3612			3532.090947	13060.5267	ng/L
Co-Precon	59	33	2550			2516.411588	181.2220	ng/L
Ni-Precon	60	27	1364			1337.031483	571.0766	ng/L
Cu-Precon	63	311	9387			9075.807544	1631.3301	ng/L
Cu-Precon	65	146	4442			4295.827045	1643.2159	ng/L
Zn-Precon	66	221	1687			1465.093845	821.9597	ng/L
Zn-Precon	68	151	1130			979.359137	814.0785	ng/L
Cd-Precon	111	4	35			30.651083	16.8983	ng/L
Cd-Precon	114	12	165			153.699095	26.5918	ng/L
Pb-Precon	208	1281	28247			26965.939877	910.2382	ng/L
Tb-Precon	159	12	404			392.571484		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 15:26:27

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.273

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	64			-250.882520	-4.7740	ng/L
Fe-Precon	54	133	1079			946.090570	163.3665	ng/L
Fe-Precon	56	2555	21232			18676.741217	166.2453	ng/L
Fe-Precon	57	80	574			494.656998	168.9084	ng/L
Co-Precon	59	33	49			16.117937	0.4355	ng/L
Ni-Precon	60	27	27			-0.072662	-1.4742	ng/L
Cu-Precon	63	311	225			-85.830124	-1.9305	ng/L
Cu-Precon	65	146	115			-31.108147	-1.2649	ng/L
Zn-Precon	66	221	310			88.126402	6.0128	ng/L
Zn-Precon	68	151	219			68.091135	4.7362	ng/L
Cd-Precon	111	4	-0			-4.679365	-0.0835	ng/L
Cd-Precon	114	12	2			-10.016114	-0.5302	ng/L
Pb-Precon	208	1281	82			-1198.294859	-1.2758	ng/L
Tb-Precon	159	12	14			1.818205		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-11

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 15:36:58

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 246

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245005-11.274

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	5444			5129.394060	1201.2999	ng/L
Fe-Precon	54	133	6125			5991.688475	10840.2954	ng/L
Fe-Precon	56	2555	123900			121344.784579	11247.0562	ng/L
Fe-Precon	57	80	5476			5396.438968	20040.2098	ng/L
Co-Precon	59	33	2059			2025.449424	146.4920	ng/L
Ni-Precon	60	27	2535			2507.683843	1083.9683	ng/L
Cu-Precon	63	311	8837			8526.244146	1532.3163	ng/L
Cu-Precon	65	146	4117			3970.435832	1518.6927	ng/L
Zn-Precon	66	221	4484			4262.105559	2369.4559	ng/L
Zn-Precon	68	151	3037			2886.460744	2418.6627	ng/L
Cd-Precon	111	4	21			16.452439	9.7714	ng/L
Cd-Precon	114	12	70			58.322037	8.0111	ng/L
Pb-Precon	208	1281	13383			12102.203035	423.1248	ng/L
Tb-Precon	159	12	246			234.681037		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 15:47:27

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.275

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	59			-256.285212	-4.8994	ng/L
Fe-Precon	54	133	911			777.375220	132.5812	ng/L
Fe-Precon	56	2555	17888			15332.924946	135.0290	ng/L
Fe-Precon	57	80	484			404.760323	135.2532	ng/L
Co-Precon	59	33	49			15.560367	0.4315	ng/L
Ni-Precon	60	27	30			2.677147	-1.3537	ng/L
Cu-Precon	63	311	229			-81.351489	-1.8498	ng/L
Cu-Precon	65	146	96			-49.997123	-1.9877	ng/L
Zn-Precon	66	221	314			92.947887	6.2796	ng/L
Zn-Precon	68	151	239			88.671031	6.4677	ng/L
Cd-Precon	111	4	0			-4.174440	-0.0582	ng/L
Cd-Precon	114	12	2			-9.644775	-0.5230	ng/L
Pb-Precon	208	1281	90			-1190.675650	-1.2508	ng/L
Tb-Precon	159	12	4			-7.802610		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-12

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 15:57:56

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 247

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245005-12.276

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4586			4270.838352	1001.9848	ng/L
Fe-Precon	54	133	8462			8328.447056	15104.1454	ng/L
Fe-Precon	56	2555	165419			162864.035832	15123.0974	ng/L
Fe-Precon	57	80	4373			4293.560571	15911.2910	ng/L
Co-Precon	59	33	2502			2468.731591	177.8492	ng/L
Ni-Precon	60	27	1312			1285.036963	548.2965	ng/L
Cu-Precon	63	311	9514			9203.619652	1654.3577	ng/L
Cu-Precon	65	146	4476			4329.335802	1656.0393	ng/L
Zn-Precon	66	221	2503			2281.147609	1273.4559	ng/L
Zn-Precon	68	151	1673			1522.724484	1271.2515	ng/L
Cd-Precon	111	4	64			59.419185	31.3382	ng/L
Cd-Precon	114	12	159			147.303783	25.3459	ng/L
Pb-Precon	208	1281	32126			30845.439854	1037.3769	ng/L
Tb-Precon	159	12	416			404.460071		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 16:08:26

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.277

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	52			-262.879305	-5.0525	ng/L
Fe-Precon	54	133	842			708.436678	120.0021	ng/L
Fe-Precon	56	2555	16264			13709.405977	119.8726	ng/L
Fe-Precon	57	80	463			383.096895	127.1429	ng/L
Co-Precon	59	33	45			11.743845	0.4045	ng/L
Ni-Precon	60	27	29			2.150717	-1.3768	ng/L
Cu-Precon	63	311	237			-73.513665	-1.7086	ng/L
Cu-Precon	65	146	105			-41.619255	-1.6671	ng/L
Zn-Precon	66	221	329			107.911015	7.1074	ng/L
Zn-Precon	68	151	225			74.671624	5.2899	ng/L
Cd-Precon	111	4	-1			-5.292129	-0.1143	ng/L
Cd-Precon	114	12	3			-8.367553	-0.4981	ng/L
Pb-Precon	208	1281	91			-1189.612326	-1.2474	ng/L
Tb-Precon	159	12	12			-0.017301		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-13

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 16:18:55

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 248

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245005-13.278

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4360			4044.904421	949.5339	ng/L
Fe-Precon	54	133	3494			3360.486739	6039.1792	ng/L
Fe-Precon	56	2555	68761			66205.987102	6099.5585	ng/L
Fe-Precon	57	80	1840			1760.016373	6426.2939	ng/L
Co-Precon	59	33	2386			2352.472442	169.6252	ng/L
Ni-Precon	60	27	1224			1196.456587	509.4873	ng/L
Cu-Precon	63	311	8686			8375.532812	1505.1629	ng/L
Cu-Precon	65	146	4119			3972.252857	1519.3880	ng/L
Zn-Precon	66	221	1371			1149.132779	647.1487	ng/L
Zn-Precon	68	151	928			777.523678	644.2596	ng/L
Cd-Precon	111	4	54			49.565312	26.3921	ng/L
Cd-Precon	114	12	167			155.562325	26.9548	ng/L
Pb-Precon	208	1281	27932			26650.958098	899.9156	ng/L
Tb-Precon	159	12	330			318.123544		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 16:29:26
 Diluted To Volume (mL):
 Aliquot Volume (mL):
 Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam
 Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.279
 Calibration File: C:\Elandata\System\2012\12-12\1200959.cal
 Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	47			-268.264715	-5.1775	ng/L
Fe-Precon	54	133	648			514.350028	84.5874	ng/L
Fe-Precon	56	2555	12757			10202.130628	87.1303	ng/L
Fe-Precon	57	80	359			279.399463	88.3210	ng/L
Co-Precon	59	33	49			16.003654	0.4347	ng/L
Ni-Precon	60	27	28			1.354172	-1.4117	ng/L
Cu-Precon	63	311	246			-64.750373	-1.5507	ng/L
Cu-Precon	65	146	113			-33.424806	-1.3535	ng/L
Zn-Precon	66	221	346			124.661203	8.0342	ng/L
Zn-Precon	68	151	229			77.893117	5.5609	ng/L
Cd-Precon	111	4	1			-3.204429	-0.0095	ng/L
Cd-Precon	114	12	-0			-11.927969	-0.5675	ng/L
Pb-Precon	208	1281	84			-1197.176275	-1.2721	ng/L
Tb-Precon	159	12	12			0.096973		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-14

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 16:39:57

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 249

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245005-14.280

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	5018			4703.384529	1102.4011	ng/L
Fe-Precon	54	133	318881			318747.431431	581521.2335	ng/L
Fe-Precon	56	2555	6776198			6773642.850442	632274.1797	ng/L
Fe-Precon	57	80	163302			163222.659135	610904.6749	ng/L
Co-Precon	59	33	14544			14510.740342	1029.6834	ng/L
Ni-Precon	60	27	2931			2903.536412	1257.4011	ng/L
Cu-Precon	63	311	1785			1473.938155	261.7153	ng/L
Cu-Precon	65	146	682			535.365166	204.1336	ng/L
Zn-Precon	66	221	20360			20138.195960	11153.1838	ng/L
Zn-Precon	68	151	13739			13588.140632	11422.7692	ng/L
Cd-Precon	111	4	305			300.785591	152.4896	ng/L
Cd-Precon	114	12	809			797.093131	151.9337	ng/L
Pb-Precon	208	1281	144964			143683.285563	4735.2909	ng/L
Tb-Precon	159	12	911			899.750492		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 16:50:28

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.281

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	38			-277.373126	-5.3890	ng/L
Fe-Precon	54	133	1129			995.862882	172.4484	ng/L
Fe-Precon	56	2555	21995			19439.796520	173.3688	ng/L
Fe-Precon	57	80	592			512.820774	175.7085	ng/L
Co-Precon	59	33	47			13.648613	0.4180	ng/L
Ni-Precon	60	27	32			4.855513	-1.2583	ng/L
Cu-Precon	63	311	228			-82.709753	-1.8743	ng/L
Cu-Precon	65	146	96			-50.180735	-1.9948	ng/L
Zn-Precon	66	221	344			122.131933	7.8942	ng/L
Zn-Precon	68	151	257			106.618262	7.9778	ng/L
Cd-Precon	111	4	1			-3.271992	-0.0129	ng/L
Cd-Precon	114	12	5			-6.329651	-0.4584	ng/L
Pb-Precon	208	1281	101			-1179.835414	-1.2153	ng/L
Tb-Precon	159	12	6			-5.922088		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-15

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 17:00:59

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 250

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245005-15.282

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4778			4462.856816	1046.5622	ng/L
Fe-Precon	54	133	3945			3811.555708	6862.2383	ng/L
Fe-Precon	56	2555	77159			74604.340616	6883.5891	ng/L
Fe-Precon	57	80	2100			2020.347936	7400.9144	ng/L
Co-Precon	59	33	2676			2642.832730	190.1648	ng/L
Ni-Precon	60	27	1295			1267.754211	540.7245	ng/L
Cu-Precon	63	311	8729			8417.890227	1512.7943	ng/L
Cu-Precon	65	146	4020			3873.970003	1481.7764	ng/L
Zn-Precon	66	221	2310			2088.474899	1166.8563	ng/L
Zn-Precon	68	151	1520			1369.301680	1142.1657	ng/L
Cd-Precon	111	4	48			43.496858	23.3461	ng/L
Cd-Precon	114	12	147			134.866901	22.9231	ng/L
Pb-Precon	208	1281	28108			26827.192683	905.6912	ng/L
Tb-Precon	159	12	384			372.385652		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 17:11:30

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.283

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	38			-276.652721	-5.3723	ng/L
Fe-Precon	54	133	529			395.428042	62.8879	ng/L
Fe-Precon	56	2555	10680			8125.008643	67.7393	ng/L
Fe-Precon	57	80	314			234.677117	71.5780	ng/L
Co-Precon	59	33	38			5.059876	0.3573	ng/L
Ni-Precon	60	27	25			-2.192178	-1.5670	ng/L
Cu-Precon	63	311	251			-59.610330	-1.4581	ng/L
Cu-Precon	65	146	111			-35.582627	-1.4361	ng/L
Zn-Precon	66	221	370			148.256475	9.3396	ng/L
Zn-Precon	68	151	256			104.887403	7.8321	ng/L
Cd-Precon	111	4	-3			-6.782472	-0.1891	ng/L
Cd-Precon	114	12	-1			-12.475121	-0.5781	ng/L
Pb-Precon	208	1281	97			-1183.447724	-1.2272	ng/L
Tb-Precon	159	12	20			7.851153		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-16

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 17:22:01

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 251

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245005-16.284

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4273			3958.234289	929.4133	ng/L
Fe-Precon	54	133	194124			193990.563095	353879.1573	ng/L
Fe-Precon	56	2555	4056352			4053797.344481	378362.2512	ng/L
Fe-Precon	57	80	98344			98263.927585	367714.3728	ng/L
Co-Precon	59	33	7309			7275.528793	517.8750	ng/L
Ni-Precon	60	27	2353			2325.780271	1004.2719	ng/L
Cu-Precon	63	311	1206			894.881099	157.3877	ng/L
Cu-Precon	65	146	482			335.592434	127.6831	ng/L
Zn-Precon	66	221	16354			16132.349795	8936.8786	ng/L
Zn-Precon	68	151	11038			10886.969691	9150.0764	ng/L
Cd-Precon	111	4	340			335.320499	169.8241	ng/L
Cd-Precon	114	12	824			812.226167	154.8818	ng/L
Pb-Precon	208	1281	126536			125255.552542	4131.3785	ng/L
Tb-Precon	159	12	633			621.516514		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 17:32:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.285

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	34			-281.477070	-5.4843	ng/L
Fe-Precon	54	133	989			855.190610	146.7801	ng/L
Fe-Precon	56	2555	19544			16988.754122	150.4870	ng/L
Fe-Precon	57	80	527			447.376709	151.2078	ng/L
Co-Precon	59	33	35			1.710842	0.3336	ng/L
Ni-Precon	60	27	31			3.487524	-1.3182	ng/L
Cu-Precon	63	311	252			-58.527151	-1.4386	ng/L
Cu-Precon	65	146	108			-38.762011	-1.5578	ng/L
Zn-Precon	66	221	358			136.139432	8.6692	ng/L
Zn-Precon	68	151	269			118.176040	8.9502	ng/L
Cd-Precon	111	4	0			-3.812641	-0.0400	ng/L
Cd-Precon	114	12	4			-8.116919	-0.4932	ng/L
Pb-Precon	208	1281	124			-1156.652262	-1.1393	ng/L
Tb-Precon	159	12	11			-1.073593		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-17

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 17:43:02

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 252

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245005-17.286

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4515			4200.232049	985.5934	ng/L
Fe-Precon	54	133	3467			3333.337957	5989.6412	ng/L
Fe-Precon	56	2555	67381			64825.810781	5970.7118	ng/L
Fe-Precon	57	80	1814			1734.604449	6331.1576	ng/L
Co-Precon	59	33	2478			2444.798551	176.1562	ng/L
Ni-Precon	60	27	1216			1188.783657	506.1256	ng/L
Cu-Precon	63	311	9085			8774.078791	1576.9682	ng/L
Cu-Precon	65	146	4265			4118.417688	1575.3235	ng/L
Zn-Precon	66	221	1293			1071.085624	603.9677	ng/L
Zn-Precon	68	151	869			717.805490	594.0143	ng/L
Cd-Precon	111	4	44			39.827475	21.5043	ng/L
Cd-Precon	114	12	151			139.654256	23.8557	ng/L
Pb-Precon	208	1281	28570			27288.747941	920.8172	ng/L
Tb-Precon	159	12	338			326.388793		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 17:53:33

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.287

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	42			-273.310729	-5.2947	ng/L
Fe-Precon	54	133	454			321.009728	49.3089	ng/L
Fe-Precon	56	2555	8973			6417.826309	51.8018	ng/L
Fe-Precon	57	80	261			181.510310	51.6736	ng/L
Co-Precon	59	33	36			3.016475	0.3428	ng/L
Ni-Precon	60	27	30			3.293588	-1.3267	ng/L
Cu-Precon	63	311	252			-58.748720	-1.4426	ng/L
Cu-Precon	65	146	117			-29.449123	-1.2014	ng/L
Zn-Precon	66	221	360			138.261433	8.7866	ng/L
Zn-Precon	68	151	250			99.130393	7.3478	ng/L
Cd-Precon	111	4	2			-2.462901	0.0277	ng/L
Cd-Precon	114	12	1			-10.819876	-0.5459	ng/L
Pb-Precon	208	1281	87			-1193.681725	-1.2607	ng/L
Tb-Precon	159	12	13			1.271007		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-18

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 18:04:04

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 253

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245005-18.288

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4441			4126.045230	968.3709	ng/L
Fe-Precon	54	133	3270			3136.853876	5631.1195	ng/L
Fe-Precon	56	2555	63728			61173.183118	5629.7197	ng/L
Fe-Precon	57	80	1751			1671.830064	6096.1450	ng/L
Co-Precon	59	33	2280			2246.363155	162.1191	ng/L
Ni-Precon	60	27	1286			1259.146381	536.9532	ng/L
Cu-Precon	63	311	8206			7894.888872	1418.5661	ng/L
Cu-Precon	65	146	3848			3701.666572	1415.8380	ng/L
Zn-Precon	66	221	1440			1218.395644	685.4696	ng/L
Zn-Precon	68	151	1019			868.156648	720.5157	ng/L
Cd-Precon	111	4	50			46.055873	24.6306	ng/L
Cd-Precon	114	12	148			136.526037	23.2463	ng/L
Pb-Precon	208	1281	26548			25267.299792	854.5705	ng/L
Tb-Precon	159	12	349			337.493989		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 18:14:34

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.289

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	40			-274.619827	-5.3251	ng/L
Fe-Precon	54	133	425			291.899079	43.9971	ng/L
Fe-Precon	56	2555	8230			5675.260433	44.8696	ng/L
Fe-Precon	57	80	242			162.131513	44.4187	ng/L
Co-Precon	59	33	37			3.909982	0.3491	ng/L
Ni-Precon	60	27	32			4.571504	-1.2707	ng/L
Cu-Precon	63	311	264			-46.814100	-1.2276	ng/L
Cu-Precon	65	146	136			-10.501281	-0.4763	ng/L
Zn-Precon	66	221	345			123.252782	7.9562	ng/L
Zn-Precon	68	151	251			100.570952	7.4690	ng/L
Cd-Precon	111	4	1			-3.545986	-0.0267	ng/L
Cd-Precon	114	12	0			-11.228041	-0.5538	ng/L
Pb-Precon	208	1281	96			-1184.725723	-1.2313	ng/L
Tb-Precon	159	12	13			1.038976		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVD

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 18:25:06

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCVD.290

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	24805			24490.070242	569.5912	ng/L
Fe-Precon	54	133	6767			6633.996683	1201.2306	ng/L
Fe-Precon	56	2555	132897			130341.532693	1208.6950	ng/L
Fe-Precon	57	80	3462			3382.514921	1250.0549	ng/L
Co-Precon	59	33	62934			62900.992189	445.2740	ng/L
Ni-Precon	60	27	6319			6292.114260	274.2021	ng/L
Cu-Precon	63	311	26195			25884.508742	465.9723	ng/L
Cu-Precon	65	146	12344			12197.504182	466.7090	ng/L
Zn-Precon	66	221	53232			53010.972426	2934.0629	ng/L
Zn-Precon	68	151	34882			34731.483055	2921.2211	ng/L
Cd-Precon	111	4	10598			10594.169964	531.9152	ng/L
Cd-Precon	114	12	26826			26814.217208	522.0422	ng/L
Pb-Precon	208	1281	143055			141774.239340	467.2728	ng/L
Tb-Precon	159	12	8			-4.010392		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 18:35:37

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.291

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	189			-126.422960	-1.8846	ng/L
Fe-Precon	54	133	535			401.280877	63.9558	ng/L
Fe-Precon	56	2555	10276			7720.665697	63.9645	ng/L
Fe-Precon	57	80	283			203.804955	60.0202	ng/L
Co-Precon	59	33	35			1.832036	0.3344	ng/L
Ni-Precon	60	27	48			21.056578	-0.5484	ng/L
Cu-Precon	63	311	428			117.767841	1.7377	ng/L
Cu-Precon	65	146	190			43.718343	1.5986	ng/L
Zn-Precon	66	221	347			125.379767	8.0739	ng/L
Zn-Precon	68	151	261			110.195872	8.2788	ng/L
Cd-Precon	111	4	2			-2.573610	0.0222	ng/L
Cd-Precon	114	12	4			-7.728264	-0.4856	ng/L
Pb-Precon	208	1281	137			-1143.920479	-1.0976	ng/L
Tb-Precon	159	12	4			-7.393953		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBD

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 18:46:09

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 10

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCBD.292

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	130			-184.836266	-3.2407	ng/L
Fe-Precon	54	133	347			213.595388	29.7091	ng/L
Fe-Precon	56	2555	6727			4171.958291	30.8355	ng/L
Fe-Precon	57	80	197			117.727207	27.7947	ng/L
Co-Precon	59	33	102			68.472577	0.8058	ng/L
Ni-Precon	60	27	29			1.780166	-1.3930	ng/L
Cu-Precon	63	311	249			-62.179666	-1.5044	ng/L
Cu-Precon	65	146	115			-31.457546	-1.2782	ng/L
Zn-Precon	66	221	1319			1097.545417	61.8607	ng/L
Zn-Precon	68	151	921			770.540102	63.8384	ng/L
Cd-Precon	111	4	5			1.014947	0.2023	ng/L
Cd-Precon	114	12	10			-1.821081	-0.3706	ng/L
Pb-Precon	208	1281	489			-792.203416	0.0550	ng/L
Tb-Precon	159	12	3			-8.346334		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 18:56:41

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.293

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	40			-274.695990	-5.3268	ng/L
Fe-Precon	54	133	252			118.490773	12.3555	ng/L
Fe-Precon	56	2555	5044			2488.464148	15.1192	ng/L
Fe-Precon	57	80	145			65.533488	8.2546	ng/L
Co-Precon	59	33	39			5.288364	0.3589	ng/L
Ni-Precon	60	27	27			0.429500	-1.4522	ng/L
Cu-Precon	63	311	221			-89.632018	-1.9990	ng/L
Cu-Precon	65	146	92			-53.872393	-2.1360	ng/L
Zn-Precon	66	221	321			99.501612	6.6422	ng/L
Zn-Precon	68	151	244			93.430395	6.8682	ng/L
Cd-Precon	111	4	2			-2.169254	0.0424	ng/L
Cd-Precon	114	12	5			-6.852205	-0.4686	ng/L
Pb-Precon	208	1281	83			-1198.229005	-1.2756	ng/L
Tb-Precon	159	12	2			-9.541140		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-19

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 19:07:11

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 254

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245005-19.294

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4229			3913.767689	919.0903	ng/L
Fe-Precon	54	133	6337			6203.905559	11227.5249	ng/L
Fe-Precon	56	2555	123214			120659.158682	11183.0494	ng/L
Fe-Precon	57	80	3316			3235.970119	11951.9196	ng/L
Co-Precon	59	33	2261			2227.232089	160.7658	ng/L
Ni-Precon	60	27	1276			1248.910121	532.4685	ng/L
Cu-Precon	63	311	8715			8404.411723	1510.3659	ng/L
Cu-Precon	65	146	4106			3959.746906	1514.6022	ng/L
Zn-Precon	66	221	2026			1804.756628	1009.8842	ng/L
Zn-Precon	68	151	1344			1193.536163	994.2813	ng/L
Cd-Precon	111	4	39			35.233835	19.1986	ng/L
Cd-Precon	114	12	161			149.538959	25.7814	ng/L
Pb-Precon	208	1281	26338			25056.791723	847.6717	ng/L
Tb-Precon	159	12	351			339.179112		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 19:17:41

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.295

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	56			-259.571835	-4.9757	ng/L
Fe-Precon	54	133	416			282.839492	42.3440	ng/L
Fe-Precon	56	2555	7922			5366.830421	41.9902	ng/L
Fe-Precon	57	80	251			171.446270	47.9059	ng/L
Co-Precon	59	33	52			18.462597	0.4521	ng/L
Ni-Precon	60	27	30			3.144684	-1.3332	ng/L
Cu-Precon	63	311	249			-61.907006	-1.4995	ng/L
Cu-Precon	65	146	94			-51.856770	-2.0589	ng/L
Zn-Precon	66	221	325			103.069511	6.8396	ng/L
Zn-Precon	68	151	257			106.647265	7.9802	ng/L
Cd-Precon	111	4	-0			-4.609304	-0.0800	ng/L
Cd-Precon	114	12	3			-8.515170	-0.5010	ng/L
Pb-Precon	208	1281	70			-1210.942754	-1.3173	ng/L
Tb-Precon	159	12	14			2.122963		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122114-DUP3

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 19:28:12

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 255

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122114-DUP3.296

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4400			4084.921391	958.8239	ng/L
Fe-Precon	54	133	6834			6700.601472	12133.8388	ng/L
Fe-Precon	56	2555	133474			130919.322793	12140.8898	ng/L
Fe-Precon	57	80	3565			3484.991805	12884.1986	ng/L
Co-Precon	59	33	2341			2307.443113	166.4398	ng/L
Ni-Precon	60	27	1307			1279.950728	546.0681	ng/L
Cu-Precon	63	311	9344			9032.890284	1623.5977	ng/L
Cu-Precon	65	146	4413			4266.654539	1632.0519	ng/L
Zn-Precon	66	221	2180			1958.773327	1095.0966	ng/L
Zn-Precon	68	151	1456			1305.026375	1088.0862	ng/L
Cd-Precon	111	4	51			47.299791	25.2550	ng/L
Cd-Precon	114	12	166			153.807552	26.6130	ng/L
Pb-Precon	208	1281	27420			26138.821585	883.1319	ng/L
Tb-Precon	159	12	375			363.628475		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 19:38:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.297

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	30			-285.258868	-5.5721	ng/L
Fe-Precon	54	133	318			184.309454	24.3654	ng/L
Fe-Precon	56	2555	6257			3701.688090	26.4452	ng/L
Fe-Precon	57	80	189			109.754706	24.8100	ng/L
Co-Precon	59	33	41			7.806174	0.3767	ng/L
Ni-Precon	60	27	26			-0.588683	-1.4968	ng/L
Cu-Precon	63	311	207			-103.986896	-2.2577	ng/L
Cu-Precon	65	146	89			-57.436056	-2.2724	ng/L
Zn-Precon	66	221	303			81.618921	5.6528	ng/L
Zn-Precon	68	151	229			78.150572	5.5826	ng/L
Cd-Precon	111	4	-3			-6.748710	-0.1874	ng/L
Cd-Precon	114	12	-1			-12.228168	-0.5733	ng/L
Pb-Precon	208	1281	65			-1215.541815	-1.3323	ng/L
Tb-Precon	159	12	10			-1.845886		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122114-MS3

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 19:49:12

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 256

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122114-MS3.298

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	134578			134262.925060	31179.8575	ng/L
Fe-Precon	54	133	51926			51792.487676	94412.3597	ng/L
Fe-Precon	56	2555	1064819			1062264.252284	99086.8530	ng/L
Fe-Precon	57	80	26397			26317.062463	98362.1325	ng/L
Co-Precon	59	33	369296			369262.349621	26124.2995	ng/L
Ni-Precon	60	27	39823			39796.159046	17420.9695	ng/L
Cu-Precon	63	311	160914			160603.723546	28931.8343	ng/L
Cu-Precon	65	146	76125			75978.334619	29075.2254	ng/L
Zn-Precon	66	221	320574			320352.847679	177252.2511	ng/L
Zn-Precon	68	151	214949			214798.288456	180715.5926	ng/L
Cd-Precon	111	4	63168			63163.435080	31705.7711	ng/L
Cd-Precon	114	12	160282			160270.376047	31219.4917	ng/L
Pb-Precon	208	1281	988922			987641.180042	32393.4199	ng/L
Tb-Precon	159	12	338			325.874169		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 19:59:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.299

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	361			45.615301	2.1092	ng/L
Fe-Precon	54	133	967			833.552665	142.8319	ng/L
Fe-Precon	56	2555	19414			16859.127900	149.2769	ng/L
Fe-Precon	57	80	528			448.791800	151.7376	ng/L
Co-Precon	59	33	56			23.072170	0.4847	ng/L
Ni-Precon	60	27	102			74.668465	1.8004	ng/L
Cu-Precon	63	311	788			477.346269	8.2161	ng/L
Cu-Precon	65	146	396			249.232422	9.4634	ng/L
Zn-Precon	66	221	378			156.571224	9.7996	ng/L
Zn-Precon	68	151	263			112.566317	8.4782	ng/L
Cd-Precon	111	4	4			-0.000328	0.1513	ng/L
Cd-Precon	114	12	9			-2.677540	-0.3872	ng/L
Pb-Precon	208	1281	170			-1110.491408	-0.9881	ng/L
Tb-Precon	159	12	13			1.049371		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122114-MSD3

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 20:10:13

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 257

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122114-MSD3.300

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	127252			126937.249400	29479.1901	ng/L
Fe-Precon	54	133	49454			49321.054505	89902.7709	ng/L
Fe-Precon	56	2555	1008058			1005502.821876	93787.8740	ng/L
Fe-Precon	57	80	24949			24869.259022	92941.8949	ng/L
Co-Precon	59	33	354321			354288.111107	25065.0435	ng/L
Ni-Precon	60	27	37121			37093.658353	16236.9372	ng/L
Cu-Precon	63	311	158456			158145.194552	28488.8857	ng/L
Cu-Precon	65	146	74656			74509.732704	28513.2096	ng/L
Zn-Precon	66	221	317037			316815.880818	175295.3616	ng/L
Zn-Precon	68	151	213773			213622.733984	179726.5126	ng/L
Cd-Precon	111	4	62536			62532.102626	31388.8801	ng/L
Cd-Precon	114	12	158440			158428.449599	30860.6594	ng/L
Pb-Precon	208	1281	952329			951047.942056	31194.1889	ng/L
Tb-Precon	159	12	314			302.182091		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 20:20:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.301

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	365			49.764079	2.2056	ng/L
Fe-Precon	54	133	882			748.920295	127.3891	ng/L
Fe-Precon	56	2555	17186			14631.295346	128.4789	ng/L
Fe-Precon	57	80	489			409.739008	137.1171	ng/L
Co-Precon	59	33	68			34.480099	0.5654	ng/L
Ni-Precon	60	27	96			68.490124	1.5297	ng/L
Cu-Precon	63	311	699			388.514857	6.6157	ng/L
Cu-Precon	65	146	333			187.175330	7.0886	ng/L
Zn-Precon	66	221	329			107.688204	7.0951	ng/L
Zn-Precon	68	151	237			86.725377	6.3040	ng/L
Cd-Precon	111	4	5			1.101177	0.2066	ng/L
Cd-Precon	114	12	16			4.670117	-0.2441	ng/L
Pb-Precon	208	1281	228			-1052.288737	-0.7973	ng/L
Tb-Precon	159	12	8			-3.407791		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-20

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 20:31:12

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 258

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245005-20.302

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4024			3709.130305	871.5834	ng/L
Fe-Precon	54	133	3343			3209.683458	5764.0106	ng/L
Fe-Precon	56	2555	64139			61583.622767	5668.0364	ng/L
Fe-Precon	57	80	1740			1660.526458	6053.8269	ng/L
Co-Precon	59	33	2239			2205.202834	159.2075	ng/L
Ni-Precon	60	27	1181			1154.427737	491.0734	ng/L
Cu-Precon	63	311	8315			8004.600329	1438.3327	ng/L
Cu-Precon	65	146	3881			3734.923993	1428.5652	ng/L
Zn-Precon	66	221	1736			1514.560939	849.3283	ng/L
Zn-Precon	68	151	1167			1016.285457	845.1473	ng/L
Cd-Precon	111	4	44			40.174264	21.6784	ng/L
Cd-Precon	114	12	169			157.239416	27.2815	ng/L
Pb-Precon	208	1281	26423			25141.913516	850.4613	ng/L
Tb-Precon	159	12	325			313.355178		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 20:41:41
 Diluted To Volume (mL):
 Aliquot Volume (mL):
 Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam
 Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.303
 Calibration File: C:\Elandata\System\2012\12-12\1200959.cal
 Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	62			-252.967239	-4.8224	ng/L
Fe-Precon	54	133	311			177.865885	23.1896	ng/L
Fe-Precon	56	2555	5874			3318.743344	22.8703	ng/L
Fe-Precon	57	80	172			92.632444	18.3998	ng/L
Co-Precon	59	33	50			17.077328	0.4423	ng/L
Ni-Precon	60	27	31			3.459843	-1.3194	ng/L
Cu-Precon	63	311	291			-19.597561	-0.7372	ng/L
Cu-Precon	65	146	126			-20.138411	-0.8451	ng/L
Zn-Precon	66	221	317			95.712622	6.4325	ng/L
Zn-Precon	68	151	236			84.967023	6.1561	ng/L
Cd-Precon	111	4	-0			-4.485580	-0.0738	ng/L
Cd-Precon	114	12	4			-7.671460	-0.4845	ng/L
Pb-Precon	208	1281	83			-1197.498220	-1.2732	ng/L
Tb-Precon	159	12	10			-1.793936		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-21

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 20:52:11

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 259

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245005-21.304

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4164			3849.192888	904.0991	ng/L
Fe-Precon	54	133	4006			3872.234625	6972.9582	ng/L
Fe-Precon	56	2555	77923			75367.825277	6954.8644	ng/L
Fe-Precon	57	80	2112			2032.796351	7447.5183	ng/L
Co-Precon	59	33	2476			2443.121915	176.0376	ng/L
Ni-Precon	60	27	1218			1190.808345	507.0126	ng/L
Cu-Precon	63	311	9553			9242.407733	1661.3461	ng/L
Cu-Precon	65	146	4446			4299.916657	1644.7809	ng/L
Zn-Precon	66	221	1544			1322.612647	743.1295	ng/L
Zn-Precon	68	151	1033			882.692123	732.7455	ng/L
Cd-Precon	111	4	49			44.425222	23.8121	ng/L
Cd-Precon	114	12	171			159.619305	27.7452	ng/L
Pb-Precon	208	1281	28483			27202.068343	917.9766	ng/L
Tb-Precon	159	12	339			327.588235		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 21:02:41

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.305

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	36			-278.810299	-5.4223	ng/L
Fe-Precon	54	133	256			122.471707	13.0819	ng/L
Fe-Precon	56	2555	5075			2519.694590	15.4107	ng/L
Fe-Precon	57	80	160			80.360611	13.8055	ng/L
Co-Precon	59	33	32			-1.530735	0.3106	ng/L
Ni-Precon	60	27	29			2.181909	-1.3754	ng/L
Cu-Precon	63	311	261			-50.015280	-1.2853	ng/L
Cu-Precon	65	146	118			-27.886876	-1.1416	ng/L
Zn-Precon	66	221	312			90.453187	6.1415	ng/L
Zn-Precon	68	151	222			71.500425	5.0231	ng/L
Cd-Precon	111	4	-0			-4.429054	-0.0710	ng/L
Cd-Precon	114	12	-0			-11.916302	-0.5672	ng/L
Pb-Precon	208	1281	82			-1198.800309	-1.2775	ng/L
Tb-Precon	159	12	9			-3.009522		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-22

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 21:13:10

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 260

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245005-22.306

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	3754			3438.547578	808.7672	ng/L
Fe-Precon	54	133	3688			3554.475891	6393.1484	ng/L
Fe-Precon	56	2555	71704			69149.173461	6374.3205	ng/L
Fe-Precon	57	80	1998			1918.107974	7018.1519	ng/L
Co-Precon	59	33	2303			2269.575865	163.7612	ng/L
Ni-Precon	60	27	1079			1052.381986	446.3646	ng/L
Cu-Precon	63	311	8822			8511.270914	1529.6186	ng/L
Cu-Precon	65	146	4163			4016.317596	1536.2511	ng/L
Zn-Precon	66	221	1433			1211.868865	681.8585	ng/L
Zn-Precon	68	151	1004			853.351720	708.0592	ng/L
Cd-Precon	111	4	54			50.008412	26.6145	ng/L
Cd-Precon	114	12	161			149.767378	25.8259	ng/L
Pb-Precon	208	1281	27335			26054.529083	880.3695	ng/L
Tb-Precon	159	12	348			336.665146		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 21:23:41

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.307

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	26			-289.044197	-5.6599	ng/L
Fe-Precon	54	133	225			91.957790	7.5141	ng/L
Fe-Precon	56	2555	4358			1802.763281	8.7178	ng/L
Fe-Precon	57	80	131			51.109118	2.8545	ng/L
Co-Precon	59	33	33			-0.533308	0.3177	ng/L
Ni-Precon	60	27	26			-1.239771	-1.5253	ng/L
Cu-Precon	63	311	189			-121.405549	-2.5715	ng/L
Cu-Precon	65	146	84			-62.374705	-2.4614	ng/L
Zn-Precon	66	221	289			67.669502	4.8810	ng/L
Zn-Precon	68	151	226			75.386824	5.3500	ng/L
Cd-Precon	111	4	-0			-4.393924	-0.0692	ng/L
Cd-Precon	114	12	2			-9.443153	-0.5190	ng/L
Pb-Precon	208	1281	65			-1215.444953	-1.3320	ng/L
Tb-Precon	159	12	10			-1.731595		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-23

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 21:34:12

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 301

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245005-23.308

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4385			4069.603291	955.2678	ng/L
Fe-Precon	54	133	3527			3393.455877	6099.3375	ng/L
Fe-Precon	56	2555	68636			66080.611901	6087.8541	ng/L
Fe-Precon	57	80	1878			1798.327862	6569.7231	ng/L
Co-Precon	59	33	2558			2524.812685	181.8163	ng/L
Ni-Precon	60	27	1181			1153.673383	490.7429	ng/L
Cu-Precon	63	311	9770			9459.542841	1700.4670	ng/L
Cu-Precon	65	146	4560			4413.274136	1688.1614	ng/L
Zn-Precon	66	221	1472			1250.414623	703.1846	ng/L
Zn-Precon	68	151	1013			862.339625	715.6214	ng/L
Cd-Precon	111	4	41			36.884469	20.0271	ng/L
Cd-Precon	114	12	135			123.096209	20.6300	ng/L
Pb-Precon	208	1281	29260			27978.954515	943.4366	ng/L
Tb-Precon	159	12	348			335.919743		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 21:44:43

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.309

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	25			-290.045110	-5.6832	ng/L
Fe-Precon	54	133	207			73.258000	4.1020	ng/L
Fe-Precon	56	2555	4278			1722.806130	7.9713	ng/L
Fe-Precon	57	80	126			46.893932	1.2764	ng/L
Co-Precon	59	33	39			5.381903	0.3595	ng/L
Ni-Precon	60	27	28			0.616506	-1.4440	ng/L
Cu-Precon	63	311	245			-65.947677	-1.5723	ng/L
Cu-Precon	65	146	111			-35.530119	-1.4341	ng/L
Zn-Precon	66	221	301			79.705500	5.5469	ng/L
Zn-Precon	68	151	208			57.150644	3.8157	ng/L
Cd-Precon	111	4	-0			-4.269627	-0.0630	ng/L
Cd-Precon	114	12	3			-8.618675	-0.5030	ng/L
Pb-Precon	208	1281	73			-1208.185936	-1.3082	ng/L
Tb-Precon	159	12	8			-3.632902		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-24

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 21:55:15

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 302

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245005-24.310

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	8286			7971.122128	1861.0117	ng/L
Fe-Precon	54	133	724650			724516.409179	1321922.0928	ng/L
Fe-Precon	56	2555	14503974			14501418.908711	1353702.8483	ng/L
Fe-Precon	57	80	350187			350107.574316	1310558.0996	ng/L
Co-Precon	59	33	18180			18146.853848	1286.8969	ng/L
Ni-Precon	60	27	4328			4300.675222	1869.5221	ng/L
Cu-Precon	63	311	2896			2585.288764	461.9453	ng/L
Cu-Precon	65	146	1065			918.877112	350.8989	ng/L
Zn-Precon	66	221	36592			36370.129177	20133.7880	ng/L
Zn-Precon	68	151	24545			24393.839936	20514.3949	ng/L
Cd-Precon	111	4	495			491.114464	248.0233	ng/L
Cd-Precon	114	12	1293			1281.256164	246.2552	ng/L
Pb-Precon	208	1281	255047			253766.060260	8342.9159	ng/L
Tb-Precon	159	12	2158			2146.477694		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 22:05:46

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.311

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2			-313.432269	-6.2261	ng/L
Fe-Precon	54	133	11			-122.228779	-31.5682	ng/L
Fe-Precon	56	2555	197			-2357.884401	-30.1241	ng/L
Fe-Precon	57	80	34			-45.236857	-33.2152	ng/L
Co-Precon	59	33	9			-24.014000	0.1516	ng/L
Ni-Precon	60	27	2			-24.793142	-2.5572	ng/L
Cu-Precon	63	311	22			-288.436054	-5.5808	ng/L
Cu-Precon	65	146	9			-137.087840	-5.3206	ng/L
Zn-Precon	66	221	9			-212.727986	-10.6325	ng/L
Zn-Precon	68	151	25			-125.845334	-11.5811	ng/L
Cd-Precon	111	4	0			-3.891358	-0.0440	ng/L
Cd-Precon	114	12	1			-11.053915	-0.5504	ng/L
Pb-Precon	208	1281	13			-1268.217743	-1.5050	ng/L
Tb-Precon	159	12	1			-10.244171		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-25

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 22:16:17

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 303

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245005-25.312

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2			-313.248718	-62.2184	ng/L
Fe-Precon	54	133	11			-122.446960	-316.0802	ng/L
Fe-Precon	56	2555	736			-1818.585188	-250.8942	ng/L
Fe-Precon	57	80	332			252.503891	782.5196	ng/L
Co-Precon	59	33	21			-12.301382	2.3445	ng/L
Ni-Precon	60	27	41			14.414353	-8.3946	ng/L
Cu-Precon	63	311	64			-247.033254	-48.3489	ng/L
Cu-Precon	65	146	15			-131.615969	-51.1118	ng/L
Zn-Precon	66	221	8			-213.230152	-106.6027	ng/L
Zn-Precon	68	151	33			-118.150070	-109.3363	ng/L
Cd-Precon	111	4	0			-4.034161	-0.5116	ng/L
Cd-Precon	114	12	2			-9.607662	-5.2225	ng/L
Pb-Precon	208	1281	19			-1261.658428	-14.8347	ng/L
Tb-Precon	159	12	3			-8.550662		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 22:26:48

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.313

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	1			-313.688546	-6.2321	ng/L
Fe-Precon	54	133	8			-125.650429	-32.1926	ng/L
Fe-Precon	56	2555	166			-2389.479892	-30.4190	ng/L
Fe-Precon	57	80	37			-42.248098	-32.0963	ng/L
Co-Precon	59	33	11			-22.299708	0.1637	ng/L
Ni-Precon	60	27	4			-22.916084	-2.4750	ng/L
Cu-Precon	63	311	30			-281.003991	-5.4469	ng/L
Cu-Precon	65	146	12			-134.781344	-5.2323	ng/L
Zn-Precon	66	221	7			-214.161753	-10.7118	ng/L
Zn-Precon	68	151	27			-123.635798	-11.3952	ng/L
Cd-Precon	111	4	1			-3.547378	-0.0267	ng/L
Cd-Precon	114	12	2			-10.017818	-0.5302	ng/L
Pb-Precon	208	1281	16			-1264.948471	-1.4943	ng/L
Tb-Precon	159	12	1			-10.625124		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVE

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 22:37:19

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCVE.314

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	5			-310.343082	-6.1544	ng/L
Fe-Precon	54	133	7			-125.820128	-32.2235	ng/L
Fe-Precon	56	2555	147			-2407.568607	-30.5879	ng/L
Fe-Precon	57	80	32			-47.730378	-34.1487	ng/L
Co-Precon	59	33	12			-21.638238	0.1684	ng/L
Ni-Precon	60	27	5			-22.528205	-2.4580	ng/L
Cu-Precon	63	311	24			-286.898391	-5.5531	ng/L
Cu-Precon	65	146	13			-133.790866	-5.1944	ng/L
Zn-Precon	66	221	9			-212.184262	-10.6024	ng/L
Zn-Precon	68	151	25			-125.415901	-11.5450	ng/L
Cd-Precon	111	4	0			-3.803991	-0.0396	ng/L
Cd-Precon	114	12	1			-10.441403	-0.5385	ng/L
Pb-Precon	208	1281	11			-1269.932036	-1.5106	ng/L
Tb-Precon	159	12	1			-11.030319		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 22:47:51

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.315

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2			-313.508460	-6.2279	ng/L
Fe-Precon	54	133	9			-124.130082	-31.9151	ng/L
Fe-Precon	56	2555	154			-2400.922497	-30.5258	ng/L
Fe-Precon	57	80	33			-46.376253	-33.6418	ng/L
Co-Precon	59	33	10			-23.127417	0.1579	ng/L
Ni-Precon	60	27	6			-21.444223	-2.4105	ng/L
Cu-Precon	63	311	34			-276.657660	-5.3686	ng/L
Cu-Precon	65	146	14			-132.630690	-5.1500	ng/L
Zn-Precon	66	221	8			-213.877772	-10.6961	ng/L
Zn-Precon	68	151	28			-122.371730	-11.2888	ng/L
Cd-Precon	111	4	1			-3.166651	-0.0076	ng/L
Cd-Precon	114	12	1			-10.794606	-0.5454	ng/L
Pb-Precon	208	1281	11			-1269.388312	-1.5088	ng/L
Tb-Precon	159	12	2			-10.043306		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBE

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 23, 2012 22:58:23

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 10

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCBE.316

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2			-313.307594	-6.2232	ng/L
Fe-Precon	54	133	8			-124.971641	-32.0687	ng/L
Fe-Precon	56	2555	147			-2407.873250	-30.5907	ng/L
Fe-Precon	57	80	37			-42.739881	-32.2804	ng/L
Co-Precon	59	33	9			-24.034779	0.1514	ng/L
Ni-Precon	60	27	4			-22.632102	-2.4626	ng/L
Cu-Precon	63	311	34			-276.553757	-5.3668	ng/L
Cu-Precon	65	146	13			-133.402985	-5.1796	ng/L
Zn-Precon	66	221	9			-212.790325	-10.6359	ng/L
Zn-Precon	68	151	25			-125.679103	-11.5671	ng/L
Cd-Precon	111	4	1			-3.474656	-0.0231	ng/L
Cd-Precon	114	12	2			-9.824329	-0.5265	ng/L
Pb-Precon	208	1281	8			-1272.681824	-1.5196	ng/L
Tb-Precon	159	12	1			-10.264951		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 23:08:54

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.317

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2			-313.349153	-6.2242	ng/L
Fe-Precon	54	133	10			-122.855623	-31.6826	ng/L
Fe-Precon	56	2555	169			-2386.449520	-30.3907	ng/L
Fe-Precon	57	80	38			-41.382294	-31.7722	ng/L
Co-Precon	59	33	7			-25.856426	0.1386	ng/L
Ni-Precon	60	27	5			-21.762837	-2.4245	ng/L
Cu-Precon	63	311	29			-281.578892	-5.4573	ng/L
Cu-Precon	65	146	12			-133.970954	-5.2013	ng/L
Zn-Precon	66	221	6			-215.006778	-10.7586	ng/L
Zn-Precon	68	151	27			-123.860914	-11.4141	ng/L
Cd-Precon	111	4	0			-3.909810	-0.0449	ng/L
Cd-Precon	114	12	0			-11.566770	-0.5604	ng/L
Pb-Precon	208	1281	13			-1267.386578	-1.5022	ng/L
Tb-Precon	159	12	2			-9.838976		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245020-04

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 23:19:25

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 304

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245020-04.318

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	1			-314.582053	-62.5279	ng/L
Fe-Precon	54	133	7			-125.920561	-322.4184	ng/L
Fe-Precon	56	2555	169			-2386.373252	-303.9002	ng/L
Fe-Precon	57	80	39			-40.939007	-316.0620	ng/L
Co-Precon	59	33	9			-24.239109	1.5000	ng/L
Ni-Precon	60	27	7			-20.166299	-23.5452	ng/L
Cu-Precon	63	311	29			-281.222174	-54.5087	ng/L
Cu-Precon	65	146	9			-137.565762	-53.3887	ng/L
Zn-Precon	66	221	10			-211.152226	-105.4531	ng/L
Zn-Precon	68	151	30			-120.505060	-111.3177	ng/L
Cd-Precon	111	4	-0			-4.512123	-0.7515	ng/L
Cd-Precon	114	12	-0			-11.960549	-5.6809	ng/L
Pb-Precon	208	1281	21			-1259.435048	-14.7618	ng/L
Tb-Precon	159	12	1			-10.348067		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 23:29:56

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.319

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2			-313.266036	-6.2222	ng/L
Fe-Precon	54	133	7			-126.142205	-32.2823	ng/L
Fe-Precon	56	2555	166			-2388.932617	-30.4139	ng/L
Fe-Precon	57	80	41			-38.867997	-30.8309	ng/L
Co-Precon	59	33	12			-21.655554	0.1683	ng/L
Ni-Precon	60	27	4			-22.815651	-2.4706	ng/L
Cu-Precon	63	311	23			-287.746876	-5.5684	ng/L
Cu-Precon	65	146	13			-133.406449	-5.1797	ng/L
Zn-Precon	66	221	8			-213.839676	-10.6940	ng/L
Zn-Precon	68	151	29			-121.363923	-11.2040	ng/L
Cd-Precon	111	4	0			-3.733073	-0.0360	ng/L
Cd-Precon	114	12	1			-10.533260	-0.5403	ng/L
Pb-Precon	208	1281	21			-1259.462750	-1.4763	ng/L
Tb-Precon	159	12	1			-10.971444		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122114-DUP4

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Sunday, December 23, 2012 23:40:27

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 305

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122114-DUP4.320

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2			-312.940494	-62.1468	ng/L
Fe-Precon	54	133	11			-122.668607	-316.4847	ng/L
Fe-Precon	56	2555	169			-2386.245204	-303.8883	ng/L
Fe-Precon	57	80	42			-37.285304	-302.3834	ng/L
Co-Precon	59	33	11			-22.074602	1.6531	ng/L
Ni-Precon	60	27	4			-23.130804	-24.8441	ng/L
Cu-Precon	63	311	31			-280.183217	-54.3215	ng/L
Cu-Precon	65	146	16			-130.604712	-50.7248	ng/L
Zn-Precon	66	221	8			-213.472577	-106.7369	ng/L
Zn-Precon	68	151	28			-122.828879	-113.2729	ng/L
Cd-Precon	111	4	0			-4.059853	-0.5245	ng/L
Cd-Precon	114	12	2			-10.217941	-5.3414	ng/L
Pb-Precon	208	1281	16			-1264.775317	-14.9368	ng/L
Tb-Precon	159	12	3			-8.772308		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 23, 2012 23:50:58

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.321

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	0			-314.658244	-6.2546	ng/L
Fe-Precon	54	133	11			-122.595879	-31.6352	ng/L
Fe-Precon	56	2555	165			-2389.767308	-30.4217	ng/L
Fe-Precon	57	80	44			-35.120789	-29.4280	ng/L
Co-Precon	59	33	11			-22.081529	0.1653	ng/L
Ni-Precon	60	27	5			-22.424310	-2.4535	ng/L
Cu-Precon	63	311	33			-277.720871	-5.3878	ng/L
Cu-Precon	65	146	13			-133.188268	-5.1714	ng/L
Zn-Precon	66	221	6			-215.010239	-10.7588	ng/L
Zn-Precon	68	151	32			-118.673017	-10.9776	ng/L
Cd-Precon	111	4	1			-3.254410	-0.0120	ng/L
Cd-Precon	114	12	1			-10.311302	-0.5360	ng/L
Pb-Precon	208	1281	22			-1258.406468	-1.4728	ng/L
Tb-Precon	159	12	1			-10.507375		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122114-MS4

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Monday, December 24, 2012 00:01:29

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 306

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122114-MS4.322

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	5			-310.142221	-61.4972	ng/L
Fe-Precon	54	133	9			-124.140469	-319.1703	ng/L
Fe-Precon	56	2555	169			-2385.635560	-303.8314	ng/L
Fe-Precon	57	80	40			-39.446352	-310.4738	ng/L
Co-Precon	59	33	14			-19.449491	1.8388	ng/L
Ni-Precon	60	27	5			-22.406994	-24.5269	ng/L
Cu-Precon	63	311	31			-280.120875	-54.3102	ng/L
Cu-Precon	65	146	18			-128.717261	-50.0025	ng/L
Zn-Precon	66	221	10			-211.228418	-105.4952	ng/L
Zn-Precon	68	151	28			-122.932773	-113.3603	ng/L
Cd-Precon	111	4	1			-3.152098	-0.0689	ng/L
Cd-Precon	114	12	0			-11.525186	-5.5961	ng/L
Pb-Precon	208	1281	13			-1267.525106	-15.0270	ng/L
Tb-Precon	159	12	1			-10.548933		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 24, 2012 00:11:59

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.323

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	1			-313.671231	-6.2316	ng/L
Fe-Precon	54	133	10			-123.302375	-31.7641	ng/L
Fe-Precon	56	2555	159			-2395.609787	-30.4763	ng/L
Fe-Precon	57	80	39			-41.105230	-31.6684	ng/L
Co-Precon	59	33	10			-23.428717	0.1557	ng/L
Ni-Precon	60	27	5			-21.821712	-2.4271	ng/L
Cu-Precon	63	311	30			-280.778889	-5.4429	ng/L
Cu-Precon	65	146	15			-131.505147	-5.1069	ng/L
Zn-Precon	66	221	6			-215.675177	-10.7955	ng/L
Zn-Precon	68	151	27			-123.736237	-11.4036	ng/L
Cd-Precon	111	4	0			-3.984819	-0.0487	ng/L
Cd-Precon	114	12	1			-10.374935	-0.5372	ng/L
Pb-Precon	208	1281	14			-1266.693936	-1.5000	ng/L
Tb-Precon	159	12	2			-10.122959		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122114-MSD4

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Monday, December 24, 2012 00:22:30

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 307

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\B122114-MSD4.324

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	6			-308.746548	-61.1732	ng/L
Fe-Precon	54	133	10			-123.756055	-318.4689	ng/L
Fe-Precon	56	2555	179			-2375.740941	-302.9077	ng/L
Fe-Precon	57	80	37			-42.885331	-323.3485	ng/L
Co-Precon	59	33	14			-19.044293	1.8675	ng/L
Ni-Precon	60	27	5			-22.469331	-24.5542	ng/L
Cu-Precon	63	311	34			-276.290552	-53.6201	ng/L
Cu-Precon	65	146	17			-129.579602	-50.3325	ng/L
Zn-Precon	66	221	7			-214.362620	-107.2293	ng/L
Zn-Precon	68	151	27			-123.964811	-114.2287	ng/L
Cd-Precon	111	4	1			-3.160523	-0.0731	ng/L
Cd-Precon	114	12	0			-11.600727	-5.6108	ng/L
Pb-Precon	208	1281	13			-1267.421208	-15.0236	ng/L
Tb-Precon	159	12	2			-9.721227		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 24, 2012 00:33:00

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.325

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2			-312.618416	-6.2072	ng/L
Fe-Precon	54	133	12			-121.480726	-31.4317	ng/L
Fe-Precon	56	2555	185			-2370.372991	-30.2407	ng/L
Fe-Precon	57	80	40			-39.564103	-31.0915	ng/L
Co-Precon	59	33	14			-19.078926	0.1865	ng/L
Ni-Precon	60	27	7			-20.391408	-2.3644	ng/L
Cu-Precon	63	311	31			-279.781480	-5.4249	ng/L
Cu-Precon	65	146	16			-130.182200	-5.0563	ng/L
Zn-Precon	66	221	6			-215.294223	-10.7745	ng/L
Zn-Precon	68	151	28			-122.853119	-11.3293	ng/L
Cd-Precon	111	4	1			-3.604060	-0.0296	ng/L
Cd-Precon	114	12	3			-8.748258	-0.5055	ng/L
Pb-Precon	208	1281	13			-1268.141557	-1.5047	ng/L
Tb-Precon	159	12	0			-11.719497		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245020-08

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Monday, December 24, 2012 00:43:31

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 308

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245020-08.326

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	1			-313.934434	-62.3776	ng/L
Fe-Precon	54	133	9			-124.656489	-320.1119	ng/L
Fe-Precon	56	2555	296			-2259.173116	-292.0254	ng/L
Fe-Precon	57	80	91			11.031401	-121.4969	ng/L
Co-Precon	59	33	15			-18.521348	1.9045	ng/L
Ni-Precon	60	27	15			-11.643287	-19.8111	ng/L
Cu-Precon	63	311	45			-265.973618	-51.7614	ng/L
Cu-Precon	65	146	15			-131.401249	-51.0297	ng/L
Zn-Precon	66	221	8			-213.147034	-106.5567	ng/L
Zn-Precon	68	151	31			-120.047915	-110.9331	ng/L
Cd-Precon	111	4	0			-3.939961	-0.4643	ng/L
Cd-Precon	114	12	1			-10.397728	-5.3764	ng/L
Pb-Precon	208	1281	15			-1266.174455	-14.9827	ng/L
Tb-Precon	159	12	0			-11.376639		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 24, 2012 00:54:01

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.327

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	1			-314.194175	-6.2438	ng/L
Fe-Precon	54	133	10			-123.163847	-31.7388	ng/L
Fe-Precon	56	2555	157			-2398.484290	-30.5031	ng/L
Fe-Precon	57	80	44			-36.048942	-29.7755	ng/L
Co-Precon	59	33	11			-22.808802	0.1601	ng/L
Ni-Precon	60	27	7			-20.183613	-2.3553	ng/L
Cu-Precon	63	311	38			-272.737296	-5.2980	ng/L
Cu-Precon	65	146	12			-134.043679	-5.2041	ng/L
Zn-Precon	66	221	8			-213.347900	-10.6668	ng/L
Zn-Precon	68	151	30			-120.418479	-11.1245	ng/L
Cd-Precon	111	4	0			-3.747241	-0.0368	ng/L
Cd-Precon	114	12	1			-10.687053	-0.5433	ng/L
Pb-Precon	208	1281	15			-1265.596100	-1.4964	ng/L
Tb-Precon	159	12	0			-11.234648		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245020-12

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Monday, December 24, 2012 01:04:32

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 309

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245020-12.328

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2			-313.550018	-62.2883	ng/L
Fe-Precon	54	133	10			-123.094582	-317.2619	ng/L
Fe-Precon	56	2555	230			-2325.534841	-298.2206	ng/L
Fe-Precon	57	80	69			-10.545465	-202.2756	ng/L
Co-Precon	59	33	16			-17.077188	2.0066	ng/L
Ni-Precon	60	27	10			-16.730791	-22.0401	ng/L
Cu-Precon	63	311	34			-277.066321	-53.7599	ng/L
Cu-Precon	65	146	16			-129.849734	-50.4359	ng/L
Zn-Precon	66	221	8			-212.987728	-106.4686	ng/L
Zn-Precon	68	151	33			-118.219333	-109.3946	ng/L
Cd-Precon	111	4	0			-3.857489	-0.4229	ng/L
Cd-Precon	114	12	1			-10.828192	-5.4603	ng/L
Pb-Precon	208	1281	15			-1266.132895	-14.9813	ng/L
Tb-Precon	159	12	2			-9.742006		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Monday, December 24, 2012 01:15:02

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.329

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	3			-312.580320	-6.2063	ng/L
Fe-Precon	54	133	11			-122.647826	-31.6447	ng/L
Fe-Precon	56	2555	171			-2383.574973	-30.3639	ng/L
Fe-Precon	57	80	49			-30.206486	-27.5882	ng/L
Co-Precon	59	33	13			-20.807068	0.1743	ng/L
Ni-Precon	60	27	5			-22.143790	-2.4412	ng/L
Cu-Precon	63	311	34			-276.816962	-5.3715	ng/L
Cu-Precon	65	146	11			-135.013378	-5.2412	ng/L
Zn-Precon	66	221	7			-214.528854	-10.7321	ng/L
Zn-Precon	68	151	26			-124.792519	-11.4925	ng/L
Cd-Precon	111	4	0			-3.734983	-0.0361	ng/L
Cd-Precon	114	12	2			-10.204378	-0.5339	ng/L
Pb-Precon	208	1281	16			-1264.719908	-1.4935	ng/L
Tb-Precon	159	12	1			-11.054561		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245020-16

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Monday, December 24, 2012 01:25:33

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 310

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245020-16.330

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4			-311.569064	-61.8285	ng/L
Fe-Precon	54	133	11			-122.530072	-316.2319	ng/L
Fe-Precon	56	2555	941			-1614.402182	-231.8327	ng/L
Fe-Precon	57	80	318			238.058587	728.4398	ng/L
Co-Precon	59	33	18			-15.345574	2.1291	ng/L
Ni-Precon	60	27	53			25.538157	-3.5210	ng/L
Cu-Precon	63	311	87			-224.203533	-44.2357	ng/L
Cu-Precon	65	146	26			-120.443644	-46.8363	ng/L
Zn-Precon	66	221	11			-209.995514	-104.8131	ng/L
Zn-Precon	68	151	36			-114.298975	-106.0961	ng/L
Cd-Precon	111	4	0			-3.716217	-0.3520	ng/L
Cd-Precon	114	12	2			-9.894871	-5.2785	ng/L
Pb-Precon	208	1281	26			-1254.835881	-14.6111	ng/L
Tb-Precon	159	12	2			-10.022525		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 24, 2012 01:36:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.331

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	2			-313.186382	-6.2204	ng/L
Fe-Precon	54	133	10			-123.378566	-31.7780	ng/L
Fe-Precon	56	2555	148			-2407.277560	-30.5852	ng/L
Fe-Precon	57	80	36			-43.913906	-32.7199	ng/L
Co-Precon	59	33	11			-22.320490	0.1636	ng/L
Ni-Precon	60	27	6			-21.077123	-2.3944	ng/L
Cu-Precon	63	311	35			-276.023894	-5.3572	ng/L
Cu-Precon	65	146	13			-132.980476	-5.1634	ng/L
Zn-Precon	66	221	9			-212.502878	-10.6200	ng/L
Zn-Precon	68	151	26			-124.809836	-11.4940	ng/L
Cd-Precon	111	4	0			-3.790056	-0.0389	ng/L
Cd-Precon	114	12	2			-10.003981	-0.5300	ng/L
Pb-Precon	208	1281	19			-1261.416001	-1.4827	ng/L
Tb-Precon	159	12	2			-10.064085		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-04

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Monday, December 24, 2012 01:46:33

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 311

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245032-04.332

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	72			-242.965613	-45.9021	ng/L
Fe-Precon	54	133	39			-94.166263	-264.4768	ng/L
Fe-Precon	56	2555	820			-1734.796813	-243.0721	ng/L
Fe-Precon	57	80	81			1.059716	-158.8286	ng/L
Co-Precon	59	33	15			-18.365504	1.9155	ng/L
Ni-Precon	60	27	9			-18.268459	-22.7137	ng/L
Cu-Precon	63	311	37			-273.530376	-53.1228	ng/L
Cu-Precon	65	146	16			-130.258389	-50.5923	ng/L
Zn-Precon	66	221	11			-210.764345	-105.2385	ng/L
Zn-Precon	68	151	25			-125.879970	-115.8400	ng/L
Cd-Precon	111	4	1			-3.500175	-0.2436	ng/L
Cd-Precon	114	12	1			-11.079155	-5.5092	ng/L
Pb-Precon	208	1281	17			-1264.075749	-14.9139	ng/L
Tb-Precon	159	12	2			-10.043305		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Monday, December 24, 2012 01:57:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.333

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4			-310.779449	-6.1645	ng/L
Fe-Precon	54	133	10			-122.935265	-31.6971	ng/L
Fe-Precon	56	2555	169			-2386.040277	-30.3869	ng/L
Fe-Precon	57	80	38			-41.659354	-31.8759	ng/L
Co-Precon	59	33	13			-20.536939	0.1762	ng/L
Ni-Precon	60	27	4			-23.120414	-2.4840	ng/L
Cu-Precon	63	311	35			-275.255060	-5.3434	ng/L
Cu-Precon	65	146	15			-131.629823	-5.1117	ng/L
Zn-Precon	66	221	9			-212.076903	-10.5965	ng/L
Zn-Precon	68	151	29			-121.751815	-11.2367	ng/L
Cd-Precon	111	4	0			-3.857422	-0.0423	ng/L
Cd-Precon	114	12	0			-11.281628	-0.5549	ng/L
Pb-Precon	208	1281	20			-1260.917301	-1.4810	ng/L
Tb-Precon	159	12	1			-10.971444		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-08

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Monday, December 24, 2012 02:07:33

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 312

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245032-08.334

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	97			-218.154967	-40.1422	ng/L
Fe-Precon	54	133	175			41.388196	-17.1325	ng/L
Fe-Precon	56	2555	3285			729.672537	-13.0009	ng/L
Fe-Precon	57	80	117			37.484441	-22.4629	ng/L
Co-Precon	59	33	16			-17.136063	2.0025	ng/L
Ni-Precon	60	27	8			-19.238155	-23.1386	ng/L
Cu-Precon	63	311	40			-271.161482	-52.6960	ng/L
Cu-Precon	65	146	14			-132.190864	-51.3318	ng/L
Zn-Precon	66	221	9			-212.890757	-106.4149	ng/L
Zn-Precon	68	151	33			-117.706774	-108.9633	ng/L
Cd-Precon	111	4	2			-2.581820	0.2174	ng/L
Cd-Precon	114	12	2			-9.973256	-5.2938	ng/L
Pb-Precon	208	1281	23			-1257.436765	-14.6964	ng/L
Tb-Precon	159	12	2			-9.340274		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 24, 2012 02:18:04

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.335

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	25			-289.875355	-5.6792	ng/L
Fe-Precon	54	133	26			-107.807909	-28.9369	ng/L
Fe-Precon	56	2555	403			-2151.556101	-28.1979	ng/L
Fe-Precon	57	80	49			-30.705173	-27.7749	ng/L
Co-Precon	59	33	15			-18.258148	0.1923	ng/L
Ni-Precon	60	27	6			-20.893572	-2.3864	ng/L
Cu-Precon	63	311	29			-281.571961	-5.4572	ng/L
Cu-Precon	65	146	14			-132.353633	-5.1394	ng/L
Zn-Precon	66	221	6			-215.013703	-10.7590	ng/L
Zn-Precon	68	151	26			-124.300742	-11.4511	ng/L
Cd-Precon	111	4	0			-3.745557	-0.0367	ng/L
Cd-Precon	114	12	1			-10.604842	-0.5417	ng/L
Pb-Precon	208	1281	21			-1260.276606	-1.4789	ng/L
Tb-Precon	159	12	2			-10.084864		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-09

Sample Description: 10x

Batch ID: B122114

Sample Date/Time: Monday, December 24, 2012 02:28:35

Diluted To Volume (mL): 10.00

Aliquot Volume (mL): 1

Autosampler Position: 313

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\1245032-09.336

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	9589			9274.344346	2163.5568	ng/L
Fe-Precon	54	133	3001			2867.464267	5139.5681	ng/L
Fe-Precon	56	2555	57384			54828.800480	5037.4381	ng/L
Fe-Precon	57	80	1645			1565.730367	5698.9325	ng/L
Co-Precon	59	33	43			9.596624	3.8935	ng/L
Ni-Precon	60	27	224			196.799311	71.5128	ng/L
Cu-Precon	63	311	159			-152.069062	-31.2394	ng/L
Cu-Precon	65	146	74			-71.853991	-28.2417	ng/L
Zn-Precon	66	221	128			-93.845921	-40.5513	ng/L
Zn-Precon	68	151	81			-69.297091	-68.2327	ng/L
Cd-Precon	111	4	1			-3.037839	-0.0115	ng/L
Cd-Precon	114	12	5			-6.915626	-4.6981	ng/L
Pb-Precon	208	1281	576			-705.172555	3.4024	ng/L
Tb-Precon	159	12	11			-0.370531		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 24, 2012 02:39:06

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.337

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	4199			3883.730715	91.2117	ng/L
Fe-Precon	54	133	571			437.505763	70.5658	ng/L
Fe-Precon	56	2555	11089			8534.137350	71.5587	ng/L
Fe-Precon	57	80	319			239.790803	73.4925	ng/L
Co-Precon	59	33	43			9.814803	0.3909	ng/L
Ni-Precon	60	27	105			78.147584	1.9529	ng/L
Cu-Precon	63	311	81			-229.813593	-4.5246	ng/L
Cu-Precon	65	146	50			-96.124683	-3.7530	ng/L
Zn-Precon	66	221	43			-178.604740	-8.7446	ng/L
Zn-Precon	68	151	41			-109.730973	-10.2253	ng/L
Cd-Precon	111	4	1			-2.981286	0.0017	ng/L
Cd-Precon	114	12	4			-8.201374	-0.4949	ng/L
Pb-Precon	208	1281	110			-1170.778555	-1.1856	ng/L
Tb-Precon	159	12	5			-7.019923		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVF

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 24, 2012 02:49:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCVF.338

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	275			-39.635927	0.1301	ng/L
Fe-Precon	54	133	56			-77.071190	-23.3284	ng/L
Fe-Precon	56	2555	982			-1572.951524	-22.7963	ng/L
Fe-Precon	57	80	57			-22.618415	-24.7474	ng/L
Co-Precon	59	33	58			25.137125	0.4993	ng/L
Ni-Precon	60	27	14			-13.118651	-2.0457	ng/L
Cu-Precon	63	311	43			-267.556316	-5.2047	ng/L
Cu-Precon	65	146	20			-126.268771	-4.9066	ng/L
Zn-Precon	66	221	37			-184.045254	-9.0456	ng/L
Zn-Precon	68	151	37			-113.841783	-10.5711	ng/L
Cd-Precon	111	4	6			2.253284	0.2644	ng/L
Cd-Precon	114	12	17			5.016850	-0.2373	ng/L
Pb-Precon	208	1281	90			-1190.961029	-1.2518	ng/L
Tb-Precon	159	12	1			-10.992223		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 24, 2012 03:00:09

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.339

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	100			-215.424131	-3.9508	ng/L
Fe-Precon	54	133	28			-105.009553	-28.4262	ng/L
Fe-Precon	56	2555	577			-1978.121882	-26.5788	ng/L
Fe-Precon	57	80	56			-23.629744	-25.1260	ng/L
Co-Precon	59	33	14			-19.272864	0.1851	ng/L
Ni-Precon	60	27	6			-21.201797	-2.3999	ng/L
Cu-Precon	63	311	46			-264.955440	-5.1578	ng/L
Cu-Precon	65	146	17			-129.745837	-5.0396	ng/L
Zn-Precon	66	221	12			-209.919324	-10.4771	ng/L
Zn-Precon	68	151	31			-119.251369	-11.0263	ng/L
Cd-Precon	111	4	0			-3.792500	-0.0390	ng/L
Cd-Precon	114	12	2			-10.197062	-0.5337	ng/L
Pb-Precon	208	1281	46			-1234.967213	-1.3960	ng/L
Tb-Precon	159	12	1			-11.196553		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBF

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 24, 2012 03:10:41

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 10

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-CCBF.340

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	63			-252.371033	-4.8086	ng/L
Fe-Precon	54	133	15			-117.969028	-30.7909	ng/L
Fe-Precon	56	2555	304			-2251.014849	-29.1264	ng/L
Fe-Precon	57	80	44			-35.460186	-29.5551	ng/L
Co-Precon	59	33	15			-18.459011	0.1909	ng/L
Ni-Precon	60	27	4			-22.912621	-2.4748	ng/L
Cu-Precon	63	311	33			-277.551166	-5.3847	ng/L
Cu-Precon	65	146	17			-129.731986	-5.0391	ng/L
Zn-Precon	66	221	10			-211.231880	-10.5497	ng/L
Zn-Precon	68	151	31			-119.545751	-11.0511	ng/L
Cd-Precon	111	4	0			-3.710494	-0.0349	ng/L
Cd-Precon	114	12	3			-8.929790	-0.5090	ng/L
Pb-Precon	208	1281	27			-1254.136310	-1.4588	ng/L
Tb-Precon	159	12	1			-10.767115		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 24, 2012 03:21:13

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200959.sam

Method File: C:\Elandata\Method\2012\12-12\1200959-0063-ICPMS2-TMU-CCE.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200959\rinse.341

Calibration File: C:\Elandata\System\2012\12-12\1200959.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200959\SEQ-ICB1.021

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	315	59			-256.184232	-4.8971	ng/L
Fe-Precon	54	133	24			-109.407900	-29.2288	ng/L
Fe-Precon	56	2555	451			-2104.200209	-27.7558	ng/L
Fe-Precon	57	80	39			-40.963234	-31.6153	ng/L
Co-Precon	59	33	12			-21.004472	0.1729	ng/L
Ni-Precon	60	27	4			-23.352448	-2.4941	ng/L
Cu-Precon	63	311	33			-277.391866	-5.3819	ng/L
Cu-Precon	65	146	17			-129.236741	-5.0201	ng/L
Zn-Precon	66	221	11			-210.366076	-10.5018	ng/L
Zn-Precon	68	151	26			-124.581261	-11.4747	ng/L
Cd-Precon	111	4	0			-3.789597	-0.0389	ng/L
Cd-Precon	114	12	3			-8.838544	-0.5073	ng/L
Pb-Precon	208	1281	27			-1253.970056	-1.4583	ng/L
Tb-Precon	159	12	1			-10.306509		mg/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
V-Precon	51	
Fe-Precon	54	
Fe-Precon	56	
Fe-Precon	57	
Co-Precon	59	
Ni-Precon	60	
Cu-Precon	63	
Cu-Precon	65	
Zn-Precon	66	
Zn-Precon	68	
Cd-Precon	111	
Cd-Precon	114	
Pb-Precon	208	
Tb-Precon	159	

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200911

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200911-ICB1	1200911	QC	1		-			
1200911-CAL1	1200911	QC	2	1240051	-			
1200911-CAL2	1200911	QC	3	1240050	-			
1200911-CAL3	1200911	QC	4	1240049	-			
1200911-CAL4	1200911	QC	5	1240048	-			
1200911-CAL5	1200911	QC	6	1240047	-			
1200911-CAL6	1200911	QC	7	1240046	-			
1200911-CAL7	1200911	QC	8	1240045	-			
1200911-CAL8	1200911	QC	9	1240044	-			
1200911-ICB2	1200911	QC	10		-			
1200911-ICV1	1200911	QC	11	1244005	-			
1200911-ICB3	1200911	QC	12		-			
1200911-IBL1	1200911	QC	13		-			
1200911-IBL2	1200911	QC	14		-			
1200911-IBL3	1200911	QC	15		-			
1200911-IBL4	1200911	QC	16		-			
1200911-SCV1	1200911	QC	17	1215030	-			
1200911-CCV1	1200911	QC	18	1240048	-			
1200911-CCB1	1200911	QC	19		-			
B122317-BLK1	B122317	QC	20		-			
B122317-BLK2	B122317	QC	21		-			
B122317-BLK3	B122317	QC	22		-			
B122317-BLK4	B122317	QC	23		-			
B122317-BS1	B122317	QC	24		-			
B122317-SRM1	B122317	QC	25		-			
0944029-98RE2	B122317	Cr-SW-RP-ICPMS-TR	26			RP SW-LFB	10/23/2009	From B122288 by TMU on 12/08/12

ANALYSIS SEQUENCE

BRL Report 1245005

1200911

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
0944029-98RE2	B122317	Cr-SW-RP-ICPMS-NoMB-TR	27			RP SW-LFB	10/23/2009	From B122288 by TMU on 12/08/12
0944029-98RE2	B122317	As-SW-RP-ICPMS-TR	28			RP SW-LFB	10/23/2009	From B122288 by TMU on 12/08/12
0944029-98RE2	B122317	As-SW-RP-ICPMS-NoMB-TR	29			RP SW-LFB	10/23/2009	From B122288 by TMU on 12/08/12
0944029-98RE2	B122317	Ag-SW-RP-ICPMS-TR	30			RP SW-LFB	10/23/2009	From B122288 by TMU on 12/08/12
0944029-98RE2	B122317	Ag-SW-RP-ICPMS-NoMB-TR	31			RP SW-LFB	10/23/2009	From B122288 by TMU on 12/08/12
B122317-MS4	B122317	QC	32		0944029-98RE2			
1246033-05RE2	B122317	Cr-SW-RP-ICPMS-TR	33			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-05RE2	B122317	Cr-SW-RP-ICPMS-NoMB-TR	34			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-05RE2	B122317	As-SW-RP-ICPMS-TR	35			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-05RE2	B122317	As-SW-RP-ICPMS-NoMB-TR	36			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-01RE2	B122317	Cr-SW-RP-ICPMS-TR	37			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-01RE2	B122317	Cr-SW-RP-ICPMS-NoMB-TR	38			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-01RE2	B122317	As-SW-RP-ICPMS-TR	39			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-01RE2	B122317	As-SW-RP-ICPMS-NoMB-TR	40			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-01RE2	B122317	Ag-SW-RP-ICPMS-TR	41			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-01RE2	B122317	Ag-SW-RP-ICPMS-NoMB-TR	42			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1200911-CCV2	1200911	QC	43	1240048	-			
1200911-CCB2	1200911	QC	44		-			
B122317-DUP1	B122317	QC	45		1246033-01RE2			
B122317-MS1	B122317	QC	46		1246033-01RE2			
1246033-02RE2	B122317	Cr-SW-RP-ICPMS-TR	47			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-02RE2	B122317	Cr-SW-RP-ICPMS-NoMB-TR	48			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-02RE2	B122317	As-SW-RP-ICPMS-TR	49			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-02RE2	B122317	As-SW-RP-ICPMS-NoMB-TR	50			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-03RE2	B122317	Cr-SW-RP-ICPMS-TR	51			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-03RE2	B122317	Cr-SW-RP-ICPMS-NoMB-TR	52			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12

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BRL Report 1245005

Brooks Rand Labs

1200911

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1246033-03RE2	B122317	As-SW-RP-ICPMS-TR	53			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-03RE2	B122317	As-SW-RP-ICPMS-NoMB-TR	54			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-04RE2	B122317	Cr-SW-RP-ICPMS-TR	55			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-04RE2	B122317	Cr-SW-RP-ICPMS-NoMB-TR	56			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-04RE2	B122317	As-SW-RP-ICPMS-TR	57			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-04RE2	B122317	As-SW-RP-ICPMS-NoMB-TR	58			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-06RE2	B122317	Cr-SW-RP-ICPMS-TR	59			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-06RE2	B122317	Cr-SW-RP-ICPMS-NoMB-TR	60			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-06RE2	B122317	As-SW-RP-ICPMS-TR	61			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-06RE2	B122317	As-SW-RP-ICPMS-NoMB-TR	62			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-07RE2	B122317	Cr-SW-RP-ICPMS-TR	63			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-07RE2	B122317	Cr-SW-RP-ICPMS-NoMB-TR	64			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-07RE2	B122317	As-SW-RP-ICPMS-TR	65			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-07RE2	B122317	As-SW-RP-ICPMS-NoMB-TR	66			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-61RE2	B122317	Cr-SW-RP-ICPMS-TR	67			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-61RE2	B122317	Cr-SW-RP-ICPMS-NoMB-TR	68			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-61RE2	B122317	As-SW-RP-ICPMS-TR	69			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-61RE2	B122317	As-SW-RP-ICPMS-NoMB-TR	70			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-61RE2	B122317	Ag-SW-RP-ICPMS-TR	71			USA-AB1201	1/1/1980	BatchQC
1246033-61RE2	B122317	Ag-SW-RP-ICPMS-NoMB-TR	72			USA-AB1201	1/1/1980	BatchQC
B122317-DUP2	B122317	QC	73		1246033-61RE2			
B122317-MS2	B122317	QC	74		1246033-61RE2			
1200911-CCV3	1200911	QC	75	1240048	-			
1200911-CCB3	1200911	QC	76		-			
1246033-63RE2	B122317	Cr-SW-RP-ICPMS-TR	77			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-63RE2	B122317	Cr-SW-RP-ICPMS-NoMB-TR	78			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12

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BRL Report 1245005

Brooks Rand Labs

1200911

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1246033-63RE2	B122317	As-SW-RP-ICPMS-TR	79			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-63RE2	B122317	As-SW-RP-ICPMS-NoMB-TR	80			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-64RE2	B122317	Cr-SW-RP-ICPMS-TR	81			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-64RE2	B122317	Cr-SW-RP-ICPMS-NoMB-TR	82			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-64RE2	B122317	As-SW-RP-ICPMS-TR	83			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-64RE2	B122317	As-SW-RP-ICPMS-NoMB-TR	84			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-65RE2	B122317	Cr-SW-RP-ICPMS-TR	85			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-65RE2	B122317	Cr-SW-RP-ICPMS-NoMB-TR	86			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-65RE2	B122317	As-SW-RP-ICPMS-TR	87			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-65RE2	B122317	As-SW-RP-ICPMS-NoMB-TR	88			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-66RE2	B122317	Cr-SW-RP-ICPMS-TR	89			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-66RE2	B122317	Cr-SW-RP-ICPMS-NoMB-TR	90			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-66RE2	B122317	As-SW-RP-ICPMS-TR	91			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-66RE2	B122317	As-SW-RP-ICPMS-NoMB-TR	92			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-67RE2	B122317	Cr-SW-RP-ICPMS-TR	93			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-67RE2	B122317	Cr-SW-RP-ICPMS-NoMB-TR	94			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-67RE2	B122317	As-SW-RP-ICPMS-TR	95			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-67RE2	B122317	As-SW-RP-ICPMS-NoMB-TR	96			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-68RE2	B122317	Cr-SW-RP-ICPMS-TR	97			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-68RE2	B122317	Cr-SW-RP-ICPMS-NoMB-TR	98			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-68RE2	B122317	As-SW-RP-ICPMS-TR	99			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-68RE2	B122317	As-SW-RP-ICPMS-NoMB-TR	100			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-68RE2	B122317	Ag-SW-RP-ICPMS-TR	101			USA-AB1201	1/1/1980	BatchQC
1246033-68RE2	B122317	Ag-SW-RP-ICPMS-NoMB-TR	102			USA-AB1201	1/1/1980	BatchQC
B122317-DUP3	B122317	QC	103		1246033-68RE2			
B122317-MS3	B122317	QC	104		1246033-68RE2			

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BRL Report 1245005

Brooks Rand Labs

1200911

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1246033-62RE2	B122317	Cr-SW-RP-ICPMS-TR	105			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-62RE2	B122317	Cr-SW-RP-ICPMS-NoMB-TR	106			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-62RE2	B122317	As-SW-RP-ICPMS-TR	107			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
1246033-62RE2	B122317	As-SW-RP-ICPMS-NoMB-TR	108			USA-AB1201	11/28/2012	From B122288 by TMU on 12/08/12
B122317-SRM2	B122317	QC	109		-			
1200911-CCV4	1200911	QC	110	1240048	-			
1200911-CCB4	1200911	QC	111		-			
B122317-SRM3	B122317	QC	112		-			
B122317-SRM4	B122317	QC	113		-			
B122318-BLK1	B122318	QC	114		-			
B122318-BLK2	B122318	QC	115		-			
B122318-BLK3	B122318	QC	116		-			
B122318-BLK4	B122318	QC	117		-			
B122318-BS1	B122318	QC	118		-			
B122318-SRM1	B122318	QC	119		-			
0944029-99RE1	B122318	Tl-SW-RP-ICPMS-TR	120			RP SW-LFB	1/1/1980	BatchQC
0944029-99RE1	B122318	Se-SW-RP-ICPMS-TR	121			RP SW-LFB	10/23/2009	From B122120 by TMU on 12/08/12
0944029-99RE1	B122318	Se-SW-RP-ICPMS-NoMB-TR	122			RP SW-LFB	10/23/2009	From B122120 by TMU on 12/08/12
0944029-99RE1	B122318	Cr-SW-RP-ICPMS-TR	123			RP SW-LFB	10/23/2009	From B122120 by TMU on 12/08/12
0944029-99RE1	B122318	Cr-SW-RP-ICPMS-NoMB-TR	124			RP SW-LFB	10/23/2009	From B122120 by TMU on 12/08/12
0944029-99RE1	B122318	Be-SW-RP-ICPMS-TR	125			RP SW-LFB	10/23/2009	From B122120 by TMU on 12/08/12
0944029-99RE1	B122318	Be-SW-RP-ICPMS-NoMB-TR	126			RP SW-LFB	10/23/2009	From B122120 by TMU on 12/08/12
0944029-99RE1	B122318	As-SW-RP-ICPMS-TR	127			RP SW-LFB	10/23/2009	From B122120 by TMU on 12/08/12
0944029-99RE1	B122318	As-SW-RP-ICPMS-NoMB-TR	128			RP SW-LFB	10/23/2009	From B122120 by TMU on 12/08/12
0944029-99RE1	B122318	Ag-SW-RP-ICPMS-TR	129			RP SW-LFB	10/23/2009	From B122120 by TMU on 12/08/12
0944029-99RE1	B122318	Ag-SW-RP-ICPMS-NoMB-TR	130			RP SW-LFB	10/23/2009	From B122120 by TMU on 12/08/12

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BRL Report 1245005

Brooks Rand Labs

1200911

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B122318-MS5	B122318	QC	131		0944029-99RE1			
1200911-CCV5	1200911	QC	132	1240048	-			
1200911-CCB5	1200911	QC	133		-			
1245005-09RE1	B122318	Tl-SW-RP-ICPMS-TR	134			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-09RE1	B122318	Se-SW-RP-ICPMS-TR	135			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-09RE1	B122318	Se-SW-RP-ICPMS-NoMB-TR	136			UDE-SL1201	1/1/1980	BatchQC
1245005-09RE1	B122318	Cr-SW-RP-ICPMS-TR	137			UDE-SL1201	1/1/1980	BatchQC
1245005-09RE1	B122318	Cr-SW-RP-ICPMS-NoMB-TR	138			UDE-SL1201	1/1/1980	BatchQC
1245005-09RE1	B122318	Be-SW-RP-ICPMS-TR	139			UDE-SL1201	1/1/1980	BatchQC
1245005-09RE1	B122318	Be-SW-RP-ICPMS-NoMB-TR	140			UDE-SL1201	1/1/1980	BatchQC
1245005-09RE1	B122318	As-SW-RP-ICPMS-TR	141			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-09RE1	B122318	As-SW-RP-ICPMS-NoMB-TR	142			UDE-SL1201	1/1/1980	BatchQC
1245005-09RE1	B122318	Ag-SW-RP-ICPMS-TR	143			UDE-SL1201	1/1/1980	BatchQC
1245005-09RE1	B122318	Ag-SW-RP-ICPMS-NoMB-TR	144			UDE-SL1201	1/1/1980	BatchQC
B122318-DUP1	B122318	QC	145		1245005-09RE1			
B122318-MS1	B122318	QC	146		1245005-09RE1			
B122318-MSD1	B122318	QC	147		1245005-09RE1			
1245005-10RE1	B122318	Tl-SW-RP-ICPMS-TR	148			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-10RE1	B122318	Se-SW-RP-ICPMS-TR	149			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-10RE1	B122318	As-SW-RP-ICPMS-TR	150			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-11RE1	B122318	Tl-SW-RP-ICPMS-TR	151			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-11RE1	B122318	Se-SW-RP-ICPMS-TR	152			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-11RE1	B122318	As-SW-RP-ICPMS-TR	153			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-12RE1	B122318	Tl-SW-RP-ICPMS-TR	154			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-12RE1	B122318	Se-SW-RP-ICPMS-TR	155			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-12RE1	B122318	As-SW-RP-ICPMS-TR	156			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12

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BRL Report 1245005

Brooks Rand Labs

1200911

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1245005-13RE1	B122318	Tl-SW-RP-ICPMS-TR	157			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-13RE1	B122318	Se-SW-RP-ICPMS-TR	158			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-13RE1	B122318	As-SW-RP-ICPMS-TR	159			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-14RE1	B122318	Tl-SW-RP-ICPMS-TR	160			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-14RE1	B122318	Se-SW-RP-ICPMS-TR	161			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-14RE1	B122318	As-SW-RP-ICPMS-TR	162			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-15RE1	B122318	Tl-SW-RP-ICPMS-TR	163			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-15RE1	B122318	Se-SW-RP-ICPMS-TR	164			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-15RE1	B122318	As-SW-RP-ICPMS-TR	165			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1200911-CCV6	1200911	QC	166	1240048	-			
1200911-CCB6	1200911	QC	167		-			
1245005-16RE1	B122318	Tl-SW-RP-ICPMS-TR	168			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-16RE1	B122318	Se-SW-RP-ICPMS-TR	169			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-16RE1	B122318	As-SW-RP-ICPMS-TR	170			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-17RE1	B122318	Tl-SW-RP-ICPMS-TR	171			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-17RE1	B122318	Se-SW-RP-ICPMS-TR	172			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-17RE1	B122318	As-SW-RP-ICPMS-TR	173			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-18RE1	B122318	Tl-SW-RP-ICPMS-TR	174			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-18RE1	B122318	Se-SW-RP-ICPMS-TR	175			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-18RE1	B122318	As-SW-RP-ICPMS-TR	176			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-19RE1	B122318	Tl-SW-RP-ICPMS-TR	177			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-19RE1	B122318	Se-SW-RP-ICPMS-TR	178			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-19RE1	B122318	Se-SW-RP-ICPMS-NoMB-TR	179			UDE-SL1201	1/1/1980	BatchQC
1245005-19RE1	B122318	Cr-SW-RP-ICPMS-TR	180			UDE-SL1201	1/1/1980	BatchQC
1245005-19RE1	B122318	Cr-SW-RP-ICPMS-NoMB-TR	181			UDE-SL1201	1/1/1980	BatchQC
1245005-19RE1	B122318	Be-SW-RP-ICPMS-TR	182			UDE-SL1201	1/1/1980	BatchQC

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Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1245005-19RE1	B122318	Be-SW-RP-ICPMS-NoMB-TR	183			UDE-SL1201	1/1/1980	BatchQC
1245005-19RE1	B122318	As-SW-RP-ICPMS-TR	184			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-19RE1	B122318	As-SW-RP-ICPMS-NoMB-TR	185			UDE-SL1201	1/1/1980	BatchQC
1245005-19RE1	B122318	Ag-SW-RP-ICPMS-TR	186			UDE-SL1201	1/1/1980	BatchQC
1245005-19RE1	B122318	Ag-SW-RP-ICPMS-NoMB-TR	187			UDE-SL1201	1/1/1980	BatchQC
B122318-DUP2	B122318	QC	188		1245005-19RE1			
B122318-MS2	B122318	QC	189		1245005-19RE1			
B122318-MSD2	B122318	QC	190		1245005-19RE1			
1245005-20RE1	B122318	Tl-SW-RP-ICPMS-TR	191			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-20RE1	B122318	Se-SW-RP-ICPMS-TR	192			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-20RE1	B122318	As-SW-RP-ICPMS-TR	193			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-21RE1	B122318	Tl-SW-RP-ICPMS-TR	194			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-21RE1	B122318	Se-SW-RP-ICPMS-TR	195			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-21RE1	B122318	As-SW-RP-ICPMS-TR	196			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-22RE1	B122318	Tl-SW-RP-ICPMS-TR	197			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-22RE1	B122318	Se-SW-RP-ICPMS-TR	198			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-22RE1	B122318	As-SW-RP-ICPMS-TR	199			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1200911-CCV7	1200911	QC	200	1240047	-			
1200911-CCB7	1200911	QC	201		-			
1245005-23RE1	B122318	Tl-SW-RP-ICPMS-TR	202			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-23RE1	B122318	Se-SW-RP-ICPMS-TR	203			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-23RE1	B122318	As-SW-RP-ICPMS-TR	204			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-24RE1	B122318	Tl-SW-RP-ICPMS-TR	205			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-24RE1	B122318	Se-SW-RP-ICPMS-TR	206			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-24RE1	B122318	As-SW-RP-ICPMS-TR	207			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-25RE1	B122318	Tl-SW-RP-ICPMS-TR	208			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12

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Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1245005-25RE1	B122318	Se-SW-RP-ICPMS-TR	209			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-25RE1	B122318	As-SW-RP-ICPMS-TR	210			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-26RE1	B122318	Tl-SW-RP-ICPMS-TR	211			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-26RE1	B122318	Se-SW-RP-ICPMS-TR	212			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245005-26RE1	B122318	As-SW-RP-ICPMS-TR	213			UDE-SL1201	12/5/2012	From B122120 by TMU on 12/08/12
1245020-03RE1	B122318	Tl-SW-RP-ICPMS-TR	214			UDE-SL1201	12/6/2012	From B122120 by TMU on 12/08/12
1245020-03RE1	B122318	Se-SW-RP-ICPMS-TR	215			UDE-SL1201	12/6/2012	From B122120 by TMU on 12/08/12
1245020-03RE1	B122318	Se-SW-RP-ICPMS-NoMB-TR	216			UDE-SL1201	1/1/1980	BatchQC
1245020-03RE1	B122318	Cr-SW-RP-ICPMS-TR	217			UDE-SL1201	1/1/1980	BatchQC
1245020-03RE1	B122318	Cr-SW-RP-ICPMS-NoMB-TR	218			UDE-SL1201	1/1/1980	BatchQC
1245020-03RE1	B122318	Be-SW-RP-ICPMS-TR	219			UDE-SL1201	1/1/1980	BatchQC
1245020-03RE1	B122318	Be-SW-RP-ICPMS-NoMB-TR	220			UDE-SL1201	1/1/1980	BatchQC
1245020-03RE1	B122318	As-SW-RP-ICPMS-TR	221			UDE-SL1201	12/6/2012	From B122120 by TMU on 12/08/12
1245020-03RE1	B122318	As-SW-RP-ICPMS-NoMB-TR	222			UDE-SL1201	1/1/1980	BatchQC
1245020-03RE1	B122318	Ag-SW-RP-ICPMS-TR	223			UDE-SL1201	1/1/1980	BatchQC
1245020-03RE1	B122318	Ag-SW-RP-ICPMS-NoMB-TR	224			UDE-SL1201	1/1/1980	BatchQC
B122318-DUP3	B122318	QC	225		1245020-03RE1			
B122318-MS3	B122318	QC	226		1245020-03RE1			
B122318-MSD3	B122318	QC	227		1245020-03RE1			
1245020-07RE1	B122318	Tl-SW-RP-ICPMS-TR	228			UDE-SL1201	12/6/2012	From B122120 by TMU on 12/08/12
1245020-07RE1	B122318	Se-SW-RP-ICPMS-TR	229			UDE-SL1201	12/6/2012	From B122120 by TMU on 12/08/12
1245020-07RE1	B122318	As-SW-RP-ICPMS-TR	230			UDE-SL1201	12/6/2012	From B122120 by TMU on 12/08/12
1245020-11RE1	B122318	Tl-SW-RP-ICPMS-TR	231			UDE-SL1201	12/6/2012	From B122120 by TMU on 12/08/12
1245020-11RE1	B122318	Se-SW-RP-ICPMS-TR	232			UDE-SL1201	12/6/2012	From B122120 by TMU on 12/08/12
1245020-11RE1	B122318	As-SW-RP-ICPMS-TR	233			UDE-SL1201	12/6/2012	From B122120 by TMU on 12/08/12
1200911-CCV8	1200911	QC	234	1240047	-			

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1200911

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Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200911-CCB8	1200911	QC	235		-			
1245020-15RE1	B122318	TI-SW-RP-ICPMS-TR	236			UDE-SL1201	12/6/2012	From B122120 by TMU on 12/08/12
1245020-15RE1	B122318	Se-SW-RP-ICPMS-TR	237			UDE-SL1201	12/6/2012	From B122120 by TMU on 12/08/12
1245020-15RE1	B122318	As-SW-RP-ICPMS-TR	238			UDE-SL1201	12/6/2012	From B122120 by TMU on 12/08/12
1247011-03RE1	B122318	TI-SW-RP-ICPMS-TR	239			UDE-SL1201	12/13/2012	From B122120 by TMU on 12/08/12
1247011-03RE1	B122318	Se-SW-RP-ICPMS-TR	240			UDE-SL1201	12/13/2012	From B122120 by TMU on 12/08/12
1247011-03RE1	B122318	As-SW-RP-ICPMS-TR	241			UDE-SL1201	12/13/2012	From B122120 by TMU on 12/08/12
1248034-01RE1	B122318	TI-SW-RP-ICPMS-TR	242			USA-AB1201	1/1/1980	BatchQC
1248034-01RE1	B122318	Se-SW-RP-ICPMS-TR	243			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-01RE1	B122318	Se-SW-RP-ICPMS-NoMB-TR	244			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-01RE1	B122318	Cr-SW-RP-ICPMS-TR	245			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-01RE1	B122318	Cr-SW-RP-ICPMS-NoMB-TR	246			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-01RE1	B122318	Be-SW-RP-ICPMS-TR	247			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-01RE1	B122318	Be-SW-RP-ICPMS-NoMB-TR	248			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-01RE1	B122318	As-SW-RP-ICPMS-TR	249			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-01RE1	B122318	As-SW-RP-ICPMS-NoMB-TR	250			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-01RE1	B122318	Ag-SW-RP-ICPMS-TR	251			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-01RE1	B122318	Ag-SW-RP-ICPMS-NoMB-TR	252			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
B122318-DUP4	B122318	QC	253		1248034-01RE1			
B122318-MS4	B122318	QC	254		1248034-01RE1			
1248034-02RE1	B122318	Se-SW-RP-ICPMS-TR	255			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-02RE1	B122318	Se-SW-RP-ICPMS-NoMB-TR	256			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-02RE1	B122318	Cr-SW-RP-ICPMS-TR	257			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-02RE1	B122318	Cr-SW-RP-ICPMS-NoMB-TR	258			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-02RE1	B122318	Be-SW-RP-ICPMS-TR	259			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-02RE1	B122318	Be-SW-RP-ICPMS-NoMB-TR	260			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12

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Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1248034-02RE1	B122318	As-SW-RP-ICPMS-TR	261			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-02RE1	B122318	As-SW-RP-ICPMS-NoMB-TR	262			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-02RE1	B122318	Ag-SW-RP-ICPMS-TR	263			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-02RE1	B122318	Ag-SW-RP-ICPMS-NoMB-TR	264			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-03RE1	B122318	Se-SW-RP-ICPMS-TR	265			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-03RE1	B122318	Se-SW-RP-ICPMS-NoMB-TR	266			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-03RE1	B122318	Cr-SW-RP-ICPMS-TR	267			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-03RE1	B122318	Cr-SW-RP-ICPMS-NoMB-TR	268			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-03RE1	B122318	Be-SW-RP-ICPMS-TR	269			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-03RE1	B122318	Be-SW-RP-ICPMS-NoMB-TR	270			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-03RE1	B122318	As-SW-RP-ICPMS-TR	271			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-03RE1	B122318	As-SW-RP-ICPMS-NoMB-TR	272			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-03RE1	B122318	Ag-SW-RP-ICPMS-TR	273			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-03RE1	B122318	Ag-SW-RP-ICPMS-NoMB-TR	274			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-04RE1	B122318	Se-SW-RP-ICPMS-TR	275			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-04RE1	B122318	Se-SW-RP-ICPMS-NoMB-TR	276			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-04RE1	B122318	Cr-SW-RP-ICPMS-TR	277			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-04RE1	B122318	Cr-SW-RP-ICPMS-NoMB-TR	278			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-04RE1	B122318	Be-SW-RP-ICPMS-TR	279			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-04RE1	B122318	Be-SW-RP-ICPMS-NoMB-TR	280			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-04RE1	B122318	As-SW-RP-ICPMS-TR	281			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-04RE1	B122318	As-SW-RP-ICPMS-NoMB-TR	282			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-04RE1	B122318	Ag-SW-RP-ICPMS-TR	283			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-04RE1	B122318	Ag-SW-RP-ICPMS-NoMB-TR	284			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-05RE1	B122318	Se-SW-RP-ICPMS-TR	285			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-05RE1	B122318	Se-SW-RP-ICPMS-NoMB-TR	286			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12

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Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1248034-05RE1	B122318	Cr-SW-RP-ICPMS-TR	287			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-05RE1	B122318	Cr-SW-RP-ICPMS-NoMB-TR	288			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-05RE1	B122318	Be-SW-RP-ICPMS-TR	289			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-05RE1	B122318	Be-SW-RP-ICPMS-NoMB-TR	290			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-05RE1	B122318	As-SW-RP-ICPMS-TR	291			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-05RE1	B122318	As-SW-RP-ICPMS-NoMB-TR	292			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-05RE1	B122318	Ag-SW-RP-ICPMS-TR	293			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-05RE1	B122318	Ag-SW-RP-ICPMS-NoMB-TR	294			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-06RE1	B122318	Se-SW-RP-ICPMS-TR	295			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-06RE1	B122318	Se-SW-RP-ICPMS-NoMB-TR	296			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-06RE1	B122318	Cr-SW-RP-ICPMS-TR	297			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-06RE1	B122318	Cr-SW-RP-ICPMS-NoMB-TR	298			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-06RE1	B122318	Be-SW-RP-ICPMS-TR	299			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-06RE1	B122318	Be-SW-RP-ICPMS-NoMB-TR	300			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-06RE1	B122318	As-SW-RP-ICPMS-TR	301			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-06RE1	B122318	As-SW-RP-ICPMS-NoMB-TR	302			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-06RE1	B122318	Ag-SW-RP-ICPMS-TR	303			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-06RE1	B122318	Ag-SW-RP-ICPMS-NoMB-TR	304			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1200911-CCV9	1200911	QC	305	1240047	-			
1200911-CCB9	1200911	QC	306		-			
1248034-07RE1	B122318	Se-SW-RP-ICPMS-TR	307			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-07RE1	B122318	Se-SW-RP-ICPMS-NoMB-TR	308			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-07RE1	B122318	Cr-SW-RP-ICPMS-TR	309			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-07RE1	B122318	Cr-SW-RP-ICPMS-NoMB-TR	310			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-07RE1	B122318	Be-SW-RP-ICPMS-TR	311			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-07RE1	B122318	Be-SW-RP-ICPMS-NoMB-TR	312			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12

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Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1248034-07RE1	B122318	As-SW-RP-ICPMS-TR	313			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-07RE1	B122318	As-SW-RP-ICPMS-NoMB-TR	314			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-07RE1	B122318	Ag-SW-RP-ICPMS-TR	315			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-07RE1	B122318	Ag-SW-RP-ICPMS-NoMB-TR	316			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-08RE1	B122318	Se-SW-RP-ICPMS-TR	317			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-08RE1	B122318	Se-SW-RP-ICPMS-NoMB-TR	318			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-08RE1	B122318	Cr-SW-RP-ICPMS-TR	319			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-08RE1	B122318	Cr-SW-RP-ICPMS-NoMB-TR	320			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-08RE1	B122318	Be-SW-RP-ICPMS-TR	321			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-08RE1	B122318	Be-SW-RP-ICPMS-NoMB-TR	322			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-08RE1	B122318	As-SW-RP-ICPMS-TR	323			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-08RE1	B122318	As-SW-RP-ICPMS-NoMB-TR	324			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-08RE1	B122318	Ag-SW-RP-ICPMS-TR	325			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-08RE1	B122318	Ag-SW-RP-ICPMS-NoMB-TR	326			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-09RE1	B122318	Se-SW-RP-ICPMS-TR	327			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-09RE1	B122318	Se-SW-RP-ICPMS-NoMB-TR	328			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-09RE1	B122318	Cr-SW-RP-ICPMS-TR	329			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-09RE1	B122318	Cr-SW-RP-ICPMS-NoMB-TR	330			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-09RE1	B122318	Be-SW-RP-ICPMS-TR	331			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-09RE1	B122318	Be-SW-RP-ICPMS-NoMB-TR	332			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-09RE1	B122318	As-SW-RP-ICPMS-TR	333			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-09RE1	B122318	As-SW-RP-ICPMS-NoMB-TR	334			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-09RE1	B122318	Ag-SW-RP-ICPMS-TR	335			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
1248034-09RE1	B122318	Ag-SW-RP-ICPMS-NoMB-TR	336			USA-AB1201	12/20/2012	From B122120 by TMU on 12/08/12
B122319-BLK1	B122319	QC	337		-			
B122319-BLK2	B122319	QC	338		-			

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B122319-BLK3	B122319	QC	339		-			
B122319-BLK4	B122319	QC	340		-			
B122319-BS1	B122319	QC	341		-			
B122319-SRM1	B122319	QC	342		-			
1249001-01RE1	B122319	Tl-SW-RP-ICPMS-TR	343			RP SW-LFB	12/26/2012	From B122242 by TMU on 12/08/12
1249001-01RE1	B122319	Tl-SW-RP-ICPMS-Diss	344			RP SW-LFB	1/1/1980	BatchQC
1249001-01RE1	B122319	Se-SW-RP-ICPMS-TR	345			RP SW-LFB	12/26/2012	From B122242 by TMU on 12/08/12
1249001-01RE1	B122319	Se-SW-RP-ICPMS-Diss	346			RP SW-LFB	1/1/1980	BatchQC
1249001-01RE1	B122319	Sb-SW-RP-ICPMS-TR	347			RP SW-LFB	12/26/2012	From B122242 by TMU on 12/08/12
1249001-01RE1	B122319	Sb-SW-RP-ICPMS-Diss	348			RP SW-LFB	1/1/1980	BatchQC
1249001-01RE1	B122319	Cr-SW-RP-ICPMS-TR	349			RP SW-LFB	12/26/2012	From B122242 by TMU on 12/08/12
1249001-01RE1	B122319	Cr-SW-RP-ICPMS-Diss	350			RP SW-LFB	1/1/1980	BatchQC
1249001-01RE1	B122319	Be-SW-RP-ICPMS-TR	351			RP SW-LFB	12/26/2012	From B122242 by TMU on 12/08/12
1249001-01RE1	B122319	Be-SW-RP-ICPMS-Diss	352			RP SW-LFB	1/1/1980	BatchQC
1249001-01RE1	B122319	As-SW-RP-ICPMS-TR	353			RP SW-LFB	12/26/2012	From B122242 by TMU on 12/08/12
1249001-01RE1	B122319	As-SW-RP-ICPMS-Diss	354			RP SW-LFB	1/1/1980	BatchQC
1249001-01RE1	B122319	Ag-SW-RP-ICPMS-TR	355			RP SW-LFB	12/26/2012	From B122242 by TMU on 12/08/12
1249001-01RE1	B122319	Ag-SW-RP-ICPMS-Diss	356			RP SW-LFB	1/1/1980	BatchQC
B122319-MS3	B122319	QC	357		1249001-01RE1			
1248018-01RE1	B122319	Tl-SW-RP-ICPMS-TR	358			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-01RE1	B122319	Se-SW-RP-ICPMS-TR	359			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-01RE1	B122319	Sb-SW-RP-ICPMS-TR	360			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-01RE1	B122319	Cr-SW-RP-ICPMS-TR	361			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-01RE1	B122319	Be-SW-RP-ICPMS-TR	362			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-01RE1	B122319	As-SW-RP-ICPMS-TR	363			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-01RE1	B122319	Ag-SW-RP-ICPMS-TR	364			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12

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1248018-02RE1	B122319	Tl-SW-RP-ICPMS-Diss	365			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-02RE1	B122319	Se-SW-RP-ICPMS-Diss	366			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-02RE1	B122319	Sb-SW-RP-ICPMS-Diss	367			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-02RE1	B122319	Cr-SW-RP-ICPMS-Diss	368			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-02RE1	B122319	Be-SW-RP-ICPMS-Diss	369			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-02RE1	B122319	As-SW-RP-ICPMS-Diss	370			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-02RE1	B122319	Ag-SW-RP-ICPMS-Diss	371			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-03RE1	B122319	Tl-SW-RP-ICPMS-TR	372			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-03RE1	B122319	Se-SW-RP-ICPMS-TR	373			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-03RE1	B122319	Sb-SW-RP-ICPMS-TR	374			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-03RE1	B122319	Cr-SW-RP-ICPMS-TR	375			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-03RE1	B122319	Be-SW-RP-ICPMS-TR	376			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-03RE1	B122319	As-SW-RP-ICPMS-TR	377			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-03RE1	B122319	Ag-SW-RP-ICPMS-TR	378			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-04RE1	B122319	Tl-SW-RP-ICPMS-TR	379			ORN-OR1203	1/1/1980	BatchQC
1248018-04RE1	B122319	Tl-SW-RP-ICPMS-Diss	380			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-04RE1	B122319	Se-SW-RP-ICPMS-TR	381			ORN-OR1203	1/1/1980	BatchQC
1248018-04RE1	B122319	Se-SW-RP-ICPMS-Diss	382			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-04RE1	B122319	Sb-SW-RP-ICPMS-TR	383			ORN-OR1203	1/1/1980	BatchQC
1248018-04RE1	B122319	Sb-SW-RP-ICPMS-Diss	384			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-04RE1	B122319	Cr-SW-RP-ICPMS-TR	385			ORN-OR1203	1/1/1980	BatchQC
1248018-04RE1	B122319	Cr-SW-RP-ICPMS-Diss	386			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-04RE1	B122319	Be-SW-RP-ICPMS-TR	387			ORN-OR1203	1/1/1980	BatchQC
1248018-04RE1	B122319	Be-SW-RP-ICPMS-Diss	388			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-04RE1	B122319	As-SW-RP-ICPMS-TR	389			ORN-OR1203	1/1/1980	BatchQC
1248018-04RE1	B122319	As-SW-RP-ICPMS-Diss	390			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12

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1248018-04RE1	B122319	Ag-SW-RP-ICPMS-TR	391			ORN-OR1203	1/1/1980	BatchQC
1248018-04RE1	B122319	Ag-SW-RP-ICPMS-Diss	392			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
B122319-DUP1	B122319	QC	393		1248018-04RE1			
1200911-CCVA	1200911	QC	394	1240047	-			
1200911-CCBA	1200911	QC	395		-			
B122319-MS1	B122319	QC	396		1248018-04RE1			
B122319-MSD1	B122319	QC	397		1248018-04RE1			
1248018-05RE1	B122319	Tl-SW-RP-ICPMS-TR	398			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-05RE1	B122319	Se-SW-RP-ICPMS-TR	399			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-05RE1	B122319	Sb-SW-RP-ICPMS-TR	400			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-05RE1	B122319	Cr-SW-RP-ICPMS-TR	401			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-05RE1	B122319	Be-SW-RP-ICPMS-TR	402			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-05RE1	B122319	As-SW-RP-ICPMS-TR	403			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-05RE1	B122319	Ag-SW-RP-ICPMS-TR	404			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-06RE1	B122319	Tl-SW-RP-ICPMS-Diss	405			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-06RE1	B122319	Se-SW-RP-ICPMS-Diss	406			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-06RE1	B122319	Sb-SW-RP-ICPMS-Diss	407			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-06RE1	B122319	Cr-SW-RP-ICPMS-Diss	408			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-06RE1	B122319	Be-SW-RP-ICPMS-Diss	409			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-06RE1	B122319	As-SW-RP-ICPMS-Diss	410			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-06RE1	B122319	Ag-SW-RP-ICPMS-Diss	411			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-07RE1	B122319	Tl-SW-RP-ICPMS-TR	412			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-07RE1	B122319	Tl-SW-RP-ICPMS-Diss	413			ORN-OR1203	1/1/1980	BatchQC
1248018-07RE1	B122319	Se-SW-RP-ICPMS-TR	414			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-07RE1	B122319	Se-SW-RP-ICPMS-Diss	415			ORN-OR1203	1/1/1980	BatchQC
1248018-07RE1	B122319	Sb-SW-RP-ICPMS-TR	416			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12

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1248018-07RE1	B122319	Sb-SW-RP-ICPMS-Diss	417			ORN-OR1203	1/1/1980	BatchQC
1248018-07RE1	B122319	Cr-SW-RP-ICPMS-TR	418			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-07RE1	B122319	Cr-SW-RP-ICPMS-Diss	419			ORN-OR1203	1/1/1980	BatchQC
1248018-07RE1	B122319	Be-SW-RP-ICPMS-TR	420			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-07RE1	B122319	Be-SW-RP-ICPMS-Diss	421			ORN-OR1203	1/1/1980	BatchQC
1248018-07RE1	B122319	As-SW-RP-ICPMS-TR	422			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-07RE1	B122319	As-SW-RP-ICPMS-Diss	423			ORN-OR1203	1/1/1980	BatchQC
1248018-07RE1	B122319	Ag-SW-RP-ICPMS-TR	424			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-07RE1	B122319	Ag-SW-RP-ICPMS-Diss	425			ORN-OR1203	1/1/1980	BatchQC
B122319-DUP2	B122319	QC	426		1248018-07RE1			
B122319-MS2	B122319	QC	427		1248018-07RE1			
B122319-MSD2	B122319	QC	428		1248018-07RE1			
1248018-08RE1	B122319	Tl-SW-RP-ICPMS-Diss	429			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-08RE1	B122319	Se-SW-RP-ICPMS-Diss	430			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-08RE1	B122319	Sb-SW-RP-ICPMS-Diss	431			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-08RE1	B122319	Cr-SW-RP-ICPMS-Diss	432			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-08RE1	B122319	Be-SW-RP-ICPMS-Diss	433			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-08RE1	B122319	As-SW-RP-ICPMS-Diss	434			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-08RE1	B122319	Ag-SW-RP-ICPMS-Diss	435			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-09RE1	B122319	Tl-SW-RP-ICPMS-TR	436			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-09RE1	B122319	Se-SW-RP-ICPMS-TR	437			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-09RE1	B122319	Sb-SW-RP-ICPMS-TR	438			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-09RE1	B122319	Cr-SW-RP-ICPMS-TR	439			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-09RE1	B122319	Be-SW-RP-ICPMS-TR	440			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-09RE1	B122319	As-SW-RP-ICPMS-TR	441			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-09RE1	B122319	Ag-SW-RP-ICPMS-TR	442			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12

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1200911-CCVB	1200911	QC	443	1240047	-			
1200911-CCBB	1200911	QC	444		-			
1248018-10RE1	B122319	Tl-SW-RP-ICPMS-Diss	445			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-10RE1	B122319	Se-SW-RP-ICPMS-Diss	446			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-10RE1	B122319	Sb-SW-RP-ICPMS-Diss	447			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-10RE1	B122319	Cr-SW-RP-ICPMS-Diss	448			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-10RE1	B122319	Be-SW-RP-ICPMS-Diss	449			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-10RE1	B122319	As-SW-RP-ICPMS-Diss	450			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-10RE1	B122319	Ag-SW-RP-ICPMS-Diss	451			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-11RE1	B122319	Tl-SW-RP-ICPMS-TR	452			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-11RE1	B122319	Se-SW-RP-ICPMS-TR	453			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-11RE1	B122319	Sb-SW-RP-ICPMS-TR	454			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-11RE1	B122319	Cr-SW-RP-ICPMS-TR	455			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-11RE1	B122319	Be-SW-RP-ICPMS-TR	456			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-11RE1	B122319	As-SW-RP-ICPMS-TR	457			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-11RE1	B122319	Ag-SW-RP-ICPMS-TR	458			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-12RE1	B122319	Tl-SW-RP-ICPMS-Diss	459			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-12RE1	B122319	Se-SW-RP-ICPMS-Diss	460			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-12RE1	B122319	Sb-SW-RP-ICPMS-Diss	461			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-12RE1	B122319	Cr-SW-RP-ICPMS-Diss	462			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-12RE1	B122319	Be-SW-RP-ICPMS-Diss	463			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-12RE1	B122319	As-SW-RP-ICPMS-Diss	464			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
1248018-12RE1	B122319	Ag-SW-RP-ICPMS-Diss	465			ORN-OR1203	12/19/2012	From B122242 by TMU on 12/08/12
B122316-BLK1	B122316	QC	466		-			
B122316-BLK2	B122316	QC	467		-			
B122316-BLK3	B122316	QC	468		-			

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Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B122316-BLK4	B122316	QC	469		-			
B122316-BS1	B122316	QC	470		-			
B122316-SRM1	B122316	QC	471		-			
B122316-SRM2	B122316	QC	472		-			
1200911-CCVC	1200911	QC	473	1240047	-			
1200911-CCBC	1200911	QC	474		-			
1246025-04RE1	B122316	Tl-B-HNO3-ICPMS	475			DBE-RK1102	1/1/1980	BatchQC
1246025-04RE1	B122316	Pb-B-HNO3-ICPMS	476			DBE-RK1102	12/10/2012	From B122119 by TMU on 12/08/12
1246025-04RE1	B122316	Cu-B-HNO3-ICPMS	477			DBE-RK1102	12/10/2012	From B122119 by TMU on 12/08/12
1246025-04RE1	B122316	Cd-B-HNO3-ICPMS	478			DBE-RK1102	12/10/2012	From B122119 by TMU on 12/08/12
B122316-DUP1	B122316	QC	479		1246025-04RE1			
B122316-MS1	B122316	QC	480		1246025-04RE1			
B122316-MSD1	B122316	QC	481		1246025-04RE1			
1246025-05RE1	B122316	Pb-B-HNO3-ICPMS	482			DBE-RK1102	12/10/2012	From B122119 by TMU on 12/08/12
1246025-05RE1	B122316	Cu-B-HNO3-ICPMS	483			DBE-RK1102	12/10/2012	From B122119 by TMU on 12/08/12
1246025-05RE1	B122316	Cd-B-HNO3-ICPMS	484			DBE-RK1102	12/10/2012	From B122119 by TMU on 12/08/12
1246025-06RE1	B122316	Pb-B-HNO3-ICPMS	485			DBE-RK1102	12/10/2012	From B122119 by TMU on 12/08/12
1246025-06RE1	B122316	Cu-B-HNO3-ICPMS	486			DBE-RK1102	12/10/2012	From B122119 by TMU on 12/08/12
1246025-06RE1	B122316	Cd-B-HNO3-ICPMS	487			DBE-RK1102	12/10/2012	From B122119 by TMU on 12/08/12
1245005-01RE1	B122316	Tl-B-HNO3-ICPMS	488			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-01RE1	B122316	Pb-B-HNO3-ICPMS	489			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-01RE1	B122316	Cu-B-HNO3-ICPMS	490			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-01RE1	B122316	Cd-B-HNO3-ICPMS	491			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
B122316-DUP2	B122316	QC	492		1245005-01RE1			
B122316-MS2	B122316	QC	493		1245005-01RE1			
B122316-MSD2	B122316	QC	494		1245005-01RE1			

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200911

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200911-CCVD	1200911	QC	495	1240047	-			
1200911-CCBD	1200911	QC	496		-			
1245005-02RE1	B122316	Tl-B-HNO3-ICPMS	497			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-02RE1	B122316	Pb-B-HNO3-ICPMS	498			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-02RE1	B122316	Cu-B-HNO3-ICPMS	499			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-02RE1	B122316	Cd-B-HNO3-ICPMS	500			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-03RE1	B122316	Tl-B-HNO3-ICPMS	501			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-03RE1	B122316	Pb-B-HNO3-ICPMS	502			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-03RE1	B122316	Cu-B-HNO3-ICPMS	503			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-03RE1	B122316	Cd-B-HNO3-ICPMS	504			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-04RE1	B122316	Tl-B-HNO3-ICPMS	505			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-04RE1	B122316	Pb-B-HNO3-ICPMS	506			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-04RE1	B122316	Cu-B-HNO3-ICPMS	507			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-04RE1	B122316	Cd-B-HNO3-ICPMS	508			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-05RE1	B122316	Tl-B-HNO3-ICPMS	509			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-05RE1	B122316	Pb-B-HNO3-ICPMS	510			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-05RE1	B122316	Cu-B-HNO3-ICPMS	511			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-05RE1	B122316	Cd-B-HNO3-ICPMS	512			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-06RE1	B122316	Tl-B-HNO3-ICPMS	513			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-06RE1	B122316	Pb-B-HNO3-ICPMS	514			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-06RE1	B122316	Cu-B-HNO3-ICPMS	515			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-06RE1	B122316	Cd-B-HNO3-ICPMS	516			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-07RE1	B122316	Tl-B-HNO3-ICPMS	517			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-07RE1	B122316	Pb-B-HNO3-ICPMS	518			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-07RE1	B122316	Cu-B-HNO3-ICPMS	519			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-07RE1	B122316	Cd-B-HNO3-ICPMS	520			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200911

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1245005-08RE1	B122316	Cd-B-HNO3-ICPMS	521			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-08RE1	B122316	Tl-B-HNO3-ICPMS	522			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-08RE1	B122316	Pb-B-HNO3-ICPMS	523			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1245005-08RE1	B122316	Cu-B-HNO3-ICPMS	524			UDE-SL1201	12/5/2012	From B122119 by TMU on 12/08/12
1200911-CCVE	1200911	QC	525	1240047	-			
1200911-CCBE	1200911	QC	526		-			

ICP-MS Analysis Benchsheet

Batch No: B122317-2316-2319-2318**BR-0060 standard / DRC mode (circle one)**

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

Analyst: TMU Date: 12/8/2012Instrument ID: ICPMS2 cHNO3 ID: 1237095 cHCl ID: 1050160

Sequence diluents 5% HNO3- 1%HCl

Calibration recorded in LIMS

Int Std: 1249008 SEQ: 1200911

A/S #	Batch	Sample ID	Dilution	Comments
1		warm up		
1		warm up		
1		warm up		
1		SEQ-ICB1		
2		SEQ-CAL1		1240051 <i>see below/Cal out TMU 12/16/12</i>
3		SEQ-CAL2		1240050
4		SEQ-CAL3		1240049
5		SEQ-CAL4		1240048
6		SEQ-CAL5		1240047
7		SEQ-CAL6		1240046
8		SEQ-CAL7		1240045
9		SEQ-CAL8		1240044
1		SEQ-ICB2		
10		SEQ-ICV1		1244005
1		SEQ-ICB3		
101		SEQ-IBL1		
102		SEQ-IBL2		
103		SEQ-IBL3		
104		SEQ-IBL4		
105		SEQ-SCV1	5x	NIST 1643e 1202032-1215030
5		SEQ-CCV1		1240048
1		SEQ-CCB1		
125	B122317	B122317-BLK1	5x	
126	B122317	B122317-BLK2	5x	
127	B122317	B122317-BLK3	5x	
128	B122317	B122317-BLK4	5x	
129	B122317	B122317-BS1	5x	
130	B122317	B122317-SRM1	5x	
131	B122317	0944029-98RE2	5x	
132	B122317	B122317-MS4	5x	
133	B122317	1246033-05RE2	5x	
134	B122317	1246033-01RE2	5x	
5		SEQ-CCV2		1240048
1		SEQ-CCB2		
135	B122317	B122317-DUP1	5x	
136	B122317	B122317-MS1	5x	
137	B122317	1246033-02RE2	5x	
138	B122317	1246033-03RE2	5x	
139	B122317	1246033-04RE2	5x	

140	B122317	1246033-06RE2	5x	
141	B122317	1246033-07RE2	5x	
142	B122317	1246033-61RE2	5x	
143	B122317	B122317-DUP2	5x	
144	B122317	B122317-MS2	5x	
5		SEQ-CCV3		1240048
1		SEQ-CCB3		
145	B122317	1246033-63RE2	5x	
146	B122317	1246033-64RE2	5x	
147	B122317	1246033-65RE2	5x	
148	B122317	1246033-66RE2	5x	
149	B122317	1246033-67RE2	5x	
150	B122317	1246033-68RE2	5x	
151	B122317	B122317-DUP3	5x	
152	B122317	B122317-MS3	5x	
153	B122317	1246033-62RE2	5x	
154	B122317	B122317-SRM2	5x	
5		SEQ-CCV4		1240048
1		SEQ-CCB4		
155	B122317	B122317-SRM3	5x	
156	B122317	B122317-SRM4	5x	
157	B122318	B122318-BLK1	5x	
158	B122318	B122318-BLK2	5x	
159	B122318	B122318-BLK3	5x	
160	B122318	B122318-BLK4	5x	
201	B122318	B122318-BS1	5x	
202	B122318	B122318-SRM1	5x	
203	B122318	0944029-99	5x	Upload as 1249001-01 in B122242
204	B122318	B122318-MS5	5x	
5		SEQ-CCV5		1240048
1		SEQ-CCB5		
205	B122318	1245005-09RE1	5x	
206	B122318	B122318-DUP1	5x	
207	B122318	B122318-MS1	5x	
208	B122318	B122318-MSD1	5x	
209	B122318	1245005-10RE1	5x	
210	B122318	1245005-11RE1	5x	
211	B122318	1245005-12RE1	5x	
212	B122318	1245005-13RE1	5x	
213	B122318	1245005-14RE1	5x	
214	B122318	1245005-15RE1	5x	
5		SEQ-CCV6		1240048
1		SEQ-CCB6		
215	B122318	1245005-16RE1	5x	
216	B122318	1245005-17RE1	5x	
217	B122318	1245005-18RE1	5x	
218	B122318	1245005-19RE1	5x	
219	B122318	B122318-DUP2	5x	
220	B122318	B122318-MS2	5x	
221	B122318	B122318-MSD2	5x	
222	B122318	1245005-20RE1	5x	
223	B122318	1245005-21RE1	5x	

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B122319

224	B122318	1245005-22RE1	5x	
6		SEQ-CCV7		1240047
1		SEQ-CCB7		
225	B122318	1245005-23RE1	5x	
226	B122318	1245005-24RE1	5x	
227	B122318	1245005-25RE1	5x	
228	B122318	1245005-26RE1	5x	
229	B122318	1245020-03RE1	5x	
230	B122318	B122318-DUP3	5x	
231	B122318	B122318-MS3	5x	
232	B122318	B122318-MSD3	5x	
233	B122318	1245020-07 RE1	5x	
234	B122318	1245020-11 RE1	5x	
6		SEQ-CCV8		1240047
1		SEQ-CCB8		
235	B122318	1245020-15RE1	5x	
236	B122318	1247011-03RE1	5x	
237	B122318	1248034-01RE1	5x	
238	B122318	B122318-DUP4	5x	
239	B122318	B122318-MS4	5x	
240	B122318	1248034-02RE1	5x	
241	B122318	1248034-03RE1	5x	
242	B122318	1248034-04RE1	5x	
243	B122318	1248034-05RE1	5x	
244	B122318	1248034-06RE1	5x	
6		SEQ-CCV9		1240047
1		SEQ-CCB9		
245	B122318	1248034-07RE1	5x	
246	B122318	1248034-08RE1	5x	
247	B122318	1248034-09RE1	5x	
248	B122319	B122319-BS1	5x	BLKs, native, SRM shared w/B122120
249	B122319	B122319-MS3	5x	
250	B122319	1248018-01RE1	5x	
251	B122319	1248018-02RE1	5x	
252	B122319	1248018-03RE1	5x	
253	B122319	1248018-04RE1	5x	
254	B122319	B122319-DUP1	5x	
6		SEQ-CCVA		1240047
1		SEQ-CCBA		
255	B122319	B122319-MS1	5x	
256	B122319	B122319-MSD1	5x	
257	B122319	1248018-05RE1	5x	
258	B122319	1248018-06RE1	5x	
259	B122319	1248018-07RE1	5x	
260	B122319	B122319-DUP2	5x	
315	B122319	B122319-MS2	5x	
316	B122319	B122319-MSD2	5x	
317	B122319	1248018-08RE1	5x	
318	B122319	1248018-09RE1	5x	
6		SEQ-CCVB		1240047
1		SEQ-CCBB		
319	B122319	1248018-10RE1	5x	

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B122318

320	B122319	1248018-11RE1	5x	
321	B122319	1248018-12RE1	5x	
322	B122316	B122316-BLK1	10x	
323	B122316	B122316-BLK2	10x	
324	B122316	B122316-BLK3	10x	
325	B122316	B122316-BLK4	10x	
326	B122316	B122316-BS1	10x	
327	B122316	B122316-SRM1	10x	
328	B122316	B122316-SRM2	10x	
6		SEQ-CCVC		1240047
1		SEQ-CCBC		
329	B122316	1246025-04RE1	10x	
330	B122316	B122316-DUP1	10x	
331	B122316	B122316-MS1	10x	
332	B122316	B122316-MSD1	10x	
333	B122316	1246025-05RE1	10x	
334	B122316	1246025-06RE1	10x	
335	B122316	1245005-01RE1	10x	
336	B122316	B122316-DUP2	10x	
337	B122316	B122316-MS2	10x	
338	B122316	B122316-MSD2	10x	
6		SEQ-CCVD		1240047
1		SEQ-CCBD		
339	B122316	1245005-02RE1	10x	
340	B122316	1245005-03RE1	10x	
341	B122316	1245005-04RE1	10x	
342	B122316	1245005-05RE1	10x	
343	B122316	1245005-06RE1	10x	
344	B122316	1245005-07RE1	10x	
345	B122316	1245005-08RE1	10x	
6		SEQ-CCVE		1240047
1		SEQ-CCBE		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		

**Trace Metals Method BR-0066 Rev_002_ (ICP-MS)
Sea Water Sample Preparation by Reductive Co-Precipitation**

Batch #(s): B122120, 2242

Page 1 of 2

Balance ID: BL-02

Preparation Date and Time*: 12/2/12 1700

Filtration Date: 12/4/12

Date and Time of Finished Preparation: 1900 12/4/12

Filtered By: CUE

Prepared By: CUE

* Time is when the first reagents are added.

#	Sample ID	Sample Volume (mL)†
1	BLK1	200.57
2	BLK2	200.62
3	BLK3	200.75
4	BLK4	200.81
5	B122120 BS1	200.67
6	SRM1 (SLEW-3)	200.20
7	0944029-99 / 1249001 / -01	200.39
8	B122120 MS5	200.20
9	1245005-09	40.20 / 200.04
10	B122120 DUP1	40.43 / 200.06
11	B122120 MS1	40.42 / 200.35
12	B122120 MSD1	40.70 / 200.49
13	1245005-10	40.33 / 200.25
14	1245005-11	40.58 / 200.22
15	1245005-12	40.44 / 200.70
16	1245005-13	40.91 / 200.21

#	Sample ID	Sample Volume (mL)†
17	1245005-14	40.06 / 200.01
18	1245005-15	40.34 / 200.37
19	1245005-16	40.21 / 200.24
20	1245005-17	40.92 / 200.18
21	1245005-18	40.07 / 200.98
22	1245005-19	40.11 / 200.16
23	B122120 DUP2	40.78 / 200.76
24	B122120 MS2	40.62 / 200.05
25	B122120 MSD2	40.37 / 200.15
26	1245005-20	40.66 / 200.18
27	1245005-21	40.66 / 200.11
28	1245005-22	40.85 / 200.30
29	1245005-23	40.52 / 200.95
30	1245005-24	40.68 / 200.62
31	1245005-25	40.61 / 200.38
32	1245005-26	40.06 / 200.44

† Sample vol. recorded in LIMS with three significant figures.

Sample ID	Spike ID	Vol. Added (mL)	Analyte/Concentration
B122120 BS1, MS1-5, MSD1-2	1249001	0.1	B122120 USA/UDE spike mix
	1240035	0.05	Ag 2 ppm
B122242 BS1, MS1-3, MSD1-2	1249002	0.1	B122242 UCOR spike mix
	1240035	0.05	Ag 2 ppm
	1237005	0.3	Sb 1 ppm

Spike Witness Initials/Date:

N/A

Bottle Lot: 12-192 SRM-Matrix-ID: SPM1-SLEW3-1238007 HNO₃ ID: 1237104

NaBH₄ ID: 1231009 NH₄OH ID: 1246029 Filter Lot #: 332936

H₂O₂ ID: 1217017 Fe/Pd/La/Te ID: 1243001 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: HB-01: C:120°C then C:120°C M:120°C 1630/1635 then M:120°C 1725/1730 then C:150°C 1925/1940

Thermometer ID: TM-02

* Both measured and corrected temperatures must be recorded.

Comments: Full QC sets not performed for B122120 QC set 4 in order to conserve sample for future re-preps.

* Samples prepped at 5x dilution, as per project notes. †: prepped @ 10x diln, as per PM.

Samples prepped at a dilution brought up to 200mL w/ 0.2% H₂O₂.
 O: New work order created for Native SW (numbers reached LIMS capacity).
 0944029-99 used in B122120, 1249001-01 used in B122242.

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

**Trace Metals Method BR-0066 Rev_002_ (ICP-MS)
Sea Water Sample Preparation by Reductive Co-Precipitation**

Batch #(s): B122120, 2242

Balance ID: BLDZ

Filtration Date: 12/4/12

Preparation Date / Time*: 12/2/12

Filtered By: CFE

Prepared By: CFE

* Time is when the first reagents are added.

#	Sample ID	Sample Volume (mL)
* 33	1245020-03	40.01/200.11
* 34	B122120 DUP3	40.06/200.69
* 35	B122120 MS3	40.68/200.00
* 36	B122120 MSD3	40.02/200.03
* 37	1245020-07	40.23/200.27
* 38	1245020-11	40.74/200.72
* 39	1245020-15	40.22/200.99
* 40	1247011-03	40.59/200.71
0 41	1248034-01	200.76
42	B122120 DUP4	200.45
43	B122120 MS4	200.66
44	1248034-02	200.73
45	1248034-03	200.23
46	1248034-04	200.10
47	1248034-05	200.61
48	1248034-06	200.55
49	1248034-07	200.15
50	1248034-08	200.58
51	1248034-09	200.72
52	B122242 BS1	200.59
+ 53	B122242 MS3	20.06/200.20
+ 54	1248018-01	20.00/200.35
55	1248018-02	20.21/200.35

#	Sample ID	Sample Volume (mL)
56	1248018-03	20.05/200.01
57	1248018-04	20.41/200.60
58	B122242 DUP1	20.30/200.80
59	B122242 MS1	20.42/200.39
60	B122242 MSD1	20.19/200.14
61	1248018-05	20.30/200.10
62	1248018-06	20.24/200.06
63	1248018-07	20.02/200.03
64	B222242 DUP2	20.66/200.08
65	B222242 MS2	20.41/200.20
66	B222242 MSD2	20.29/200.89
67	1248018-08	20.33/200.31
68	1248018-09	20.23/200.15
69	1248018-10	20.52/200.99
70	1248018-11	20.81/200.06
71	1248018-12	20.41/200.10
72		
73		
74		
75		
76		
77		
78		

~~* BS1, MS3 potentially spiked w/ 0.6 mL Sb 1ppm.~~
c: 12/2/12

* samples digested on HB-01. Therm. ID: TM-03.

Digestion temp/time: c: 120°C / 1745 then M: 120°C / 1800/1805 then M: 150°C / 1814 / 1901

O: Filter lot: 320261

B122120, 2242
RP

B122120
USA/UDE

Samples spiked: BSI, MS1-S, MSD1-3

Element	Conc. (µg/L)	spike conc w/ 0.1mL spike vol and 200mL sample	mL from stock into 10mL tube	ppm	LIMS ID
As	10.000	20.000	0.2000	1000	1148020
Be	0.250	0.500	0.5000	10	1240023
Cd	0.120	0.240	0.2400	10	1240025
Cr	5.000	10.000	0.1000	1000	1226011
Cu	1.200	2.400	0.2400	100	1227010
Ni	1.400	2.800	0.2800	100	1240028
Pb	0.130	0.260	0.2600	10	1227019
Se	2.500	5.000	0.5000	100	1245008
Tl	0.100	0.200	0.2000	10	1240031
Zn	7.500	15.000	0.1500	1000	1226028

Spike mix ID:
1249001

Add 7.33mL 2% HNO3

Element	Conc. (µg/L)	vol to spike directly to 200mL sample	ppm	LIMS ID
Ag	0.500	0.0500	2	1240035

B122242

UCOR - Reviewed. ml 11.30.12

Samples spiked: MS1-3, BSI, MSD1-2

Element	Conc. (µg/L)	spike conc w/ 0.1mL spike vol and 20mL sample (mL)	mL from stock into 10mL tube	ppm	LIMS ID
As	25.000	5.000	0.0500	1000	1148020
Be	5.000	1.000	0.1000	100	1240022
Cr	25.000	5.000	0.0500	1000	1226011
Se	30.000	6.000	0.0600	1000	1148021
Tl	5.000	1.000	0.1000	100	1240030

Spike mix ID:
1249002

Add 9.64mL 2% HNO3

Element	Conc. (µg/L)	vol to spike directly to 20mL sample	ppm	LIMS ID
Ag	5.000	0.0500 mL	2	1240035 1240035
Sb	15.000	0.3000 mL	1	1237005

Fake spike ID:
1249003

~~B12242~~ BSI, MS2, potentially spike + w/ 0.1 mL Sb 1 ppm.

**Trace Metals Method BR-0066 Rev_002_ (ICP-MS)
Sea Water Sample Preparation by Reductive Co-Precipitation**

Batch #(s): B122120, 2242, 2319

Balance ID: BL-02

Filtration Date: 12/4/12

Preparation Date / Time*: 12/2/12

Filtered By: LU

Prepared By: LU

* Time is when the first reagents are added.

#	Sample ID	Sample Volume (mL)
* 33	1245020-03	40.01/200.19
* 34	B122120 DUP3	40.06/200.60
* 35	B122120 MS3	40.68/200.00
* 36	B122120 MSD3	40.02/200.03
* 37	1245020-07	40.23/200.27
* 38	1245020-11	40.74/200.72
* 39	1245020-15	40.22/200.99
* 40	1247011-03	40.59/200.77
41	1248034-01	200.76
42	B122120 DUP4	200.45
43	B122120 MS4	200.66
44	1248034-02	200.73
45	1248034-03	200.23
46	1248034-04	200.10
47	1248034-05	200.61
48	1248034-06	200.55
49	1248034-07	200.15
50	1248034-08	200.58
51	1248034-09	200.72
52	B122242 BS1	200.51
53	B122242 MS3	20.06/200.22
54	1248018-01	20.00/200.35
55	1248018-02	20.21/200.35

#	Sample ID	Sample Volume (mL)
56	1248018-03	20.05/200.01
57	1248018-04	20.41/200.60
58	B122242 DUP1	20.30/200.80
59	B122242 MS1	20.42/200.39
60	B122242 MSD1	20.19/200.14
61	1248018-05	20.30/200.10
62	1248018-06	20.24/200.06
63	1248018-07	20.02/200.03
64	B222242 DUP2	20.66/200.08
65	B222242 MS2	20.41/200.20
66	B222242 MSD2	20.29/200.89
67	1248018-08	20.33/200.31
68	1248018-09	20.23/200.15
69	1248018-10	20.32/200.99
70	1248018-11	20.81/200.06
71	1248018-12	20.41/200.10
72		
73		
74		
75		
76		
77		
78		

~~* BS1, MS3 potentially spiked w/ 0.6 mL sb 1ppm. 12/2/12~~

* samples digested on HB-01. Therm. ID: TM-03.

Digestion temp/time: c: 121°C 1746 then M: 123°C 1745 then M: 120°C 1800/1805 then M: 149°C 1814/1900

O: Filter lot: 320261

B122120, 2242
RP

B122120
USA/UDE

Samples spiked: BSI, MSI-S, MSDI-3

Element	Conc. (µg/L)	spike conc w/ 0.1mL spike vol and 200mL sample	mL from stock into 10mL tube	ppm	LIMS ID
As	10.000	20.000	0.2000	1000	1148020
Be	0.250	0.500	0.5000	10	1240023
Cd	0.120	0.240	0.2400	10	1240025
Cr	5.000	10.000	0.1000	1000	1226011
Cu	1.200	2.400	0.2400	100	1227010
Ni	1.400	2.800	0.2800	100	1240028
Pb	0.130	0.260	0.2600	10	1227019
Se	2.500	5.000	0.5000	100	1245008
Tl	0.100	0.200	0.2000	10	1240031
Zn	7.500	15.000	0.1500	1000	1226028

Spike mix ID:
1249001

Add 7.33mL 2% HNO3

Element	Conc. (µg/L)	vol to spike directly to 200mL sample	ppm	LIMS ID
Ag	0.500	0.0500	2	1240035

B122242

UCOR - Reviewed. mlh 11.30.12

Samples spiked: MSI-3, BSI, MSDI-2

Element	Conc. (µg/L)	spike conc w/ 0.1mL spike vol and 20mL sample (mg/L)	mL from stock into 10mL tube	ppm	LIMS ID
As	25.000	5.000	0.0500	1000	1148020
Be	5.000	1.000	0.1000	100	1240022
Cr	25.000	5.000	0.0500	1000	1226011
Se	30.000	6.000	0.0600	1000	1148021
Tl	5.000	1.000	0.1000	100	1240030

Spike mix ID:
1249002

Add 9.64mL 2% HNO3

Element	Conc. (µg/L)	vol to spike directly to 20mL sample	ppm	LIMS ID
Ag	5.000	0.0500 mL	2	1240035 1240035
Sb	15.000	0.3000 mL	1	1237005

Fake spike ID:
1249003

~~B12242 BSI, MSI-3~~ potentially spike ~~1~~ w/ 0.6 mL Sb 1 ppm.

Trace Metals Method BR-0070 Rev003 (ICP-MS)

Biota Preparation by HotBlock Digestion

Digestion by: HNO_3 / H_2O_2

Batch #: B122118, 2119, 2159 Prepared By: CCE

Page 1 of 1
Preparation Date and Time*: 11/26/12 1605

Matrix: biota Balance ID: BL-03

Date and Time of Finished Preparation: 11/29/12 1125

* Time is when the first reagents are added.

Sample ID	Sample Mass (g)	Notes	Sample ID	Sample Mass (g)	Notes
BLK1	---				
BLK2	---				
BLK3	---				
BLK4	---				
BS1	---				
SRM1	0.255	MS1/MS2 DORT-2			
SRM2	0.244	TORT-2			
1246025-04	0.491				
DUP1	0.562				
MS1	0.548				
MSD1	0.525				
1246025-05	0.512				
I -06	0.501				
1245005-01	0.561				
DUP2	0.534				
MS2	0.565				
MSD2	0.548				
1245005-02	0.570				
I -03	0.528				
-04	0.493				
-05	0.514				
-06	0.532				
-07	0.540				
I -08	0.543				

B122118, 2119

L

Sample ID	Spike ID	Spike Added (mL)	Analyte/Concentration	Spike Witness Initials/Date
BS1, MS/MSD1-2	1248007	0.1	B122118, 2119, 2159 spike	TMR 11/26/12

Reagents Added (ID/Amount Added)
0.1mL H2O2 (1217017)
10mL HNO3 (1241059)

Environ. Express tube lot #: 1207143

Final Dilution Volume 40 mL

Target Hotblock Temperature = 100 °C

HotBlock Temperature, Time On / Time Off, Date

SRM1 - ~~1219051~~ 1219051

SPM2 - TORT-2 - 1051005

Thermometer ID: 010396

* Both measured and corrected temperatures must be recorded.

SRM-Matrix-LIMS ID #

~~MS1/MS2~~ C: 97% 11/26/12 1615
timer set for 2.5 hrs

Comments:
A: aliquotted w/ pipette, 11/27/12

B122118, 2119, 2159
biota

Samples spiked:

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	8.000	40.000	0.4000	1000	1148020
Cd	0.500	2.500	0.2500	100	1240024
Cr DRC	1.200	6.000	0.6000	100	1227008
Cu	10.000	50.000	0.5000	1000	1226016
Pb	1.000	5.000	0.5000	100	1227019
Se DRC	2.000	10.000	0.1000	1000	1148021
Tl	0.100	0.500	0.5000 0.050	100	1240030

Spike mix ID:

1248007

Add 7.15mL 2% HNO3

**Trace Metals Method BR-0066 Rev_002_ (ICP-MS)
Sea Water Sample Preparation by Reductive Co-Precipitation**

Batch #(s): B122120, 2242

Page 1 of 2

Balance ID: BL-02

Preparation Date and Time*: 12/2/12 1700

Filtration Date: 12/4/12

Date and Time of Finished Preparation: 1900 12/4/12

Filtered By: CUE

Prepared By: CUE

* Time is when the first reagents are added.

#	Sample ID	Sample Volume (mL)†
1	BLK1	200.57
2	BLK2	200.62
3	BLK3	200.75
4	BLK4	200.81
5	B122120 BS1	200.67
6	SRM1 (SLEW-3)	200.20
7	0944029-99-1249001-01	200.39
8	B122120 MS5	200.20
9	1245005-09	40.20/200.04
10	B122120 DUP1	40.43/200.06
11	B122120 MS1	40.42/200.35
12	B122120 MSD1	40.70/200.45
13	1245005-10	40.33/200.25
14	1245005-11	40.58/200.22
15	1245005-12	40.44/200.70
16	1245005-13	40.91/200.21

#	Sample ID	Sample Volume (mL)†
17	1245005-14	40.05/200.01
18	1245005-15	40.34/200.37
19	1245005-16	40.21/200.24
20	1245005-17	40.91/200.18
21	1245005-18	40.07/200.98
22	1245005-19	40.11/200.16
23	B122120 DUP2	40.78/200.76
24	B122120 MS2	40.62/200.05
25	B122120 MSD2	40.37/200.15
26	1245005-20	40.66/200.18
27	1245005-21	40.66/200.11
28	1245005-22	40.05/200.30
29	1245005-23	40.52/200.95
30	1245005-24	40.68/200.62
31	1245005-25	40.61/200.38
32	1245005-26	40.06/200.64

† Sample vol. recorded in LIMS with three significant figures.

Sample ID	Spike ID	Vol. Added (mL)	Analyte/Concentration
B122120 BS1, MS1-5, MSD1-2	1249001	0.1	B122120 USA/UDE spike mix
	1240035	0.05	Ag 2 ppm
B122242 BS1, MS1-3, MSD1-2	1249002	0.1	B122124 UCOR spike mix
	1240035	0.05	Ag 2 ppm
	1237005	0.3	Sb 1 ppm

Spike Witness Initials/Date: N/A

Bottle lot: 12-192 SRM-Matrix-ID: SPM1-SLEW3-1238007 HNO₃ ID: 1237104

NaBH₄ ID: 1231009 NH₄OH ID: 1246029 Filter Lot #: 332936

H₂O₂ ID: 1217017 Fe/Pd/La/Te ID: 1243001 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: HB-01: C:120°C then 0:120°C then 0:150°C
M:120°C 1630/1635 then M:120°C 1725/1730 then M:150°C 1925/1940

Thermometer ID: TM-02

* Both measured and corrected temperatures must be recorded.

Comments: Full QC sets not performed for B122120 QC set 4 in order to conserve sample for future re-preps.

* Samples prepped at 5x dilution, as per project notes. t: prepped @ 10x diln, as per PM.
Samples prepped at a dilution brought up to 200mL w/ 0.2% H₂O₂.
0: New work order created for Native SW (numbers reached LIMS capacity).
0944029-99 used in B122120, 1249001-01 used in B122242.

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

**Trace Metals Method BR-0066 Rev_002_ (ICP-MS)
Sea Water Sample Preparation by Reductive Co-Precipitation**

Batch #(s): B122120, 2242, 2319

Balance ID: BL-02

Filtration Date: 12/4/12

Preparation Date / Time*: 12/2/12

Filtered By: LU

Prepared By: LU

* Time is when the first reagents are added.

#	Sample ID	Sample Volume (mL)
* 33	1245020-03	40.01/200.19
* 34	B122120 DUP3	40.06/200.60
* 35	B122120 MS3	40.68/200.00
* 36	B122120 MSD3	40.02/200.03
* 37	1245020-07	40.23/200.27
* 38	1245020-11	40.74/200.72
* 39	1245020-15	40.22/200.99
* 40	1247011-03	40.59/200.77
41	1248034-01	200.76
42	B122120 DUP4	200.45
43	B122120 MS4	200.66
44	1248034-02	200.73
45	1248034-03	200.23
46	1248034-04	200.10
47	1248034-05	200.61
48	1248034-06	200.55
49	1248034-07	200.15
50	1248034-08	200.58
51	1248034-09	200.72
52	B122242 BS1	200.51
53	B122242 MS3	20.06/200.22
54	1248018-01	20.00/200.35
55	1248018-02	20.21/200.35

#	Sample ID	Sample Volume (mL)
56	1248018-03	20.05/200.01
57	1248018-04	20.41/200.60
58	B122242 DUP1	20.30/200.80
59	B122242 MS1	20.42/200.39
60	B122242 MSD1	20.19/200.14
61	1248018-05	20.30/200.10
62	1248018-06	20.24/200.06
63	1248018-07	20.02/200.03
64	B222242 DUP2	20.66/200.08
65	B222242 MS2	20.41/200.20
66	B222242 MSD2	20.29/200.89
67	1248018-08	20.33/200.31
68	1248018-09	20.23/200.15
69	1248018-10	20.32/200.99
70	1248018-11	20.81/200.06
71	1248018-12	20.41/200.10
72		
73		
74		
75		
76		
77		
78		

~~* BS1, MS3 potentially spiked w/ 0.6 mL sb 1ppm.~~
12/2/12

* samples digested on HB-01. Therm. ID: TM-03.

Digestion temp/time: c: 121°C 1746 then M: 123°C 1745 then M: 120°C 1800/1805 then M: 149°C 1814/1900

O: Filter lot: 320261

B122120, 2242
RP

B122120
USA/UDE

Samples spiked: BSI, MSI-S, MSDI-3

Element	Conc. (µg/L)	spike conc w/ 0.1mL spike vol and 200mL sample	mL from stock into 10mL tube	ppm	LIMS ID
As	10.000	20.000	0.2000	1000	1148020
Be	0.250	0.500	0.5000	10	1240023
Cd	0.120	0.240	0.2400	10	1240025
Cr	5.000	10.000	0.1000	1000	1226011
Cu	1.200	2.400	0.2400	100	1227010
Ni	1.400	2.800	0.2800	100	1240028
Pb	0.130	0.260	0.2600	10	1227019
Se	2.500	5.000	0.5000	100	1245008
Tl	0.100	0.200	0.2000	10	1240031
Zn	7.500	15.000	0.1500	1000	1226028

Spike mix ID:
1249001

Add 7.33mL 2% HNO3

Element	Conc. (µg/L)	vol to spike directly to 200mL sample	ppm	LIMS ID
Ag	0.500	0.0500	2	1240035

B122242

UCOR - Reviewed. mlh 11.30.12

Samples spiked: MSI-3, BSI, MSDI-2

Element	Conc. (µg/L)	spike conc w/ 0.1mL spike vol and 20mL sample (mg/L)	mL from stock into 10mL tube	ppm	LIMS ID
As	25.000	5.000	0.0500	1000	1148020
Be	5.000	1.000	0.1000	100	1240022
Cr	25.000	5.000	0.0500	1000	1226011
Se	30.000	6.000	0.0600	1000	1148021
Tl	5.000	1.000	0.1000	100	1240030

Spike mix ID:
1249002

Add 9.64mL 2% HNO3

Element	Conc. (µg/L)	vol to spike directly to 20mL sample	ppm	LIMS ID
Ag	5.000	0.0500 mL	2	1240035 1240035
Sb	15.000	0.3000 mL	1	1237005

Fake spike ID:
1249003

~~B12242 BSI, MSI-3~~ potentially spike w/ 0.6 mL Sb 1 ppm.

Sample Information

Report Title: QUANTITATIVE ANALYSIS REPORT

Batch ID:

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\rinse.024

Tuning File: C:\Elandata\Tuning\Default.tun

Optimization File: C:\Elandata\Optimize\Default.dac

Blank File:

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Calibration Type: External Calibration

Calibration

Analyte	MassCurve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
Be	9Weighted Linear	0.001	0.000	0.998535	0.050000
Sc	45Weighted Linear				
Cr	52Weighted Linear	0.006	0.000	0.999464	0.150000
Cr	53Weighted Linear	0.001	0.001	0.961620	0.150000
Cu	65Weighted Linear	0.002	-0.000	0.999486	0.100000
Cu	63Weighted Linear	0.005	-0.000	0.999328	0.100000
Ge	74Weighted Linear				
As	75Weighted Linear	0.001	0.000	0.997112	0.200000
As-1	75Weighted Linear	0.001	-0.000	0.994724	0.200000
Se	77Weighted Linear	0.000	-0.000	0.813371	0.200000
Se	82Weighted Linear	0.000	-0.000	0.999737	0.200000
Ag	107Weighted Linear	0.003	-0.000	0.999855	0.020000
Ag	109Weighted Linear	0.003	-0.000	0.999417	0.020000
Cd	111Weighted Linear	0.001	0.000	0.970622	0.010000
Cd	114Weighted Linear	0.002	-0.000	0.996625	0.010000
In	115Weighted Linear				
Sb	121Weighted Linear	0.002	0.000	0.999709	0.020000
Tm	169Weighted Linear				
Tl	205Weighted Linear	0.009	0.000	0.999870	0.010000
Pb	208Weighted Linear	0.012	0.000	0.999247	0.025000
C	13Weighted Linear				

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB1

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 14:15:34

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-ICB1.025

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9		15	6	39.8			ug/L
> Sc	45		719009	10564	1.5			ug/L
Cr	52		3658	23	0.6			ug/L
Cr	53		21604	311	1.4			ug/L
Cu	65		36	4	11.3			ug/L
Cu	63		38	2	4.6			ug/L
> Ge	74		540384	11427	2.1			ug/L
As	75		-96	296	309.5			ug/L
As-1	75		2889	287	9.9			ug/L
Se	77		1993	70	3.5			ug/L
Se	82		13	10	74.2			ug/L
Ag	107		23	4	16.7			ug/L
Ag	109		21	6	29.0			ug/L
Cd	111		11	4	35.7			ug/L
Cd	114		28	12	40.9			ug/L
> In	115		1151262	24761	2.2			ug/L
Sb	121		56	6	10.9			ug/L
> Tm	169		804781	23232	2.9			ug/L
Tl	205		6	1	10.2			ug/L
Pb	208		72	3	4.8			ug/L
C	13		20307	102	0.5			ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> 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
	C	13

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL1

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 14:17:48

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 2

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CAL1.026

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	46	13	27.4	0.000040	0.0525	ug/L
> Sc	45	719009	739499	7543	1.0	739498.544219		ug/L
Cr	52	3658	4571	66	1.4	0.001094	0.1496	ug/L
Cr	53	21604	22650	690	3.0	0.000590	0.1047	ug/L
Cu	65	36	146	15	10.5	0.000196	0.0988	ug/L
Cu	63	38	290	10	3.3	0.000449	0.0983	ug/L
> Ge	74	540384	558294	1222	0.2	558293.721579		ug/L
As	75	-96	134	165	123.0	0.000417	0.2156	ug/L
As-1	75	2889	2981	139	4.7	-0.000006	0.1806	ug/L
Se	77	1993	2059	24	1.2	-0.000003	0.0517	ug/L
Se	82	13	28	4	12.6	0.000012	0.4112	ug/L
Ag	107	23	91	5	5.0	0.000057	0.0198	ug/L
Ag	109	21	93	11	11.4	0.000060	0.0197	ug/L
Cd	111	11	22	5	20.2	0.000009	0.0126	ug/L
Cd	114	28	46	3	7.0	0.000014	0.0108	ug/L
> In	115	1151262	1191171	2905	0.2	1191170.777715		ug/L
Sb	121	56	106	15	14.3	0.000040	0.0199	ug/L
> Tm	169	804781	835911	1225	0.1	835911.290390		ug/L
Tl	205	6	86	7	8.4	0.000096	0.0100	ug/L
Pb	208	72	360	16	4.5	0.000341	0.0256	ug/L
C	13	20307	19693	243	1.2	-613.679443		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> 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
	C	13

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL2

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 14:20:02

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 3

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CAL2.027

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	64	5	7.4	0.000067	0.0908	ug/L
> Sc	45	719009	720059	9506	1.3	720058.954584		ug/L
Cr	52	3658	5061	164	3.2	0.001939	0.3011	ug/L
Cr	53	21604	22253	676	3.0	0.000859	0.4760	ug/L
Cu	65	36	272	31	11.3	0.000437	0.2042	ug/L
Cu	63	38	557	14	2.6	0.000961	0.2067	ug/L
> Ge	74	540384	540134	10844	2.0	540134.332376		ug/L
As	75	-96	212	211	99.2	0.000565	0.3384	ug/L
As-1	75	2889	3084	190	6.2	0.000360	0.4836	ug/L
Se	77	1993	2024	42	2.1	0.000041	1.0124	ug/L
Se	82	13	26	5	19.2	0.000011	0.3963	ug/L
Ag	107	23	162	7	4.5	0.000122	0.0408	ug/L
Ag	109	21	165	4	2.6	0.000126	0.0414	ug/L
Cd	111	11	19	1	5.3	0.000007	0.0094	ug/L
Cd	114	28	55	8	14.5	0.000023	0.0169	ug/L
> In	115	1151262	1142204	19694	1.7	1142203.877751		ug/L
Sb	121	56	146	4	2.5	0.000079	0.0402	ug/L
> Tm	169	804781	795464	16510	2.1	795463.973947		ug/L
Tl	205	6	152	3	1.9	0.000185	0.0198	ug/L
Pb	208	72	552	23	4.2	0.000605	0.0473	ug/L
C	13	20307	19979	284	1.4	-327.722372		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> 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
C	13

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL3

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 14:22:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 4

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CAL3.028

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	261	2	0.8	0.000334	0.4715	ug/L
> Sc	45	719009	734984	5606	0.8	734984.063402		ug/L
Cr	52	3658	10108	154	1.5	0.008664	1.5077	ug/L
Cr	53	21604	23336	682	2.9	0.001702	1.6431	ug/L
Cu	65	36	1290	7	0.5	0.002265	1.0022	ug/L
Cu	63	38	2628	24	0.9	0.004676	0.9932	ug/L
> Ge	74	540384	553768	10425	1.9	553767.686915		ug/L
As	75	-96	1304	118	9.1	0.002529	1.9675	ug/L
As-1	75	2889	4114	90	2.2	0.002084	1.9109	ug/L
Se	77	1993	2118	44	2.1	0.000068	1.6088	ug/L
Se	82	13	131	8	6.4	0.000100	2.0979	ug/L
Ag	107	23	748	75	10.0	0.000615	0.1995	ug/L
Ag	109	21	713	42	5.8	0.000587	0.1907	ug/L
Cd	111	11	93	6	6.5	0.000069	0.1032	ug/L
Cd	114	28	198	28	14.2	0.000143	0.0942	ug/L
> In	115	1151262	1177791	17627	1.5	1177791.395198		ug/L
Sb	121	56	509	15	2.9	0.000384	0.1995	ug/L
> Tm	169	804781	826567	12509	1.5	826567.079078		ug/L
Tl	205	6	755	15	1.9	0.000906	0.0998	ug/L
Pb	208	72	2711	48	1.8	0.003190	0.2606	ug/L
C	13	20307	19781	265	1.3	-525.821919		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> 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
C	13

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL4

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 14:24:30

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CAL4.029

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	549	26	4.8	0.000712	1.0100	ug/L
> Sc	45	719009	748755	5998	0.8	748755.115208		ug/L
Cr	52	3658	58297	450	0.8	0.072776	13.0100	ug/L
Cr	53	21604	29553	668	2.3	0.009427	12.3366	ug/L
Cu	65	36	6732	42	0.6	0.011911	5.2144	ug/L
Cu	63	38	13790	45	0.3	0.024464	5.1825	ug/L
> Ge	74	540384	562113	5385	1.0	562112.873729		ug/L
As	75	-96	3334	146	4.4	0.006111	4.9385	ug/L
As-1	75	2889	6006	150	2.5	0.005341	4.6076	ug/L
Se	77	1993	2564	47	1.8	0.000401	8.9528	ug/L
Se	82	13	628	10	1.6	0.000511	9.9782	ug/L
Ag	107	23	3809	23	0.6	0.003148	1.0149	ug/L
Ag	109	21	3887	89	2.3	0.003214	1.0418	ug/L
Cd	111	11	416	9	2.3	0.000336	0.5071	ug/L
Cd	114	28	1003	25	2.5	0.000810	0.5231	ug/L
> In	115	1151262	1202540	5357	0.4	1202540.054755		ug/L
Sb	121	56	2425	12	0.5	0.001968	1.0284	ug/L
> Tm	169	804781	845027	1824	0.2	845027.086262		ug/L
Tl	205	6	1970	84	4.3	0.002324	0.2571	ug/L
Pb	208	72	26552	151	0.6	0.031332	2.5819	ug/L
C	13	20307	19590	241	1.2	-717.236185		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> 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
C	13

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL5

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 14:26:44

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CAL5.030

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	1086	12	1.1	0.001432	2.0365	ug/L
> Sc	45	719009	746890	1611	0.2	746889.541935		ug/L
Cr	52	3658	111653	477	0.4	0.144402	25.8606	ug/L
Cr	53	21604	35742	392	1.1	0.017807	23.9355	ug/L
Cu	65	36	13210	154	1.2	0.023472	10.2625	ug/L
Cu	63	38	27552	245	0.9	0.049024	10.3823	ug/L
> Ge	74	540384	561210	1891	0.3	561209.706016		ug/L
As	75	-96	7079	289	4.1	0.012791	10.4797	ug/L
As-1	75	2889	9777	218	2.2	0.012076	10.1832	ug/L
Se	77	1993	3020	68	2.3	0.000792	17.5554	ug/L
Se	82	13	1237	49	4.0	0.001022	19.7760	ug/L
Ag	107	23	7565	171	2.3	0.006299	2.0295	ug/L
Ag	109	21	7588	95	1.3	0.006320	2.0479	ug/L
Cd	111	11	867	25	2.9	0.000715	1.0782	ug/L
Cd	114	28	1986	58	2.9	0.001635	1.0542	ug/L
> In	115	1151262	1197230	2928	0.2	1197230.370866		ug/L
Sb	121	56	4750	14	0.3	0.003919	2.0488	ug/L
> Tm	169	804781	845053	3739	0.4	845052.647218		ug/L
Tl	205	6	3864	71	1.8	0.004566	0.5058	ug/L
Pb	208	72	52360	166	0.3	0.061872	5.1010	ug/L
C	13	20307	19344	89	0.5	-962.762936		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> 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
	C	13

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL6

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 14:28:58

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 7

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CAL6.031

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	2144	79	3.7	0.002903	4.1332	ug/L
> Sc	45	719009	732922	8397	1.1	732922.454292		ug/L
Cr	52	3658	512720	6875	1.3	0.694457	124.5467	ug/L
Cr	53	21604	82068	37	0.0	0.081936	112.7017	ug/L
Cu	65	36	62008	362	0.6	0.113696	49.6604	ug/L
Cu	63	38	128318	1641	1.3	0.235335	49.8272	ug/L
> Ge	74	540384	545089	5957	1.1	545088.546788		ug/L
As	75	-96	33291	527	1.6	0.061250	50.6776	ug/L
As-1	75	2889	35483	654	1.8	0.059747	49.6534	ug/L
Se	77	1993	3843	61	1.6	0.001586	35.0673	ug/L
Se	82	13	2403	31	1.3	0.002062	39.7175	ug/L
Ag	107	23	35845	144	0.4	0.030918	9.9553	ug/L
Ag	109	21	35875	420	1.2	0.030944	10.0255	ug/L
Cd	111	11	4055	27	0.7	0.003490	5.2695	ug/L
Cd	114	28	9216	174	1.9	0.007929	5.1069	ug/L
> In	115	1151262	1158662	8090	0.7	1158661.848467		ug/L
Sb	121	56	8990	49	0.5	0.007711	4.0324	ug/L
> Tm	169	804781	827738	9298	1.1	827737.835813		ug/L
Tl	205	6	18591	137	0.7	0.022454	2.4900	ug/L
Pb	208	72	100534	1009	1.0	0.121368	10.0086	ug/L
C	13	20307	19143	231	1.2	-1163.518898		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> 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
C	13

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL7

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 14:31:12

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 8

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CAL7.032

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	5159	36	0.7	0.007223	10.2900	ug/L
> Sc	45	719009	712219	5455	0.8	712219.049289		ug/L
Cr	52	3658	972666	6736	0.7	1.360601	244.0605	ug/L
Cr	53	21604	136470	672	0.5	0.161569	222.9276	ug/L
Cu	65	36	117905	185	0.2	0.222774	97.2913	ug/L
Cu	63	38	243163	880	0.4	0.459510	97.2883	ug/L
> Ge	74	540384	529114	2987	0.6	529114.454842		ug/L
As	75	-96	65382	307	0.5	0.123747	102.5197	ug/L
As-1	75	2889	66774	332	0.5	0.120855	100.2483	ug/L
Se	77	1993	6343	90	1.4	0.003905	86.1736	ug/L
Se	82	13	5830	30	0.5	0.005168	99.2677	ug/L
Ag	107	23	69343	160	0.2	0.061589	19.8297	ug/L
Ag	109	21	68632	728	1.1	0.060959	19.7497	ug/L
Cd	111	11	7848	81	1.0	0.006962	10.5126	ug/L
Cd	114	28	17655	264	1.5	0.015660	10.0841	ug/L
> In	115	1151262	1125564	6635	0.6	1125563.747342		ug/L
Sb	121	56	20810	68	0.3	0.018440	9.6452	ug/L
> Tm	169	804781	812607	4020	0.5	812606.568387		ug/L
Tl	205	6	36252	430	1.2	0.044607	4.9472	ug/L
Pb	208	72	240860	1014	0.4	0.296317	24.4395	ug/L
C	13	20307	18702	275	1.5	-1604.768457		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> 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
C	13

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL8

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 14:33:26

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 9

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CAL8.033

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	9840	56	0.6	0.014157	20.1722	ug/L
> Sc	45	719009	694068	7759	1.1	694068.267041		ug/L
Cr	52	3658	1834299	19870	1.1	2.637747	473.1949	ug/L
Cr	53	21604	242464	1879	0.8	0.319305	441.2633	ug/L
Cu	65	36	222662	1819	0.8	0.436632	190.6761	ug/L
Cu	63	38	455761	3285	0.7	0.893801	189.2344	ug/L
> Ge	74	540384	509884	5160	1.0	509883.825323		ug/L
As	75	-96	125110	1262	1.0	0.245547	203.5542	ug/L
As-1	75	2889	125461	1465	1.2	0.240710	199.4832	ug/L
Se	77	1993	10596	41	0.4	0.008115	178.9514	ug/L
Se	82	13	11096	113	1.0	0.010298	197.6357	ug/L
Ag	107	23	130430	1280	1.0	0.121166	39.0103	ug/L
Ag	109	21	128935	1094	0.8	0.119780	38.8062	ug/L
Cd	111	11	14826	242	1.6	0.013765	20.7847	ug/L
Cd	114	28	33510	443	1.3	0.031110	20.0313	ug/L
> In	115	1151262	1076264	5970	0.6	1076263.892708		ug/L
Sb	121	56	40164	267	0.7	0.037270	19.4952	ug/L
> Tm	169	804781	787985	7087	0.9	787984.994192		ug/L
Tl	205	6	69732	491	0.7	0.088493	9.8151	ug/L
Pb	208	72	457465	623	0.1	0.580488	47.8797	ug/L
C	13	20307	18329	138	0.8	-1978.196599		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> 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
C	13

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB2

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 14:35:40

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-ICB2.034

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	16	3	16.1	0.000001	-0.0034	ug/L
> Sc	45	719009	699494	9919	1.4	699494.325857		ug/L
Cr	52	3658	3397	273	8.0	-0.000234	-0.0888	ug/L
Cr	53	21604	20904	1039	5.0	-0.000167	-0.9436	ug/L
Cu	65	36	41	4	9.2	0.000012	0.0184	ug/L
Cu	63	38	76	16	21.1	0.000073	0.0186	ug/L
> Ge	74	540384	531053	8350	1.6	531052.763535		ug/L
As	75	-96	-40	127	318.4	0.000100	-0.0474	ug/L
As-1	75	2889	2725	156	5.7	-0.000215	0.0069	ug/L
Se	77	1993	1714	59	3.4	-0.000215	-4.6398	ug/L
Se	82	13	23	24	103.7	0.000009	0.3498	ug/L
Ag	107	23	159	55	34.4	0.000121	0.0404	ug/L
Ag	109	21	158	72	45.5	0.000121	0.0397	ug/L
Cd	111	11	10	3	31.6	-0.000001	-0.0028	ug/L
Cd	114	28	26	10	39.9	-0.000002	0.0007	ug/L
> In	115	1151262	1131779	24456	2.2	1131778.648969		ug/L
Sb	121	56	1218	217	17.8	0.001027	0.5363	ug/L
> Tm	169	804781	811886	19557	2.4	811885.684297		ug/L
Tl	205	6	12	6	47.2	0.000007	0.0002	ug/L
Pb	208	72	83	9	10.5	0.000013	-0.0015	ug/L
C	13	20307	18521	163	0.9	-1785.806985		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	97.286
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	98.273
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	98.308
Sb	121	
> Tm	169	100.883
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICV1

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 14:48:54

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 10

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-ICV1.035

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	527	23	4.3	0.000696	0.9875	ug/L
> Sc	45	719009	734228	8858	1.2	734227.652229		ug/L
Cr	52	3658	52725	513	1.0	0.066724	11.9242	ug/L
Cr	53	21604	24293	844	3.5	0.003050	3.5086	ug/L
Cu	65	36	6021	56	0.9	0.010796	4.7273	ug/L
Cu	63	38	12440	211	1.7	0.022372	4.7396	ug/L
> Ge	74	540384	554315	5685	1.0	554315.373129		ug/L
As	75	-96	3211	246	7.7	0.005971	4.8230	ug/L
As-1	75	2889	6015	305	5.1	0.005508	4.7453	ug/L
Se	77	1993	2122	53	2.5	0.000082	1.9235	ug/L
Se	82	13	567	25	4.3	0.000473	9.2511	ug/L
Ag	107	23	3781	30	0.8	0.003211	1.0354	ug/L
Ag	109	21	3770	87	2.3	0.003203	1.0382	ug/L
Cd	111	11	389	17	4.2	0.000322	0.4859	ug/L
Cd	114	28	890	19	2.1	0.000736	0.4758	ug/L
> In	115	1151262	1170131	6170	0.5	1170131.067214		ug/L
Sb	121	56	2289	64	2.8	0.001907	0.9964	ug/L
> Tm	169	804781	819848	13250	1.6	819847.520996		ug/L
Tl	205	6	1773	32	1.8	0.002155	0.2384	ug/L
Pb	208	72	24532	334	1.4	0.029834	2.4583	ug/L
C	13	20307	19318	8	0.0	-989.152585		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	102.117
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	102.578
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	101.639
Sb	121	
> Tm	169	101.872
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB3

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 14:55:11

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-ICB3.036

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	16	2	13.3	-0.000000	-0.0051	ug/L
> Sc	45	719009	738176	7620	1.0	738176.336398		ug/L
Cr	52	3658	3517	128	3.7	-0.000322	-0.1045	ug/L
Cr	53	21604	19431	1326	6.8	-0.003711	-5.8493	ug/L
Cu	65	36	35	7	20.0	-0.000003	0.0120	ug/L
Cu	63	38	36	6	17.7	-0.000005	0.0022	ug/L
> Ge	74	540384	553768	7067	1.3	553768.073679		ug/L
As	75	-96	-113	181	160.3	-0.000027	-0.1528	ug/L
As-1	75	2889	2834	180	6.4	-0.000228	-0.0033	ug/L
Se	77	1993	1870	21	1.1	-0.000142	-3.0119	ug/L
Se	82	13	7	10	137.1	-0.000006	0.0746	ug/L
Ag	107	23	38	3	7.0	0.000013	0.0056	ug/L
Ag	109	21	39	7	17.6	0.000015	0.0052	ug/L
Cd	111	11	12	2	17.8	0.000000	-0.0007	ug/L
Cd	114	28	20	4	17.9	-0.000008	-0.0032	ug/L
> In	115	1151262	1176889	13237	1.1	1176888.832643		ug/L
Sb	121	56	96	11	11.5	0.000033	0.0159	ug/L
> Tm	169	804781	814840	1306	0.2	814840.387054		ug/L
Tl	205	6	7	2	31.2	0.000001	-0.0005	ug/L
Pb	208	72	71	6	8.3	-0.000003	-0.0028	ug/L
C	13	20307	19430	218	1.1	-877.246071		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	102.666
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	102.477
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	102.226
Sb	121	
> Tm	169	101.250
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL1

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 14:57:25

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 101

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-IBL1.037

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	14	6	40.3	-0.000003	-0.0088	ug/L
> Sc	45	719009	734496	7301	1.0	734495.565168		ug/L
Cr	52	3658	3560	53	1.5	-0.000241	-0.0901	ug/L
Cr	53	21604	20725	650	3.1	-0.001825	-3.2381	ug/L
Cu	65	36	34	2	4.4	-0.000004	0.0115	ug/L
Cu	63	38	44	9	20.8	0.000009	0.0051	ug/L
> Ge	74	540384	552816	2282	0.4	552815.827539		ug/L
As	75	-96	-91	17	18.4	0.000012	-0.1204	ug/L
As-1	75	2889	2825	53	1.9	-0.000235	-0.0097	ug/L
Se	77	1993	1822	13	0.7	-0.000179	-3.8467	ug/L
Se	82	13	-4	20	451.5	-0.000015	-0.1100	ug/L
Ag	107	23	29	9	30.6	0.000005	0.0031	ug/L
Ag	109	21	38	1	2.6	0.000014	0.0050	ug/L
Cd	111	11	14	4	26.4	0.000002	0.0027	ug/L
Cd	114	28	22	2	9.3	-0.000006	-0.0018	ug/L
> In	115	1151262	1174470	9981	0.8	1174469.598090		ug/L
Sb	121	56	74	4	5.5	0.000014	0.0062	ug/L
> Tm	169	804781	815700	7532	0.9	815700.386417		ug/L
Tl	205	6	7	1	7.9	0.000002	-0.0004	ug/L
Pb	208	72	68	3	4.4	-0.000006	-0.0031	ug/L
C	13	20307	20113	186	0.9	-194.096562		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	102.154
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	102.301
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	102.016
Sb	121	
> Tm	169	101.357
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL2

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 14:59:39

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 102

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-IBL2.038

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	16	7	41.7	0.000001	-0.0036	ug/L
> Sc	45	719009	733132	5260	0.7	733131.624066		ug/L
Cr	52	3658	3781	128	3.4	0.000070	-0.0343	ug/L
Cr	53	21604	22558	525	2.3	0.000726	0.2920	ug/L
Cu	65	36	30	3	10.3	-0.000012	0.0078	ug/L
Cu	63	38	45	8	17.8	0.000011	0.0055	ug/L
> Ge	74	540384	554473	1902	0.3	554472.930703		ug/L
As	75	-96	-22	224	1026.1	0.000137	-0.0165	ug/L
As-1	75	2889	2823	210	7.4	-0.000254	-0.0249	ug/L
Se	77	1993	1915	67	3.5	-0.000097	-2.0300	ug/L
Se	82	13	1	2	149.8	-0.000010	-0.0170	ug/L
Ag	107	23	23	4	16.2	0.000000	0.0016	ug/L
Ag	109	21	28	2	8.3	0.000005	0.0022	ug/L
Cd	111	11	13	4	27.7	0.000001	0.0010	ug/L
Cd	114	28	28	4	13.6	-0.000001	0.0011	ug/L
> In	115	1151262	1172288	5515	0.5	1172287.624284		ug/L
Sb	121	56	70	9	12.7	0.000011	0.0046	ug/L
> Tm	169	804781	823027	9907	1.2	823027.324073		ug/L
Tl	205	6	3	2	45.8	-0.000003	-0.0010	ug/L
Pb	208	72	62	8	13.2	-0.000014	-0.0037	ug/L
C	13	20307	20071	277	1.4	-235.519762		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	101.964
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	102.607
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	101.826
Sb	121	
> Tm	169	102.267
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL3

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 15:01:53

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 103

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-IBL3.039

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	13	3	19.9	-0.000004	-0.0109	ug/L
> Sc	45	719009	739558	1154	0.2	739557.595987		ug/L
Cr	52	3658	3617	160	4.4	-0.000197	-0.0822	ug/L
Cr	53	21604	20857	175	0.8	-0.001845	-3.2666	ug/L
Cu	65	36	40	5	12.9	0.000006	0.0157	ug/L
Cu	63	38	55	9	15.6	0.000028	0.0092	ug/L
> Ge	74	540384	553165	3685	0.7	553165.088654		ug/L
As	75	-96	27	136	507.0	0.000226	0.0570	ug/L
As-1	75	2889	2914	137	4.7	-0.000077	0.1212	ug/L
Se	77	1993	1701	39	2.3	-0.000290	-6.2931	ug/L
Se	82	13	-5	3	58.3	-0.000016	-0.1208	ug/L
Ag	107	23	20	11	54.8	-0.000003	0.0007	ug/L
Ag	109	21	21	6	28.3	-0.000000	0.0004	ug/L
Cd	111	11	42	3	7.3	0.000025	0.0375	ug/L
Cd	114	28	87	16	18.1	0.000049	0.0333	ug/L
> In	115	1151262	1181439	12564	1.1	1181439.009716		ug/L
Sb	121	56	51	6	12.1	-0.000006	-0.0042	ug/L
> Tm	169	804781	817609	6122	0.7	817608.990958		ug/L
Tl	205	6	7	3	45.8	0.000001	-0.0005	ug/L
Pb	208	72	72	10	13.6	-0.000002	-0.0027	ug/L
C	13	20307	19804	325	1.6	-503.438647		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	102.858
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	102.365
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	102.621
Sb	121	
> Tm	169	101.594
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL4

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 15:04:07

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 104

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-IBL4.040

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	1	5.9	0.000002	-0.0027	ug/L
> Sc	45	719009	742137	3308	0.4	742137.284145		ug/L
Cr	52	3658	3231	55	1.7	-0.000735	-0.1786	ug/L
Cr	53	21604	18100	256	1.4	-0.005657	-8.5427	ug/L
Cu	65	36	33	7	20.4	-0.000008	0.0099	ug/L
Cu	63	38	45	6	12.1	0.000011	0.0055	ug/L
> Ge	74	540384	558851	2138	0.4	558850.521704		ug/L
As	75	-96	-21	220	1068.3	0.000139	-0.0150	ug/L
As-1	75	2889	2805	246	8.8	-0.000328	-0.0860	ug/L
Se	77	1993	1450	81	5.6	-0.000507	-11.0598	ug/L
Se	82	13	-5	10	195.5	-0.000016	-0.1261	ug/L
Ag	107	23	20	6	29.4	-0.000003	0.0005	ug/L
Ag	109	21	16	2	9.4	-0.000004	-0.0010	ug/L
Cd	111	11	12	2	17.8	-0.000000	-0.0009	ug/L
Cd	114	28	27	8	30.2	-0.000002	0.0006	ug/L
> In	115	1151262	1184935	10303	0.9	1184935.291915		ug/L
Sb	121	56	47	6	11.8	-0.000009	-0.0059	ug/L
> Tm	169	804781	823548	5699	0.7	823548.380878		ug/L
Tl	205	6	4	3	66.1	-0.000002	-0.0009	ug/L
Pb	208	72	65	9	13.7	-0.000010	-0.0034	ug/L
C	13	20307	19945	108	0.5	-361.799607		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	103.217
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	103.417
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	102.925
Sb	121	
> Tm	169	102.332
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV1

Sample Description: 5x

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 15:06:21

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 105

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-SCV1.041

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	1497	36	2.4	0.001990	14.1568	ug/L
> Sc	45	719009	744461	4619	0.6	744460.532768		ug/L
Cr	52	3658	20492	293	1.4	0.022437	19.8934	ug/L
Cr	53	21604	20747	426	2.1	-0.002175	-18.6191	ug/L
Cu	65	36	5806	163	2.8	0.010345	22.6531	ug/L
Cu	63	38	12084	148	1.2	0.021600	22.8808	ug/L
> Ge	74	540384	557612	3346	0.6	557611.705432		ug/L
As	75	-96	8012	148	1.8	0.014544	59.6722	ug/L
As-1	75	2889	10865	207	1.9	0.014139	59.4603	ug/L
Se	77	1993	1731	44	2.6	-0.000266	-28.7989	ug/L
Se	82	13	141	6	4.1	0.000108	11.2680	ug/L
Ag	107	23	796	21	2.6	0.000654	1.0603	ug/L
Ag	109	21	790	3	0.3	0.000651	1.0560	ug/L
Cd	111	11	1138	15	1.3	0.000953	7.1949	ug/L
Cd	114	28	2541	37	1.5	0.002125	6.8510	ug/L
> In	115	1151262	1181776	7135	0.6	1181775.585871		ug/L
Sb	121	56	27370	232	0.8	0.023112	60.4441	ug/L
> Tm	169	804781	834163	3492	0.4	834162.782523		ug/L
Tl	205	6	11378	176	1.5	0.013632	7.5573	ug/L
Pb	208	72	40860	70	0.2	0.048894	20.1526	ug/L
C	13	20307	21961	156	0.7	1653.838539		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	103.540
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	103.188
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	102.650
Sb	121	
> Tm	169	103.651
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV1

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 15:15:56

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCV1.042

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	539	20	3.6	0.000697	0.9884	ug/L
> Sc	45	719009	750361	9609	1.3	750361.281780		ug/L
Cr	52	3658	58104	678	1.2	0.072347	12.9331	ug/L
Cr	53	21604	25474	1312	5.2	0.003909	4.6975	ug/L
Cu	65	36	6746	75	1.1	0.011956	5.2340	ug/L
Cu	63	38	13865	148	1.1	0.024640	5.2199	ug/L
> Ge	74	540384	561091	4564	0.8	561090.591211		ug/L
As	75	-96	3494	119	3.4	0.006403	5.1812	ug/L
As-1	75	2889	6268	167	2.7	0.005826	5.0092	ug/L
Se	77	1993	2381	34	1.4	0.000262	5.8723	ug/L
Se	82	13	642	8	1.2	0.000525	10.2571	ug/L
Ag	107	23	3826	17	0.5	0.003182	1.0260	ug/L
Ag	109	21	3880	24	0.6	0.003229	1.0466	ug/L
Cd	111	11	417	35	8.3	0.000339	0.5113	ug/L
Cd	114	28	997	13	1.3	0.000810	0.5231	ug/L
> In	115	1151262	1194992	11467	1.0	1194991.956289		ug/L
Sb	121	56	2475	44	1.8	0.002023	1.0570	ug/L
> Tm	169	804781	820697	9046	1.1	820697.287645		ug/L
Tl	205	6	1957	44	2.3	0.002377	0.2630	ug/L
Pb	208	72	25834	168	0.6	0.031390	2.5867	ug/L
C	13	20307	19596	296	1.5	-710.554066		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	104.361
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	103.832
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	103.798
Sb	121	
> Tm	169	101.978
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB1

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 15:18:10

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCB1.043

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	16	5	28.3	0.000001	-0.0039	ug/L
> Sc	45	719009	742254	6283	0.8	742253.841727		ug/L
Cr	52	3658	3770	161	4.3	-0.000008	-0.0482	ug/L
Cr	53	21604	21647	699	3.2	-0.000877	-1.9266	ug/L
Cu	65	36	32	4	13.6	-0.000009	0.0094	ug/L
Cu	63	38	39	4	11.2	-0.000001	0.0031	ug/L
> Ge	74	540384	558810	1429	0.3	558810.414080		ug/L
As	75	-96	40	250	619.6	0.000248	0.0757	ug/L
As-1	75	2889	2939	168	5.7	-0.000087	0.1130	ug/L
Se	77	1993	1858	45	2.4	-0.000169	-3.6254	ug/L
Se	82	13	14	8	52.9	0.000000	0.1919	ug/L
Ag	107	23	37	20	55.4	0.000011	0.0051	ug/L
Ag	109	21	42	14	33.3	0.000017	0.0059	ug/L
Cd	111	11	14	5	36.1	0.000002	0.0016	ug/L
Cd	114	28	24	3	13.4	-0.000005	-0.0011	ug/L
> In	115	1151262	1189932	4346	0.4	1189931.824594		ug/L
Sb	121	56	69	6	8.2	0.000010	0.0038	ug/L
> Tm	169	804781	817922	4865	0.6	817921.904005		ug/L
Tl	205	6	4	2	43.3	-0.000002	-0.0009	ug/L
Pb	208	72	71	1	1.6	-0.000003	-0.0028	ug/L
C	13	20307	19154	203	1.1	-1152.830201		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	103.233
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	103.410
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	103.359
Sb	121	
> Tm	169	101.633
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122317-BLK1

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 15:20:24

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 125

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122288-BLK1.044

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	20	4	19.9	0.000006	0.0172	ug/L
> Sc	45	719009	746634	4277	0.6	746633.949404		ug/L
Cr	52	3658	2928	159	5.4	-0.001166	-1.2799	ug/L
Cr	53	21604	4613	572	12.4	-0.023866	-168.7352	ug/L
Cu	65	36	95	15	15.9	0.000101	0.2859	ug/L
Cu	63	38	193	9	4.9	0.000268	0.2994	ug/L
> Ge	74	540384	569864	1228	0.2	569863.534316		ug/L
As	75	-96	44	68	154.7	0.000254	0.4035	ug/L
As-1	75	2889	3075	138	4.5	0.000051	1.1359	ug/L
Se	77	1993	113	9	8.2	-0.001635	-179.5840	ug/L
Se	82	13	-3	16	549.8	-0.000014	-0.4405	ug/L
Ag	107	23	573	20	3.5	0.000467	0.7590	ug/L
Ag	109	21	370	10	2.8	0.000296	0.4814	ug/L
Cd	111	11	57	2	2.7	0.000039	0.2889	ug/L
Cd	114	28	28	8	29.6	-0.000001	0.0060	ug/L
> In	115	1151262	1178051	7977	0.7	1178050.829080		ug/L
Sb	121	56	188	14	7.6	0.000111	0.2834	ug/L
> Tm	169	804781	783059	5065	0.6	783058.604190		ug/L
Tl	205	6	12	2	17.8	0.000008	0.0011	ug/L
Pb	208	72	119	1	1.0	0.000062	0.0128	ug/L
C	13	20307	19526	92	0.5	-780.707666		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	103.842
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	105.455
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	102.327
Sb	121	
> Tm	169	97.301
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122317-BLK2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 15:22:38

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 126

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122288-BLK2.045

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	19	2	10.8	0.000004	0.0037	ug/L
> Sc	45	719009	763318	3872	0.5	763317.976888		ug/L
Cr	52	3658	2617	102	3.9	-0.001660	-1.7229	ug/L
Cr	53	21604	3025	138	4.6	-0.026085	-184.0938	ug/L
Cu	65	36	106	7	6.6	0.000116	0.3198	ug/L
Cu	63	38	208	10	4.7	0.000287	0.3200	ug/L
> Ge	74	540384	581656	1786	0.3	581656.439866		ug/L
As	75	-96	4	61	1391.3	0.000184	0.1123	ug/L
As-1	75	2889	3087	107	3.5	-0.000039	0.7664	ug/L
Se	77	1993	86	10	11.8	-0.001659	-182.2736	ug/L
Se	82	13	-7	12	171.9	-0.000017	-0.7567	ug/L
Ag	107	23	529	29	5.5	0.000420	0.6839	ug/L
Ag	109	21	358	13	3.5	0.000280	0.4551	ug/L
Cd	111	11	64	15	23.1	0.000043	0.3233	ug/L
Cd	114	28	29	9	30.7	-0.000000	0.0081	ug/L
> In	115	1151262	1202137	1881	0.2	1202136.822315		ug/L
Sb	121	56	198	10	4.9	0.000116	0.2969	ug/L
> Tm	169	804781	792912	10451	1.3	792912.250115		ug/L
Tl	205	6	12	6	46.8	0.000008	0.0015	ug/L
Pb	208	72	133	14	10.4	0.000078	0.0194	ug/L
C	13	20307	19976	175	0.9	-331.398939		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	106.163
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	107.638
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	104.419
Sb	121	
> Tm	169	98.525
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122317-BLK3

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 15:24:51

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 127

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122288-BLK3.046

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	2	12.5	0.000000	-0.0212	ug/L
> Sc	45	719009	763632	1651	0.2	763631.687617		ug/L
Cr	52	3658	2248	153	6.8	-0.002145	-2.1583	ug/L
Cr	53	21604	2327	121	5.2	-0.027000	-190.4246	ug/L
Cu	65	36	100	12	12.4	0.000106	0.2984	ug/L
Cu	63	38	198	11	5.5	0.000269	0.3011	ug/L
> Ge	74	540384	581901	941	0.2	581901.312568		ug/L
As	75	-96	4	14	349.5	0.000184	0.1115	ug/L
As-1	75	2889	3114	123	4.0	0.000007	0.9538	ug/L
Se	77	1993	75	10	12.7	-0.001668	-183.3138	ug/L
Se	82	13	3	20	584.6	-0.000009	0.0677	ug/L
Ag	107	23	533	17	3.3	0.000424	0.6899	ug/L
Ag	109	21	351	11	3.1	0.000274	0.4454	ug/L
Cd	111	11	67	6	8.5	0.000046	0.3404	ug/L
Cd	114	28	28	7	24.7	-0.000001	0.0063	ug/L
> In	115	1151262	1201721	10239	0.9	1201721.285174		ug/L
Sb	121	56	204	21	10.2	0.000121	0.3118	ug/L
> Tm	169	804781	792284	4648	0.6	792284.035284		ug/L
Tl	205	6	8	5	54.1	0.000003	-0.0013	ug/L
Pb	208	72	135	6	4.5	0.000081	0.0206	ug/L
C	13	20307	19926	82	0.4	-380.507407		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	106.206
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	107.683
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	104.383
Sb	121	
> Tm	169	98.447
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122317-BLK4

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 15:27:05

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 128

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122288-BLK4.047

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	19	6	31.4	0.000003	-0.0009	ug/L
> Sc	45	719009	757252	4881	0.6	757252.462069		ug/L
Cr	52	3658	1939	43	2.2	-0.002528	-2.5016	ug/L
Cr	53	21604	2013	60	3.0	-0.027390	-193.1242	ug/L
Cu	65	36	104	13	12.9	0.000115	0.3162	ug/L
Cu	63	38	198	5	2.5	0.000273	0.3048	ug/L
> Ge	74	540384	575921	1560	0.3	575920.981414		ug/L
As	75	-96	20	61	302.8	0.000212	0.2259	ug/L
As-1	75	2889	3080	94	3.1	0.000003	0.9386	ug/L
Se	77	1993	68	13	19.3	-0.001674	-183.9223	ug/L
Se	82	13	-9	18	190.7	-0.000019	-0.9505	ug/L
Ag	107	23	528	27	5.2	0.000424	0.6905	ug/L
Ag	109	21	342	19	5.6	0.000269	0.4381	ug/L
Cd	111	11	61	18	29.4	0.000042	0.3104	ug/L
Cd	114	28	31	3	9.2	0.000001	0.0127	ug/L
> In	115	1151262	1190300	1167	0.1	1190300.160565		ug/L
Sb	121	56	190	12	6.4	0.000111	0.2844	ug/L
> Tm	169	804781	789565	5599	0.7	789565.409772		ug/L
Tl	205	6	7	3	43.8	0.000002	-0.0020	ug/L
Pb	208	72	133	4	2.7	0.000079	0.0198	ug/L
C	13	20307	19951	167	0.8	-356.119899		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	105.319
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	106.576
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	103.391
Sb	121	
> Tm	169	98.109
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122317-BS1

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 15:29:18

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 129

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122288-BS1.048

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	344	16	4.6	0.000433	3.0623	ug/L
> Sc	45	719009	756790	3279	0.4	756790.150948		ug/L
Cr	52	3658	81404	216	0.3	0.102479	91.6952	ug/L
Cr	53	21604	11133	72	0.7	-0.015336	-109.7042	ug/L
Cu	65	36	6322	94	1.5	0.010953	23.9798	ug/L
Cu	63	38	13024	74	0.6	0.022632	23.9731	ug/L
> Ge	74	540384	573689	1668	0.3	573689.307690		ug/L
As	75	-96	12512	84	0.7	0.021987	90.5402	ug/L
As-1	75	2889	15394	137	0.9	0.021488	89.8800	ug/L
Se	77	1993	606	35	5.8	-0.001221	-133.9822	ug/L
Se	82	13	723	24	3.3	0.000597	58.1899	ug/L
Ag	107	23	8244	133	1.6	0.006922	11.1501	ug/L
Ag	109	21	8144	71	0.9	0.006839	11.0802	ug/L
Cd	111	11	454	29	6.4	0.000372	2.8074	ug/L
Cd	114	28	922	29	3.1	0.000751	2.4282	ug/L
> In	115	1151262	1187672	6730	0.6	1187672.484420		ug/L
Sb	121	56	256	17	6.8	0.000167	0.4308	ug/L
> Tm	169	804781	788628	2280	0.3	788628.222402		ug/L
Tl	205	6	10	4	36.3	0.000005	-0.0003	ug/L
Pb	208	72	5091	121	2.4	0.006366	2.6128	ug/L
C	13	20307	20066	106	0.5	-240.867268		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	105.255
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	106.163
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	103.163
Sb	121	
> Tm	169	97.993
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122317-SRM1

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 15:31:31

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 130

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122288-SRM1.049

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	20	4	19.3	0.000005	0.0094	ug/L
> Sc	45	719009	753192	3889	0.5	753192.111998		ug/L
Cr	52	3658	26164	13	0.1	0.029650	26.3634	ug/L
Cr	53	21604	4523	44	1.0	-0.024042	-169.9556	ug/L
Cu	65	36	26989	71	0.3	0.047506	103.7870	ug/L
Cu	63	38	55665	225	0.4	0.098046	103.8050	ug/L
> Ge	74	540384	567348	3176	0.6	567347.540161		ug/L
As	75	-96	3144	33	1.1	0.005718	23.0629	ug/L
As-1	75	2889	6019	46	0.8	0.005264	22.7175	ug/L
Se	77	1993	78	5	6.0	-0.001664	-182.8200	ug/L
Se	82	13	40	6	15.3	0.000022	3.0459	ug/L
Ag	107	23	3394	17	0.5	0.002876	4.6377	ug/L
Ag	109	21	3231	21	0.7	0.002739	4.4384	ug/L
Cd	111	11	397	4	1.0	0.000329	2.4814	ug/L
Cd	114	28	799	29	3.6	0.000657	2.1237	ug/L
> In	115	1151262	1171892	7415	0.6	1171891.890453		ug/L
Sb	121	56	5444	82	1.5	0.004597	12.0180	ug/L
> Tm	169	804781	782070	2018	0.3	782070.000935		ug/L
Tl	205	6	350	10	2.8	0.000440	0.2411	ug/L
Pb	208	72	320518	2062	0.6	0.409741	168.9772	ug/L
C	13	20307	20026	159	0.8	-281.289076		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	104.754
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	104.990
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	101.792
Sb	121	
> Tm	169	97.178
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 0944029-98RE2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 15:34:02

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 131

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\0944029-98RE2.050

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	19	8	39.2	0.000005	0.0076	ug/L
> Sc	45	719009	747527	7250	1.0	747526.817681		ug/L
Cr	52	3658	3768	65	1.7	-0.000048	-0.2768	ug/L
Cr	53	21604	1808	83	4.6	-0.027627	-194.7697	ug/L
Cu	65	36	2123	77	3.6	0.003718	8.1827	ug/L
Cu	63	38	4263	79	1.9	0.007527	7.9835	ug/L
> Ge	74	540384	561138	3369	0.6	561137.720068		ug/L
As	75	-96	3226	18	0.6	0.005927	23.9303	ug/L
As-1	75	2889	6176	29	0.5	0.005662	24.3643	ug/L
Se	77	1993	73	9	12.8	-0.001668	-183.3008	ug/L
Se	82	13	25	19	74.2	0.000010	1.9012	ug/L
Ag	107	23	485	21	4.4	0.000398	0.6479	ug/L
Ag	109	21	319	16	5.0	0.000257	0.4178	ug/L
Cd	111	11	266	16	5.8	0.000219	1.6465	ug/L
Cd	114	28	468	17	3.6	0.000378	1.2272	ug/L
> In	115	1151262	1162485	8067	0.7	1162484.844111		ug/L
Sb	121	56	1209	27	2.2	0.000992	2.5879	ug/L
> Tm	169	804781	779611	8773	1.1	779610.653998		ug/L
Tl	205	6	325	21	6.3	0.000410	0.2241	ug/L
Pb	208	72	520	2	0.3	0.000578	0.2256	ug/L
C	13	20307	20117	85	0.4	-189.754638		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	103.966
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	103.841
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	100.975
Sb	121	
> Tm	169	96.872
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122317-MS4

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 15:36:17

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 132

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122288-MS4.051

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	573	33	5.8	0.000739	5.2395	ug/L
> Sc	45	719009	754096	4833	0.6	754095.889509		ug/L
Cr	52	3658	90246	640	0.7	0.114588	102.5581	ug/L
Cr	53	21604	12025	154	1.3	-0.014101	-101.1515	ug/L
Cu	65	36	7527	38	0.5	0.013273	29.0445	ug/L
Cu	63	38	15455	86	0.6	0.027317	28.9327	ug/L
> Ge	74	540384	564338	2364	0.4	564337.783731		ug/L
As	75	-96	16910	203	1.2	0.030140	124.3559	ug/L
As-1	75	2889	19586	308	1.6	0.029361	122.4726	ug/L
Se	77	1993	703	18	2.6	-0.001132	-124.1609	ug/L
Se	82	13	812	15	1.9	0.000680	66.1402	ug/L
Ag	107	23	8422	44	0.5	0.007157	11.5291	ug/L
Ag	109	21	8279	209	2.5	0.007037	11.4015	ug/L
Cd	111	11	610	9	1.5	0.000510	3.8486	ug/L
Cd	114	28	1255	25	2.0	0.001045	3.3718	ug/L
> In	115	1151262	1173447	5160	0.4	1173446.733398		ug/L
Sb	121	56	1264	36	2.8	0.001028	2.6835	ug/L
> Tm	169	804781	783952	5218	0.7	783952.305203		ug/L
Tl	205	6	352	26	7.4	0.000442	0.2417	ug/L
Pb	208	72	5814	37	0.6	0.007327	3.0092	ug/L
C	13	20307	20096	116	0.6	-210.800876		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	104.880
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	104.433
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	101.927
Sb	121	
> Tm	169	97.412
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246033-05RE2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 15:38:31

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 133

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1246033-05RE2.052

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	18	5	25.5	0.000002	-0.0105	ug/L
> Sc	45	719009	757200	1846	0.2	757200.023514		ug/L
Cr	52	3658	1904	69	3.6	-0.002573	-2.5422	ug/L
Cr	53	21604	1403	38	2.7	-0.028194	-198.6902	ug/L
Cu	65	36	236	19	8.2	0.000343	0.8147	ug/L
Cu	63	38	482	17	3.6	0.000767	0.8274	ug/L
> Ge	74	540384	576364	3232	0.6	576364.048300		ug/L
As	75	-96	11	33	304.2	0.000196	0.1607	ug/L
As-1	75	2889	3143	52	1.7	0.000108	1.3731	ug/L
Se	77	1993	63	10	15.3	-0.001679	-184.4387	ug/L
Se	82	13	-6	6	96.4	-0.000017	-0.7015	ug/L
Ag	107	23	552	32	5.8	0.000440	0.7161	ug/L
Ag	109	21	371	11	3.0	0.000290	0.4725	ug/L
Cd	111	11	63	6	9.6	0.000042	0.3153	ug/L
Cd	114	28	29	8	28.1	-0.000000	0.0085	ug/L
> In	115	1151262	1201115	5167	0.4	1201115.105939		ug/L
Sb	121	56	188	19	10.2	0.000108	0.2755	ug/L
> Tm	169	804781	791352	1077	0.1	791351.861958		ug/L
Tl	205	6	8	2	25.0	0.000003	-0.0013	ug/L
Pb	208	72	246	6	2.6	0.000222	0.0787	ug/L
C	13	20307	20093	132	0.7	-213.807369		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	105.312
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	106.658
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	104.330
Sb	121	
> Tm	169	98.331
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246033-01RE2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 15:40:45

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 134

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1246033-01RE2.053

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	19	4	19.0	0.000004	0.0017	ug/L
> Sc	45	719009	760073	11403	1.5	760072.640114		ug/L
Cr	52	3658	4908	47	1.0	0.001370	0.9952	ug/L
Cr	53	21604	1666	16	1.0	-0.027855	-196.3415	ug/L
Cu	65	36	6652	41	0.6	0.011642	25.4837	ug/L
Cu	63	38	13805	395	2.9	0.024224	25.6588	ug/L
> Ge	74	540384	568198	6628	1.2	568198.424604		ug/L
As	75	-96	3746	37	1.0	0.006770	27.4280	ug/L
As-1	75	2889	6748	29	0.4	0.006532	27.9654	ug/L
Se	77	1993	71	7	9.9	-0.001671	-183.5730	ug/L
Se	82	13	4	2	54.1	-0.000009	0.0978	ug/L
Ag	107	23	530	22	4.1	0.000428	0.6967	ug/L
Ag	109	21	358	13	3.5	0.000284	0.4627	ug/L
Cd	111	11	197	21	10.5	0.000157	1.1790	ug/L
Cd	114	28	353	16	4.4	0.000274	0.8918	ug/L
> In	115	1151262	1182777	15576	1.3	1182777.327337		ug/L
Sb	121	56	2487	40	1.6	0.002054	5.3667	ug/L
> Tm	169	804781	783001	8571	1.1	783000.808487		ug/L
Tl	205	6	267	11	4.1	0.000334	0.1822	ug/L
Pb	208	72	376	10	2.8	0.000391	0.1484	ug/L
C	13	20307	20421	247	1.2	114.257365		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	105.711
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	105.147
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	102.737
Sb	121	
> Tm	169	97.294
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV2

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 15:43:01

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCV2.054

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	540	8	1.4	0.000706	1.0009	ug/L
> Sc	45	719009	742786	7631	1.0	742786.063679		ug/L
Cr	52	3658	57381	251	0.4	0.072167	12.9008	ug/L
Cr	53	21604	23767	987	4.2	0.001960	2.0003	ug/L
Cu	65	36	6749	105	1.6	0.012127	5.3088	ug/L
Cu	63	38	13931	247	1.8	0.025097	5.3167	ug/L
> Ge	74	540384	553519	6067	1.1	553518.784666		ug/L
As	75	-96	3427	138	4.0	0.006370	5.1536	ug/L
As-1	75	2889	6158	115	1.9	0.005781	4.9718	ug/L
Se	77	1993	2304	24	1.1	0.000204	4.6001	ug/L
Se	82	13	614	40	6.5	0.000504	9.8400	ug/L
Ag	107	23	3812	103	2.7	0.003183	1.0262	ug/L
Ag	109	21	3766	65	1.7	0.003144	1.0191	ug/L
Cd	111	11	424	7	1.7	0.000346	0.5220	ug/L
Cd	114	28	957	26	2.7	0.000779	0.5034	ug/L
> In	115	1151262	1190791	13640	1.1	1190790.508971		ug/L
Sb	121	56	2525	61	2.4	0.002072	1.0825	ug/L
> Tm	169	804781	823342	12361	1.5	823341.723942		ug/L
Tl	205	6	1928	43	2.2	0.002334	0.2582	ug/L
Pb	208	72	25722	182	0.7	0.031154	2.5672	ug/L
C	13	20307	18981	103	0.5	-1325.860338		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	103.307
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	102.431
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	103.434
Sb	121	
> Tm	169	102.306
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB2

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 15:45:18

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCB2.055

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	18	3	18.2	0.000003	-0.0004	ug/L
> Sc	45	719009	721020	8138	1.1	721019.680778		ug/L
Cr	52	3658	3337	113	3.4	-0.000458	-0.1290	ug/L
Cr	53	21604	19608	912	4.7	-0.002841	-4.6451	ug/L
Cu	65	36	33	4	12.5	-0.000005	0.0112	ug/L
Cu	63	38	49	5	10.4	0.000021	0.0075	ug/L
> Ge	74	540384	542949	5683	1.0	542948.573047		ug/L
As	75	-96	-154	160	103.9	-0.000104	-0.2167	ug/L
As-1	75	2889	2649	182	6.9	-0.000463	-0.1984	ug/L
Se	77	1993	1856	50	2.7	-0.000144	-3.0662	ug/L
Se	82	13	11	10	98.0	-0.000002	0.1363	ug/L
Ag	107	23	40	8	20.5	0.000014	0.0061	ug/L
Ag	109	21	42	12	28.9	0.000018	0.0062	ug/L
Cd	111	11	11	4	36.4	-0.000000	-0.0015	ug/L
Cd	114	28	26	4	14.3	-0.000003	0.0000	ug/L
> In	115	1151262	1169770	5753	0.5	1169769.898799		ug/L
Sb	121	56	64	6	8.8	0.000006	0.0021	ug/L
> Tm	169	804781	809804	2829	0.3	809804.384552		ug/L
Tl	205	6	3	1	34.6	-0.000003	-0.0010	ug/L
Pb	208	72	75	4	4.8	0.000003	-0.0023	ug/L
C	13	20307	18491	113	0.6	-1815.534582		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	100.280
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	100.475
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	101.608
Sb	121	
> Tm	169	100.624
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122317-DUP1

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 15:47:36

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 135

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122288-DUP1.056

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	19	4	21.1	0.000005	0.0106	ug/L
> Sc	45	719009	723099	1888	0.3	723099.484012		ug/L
Cr	52	3658	31868	237	0.7	0.038983	34.7360	ug/L
Cr	53	21604	7137	555	7.8	-0.020179	-143.2167	ug/L
Cu	65	36	29554	161	0.5	0.053792	117.5127	ug/L
Cu	63	38	60783	58	0.1	0.110699	117.1996	ug/L
> Ge	74	540384	548736	883	0.2	548735.960223		ug/L
As	75	-96	3370	82	2.4	0.006317	25.5501	ug/L
As-1	75	2889	6229	19	0.3	0.006007	25.7916	ug/L
Se	77	1993	103	4	3.9	-0.001640	-180.2135	ug/L
Se	82	13	29	6	20.9	0.000014	2.2797	ug/L
Ag	107	23	3186	24	0.8	0.002780	4.4826	ug/L
Ag	109	21	2994	7	0.2	0.002613	4.2354	ug/L
Cd	111	11	380	16	4.1	0.000324	2.4405	ug/L
Cd	114	28	767	16	2.1	0.000649	2.0991	ug/L
> In	115	1151262	1137962	7340	0.6	1137962.220548		ug/L
Sb	121	56	5154	75	1.5	0.004481	11.7144	ug/L
> Tm	169	804781	769783	3609	0.5	769783.448680		ug/L
Tl	205	6	355	11	3.1	0.000455	0.2489	ug/L
Pb	208	72	348992	2150	0.6	0.453276	186.9326	ug/L
C	13	20307	18995	148	0.8	-1311.496633		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	100.569
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	101.546
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	98.845
Sb	121	
> Tm	169	95.651
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122317-MS1

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 15:49:49

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 136

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122288-MS1.057

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	531	7	1.4	0.000710	5.0349	ug/L
> Sc	45	719009	725661	2263	0.3	725661.065484		ug/L
Cr	52	3658	116806	499	0.4	0.155876	139.5958	ug/L
Cr	53	21604	16112	287	1.8	-0.007845	-57.8585	ug/L
Cu	65	36	35144	442	1.3	0.064204	140.2445	ug/L
Cu	63	38	72023	181	0.3	0.131649	139.3760	ug/L
> Ge	74	540384	546818	5378	1.0	546817.671999		ug/L
As	75	-96	14316	261	1.8	0.026356	108.6626	ug/L
As-1	75	2889	17064	118	0.7	0.025862	107.9910	ug/L
Se	77	1993	661	16	2.4	-0.001147	-125.8215	ug/L
Se	82	13	769	44	5.7	0.000668	64.9064	ug/L
Ag	107	23	10537	182	1.7	0.009290	14.9624	ug/L
Ag	109	21	10562	130	1.2	0.009314	15.0891	ug/L
Cd	111	11	649	15	2.3	0.000564	4.2530	ug/L
Cd	114	28	1357	42	3.1	0.001174	3.7885	ug/L
> In	115	1151262	1131812	5185	0.5	1131811.573521		ug/L
Sb	121	56	5446	39	0.7	0.004763	12.4523	ug/L
> Tm	169	804781	763137	3430	0.4	763137.272304		ug/L
Tl	205	6	370	11	3.0	0.000477	0.2615	ug/L
Pb	208	72	399869	2627	0.7	0.523889	216.0553	ug/L
C	13	20307	19564	197	1.0	-742.624814		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	100.925
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	101.191
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	98.311
Sb	121	
> Tm	169	94.825
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246033-02RE2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 15:52:04

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 137

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1246033-02RE2.058

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	20	2	10.2	0.000007	0.0232	ug/L
> Sc	45	719009	724731	4055	0.6	724731.132616		ug/L
Cr	52	3658	7279	14	0.2	0.004955	4.2111	ug/L
Cr	53	21604	2625	97	3.7	-0.026424	-186.4423	ug/L
Cu	65	36	14947	142	1.0	0.027165	59.3762	ug/L
Cu	63	38	30889	62	0.2	0.056207	59.5155	ug/L
> Ge	74	540384	548881	4400	0.8	548881.309377		ug/L
As	75	-96	2117	42	2.0	0.004034	16.0784	ug/L
As-1	75	2889	5018	115	2.3	0.003796	16.6402	ug/L
Se	77	1993	78	9	11.4	-0.001663	-182.6789	ug/L
Se	82	13	14	15	108.2	0.000000	0.9420	ug/L
Ag	107	23	4243	98	2.3	0.003687	5.9426	ug/L
Ag	109	21	4037	55	1.4	0.003508	5.6854	ug/L
Cd	111	11	228	3	1.3	0.000189	1.4231	ug/L
Cd	114	28	393	36	9.1	0.000319	1.0355	ug/L
> In	115	1151262	1144659	5635	0.5	1144659.299060		ug/L
Sb	121	56	8017	46	0.6	0.006955	18.1862	ug/L
> Tm	169	804781	766737	1778	0.2	766737.133329		ug/L
Tl	205	6	284	11	3.9	0.000363	0.1983	ug/L
Pb	208	72	47816	286	0.6	0.062274	25.6709	ug/L
C	13	20307	19386	111	0.6	-921.007309		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	100.796
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	101.573
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	99.427
Sb	121	
> Tm	169	95.273
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246033-03RE2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 15:54:19

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 138

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1246033-03RE2.059

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	18	1	3.3	0.000003	-0.0032	ug/L
> Sc	45	719009	725370	3621	0.5	725370.090344		ug/L
Cr	52	3658	4998	111	2.2	0.001802	1.3825	ug/L
Cr	53	21604	2101	70	3.3	-0.027152	-191.4758	ug/L
Cu	65	36	49382	249	0.5	0.089854	196.2473	ug/L
Cu	63	38	102555	320	0.3	0.186671	197.6211	ug/L
> Ge	74	540384	549180	1771	0.3	549180.373778		ug/L
As	75	-96	2433	50	2.1	0.004607	18.4580	ug/L
As-1	75	2889	5346	104	2.0	0.004389	19.0969	ug/L
Se	77	1993	66	17	25.2	-0.001673	-183.8054	ug/L
Se	82	13	7	15	221.7	-0.000006	0.3572	ug/L
Ag	107	23	2888	33	1.2	0.002503	4.0362	ug/L
Ag	109	21	2731	7	0.3	0.002367	3.8372	ug/L
Cd	111	11	918	37	4.0	0.000792	5.9761	ug/L
Cd	114	28	2056	53	2.6	0.001771	5.7105	ug/L
> In	115	1151262	1144912	3931	0.3	1144911.832230		ug/L
Sb	121	56	4997	21	0.4	0.004316	11.2835	ug/L
> Tm	169	804781	770653	3918	0.5	770653.469803		ug/L
Tl	205	6	279	15	5.5	0.000355	0.1937	ug/L
Pb	208	72	62557	507	0.8	0.081087	33.4301	ug/L
C	13	20307	19334	84	0.4	-972.784253		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	100.885
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	101.628
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	99.448
Sb	121	
> Tm	169	95.759
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246033-04RE2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 15:56:34

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 139

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1246033-04RE2.060

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	22	2	9.6	0.000009	0.0365	ug/L
> Sc	45	719009	723860	5450	0.8	723860.465444		ug/L
Cr	52	3658	13971	177	1.3	0.014212	12.5152	ug/L
Cr	53	21604	2975	44	1.5	-0.025937	-183.0691	ug/L
Cu	65	36	31736	101	0.3	0.058243	127.2306	ug/L
Cu	63	38	65356	202	0.3	0.120008	127.0532	ug/L
> Ge	74	540384	544290	3863	0.7	544290.436632		ug/L
As	75	-96	2920	21	0.7	0.005541	22.3300	ug/L
As-1	75	2889	5844	48	0.8	0.005392	23.2475	ug/L
Se	77	1993	66	3	4.6	-0.001673	-183.7695	ug/L
Se	82	13	20	5	25.5	0.000006	1.4591	ug/L
Ag	107	23	1931	44	2.3	0.001675	2.7046	ug/L
Ag	109	21	1775	29	1.6	0.001540	2.4964	ug/L
Cd	111	11	297	7	2.4	0.000251	1.8900	ug/L
Cd	114	28	552	33	6.0	0.000460	1.4906	ug/L
> In	115	1151262	1139167	5577	0.5	1139167.005017		ug/L
Sb	121	56	9718	128	1.3	0.008482	22.1795	ug/L
> Tm	169	804781	761825	8177	1.1	761825.234983		ug/L
Tl	205	6	251	31	12.2	0.000322	0.1753	ug/L
Pb	208	72	161070	1592	1.0	0.211344	87.1521	ug/L
C	13	20307	19523	218	1.1	-783.712672		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	100.675
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	100.723
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	98.949
Sb	121	
> Tm	169	94.662
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246033-06RE2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 15:58:48

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 140

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1246033-06RE2.061

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	22	3	12.0	0.000009	0.0378	ug/L
> Sc	45	719009	731180	5142	0.7	731180.088589		ug/L
Cr	52	3658	22785	187	0.8	0.026074	23.1562	ug/L
Cr	53	21604	3918	46	1.2	-0.024688	-174.4263	ug/L
Cu	65	36	66931	163	0.2	0.122244	266.9652	ug/L
Cu	63	38	137386	459	0.3	0.250988	265.7052	ug/L
> Ge	74	540384	547237	2072	0.4	547236.628346		ug/L
As	75	-96	3374	68	2.0	0.006343	25.6579	ug/L
As-1	75	2889	6274	77	1.2	0.006120	26.2630	ug/L
Se	77	1993	76	12	15.1	-0.001663	-182.7665	ug/L
Se	82	13	33	9	26.5	0.000018	2.5954	ug/L
Ag	107	23	8475	114	1.3	0.007458	12.0123	ug/L
Ag	109	21	8291	85	1.0	0.007297	11.8222	ug/L
Cd	111	11	466	11	2.4	0.000401	3.0254	ug/L
Cd	114	28	993	22	2.2	0.000852	2.7513	ug/L
> In	115	1151262	1133456	6565	0.6	1133456.314209		ug/L
Sb	121	56	7832	120	1.5	0.006862	17.9419	ug/L
> Tm	169	804781	769862	3423	0.4	769861.628846		ug/L
Tl	205	6	497	35	7.0	0.000639	0.3512	ug/L
Pb	208	72	1240349	2927	0.2	1.611070	664.4433	ug/L
C	13	20307	19462	191	1.0	-844.509910		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	101.693
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	101.268
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	98.453
Sb	121	
> Tm	169	95.661
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246033-07RE2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 16:01:03

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 141

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1246033-07RE2.062

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	6	35.2	0.000001	-0.0147	ug/L
> Sc	45	719009	734058	3654	0.5	734057.588399		ug/L
Cr	52	3658	4461	111	2.5	0.000989	0.6535	ug/L
Cr	53	21604	1637	24	1.5	-0.027817	-196.0843	ug/L
Cu	65	36	23965	223	0.9	0.043343	94.6979	ug/L
Cu	63	38	49497	373	0.8	0.089586	94.8494	ug/L
> Ge	74	540384	552080	1790	0.3	552080.003324		ug/L
As	75	-96	1828	53	2.9	0.003488	13.8161	ug/L
As-1	75	2889	4716	53	1.1	0.003196	14.1569	ug/L
Se	77	1993	65	8	12.4	-0.001674	-183.9688	ug/L
Se	82	13	22	8	34.8	0.000008	1.6745	ug/L
Ag	107	23	3739	42	1.1	0.003244	5.2288	ug/L
Ag	109	21	3533	34	1.0	0.003066	4.9680	ug/L
Cd	111	11	316	7	2.1	0.000266	2.0014	ug/L
Cd	114	28	609	13	2.1	0.000507	1.6401	ug/L
> In	115	1151262	1145817	4224	0.4	1145816.634664		ug/L
Sb	121	56	3776	146	3.9	0.003247	8.4868	ug/L
> Tm	169	804781	768000	3614	0.5	768000.360661		ug/L
Tl	205	6	179	8	4.2	0.000226	0.1219	ug/L
Pb	208	72	91417	464	0.5	0.118944	49.0434	ug/L
C	13	20307	19382	89	0.5	-925.350047		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	102.093
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	102.164
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	99.527
Sb	121	
> Tm	169	95.430
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246033-61RE2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 16:03:17

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 142

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1246033-61RE2.063

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	3	15.1	0.000001	-0.0169	ug/L
> Sc	45	719009	743126	1676	0.2	743126.464237		ug/L
Cr	52	3658	2318	60	2.6	-0.001969	-2.0000	ug/L
Cr	53	21604	1320	9	0.7	-0.028271	-199.2249	ug/L
Cu	65	36	319	14	4.4	0.000507	1.1725	ug/L
Cu	63	38	608	38	6.3	0.001020	1.0959	ug/L
> Ge	74	540384	557477	1734	0.3	557476.505822		ug/L
As	75	-96	1496	38	2.6	0.002861	11.2145	ug/L
As-1	75	2889	4428	40	0.9	0.002597	11.6782	ug/L
Se	77	1993	68	8	11.9	-0.001672	-183.6975	ug/L
Se	82	13	16	11	69.6	0.000003	1.1537	ug/L
Ag	107	23	357	11	3.0	0.000288	0.4712	ug/L
Ag	109	21	234	10	4.4	0.000184	0.2998	ug/L
Cd	111	11	45	8	17.0	0.000029	0.2121	ug/L
Cd	114	28	25	5	20.0	-0.000003	0.0004	ug/L
> In	115	1151262	1160400	2476	0.2	1160399.851500		ug/L
Sb	121	56	855	27	3.2	0.000688	1.7941	ug/L
> Tm	169	804781	779049	3110	0.4	779049.279652		ug/L
Tl	205	6	11	4	32.8	0.000007	0.0007	ug/L
Pb	208	72	862	57	6.6	0.001017	0.4065	ug/L
C	13	20307	19319	17	0.1	-988.150451		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	103.354
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	103.163
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	100.794
Sb	121	
> Tm	169	96.803
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122317-DUP2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 16:05:32

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 143

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122288-DUP2.064

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	13	5	40.0	-0.000004	-0.0525	ug/L
> Sc	45	719009	744713	4663	0.6	744712.660413		ug/L
Cr	52	3658	2227	39	1.8	-0.002098	-2.1159	ug/L
Cr	53	21604	1216	21	1.7	-0.028414	-200.2127	ug/L
Cu	65	36	363	12	3.4	0.000580	1.3331	ug/L
Cu	63	38	684	1	0.1	0.001149	1.2320	ug/L
> Ge	74	540384	561105	2277	0.4	561104.912077		ug/L
As	75	-96	1606	24	1.5	0.003039	11.9546	ug/L
As-1	75	2889	4530	72	1.6	0.002727	12.2152	ug/L
Se	77	1993	74	8	10.6	-0.001667	-183.1714	ug/L
Se	82	13	11	12	108.7	-0.000002	0.7335	ug/L
Ag	107	23	345	50	14.6	0.000277	0.4532	ug/L
Ag	109	21	228	5	2.2	0.000178	0.2909	ug/L
Cd	111	11	48	8	16.1	0.000032	0.2354	ug/L
Cd	114	28	36	9	24.8	0.000006	0.0295	ug/L
> In	115	1151262	1162379	1835	0.2	1162378.577638		ug/L
Sb	121	56	1015	17	1.7	0.000825	2.1516	ug/L
> Tm	169	804781	773065	2884	0.4	773064.624292		ug/L
Tl	205	6	14	2	10.7	0.000011	0.0032	ug/L
Pb	208	72	862	28	3.3	0.001025	0.4100	ug/L
C	13	20307	19580	179	0.9	-726.924638		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	103.575
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	103.835
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	100.966
Sb	121	
> Tm	169	96.059
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122317-MS2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 16:07:46

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 144

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122288-MS2.065

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	508	15	2.9	0.000663	4.6992	ug/L
> Sc	45	719009	742470	3765	0.5	742469.977181		ug/L
Cr	52	3658	78606	555	0.7	0.100784	90.1750	ug/L
Cr	53	21604	10286	72	0.7	-0.016194	-115.6372	ug/L
Cu	65	36	3003	87	2.9	0.005312	11.6645	ug/L
Cu	63	38	6095	21	0.3	0.010848	11.4990	ug/L
> Ge	74	540384	558279	3602	0.6	558278.548818		ug/L
As	75	-96	7910	86	1.1	0.014345	58.8434	ug/L
As-1	75	2889	10735	169	1.6	0.013882	58.3961	ug/L
Se	77	1993	529	32	6.1	-0.001273	-139.7838	ug/L
Se	82	13	620	34	5.5	0.000525	51.2603	ug/L
Ag	107	23	6994	93	1.3	0.006032	9.7173	ug/L
Ag	109	21	6764	80	1.2	0.005834	9.4530	ug/L
Cd	111	11	295	20	6.8	0.000245	1.8486	ug/L
Cd	114	28	585	24	4.1	0.000481	1.5590	ug/L
> In	115	1151262	1155710	4705	0.4	1155710.196037		ug/L
Sb	121	56	776	18	2.4	0.000623	1.6223	ug/L
> Tm	169	804781	771205	3820	0.5	771204.711357		ug/L
Tl	205	6	1730	29	1.7	0.002237	1.2374	ug/L
Pb	208	72	5611	123	2.2	0.007187	2.9514	ug/L
C	13	20307	19368	161	0.8	-939.045193		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	103.263
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	103.312
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	100.386
Sb	121	
> Tm	169	95.828
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV3

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 16:10:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCV3.066

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	557	47	8.3	0.000765	1.0847	ug/L
> Sc	45	719009	708770	16205	2.3	708770.124226		ug/L
Cr	52	3658	54505	637	1.2	0.071826	12.8396	ug/L
Cr	53	21604	20553	1122	5.5	-0.001018	-2.1212	ug/L
Cu	65	36	6395	43	0.7	0.011934	5.2245	ug/L
Cu	63	38	13386	335	2.5	0.025047	5.3060	ug/L
> Ge	74	540384	532944	4967	0.9	532943.556863		ug/L
As	75	-96	3195	244	7.6	0.006174	4.9912	ug/L
As-1	75	2889	5838	189	3.2	0.005611	4.8312	ug/L
Se	77	1993	2023	40	2.0	0.000049	1.1977	ug/L
Se	82	13	598	31	5.3	0.000515	10.0567	ug/L
Ag	107	23	3714	103	2.8	0.003248	1.0472	ug/L
Ag	109	21	3694	30	0.8	0.003234	1.0482	ug/L
Cd	111	11	422	11	2.7	0.000362	0.5450	ug/L
Cd	114	28	941	58	6.1	0.000803	0.5189	ug/L
> In	115	1151262	1136414	27243	2.4	1136414.395882		ug/L
Sb	121	56	2426	31	1.3	0.002086	1.0903	ug/L
> Tm	169	804781	795213	9370	1.2	795213.451869		ug/L
Tl	205	6	1837	29	1.6	0.002303	0.2548	ug/L
Pb	208	72	25039	356	1.4	0.031399	2.5874	ug/L
C	13	20307	18132	252	1.4	-2175.256221		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	98.576
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	98.623
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	98.710
Sb	121	
> Tm	169	98.811
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB3

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 16:12:19

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCB3.067

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	13	3	23.1	-0.000002	-0.0083	ug/L
> Sc	45	719009	685832	2662	0.4	685831.965698		ug/L
Cr	52	3658	2795	129	4.6	-0.001013	-0.2285	ug/L
Cr	53	21604	16920	834	4.9	-0.005374	-8.1508	ug/L
Cu	65	36	31	10	31.0	-0.000006	0.0106	ug/L
Cu	63	38	47	2	4.4	0.000020	0.0075	ug/L
> Ge	74	540384	521936	2786	0.5	521936.107465		ug/L
As	75	-96	-29	115	397.9	0.000121	-0.0299	ug/L
As-1	75	2889	2723	83	3.1	-0.000128	0.0794	ug/L
Se	77	1993	1513	34	2.2	-0.000374	-8.1392	ug/L
Se	82	13	7	4	60.0	-0.000005	0.0807	ug/L
Ag	107	23	36	8	21.0	0.000012	0.0055	ug/L
Ag	109	21	40	10	23.8	0.000018	0.0061	ug/L
Cd	111	11	11	2	21.7	-0.000000	-0.0013	ug/L
Cd	114	28	27	9	33.3	-0.000000	0.0017	ug/L
> In	115	1151262	1115982	15019	1.3	1115981.541454		ug/L
Sb	121	56	54	13	24.1	-0.000000	-0.0014	ug/L
> Tm	169	804781	785964	9402	1.2	785964.377572		ug/L
Tl	205	6	4	2	43.3	-0.000002	-0.0009	ug/L
Pb	208	72	73	15	20.7	0.000003	-0.0023	ug/L
C	13	20307	17737	297	1.7	-2569.698990		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	95.386
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	96.586
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	96.936
Sb	121	
> Tm	169	97.662
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246033-63RE2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 16:14:37

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 145

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1246033-63RE2.068

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	18	3	14.7	0.000004	0.0065	ug/L
> Sc	45	719009	699783	3191	0.5	699783.109636		ug/L
Cr	52	3658	2505	42	1.7	-0.001508	-1.5871	ug/L
Cr	53	21604	3584	445	12.4	-0.024923	-176.0551	ug/L
Cu	65	36	5141	54	1.1	0.009659	21.1557	ug/L
Cu	63	38	10792	132	1.2	0.020346	21.5536	ug/L
> Ge	74	540384	528608	1500	0.3	528608.005195		ug/L
As	75	-96	457	35	7.6	0.001041	3.6648	ug/L
As-1	75	2889	3247	14	0.4	0.000797	4.2265	ug/L
Se	77	1993	96	23	23.8	-0.001645	-180.6869	ug/L
Se	82	13	14	6	43.2	0.000001	1.0110	ug/L
Ag	107	23	616	25	4.0	0.000535	0.8685	ug/L
Ag	109	21	485	32	6.5	0.000418	0.6799	ug/L
Cd	111	11	86	9	10.3	0.000068	0.5055	ug/L
Cd	114	28	92	15	15.8	0.000058	0.1960	ug/L
> In	115	1151262	1111402	12122	1.1	1111402.463454		ug/L
Sb	121	56	590	9	1.4	0.000482	1.2555	ug/L
> Tm	169	804781	758005	5531	0.7	758005.019102		ug/L
Tl	205	6	14	4	27.7	0.000011	0.0029	ug/L
Pb	208	72	8326	112	1.3	0.010895	4.4808	ug/L
C	13	20307	17729	360	2.0	-2577.713086		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	97.326
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	97.821
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	96.538
Sb	121	
> Tm	169	94.188
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246033-64RE2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 16:16:51

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 146

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1246033-64RE2.069

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	3	17.6	0.000003	-0.0012	ug/L
> Sc	45	719009	703875	2173	0.3	703875.111626		ug/L
Cr	52	3658	2817	60	2.1	-0.001085	-1.2076	ug/L
Cr	53	21604	2488	123	4.9	-0.026513	-187.0551	ug/L
Cu	65	36	2600	27	1.0	0.004804	10.5549	ug/L
Cu	63	38	5295	13	0.2	0.009849	10.4414	ug/L
> Ge	74	540384	533814	598	0.1	533813.979297		ug/L
As	75	-96	336	19	5.8	0.000806	2.6926	ug/L
As-1	75	2889	3162	48	1.5	0.000578	3.3182	ug/L
Se	77	1993	68	4	6.4	-0.001669	-183.3957	ug/L
Se	82	13	-1	2	325.9	-0.000012	-0.2551	ug/L
Ag	107	23	445	34	7.7	0.000384	0.6256	ug/L
Ag	109	21	296	17	5.8	0.000250	0.4068	ug/L
Cd	111	11	72	11	15.0	0.000055	0.4141	ug/L
Cd	114	28	64	18	27.5	0.000033	0.1161	ug/L
> In	115	1151262	1103295	10726	1.0	1103295.013767		ug/L
Sb	121	56	327	6	1.8	0.000248	0.6429	ug/L
> Tm	169	804781	747734	8996	1.2	747733.762949		ug/L
Tl	205	6	11	4	39.0	0.000007	0.0008	ug/L
Pb	208	72	38414	604	1.6	0.051285	21.1386	ug/L
C	13	20307	18536	215	1.2	-1770.775682		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	97.895
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	98.784
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	95.834
Sb	121	
> Tm	169	92.911
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246033-65RE2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 16:19:04

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 147

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1246033-65RE2.070

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	32	11	34.1	0.000023	0.1418	ug/L
> Sc	45	719009	724197	3379	0.5	724196.803758		ug/L
Cr	52	3658	2357	106	4.5	-0.001833	-1.8779	ug/L
Cr	53	21604	2031	28	1.4	-0.027243	-192.1060	ug/L
Cu	65	36	4900	18	0.4	0.008979	19.6707	ug/L
Cu	63	38	9982	92	0.9	0.018355	19.4458	ug/L
> Ge	74	540384	541766	1355	0.3	541765.683129		ug/L
As	75	-96	268	23	8.6	0.000671	2.1311	ug/L
As-1	75	2889	3104	53	1.7	0.000384	2.5174	ug/L
Se	77	1993	66	5	7.6	-0.001672	-183.7157	ug/L
Se	82	13	3	5	151.1	-0.000009	0.0852	ug/L
Ag	107	23	469	31	6.7	0.000398	0.6482	ug/L
Ag	109	21	324	23	7.0	0.000270	0.4397	ug/L
Cd	111	11	126	10	8.0	0.000102	0.7656	ug/L
Cd	114	28	226	8	3.4	0.000176	0.5770	ug/L
> In	115	1151262	1123925	404	0.0	1123925.032104		ug/L
Sb	121	56	6257	79	1.3	0.005519	14.4282	ug/L
> Tm	169	804781	757829	7895	1.0	757828.902428		ug/L
Tl	205	6	16	2	12.5	0.000014	0.0046	ug/L
Pb	208	72	16942	75	0.4	0.022268	9.1711	ug/L
C	13	20307	18863	55	0.3	-1443.772324		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	100.722
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	100.256
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	97.626
Sb	121	
> Tm	169	94.166
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246033-66RE2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 16:21:18

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 148

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1246033-66RE2.071

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	12	3	25.0	-0.000005	-0.0590	ug/L
> Sc	45	719009	726377	1510	0.2	726376.889442		ug/L
Cr	52	3658	2051	24	1.2	-0.002265	-2.2656	ug/L
Cr	53	21604	1671	42	2.5	-0.027747	-195.6003	ug/L
Cu	65	36	154	3	2.0	0.000211	0.5267	ug/L
Cu	63	38	308	7	2.2	0.000485	0.5292	ug/L
> Ge	74	540384	554761	209	0.0	554760.942779		ug/L
As	75	-96	1242	49	3.9	0.002415	9.3650	ug/L
As-1	75	2889	4142	54	1.3	0.002120	9.7035	ug/L
Se	77	1993	60	7	11.7	-0.001678	-184.4265	ug/L
Se	82	13	-9	11	122.2	-0.000019	-0.9268	ug/L
Ag	107	23	477	30	6.2	0.000396	0.6444	ug/L
Ag	109	21	318	27	8.4	0.000259	0.4214	ug/L
Cd	111	11	61	4	5.9	0.000043	0.3227	ug/L
Cd	114	28	32	5	16.8	0.000003	0.0194	ug/L
> In	115	1151262	1147834	1963	0.2	1147834.186281		ug/L
Sb	121	56	407	7	1.8	0.000306	0.7951	ug/L
> Tm	169	804781	764847	7212	0.9	764846.659088		ug/L
Tl	205	6	9	2	19.2	0.000005	-0.0006	ug/L
Pb	208	72	2757	30	1.1	0.003515	1.4369	ug/L
C	13	20307	19149	109	0.6	-1157.507779		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	101.025
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	102.661
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	99.702
Sb	121	
> Tm	169	95.038
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246033-67RE2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 16:23:33

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 149

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1246033-67RE2.072

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	16	4	26.6	0.000000	-0.0240	ug/L
> Sc	45	719009	731293	3036	0.4	731292.736257		ug/L
Cr	52	3658	2155	26	1.2	-0.002141	-2.1544	ug/L
Cr	53	21604	1528	65	4.3	-0.027958	-197.0589	ug/L
Cu	65	36	170	3	1.5	0.000240	0.5904	ug/L
Cu	63	38	344	25	7.1	0.000551	0.5993	ug/L
> Ge	74	540384	554200	2553	0.5	554200.477869		ug/L
As	75	-96	1004	73	7.3	0.001989	7.5962	ug/L
As-1	75	2889	3925	117	3.0	0.001737	8.1166	ug/L
Se	77	1993	74	16	22.2	-0.001666	-183.0790	ug/L
Se	82	13	4	7	170.6	-0.000008	0.1672	ug/L
Ag	107	23	421	16	3.9	0.000348	0.5672	ug/L
Ag	109	21	281	13	4.6	0.000227	0.3700	ug/L
Cd	111	11	56	14	25.2	0.000039	0.2875	ug/L
Cd	114	28	26	13	48.5	-0.000002	0.0030	ug/L
> In	115	1151262	1147349	9030	0.8	1147348.988078		ug/L
Sb	121	56	407	30	7.3	0.000306	0.7949	ug/L
> Tm	169	804781	765350	2744	0.4	765350.052207		ug/L
Tl	205	6	10	7	64.4	0.000006	0.0004	ug/L
Pb	208	72	804	20	2.4	0.000961	0.3834	ug/L
C	13	20307	19139	64	0.3	-1167.529134		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	101.708
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	102.557
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	99.660
Sb	121	
> Tm	169	95.100
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246033-68RE2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 16:25:48

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 150

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1246033-68RE2.073

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	1	6.9	0.000002	-0.0135	ug/L
> Sc	45	719009	727730	2609	0.4	727729.738667		ug/L
Cr	52	3658	2282	168	7.3	-0.001953	-1.9857	ug/L
Cr	53	21604	1425	65	4.6	-0.028088	-197.9602	ug/L
Cu	65	36	1864	68	3.6	0.003318	7.3101	ug/L
Cu	63	38	3845	21	0.6	0.006910	7.3311	ug/L
> Ge	74	540384	550841	3064	0.6	550841.005013		ug/L
As	75	-96	291	21	7.1	0.000705	2.2744	ug/L
As-1	75	2889	3225	29	0.9	0.000509	3.0317	ug/L
Se	77	1993	61	10	16.6	-0.001677	-184.2914	ug/L
Se	82	13	-7	11	167.2	-0.000017	-0.7611	ug/L
Ag	107	23	416	24	5.7	0.000346	0.5641	ug/L
Ag	109	21	268	29	10.7	0.000217	0.3531	ug/L
Cd	111	11	68	13	19.3	0.000049	0.3695	ug/L
Cd	114	28	64	16	25.0	0.000032	0.1116	ug/L
> In	115	1151262	1139728	5038	0.4	1139728.052882		ug/L
Sb	121	56	297	5	1.7	0.000212	0.5492	ug/L
> Tm	169	804781	757001	4774	0.6	757001.424934		ug/L
Tl	205	6	12	3	26.2	0.000008	0.0014	ug/L
Pb	208	72	22194	220	1.0	0.029229	12.0423	ug/L
C	13	20307	19205	156	0.8	-1101.723160		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	101.213
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	101.935
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	98.998
Sb	121	
> Tm	169	94.063
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122317-DUP3

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 16:28:03

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 151

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122288-DUP3.074

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	23	4	19.0	0.000010	0.0471	ug/L
> Sc	45	719009	731959	4681	0.6	731958.674192		ug/L
Cr	52	3658	2510	19	0.8	-0.001658	-1.7217	ug/L
Cr	53	21604	1359	32	2.4	-0.028190	-198.6613	ug/L
Cu	65	36	2117	21	1.0	0.003797	8.3570	ug/L
Cu	63	38	4282	79	1.8	0.007742	8.2119	ug/L
> Ge	74	540384	548058	2982	0.5	548058.474628		ug/L
As	75	-96	326	71	21.8	0.000773	2.5545	ug/L
As-1	75	2889	3187	92	2.9	0.000471	2.8751	ug/L
Se	77	1993	59	18	30.1	-0.001679	-184.4938	ug/L
Se	82	13	4	4	93.2	-0.000008	0.1659	ug/L
Ag	107	23	419	14	3.4	0.000347	0.5663	ug/L
Ag	109	21	306	24	7.8	0.000249	0.4061	ug/L
Cd	111	11	67	4	6.2	0.000049	0.3620	ug/L
Cd	114	28	48	3	6.2	0.000017	0.0650	ug/L
> In	115	1151262	1142744	9395	0.8	1142744.417108		ug/L
Sb	121	56	298	11	3.8	0.000212	0.5489	ug/L
> Tm	169	804781	760744	3405	0.4	760744.309030		ug/L
Tl	205	6	8	4	45.1	0.000003	-0.0013	ug/L
Pb	208	72	26480	400	1.5	0.034717	14.3057	ug/L
C	13	20307	19371	71	0.4	-936.373607		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	101.801
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	101.420
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	99.260
Sb	121	
> Tm	169	94.528
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122317-MS3

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 16:30:17

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 152

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122288-MS3.075

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	553	24	4.3	0.000734	5.2052	ug/L
> Sc	45	719009	732215	1744	0.2	732214.839260		ug/L
Cr	52	3658	82810	357	0.4	0.108009	96.6559	ug/L
Cr	53	21604	10876	97	0.9	-0.015193	-108.7143	ug/L
Cu	65	36	6548	77	1.2	0.011835	25.9054	ug/L
Cu	63	38	13297	77	0.6	0.024094	25.5213	ug/L
> Ge	74	540384	550259	2130	0.4	550259.496731		ug/L
As	75	-96	9706	166	1.7	0.017816	73.2422	ug/L
As-1	75	2889	12530	142	1.1	0.017425	73.0614	ug/L
Se	77	1993	612	8	1.4	-0.001191	-130.7220	ug/L
Se	82	13	684	44	6.4	0.000592	57.6476	ug/L
Ag	107	23	7750	61	0.8	0.006817	10.9812	ug/L
Ag	109	21	7496	46	0.6	0.006595	10.6852	ug/L
Cd	111	11	339	18	5.4	0.000289	2.1797	ug/L
Cd	114	28	667	21	3.2	0.000564	1.8240	ug/L
> In	115	1151262	1133521	6333	0.6	1133520.539757		ug/L
Sb	121	56	311	3	1.0	0.000226	0.5853	ug/L
> Tm	169	804781	758182	2352	0.3	758182.098139		ug/L
Tl	205	6	9	2	16.4	0.000005	-0.0003	ug/L
Pb	208	72	37773	137	0.4	0.049732	20.4981	ug/L
C	13	20307	19266	99	0.5	-1040.928597		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	101.837
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	101.828
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	98.459
Sb	121	
> Tm	169	94.210
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246033-62RE2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 16:32:32

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 153

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1246033-62RE2.076

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	19	4	19.6	0.000005	0.0108	ug/L
> Sc	45	719009	734415	3865	0.5	734415.196003		ug/L
Cr	52	3658	7168	78	1.1	0.004673	3.9579	ug/L
Cr	53	21604	1776	56	3.1	-0.027629	-194.7806	ug/L
Cu	65	36	3953	48	1.2	0.007017	15.3869	ug/L
Cu	63	38	8297	98	1.2	0.014798	15.6812	ug/L
> Ge	74	540384	558053	2600	0.5	558053.111611		ug/L
As	75	-96	4461	49	1.1	0.008171	33.2374	ug/L
As-1	75	2889	7375	67	0.9	0.007870	33.5074	ug/L
Se	77	1993	69	4	5.2	-0.001671	-183.5827	ug/L
Se	82	13	23	7	29.3	0.000008	1.6892	ug/L
Ag	107	23	487	27	5.4	0.000403	0.6569	ug/L
Ag	109	21	310	38	12.1	0.000251	0.4083	ug/L
Cd	111	11	70	13	18.9	0.000051	0.3825	ug/L
Cd	114	28	45	7	14.6	0.000015	0.0565	ug/L
> In	115	1151262	1151224	4546	0.4	1151223.841354		ug/L
Sb	121	56	26611	221	0.8	0.023066	60.3250	ug/L
> Tm	169	804781	765389	2775	0.4	765389.152709		ug/L
Tl	205	6	770	11	1.5	0.000999	0.5509	ug/L
Pb	208	72	1055	39	3.7	0.001288	0.5186	ug/L
C	13	20307	19406	31	0.2	-901.299075		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	102.143
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	103.270
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	99.997
Sb	121	
> Tm	169	95.105
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122317-SRM2

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 16:34:46

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 154

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122288-SRM2.077

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	21	6	26.6	0.000007	0.0234	ug/L
> Sc	45	719009	734886	10335	1.4	734885.689715		ug/L
Cr	52	3658	4875	279	5.7	0.001543	1.1506	ug/L
Cr	53	21604	1474	46	3.1	-0.028041	-197.6310	ug/L
Cu	65	36	6651	108	1.6	0.012067	26.4121	ug/L
Cu	63	38	13687	212	1.6	0.024898	26.3722	ug/L
> Ge	74	540384	548179	6687	1.2	548179.312183		ug/L
As	75	-96	3242	50	1.5	0.006093	24.6176	ug/L
As-1	75	2889	6136	56	0.9	0.005849	25.1383	ug/L
Se	77	1993	63	1	1.8	-0.001675	-184.0491	ug/L
Se	82	13	15	9	61.2	0.000001	1.0440	ug/L
Ag	107	23	487	14	2.9	0.000409	0.6654	ug/L
Ag	109	21	335	6	1.8	0.000276	0.4494	ug/L
Cd	111	11	211	17	8.0	0.000176	1.3220	ug/L
Cd	114	28	370	17	4.7	0.000300	0.9762	ug/L
> In	115	1151262	1137308	12561	1.1	1137308.322006		ug/L
Sb	121	56	1865	50	2.7	0.001591	4.1558	ug/L
> Tm	169	804781	753836	12296	1.6	753836.096587		ug/L
Tl	205	6	231	17	7.5	0.000299	0.1627	ug/L
Pb	208	72	3621	90	2.5	0.004713	1.9311	ug/L
C	13	20307	19394	420	2.2	-913.318263		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	102.208
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	101.443
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	98.788
Sb	121	
> Tm	169	93.670
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV4

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 16:37:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCV4.078

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	536	25	4.7	0.000756	1.0723	ug/L
> Sc	45	719009	689637	20328	2.9	689636.927918		ug/L
Cr	52	3658	53076	1101	2.1	0.071887	12.8506	ug/L
Cr	53	21604	21731	1123	5.2	0.001467	1.3178	ug/L
Cu	65	36	6206	158	2.5	0.011877	5.1994	ug/L
Cu	63	38	12997	322	2.5	0.024942	5.2838	ug/L
> Ge	74	540384	519652	14154	2.7	519651.820040		ug/L
As	75	-96	3154	214	6.8	0.006253	5.0569	ug/L
As-1	75	2889	5772	130	2.3	0.005772	4.9639	ug/L
Se	77	1993	2256	99	4.4	0.000291	6.5199	ug/L
Se	82	13	556	25	4.4	0.000487	9.5198	ug/L
Ag	107	23	3593	127	3.5	0.003201	1.0320	ug/L
Ag	109	21	3582	33	0.9	0.003194	1.0351	ug/L
Cd	111	11	407	43	10.5	0.000354	0.5339	ug/L
Cd	114	28	962	32	3.3	0.000838	0.5413	ug/L
> In	115	1151262	1115716	33230	3.0	1115716.021277		ug/L
Sb	121	56	2369	72	3.0	0.002076	1.0846	ug/L
> Tm	169	804781	773341	26783	3.5	773340.995901		ug/L
Tl	205	6	1748	95	5.4	0.002252	0.2491	ug/L
Pb	208	72	24046	597	2.5	0.031013	2.5556	ug/L
C	13	20307	18041	573	3.2	-2265.759656		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	95.915
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	96.164
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	96.912
Sb	121	
> Tm	169	96.093
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB4

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 16:39:19

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCB4.079

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	16	1	7.1	0.000002	-0.0014	ug/L
> Sc	45	719009	686933	7921	1.2	686933.115271		ug/L
Cr	52	3658	3183	35	1.1	-0.000454	-0.1282	ug/L
Cr	53	21604	18299	856	4.7	-0.003396	-5.4134	ug/L
Cu	65	36	28	3	11.3	-0.000012	0.0080	ug/L
Cu	63	38	45	6	13.3	0.000016	0.0065	ug/L
> Ge	74	540384	524687	4574	0.9	524686.985984		ug/L
As	75	-96	-108	301	278.8	-0.000029	-0.1541	ug/L
As-1	75	2889	2515	323	12.9	-0.000552	-0.2715	ug/L
Se	77	1993	1783	85	4.8	-0.000138	-2.9389	ug/L
Se	82	13	-9	13	138.7	-0.000020	-0.1930	ug/L
Ag	107	23	38	13	35.4	0.000014	0.0060	ug/L
Ag	109	21	38	13	33.6	0.000016	0.0056	ug/L
Cd	111	11	10	6	53.3	-0.000001	-0.0017	ug/L
Cd	114	28	20	9	44.1	-0.000007	-0.0024	ug/L
> In	115	1151262	1119598	9701	0.9	1119597.573553		ug/L
Sb	121	56	61	7	11.4	0.000006	0.0019	ug/L
> Tm	169	804781	782735	8497	1.1	782734.573668		ug/L
Tl	205	6	6	3	44.1	0.000001	-0.0006	ug/L
Pb	208	72	71	18	25.6	0.000002	-0.0024	ug/L
C	13	20307	17501	200	1.1	-2806.158355		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	95.539
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	97.095
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	97.250
Sb	121	
> Tm	169	97.261
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122317-SRM3

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 16:41:37

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 155

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122288-SRM3.080

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	16	3	16.5	0.000002	-0.0120	ug/L
> Sc	45	719009	692544	5460	0.8	692544.378767		ug/L
Cr	52	3658	3272	93	2.8	-0.000365	-0.5610	ug/L
Cr	53	21604	3535	515	14.6	-0.024946	-176.2134	ug/L
Cu	65	36	1221	23	1.9	0.002231	4.9368	ug/L
Cu	63	38	2409	55	2.3	0.004462	4.7395	ug/L
> Ge	74	540384	531527	3206	0.6	531526.622724		ug/L
As	75	-96	2117	34	1.6	0.004160	16.6035	ug/L
As-1	75	2889	4837	43	0.9	0.003754	16.4667	ug/L
Se	77	1993	81	16	19.4	-0.001657	-182.0938	ug/L
Se	82	13	-1	16	2347.9	-0.000012	-0.2569	ug/L
Ag	107	23	484	5	1.1	0.000421	0.6854	ug/L
Ag	109	21	329	7	2.2	0.000281	0.4575	ug/L
Cd	111	11	120	12	10.2	0.000099	0.7441	ug/L
Cd	114	28	133	6	4.4	0.000097	0.3207	ug/L
> In	115	1151262	1098190	2265	0.2	1098189.739889		ug/L
Sb	121	56	2047	72	3.5	0.001815	4.7425	ug/L
> Tm	169	804781	749273	4779	0.6	749272.846646		ug/L
Tl	205	6	225	5	2.0	0.000294	0.1597	ug/L
Pb	208	72	372	9	2.3	0.000407	0.1551	ug/L
C	13	20307	18057	158	0.9	-2250.406978		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	96.319
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	98.361
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	95.390
Sb	121	
> Tm	169	93.103
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122317-SRM4

Sample Description: 5x

Batch ID: B122317

Sample Date/Time: Saturday, December 08, 2012 16:43:51

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 156

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122288-SRM4.081

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	15	2	13.6	0.000001	-0.0194	ug/L
> Sc	45	719009	694421	3837	0.6	694420.905624		ug/L
Cr	52	3658	3558	92	2.6	0.000035	-0.2021	ug/L
Cr	53	21604	2419	111	4.6	-0.026564	-187.4118	ug/L
Cu	65	36	1612	41	2.6	0.002982	6.5776	ug/L
Cu	63	38	3287	123	3.7	0.006145	6.5208	ug/L
> Ge	74	540384	528830	2047	0.4	528830.465424		ug/L
As	75	-96	2685	42	1.6	0.005254	21.1387	ug/L
As-1	75	2889	5458	13	0.2	0.004976	21.5237	ug/L
Se	77	1993	78	2	2.7	-0.001660	-182.3482	ug/L
Se	82	13	4	4	120.1	-0.000008	0.1230	ug/L
Ag	107	23	489	25	5.1	0.000428	0.6973	ug/L
Ag	109	21	324	18	5.6	0.000278	0.4528	ug/L
Cd	111	11	129	12	9.0	0.000109	0.8156	ug/L
Cd	114	28	187	18	9.4	0.000146	0.4806	ug/L
> In	115	1151262	1091876	3871	0.4	1091875.744297		ug/L
Sb	121	56	2650	29	1.1	0.002378	6.2143	ug/L
> Tm	169	804781	742402	11305	1.5	742402.478322		ug/L
Tl	205	6	320	28	8.7	0.000425	0.2324	ug/L
Pb	208	72	455	20	4.3	0.000524	0.2033	ug/L
C	13	20307	18136	230	1.3	-2171.248617		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	96.580
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	97.862
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	94.842
Sb	121	
> Tm	169	92.249
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122318-BLK1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 16:46:05

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 157

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122120-BLK1.082

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	16	3	15.4	0.000002	-0.0112	ug/L
> Sc	45	719009	702760	6073	0.9	702759.625427		ug/L
Cr	52	3658	1979	24	1.2	-0.002272	-2.2723	ug/L
Cr	53	21604	1798	99	5.5	-0.027490	-193.8181	ug/L
Cu	65	36	94	14	14.9	0.000109	0.3050	ug/L
Cu	63	38	183	9	5.0	0.000271	0.3024	ug/L
> Ge	74	540384	535890	1316	0.2	535889.978685		ug/L
As	75	-96	24	39	163.1	0.000221	0.2662	ug/L
As-1	75	2889	2843	86	3.0	-0.000041	0.7561	ug/L
Se	77	1993	57	6	9.8	-0.001680	-184.5855	ug/L
Se	82	13	-10	7	71.1	-0.000020	-1.0484	ug/L
Ag	107	23	498	17	3.3	0.000425	0.6915	ug/L
Ag	109	21	316	4	1.3	0.000264	0.4297	ug/L
Cd	111	11	65	6	8.4	0.000048	0.3614	ug/L
Cd	114	28	33	5	16.1	0.000005	0.0250	ug/L
> In	115	1151262	1121303	6271	0.6	1121303.158399		ug/L
Sb	121	56	233	6	2.8	0.000159	0.4111	ug/L
> Tm	169	804781	760413	5736	0.8	760412.922715		ug/L
Tl	205	6	10	7	68.9	0.000006	-0.0001	ug/L
Pb	208	72	147	6	4.2	0.000104	0.0300	ug/L
C	13	20307	18049	211	1.2	-2258.088159		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	97.740
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	99.168
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	97.398
Sb	121	
> Tm	169	94.487
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122318-BLK2

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 16:48:19

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 158

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122120-BLK2.083

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	13	5	36.5	-0.000003	-0.0490	ug/L
> Sc	45	719009	705970	4280	0.6	705969.657200		ug/L
Cr	52	3658	1756	108	6.2	-0.002601	-2.5672	ug/L
Cr	53	21604	1550	71	4.6	-0.027852	-196.3255	ug/L
Cu	65	36	102	9	9.2	0.000125	0.3390	ug/L
Cu	63	38	202	11	5.4	0.000306	0.3400	ug/L
> Ge	74	540384	535727	1531	0.3	535727.496676		ug/L
As	75	-96	9	37	392.1	0.000194	0.1545	ug/L
As-1	75	2889	2810	25	0.9	-0.000101	0.5090	ug/L
Se	77	1993	60	6	10.1	-0.001677	-184.2974	ug/L
Se	82	13	-16	8	48.0	-0.000025	-1.5299	ug/L
Ag	107	23	506	31	6.1	0.000429	0.6980	ug/L
Ag	109	21	325	16	4.8	0.000270	0.4391	ug/L
Cd	111	11	63	14	22.9	0.000046	0.3426	ug/L
Cd	114	28	33	3	9.0	0.000005	0.0241	ug/L
> In	115	1151262	1128815	3729	0.3	1128815.004765		ug/L
Sb	121	56	201	11	5.5	0.000129	0.3319	ug/L
> Tm	169	804781	763955	3657	0.5	763955.263291		ug/L
Tl	205	6	7	2	24.7	0.000002	-0.0020	ug/L
Pb	208	72	127	8	6.0	0.000077	0.0190	ug/L
C	13	20307	18025	107	0.6	-2281.803015		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	98.187
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	99.138
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	98.050
Sb	121	
> Tm	169	94.927
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122318-BLK3

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 16:50:33

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 159

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122120-BLK3.084

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	16	1	6.3	0.000001	-0.0150	ug/L
> Sc	45	719009	705402	2079	0.3	705401.540049		ug/L
Cr	52	3658	2069	51	2.5	-0.002155	-2.1675	ug/L
Cr	53	21604	1414	97	6.8	-0.028043	-197.6462	ug/L
Cu	65	36	79	9	11.7	0.000081	0.2427	ug/L
Cu	63	38	160	6	4.0	0.000227	0.2558	ug/L
> Ge	74	540384	539941	2412	0.4	539940.913257		ug/L
As	75	-96	73	7	9.9	0.000312	0.6437	ug/L
As-1	75	2889	2855	79	2.8	-0.000058	0.6853	ug/L
Se	77	1993	43	5	11.6	-0.001693	-185.9770	ug/L
Se	82	13	-3	3	95.8	-0.000014	-0.4235	ug/L
Ag	107	23	459	25	5.4	0.000388	0.6329	ug/L
Ag	109	21	291	34	11.6	0.000240	0.3914	ug/L
Cd	111	11	60	8	13.2	0.000043	0.3239	ug/L
Cd	114	28	25	11	44.2	-0.000002	0.0020	ug/L
> In	115	1151262	1125411	7296	0.6	1125411.082459		ug/L
Sb	121	56	154	20	12.9	0.000088	0.2239	ug/L
> Tm	169	804781	766540	3163	0.4	766540.064407		ug/L
Tl	205	6	7	4	51.5	0.000002	-0.0021	ug/L
Pb	208	72	134	25	18.5	0.000086	0.0226	ug/L
C	13	20307	18035	194	1.1	-2272.116207		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	98.108
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	99.918
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	97.755
Sb	121	
> Tm	169	95.248
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122318-BLK4

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 16:52:46

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 160

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122120-BLK4.085

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	16	6	36.3	0.000001	-0.0177	ug/L
> Sc	45	719009	701687	1763	0.3	701686.888802		ug/L
Cr	52	3658	1851	8	0.4	-0.002450	-2.4321	ug/L
Cr	53	21604	1278	17	1.4	-0.028226	-198.9144	ug/L
Cu	65	36	84	4	4.5	0.000092	0.2680	ug/L
Cu	63	38	160	22	13.8	0.000231	0.2604	ug/L
> Ge	74	540384	532166	639	0.1	532166.476886		ug/L
As	75	-96	38	46	118.5	0.000249	0.3815	ug/L
As-1	75	2889	2890	69	2.4	0.000085	1.2781	ug/L
Se	77	1993	50	8	15.2	-0.001686	-185.2041	ug/L
Se	82	13	-6	21	365.1	-0.000017	-0.6834	ug/L
Ag	107	23	453	16	3.6	0.000387	0.6310	ug/L
Ag	109	21	316	11	3.6	0.000266	0.4325	ug/L
Cd	111	11	53	6	10.8	0.000038	0.2831	ug/L
Cd	114	28	30	8	27.2	0.000003	0.0179	ug/L
> In	115	1151262	1113204	2375	0.2	1113204.215060		ug/L
Sb	121	56	147	25	16.6	0.000084	0.2130	ug/L
> Tm	169	804781	748554	4222	0.6	748553.565756		ug/L
Tl	205	6	10	1	11.9	0.000006	0.0000	ug/L
Pb	208	72	114	7	6.1	0.000063	0.0131	ug/L
C	13	20307	18380	58	0.3	-1927.428155		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	97.591
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	98.479
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	96.694
Sb	121	
> Tm	169	93.013
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122318-BS1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 16:55:00

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 201

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122120-BS1.086

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	220	18	8.3	0.000292	2.0549	ug/L
> Sc	45	719009	701653	4820	0.7	701653.441242		ug/L
Cr	52	3658	67691	672	1.0	0.091385	81.7433	ug/L
Cr	53	21604	9027	92	1.0	-0.017182	-122.4791	ug/L
Cu	65	36	5500	39	0.7	0.010226	22.3922	ug/L
Cu	63	38	11073	153	1.4	0.020651	21.8770	ug/L
> Ge	74	540384	534382	1051	0.2	534381.605632		ug/L
As	75	-96	18891	231	1.2	0.035528	146.7046	ug/L
As-1	75	2889	21531	236	1.1	0.034946	145.5963	ug/L
Se	77	1993	478	18	3.8	-0.001303	-143.0471	ug/L
Se	82	13	569	26	4.6	0.000498	48.6192	ug/L
Ag	107	23	7558	73	1.0	0.006748	10.8703	ug/L
Ag	109	21	7383	71	1.0	0.006592	10.6811	ug/L
Cd	111	11	390	20	5.2	0.000339	2.5580	ug/L
Cd	114	28	772	34	4.4	0.000666	2.1544	ug/L
> In	115	1151262	1116772	4001	0.4	1116771.535993		ug/L
Sb	121	56	189	12	6.4	0.000120	0.3088	ug/L
> Tm	169	804781	754377	10757	1.4	754376.820063		ug/L
Tl	205	6	2517	96	3.8	0.003329	1.8433	ug/L
Pb	208	72	4226	84	2.0	0.005514	2.2615	ug/L
C	13	20307	18295	75	0.4	-2012.265604		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	97.586
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	98.889
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	97.004
Sb	121	
> Tm	169	93.737
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122318-SRM1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 16:57:14

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 202

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122120-SRM1.087

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	14	2	10.7	-0.000001	-0.0317	ug/L
> Sc	45	719009	704597	1257	0.2	704597.188726		ug/L
Cr	52	3658	4932	54	1.1	0.001911	1.4804	ug/L
Cr	53	21604	1473	17	1.2	-0.027956	-197.0436	ug/L
Cu	65	36	6203	58	0.9	0.011584	25.3570	ug/L
Cu	63	38	12582	57	0.5	0.023558	24.9543	ug/L
> Ge	74	540384	532476	685	0.1	532476.180661		ug/L
As	75	-96	3294	52	1.6	0.006364	25.7432	ug/L
As-1	75	2889	6006	36	0.6	0.005933	25.4885	ug/L
Se	77	1993	54	8	13.8	-0.001681	-184.7548	ug/L
Se	82	13	11	11	93.7	-0.000001	0.7852	ug/L
Ag	107	23	488	19	3.8	0.000423	0.6888	ug/L
Ag	109	21	351	31	8.7	0.000301	0.4896	ug/L
Cd	111	11	189	20	10.4	0.000161	1.2143	ug/L
Cd	114	28	306	19	6.2	0.000253	0.8245	ug/L
> In	115	1151262	1101390	10110	0.9	1101390.059281		ug/L
Sb	121	56	1707	46	2.7	0.001501	3.9209	ug/L
> Tm	169	804781	755500	4601	0.6	755500.203613		ug/L
Tl	205	6	245	4	1.6	0.000318	0.1730	ug/L
Pb	208	72	505	39	7.8	0.000579	0.2259	ug/L
C	13	20307	18329	253	1.4	-1977.526929		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	97.996
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	98.537
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	95.668
Sb	121	
> Tm	169	93.876
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 0944029-99

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 16:59:28

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 203

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\0944029-99.088

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	21	3	12.2	0.000008	0.0339	ug/L
> Sc	45	719009	699260	2518	0.4	699259.577260		ug/L
Cr	52	3658	3636	110	3.0	0.000111	-0.1342	ug/L
Cr	53	21604	1289	17	1.3	-0.028204	-198.7571	ug/L
Cu	65	36	2293	45	1.9	0.004282	9.4147	ug/L
Cu	63	38	4772	92	1.9	0.008979	9.5205	ug/L
> Ge	74	540384	527453	3984	0.8	527452.848670		ug/L
As	75	-96	3251	37	1.2	0.006341	25.6479	ug/L
As-1	75	2889	5907	52	0.9	0.005853	25.1560	ug/L
Se	77	1993	62	0	0.0	-0.001674	-183.9573	ug/L
Se	82	13	37	6	14.9	0.000022	3.0403	ug/L
Ag	107	23	463	18	3.9	0.000403	0.6560	ug/L
Ag	109	21	307	20	6.4	0.000262	0.4264	ug/L
Cd	111	11	268	24	8.9	0.000234	1.7639	ug/L
Cd	114	28	482	7	1.5	0.000415	1.3440	ug/L
> In	115	1151262	1096837	11015	1.0	1096837.392073		ug/L
Sb	121	56	1583	19	1.2	0.001395	3.6425	ug/L
> Tm	169	804781	752144	6675	0.9	752144.429857		ug/L
Tl	205	6	304	9	3.0	0.000397	0.2171	ug/L
Pb	208	72	639	25	3.9	0.000760	0.3008	ug/L
C	13	20307	18252	105	0.6	-2055.017881		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	97.253
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	97.607
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	95.273
Sb	121	
> Tm	169	93.459
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122318-MS5

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:01:42

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 204

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122120-MS5.089

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	451	22	4.8	0.000631	4.4734	ug/L
> Sc	45	719009	691047	4678	0.7	691047.388601		ug/L
Cr	52	3658	71195	1145	1.6	0.097933	87.6173	ug/L
Cr	53	21604	9290	74	0.8	-0.016603	-118.4712	ug/L
Cu	65	36	7332	40	0.6	0.013977	30.5832	ug/L
Cu	63	38	14928	271	1.8	0.028520	30.2065	ug/L
> Ge	74	540384	522099	3382	0.6	522099.208406		ug/L
As	75	-96	26209	268	1.0	0.050376	208.2852	ug/L
As-1	75	2889	28757	254	0.9	0.049733	206.8101	ug/L
Se	77	1993	460	7	1.6	-0.001307	-143.5422	ug/L
Se	82	13	537	38	7.0	0.000483	47.1830	ug/L
Ag	107	23	6964	66	1.0	0.006383	10.2830	ug/L
Ag	109	21	6740	105	1.6	0.006179	10.0116	ug/L
Cd	111	11	585	5	0.9	0.000528	3.9827	ug/L
Cd	114	28	1228	43	3.5	0.001105	3.5655	ug/L
> In	115	1151262	1087610	8750	0.8	1087609.835875		ug/L
Sb	121	56	1587	29	1.8	0.001411	3.6844	ug/L
> Tm	169	804781	744133	5811	0.8	744133.016664		ug/L
Tl	205	6	2774	60	2.2	0.003721	2.0604	ug/L
Pb	208	72	4856	123	2.5	0.006436	2.6414	ug/L
C	13	20307	18323	124	0.7	-1983.874826		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	96.111
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	96.616
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	94.471
Sb	121	
> Tm	169	92.464
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV5

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 17:03:58

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCV5.090

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	530	23	4.4	0.000769	1.0913	ug/L
> Sc	45	719009	670925	9831	1.5	670925.173434		ug/L
Cr	52	3658	52192	412	0.8	0.072713	12.9987	ug/L
Cr	53	21604	19946	1046	5.2	-0.000300	-1.1280	ug/L
Cu	65	36	6167	71	1.1	0.011908	5.2130	ug/L
Cu	63	38	12879	210	1.6	0.024936	5.2824	ug/L
> Ge	74	540384	515068	4421	0.9	515067.918248		ug/L
As	75	-96	3186	95	3.0	0.006364	5.1487	ug/L
As-1	75	2889	5703	14	0.2	0.005727	4.9270	ug/L
Se	77	1993	1949	30	1.5	0.000037	0.9313	ug/L
Se	82	13	578	28	4.8	0.000513	10.0113	ug/L
Ag	107	23	3586	105	2.9	0.003232	1.0422	ug/L
Ag	109	21	3660	40	1.1	0.003302	1.0701	ug/L
Cd	111	11	404	36	8.9	0.000357	0.5377	ug/L
Cd	114	28	908	31	3.4	0.000799	0.5162	ug/L
> In	115	1151262	1102472	14663	1.3	1102472.348819		ug/L
Sb	121	56	2299	15	0.7	0.002037	1.0643	ug/L
> Tm	169	804781	781506	3097	0.4	781505.603189		ug/L
Tl	205	6	1833	17	0.9	0.002339	0.2588	ug/L
Pb	208	72	24290	391	1.6	0.030992	2.5538	ug/L
C	13	20307	17043	400	2.3	-3263.688670		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	93.313
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	95.315
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	95.762
Sb	121	
> Tm	169	97.108
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB5

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 17:06:15

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCB5.091

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	15	4	23.9	0.000001	-0.0037	ug/L
> Sc	45	719009	660439	4392	0.7	660438.623474		ug/L
Cr	52	3658	2014	6	0.3	-0.002039	-0.4126	ug/L
Cr	53	21604	9052	311	3.4	-0.016342	-23.3328	ug/L
Cu	65	36	26	4	16.2	-0.000015	0.0065	ug/L
Cu	63	38	38	2	4.6	0.000005	0.0042	ug/L
> Ge	74	540384	507541	6418	1.3	507540.845291		ug/L
As	75	-96	-52	188	358.3	0.000075	-0.0684	ug/L
As-1	75	2889	2589	237	9.1	-0.000243	-0.0161	ug/L
Se	77	1993	788	47	5.9	-0.001007	-22.0866	ug/L
Se	82	13	-2	8	354.4	-0.000014	-0.0796	ug/L
Ag	107	23	35	12	33.7	0.000012	0.0055	ug/L
Ag	109	21	28	9	31.7	0.000007	0.0029	ug/L
Cd	111	11	11	3	27.0	0.000001	0.0000	ug/L
Cd	114	28	29	8	27.3	0.000002	0.0032	ug/L
> In	115	1151262	1089159	11105	1.0	1089158.994960		ug/L
Sb	121	56	25	6	22.3	-0.000026	-0.0148	ug/L
> Tm	169	804781	765398	15380	2.0	765397.929231		ug/L
Tl	205	6	3	2	57.3	-0.000004	-0.0010	ug/L
Pb	208	72	81	9	11.3	0.000016	-0.0012	ug/L
C	13	20307	16550	134	0.8	-3756.937282		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	91.854
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	93.922
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	94.606
Sb	121	
> Tm	169	95.106
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-09RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:08:33

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 205

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-09RE1.092

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	20	6	28.9	0.000008	0.0346	ug/L
> Sc	45	719009	663509	849	0.1	663508.582138		ug/L
Cr	52	3658	2065	85	4.1	-0.001975	-2.0059	ug/L
Cr	53	21604	2472	249	10.1	-0.026322	-185.7317	ug/L
Cu	65	36	1581	24	1.5	0.003026	6.6721	ug/L
Cu	63	38	3145	60	1.9	0.006080	6.4523	ug/L
> Ge	74	540384	511296	2380	0.5	511295.872090		ug/L
As	75	-96	45829	293	0.6	0.089811	371.8440	ug/L
As-1	75	2889	48502	304	0.6	0.089517	371.5074	ug/L
Se	77	1993	74	9	12.5	-0.001662	-182.5692	ug/L
Se	82	13	7	6	84.0	-0.000005	0.3977	ug/L
Ag	107	23	471	39	8.2	0.000418	0.6809	ug/L
Ag	109	21	330	15	4.6	0.000288	0.4690	ug/L
Cd	111	11	83	7	7.9	0.000067	0.5016	ug/L
Cd	114	28	83	3	3.1	0.000052	0.1768	ug/L
> In	115	1151262	1075678	6668	0.6	1075678.213528		ug/L
Sb	121	56	13595	103	0.8	0.012591	32.9259	ug/L
> Tm	169	804781	747826	1282	0.2	747825.635786		ug/L
Tl	205	6	205	14	6.9	0.000267	0.1449	ug/L
Pb	208	72	7251	91	1.3	0.009607	3.9495	ug/L
C	13	20307	18543	155	0.8	-1763.762204		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	92.281
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	94.617
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	93.435
Sb	121	
> Tm	169	92.923
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122318-DUP1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:10:46

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 206

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122120-DUP1.093

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	19	2	9.1	0.000007	0.0265	ug/L
> Sc	45	719009	665854	6068	0.9	665853.953683		ug/L
Cr	52	3658	1795	135	7.5	-0.002393	-2.3803	ug/L
Cr	53	21604	1771	67	3.8	-0.027386	-193.1004	ug/L
Cu	65	36	1563	36	2.3	0.003001	6.6177	ug/L
Cu	63	38	3211	74	2.3	0.006229	6.6102	ug/L
> Ge	74	540384	509780	2996	0.6	509779.975052		ug/L
As	75	-96	46717	604	1.3	0.091816	380.1635	ug/L
As-1	75	2889	49398	509	1.0	0.091553	379.9380	ug/L
Se	77	1993	71	13	18.8	-0.001665	-182.9350	ug/L
Se	82	13	4	23	566.6	-0.000008	0.1405	ug/L
Ag	107	23	488	17	3.5	0.000435	0.7086	ug/L
Ag	109	21	315	18	5.6	0.000275	0.4482	ug/L
Cd	111	11	82	11	13.8	0.000067	0.5012	ug/L
Cd	114	28	77	5	7.1	0.000047	0.1616	ug/L
> In	115	1151262	1072655	13948	1.3	1072655.331678		ug/L
Sb	121	56	13642	218	1.6	0.012669	33.1305	ug/L
> Tm	169	804781	738955	11346	1.5	738955.261904		ug/L
Tl	205	6	204	14	6.9	0.000269	0.1462	ug/L
Pb	208	72	7505	135	1.8	0.010066	4.1388	ug/L
C	13	20307	19054	169	0.9	-1253.374956		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	92.607
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	94.337
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	93.172
Sb	121	
> Tm	169	91.821
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122318-MS1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:12:59

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 207

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122120-MS1.094

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	383	28	7.3	0.000560	3.9629	ug/L
> Sc	45	719009	658953	13634	2.1	658952.898395		ug/L
Cr	52	3658	64512	1234	1.9	0.092817	83.0286	ug/L
Cr	53	21604	8889	128	1.4	-0.016556	-118.1470	ug/L
Cu	65	36	6074	117	1.9	0.011997	26.2598	ug/L
Cu	63	38	12519	94	0.8	0.024796	26.2643	ug/L
> Ge	74	540384	503558	9593	1.9	503557.630999		ug/L
As	75	-96	64336	989	1.5	0.127947	530.0185	ug/L
As-1	75	2889	67021	1061	1.6	0.127754	529.8029	ug/L
Se	77	1993	417	21	4.9	-0.001334	-146.4650	ug/L
Se	82	13	428	5	1.2	0.000395	38.7757	ug/L
Ag	107	23	6254	221	3.5	0.005922	9.5407	ug/L
Ag	109	21	6089	175	2.9	0.005767	9.3437	ug/L
Cd	111	11	373	11	3.0	0.000345	2.5997	ug/L
Cd	114	28	752	29	3.9	0.000690	2.2295	ug/L
> In	115	1151262	1052358	19733	1.9	1052357.607045		ug/L
Sb	121	56	13071	205	1.6	0.012374	32.3592	ug/L
> Tm	169	804781	724097	16369	2.3	724096.646016		ug/L
Tl	205	6	2601	34	1.3	0.003585	1.9851	ug/L
Pb	208	72	10978	332	3.0	0.015070	6.2024	ug/L
C	13	20307	19255	68	0.4	-1051.618062		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	91.647
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	93.185
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	91.409
Sb	121	
> Tm	169	89.974
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122318-MSD1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:15:12

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 208

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122120-MSD1.095

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	418	22	5.1	0.000600	4.2478	ug/L
> Sc	45	719009	673154	3297	0.5	673154.085553		ug/L
Cr	52	3658	65501	90	0.1	0.092218	82.4908	ug/L
Cr	53	21604	8943	20	0.2	-0.016761	-119.5672	ug/L
Cu	65	36	6372	38	0.6	0.012305	26.9324	ug/L
Cu	63	38	13174	161	1.2	0.025508	27.0183	ug/L
> Ge	74	540384	515035	382	0.1	515034.797655		ug/L
As	75	-96	64113	332	0.5	0.124660	516.3860	ug/L
As-1	75	2889	66710	364	0.5	0.124179	515.0026	ug/L
Se	77	1993	437	20	4.6	-0.001328	-145.7624	ug/L
Se	82	13	483	18	3.7	0.000434	42.5532	ug/L
Ag	107	23	5752	74	1.3	0.005287	8.5189	ug/L
Ag	109	21	5537	122	2.2	0.005091	8.2484	ug/L
Cd	111	11	373	16	4.3	0.000334	2.5171	ug/L
Cd	114	28	736	9	1.2	0.000654	2.1162	ug/L
> In	115	1151262	1083969	5370	0.5	1083969.280961		ug/L
Sb	121	56	12461	136	1.1	0.011447	29.9336	ug/L
> Tm	169	804781	751078	7204	1.0	751077.653414		ug/L
Tl	205	6	2579	43	1.7	0.003427	1.8974	ug/L
Pb	208	72	11382	131	1.2	0.015065	6.2004	ug/L
C	13	20307	19101	41	0.2	-1205.609188		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	93.623
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	95.309
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	94.155
Sb	121	
> Tm	169	93.327
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-10RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:17:26

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 209

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-10RE1.096

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	6	32.8	0.000004	0.0037	ug/L
> Sc	45	719009	671199	2491	0.4	671199.014057		ug/L
Cr	52	3658	1630	98	6.0	-0.002660	-2.6200	ug/L
Cr	53	21604	1180	60	5.1	-0.028290	-199.3551	ug/L
Cu	65	36	1583	32	2.0	0.003003	6.6232	ug/L
Cu	63	38	3183	58	1.8	0.006100	6.4731	ug/L
> Ge	74	540384	515903	1210	0.2	515902.703996		ug/L
As	75	-96	50922	567	1.1	0.098880	409.4606	ug/L
As-1	75	2889	53602	652	1.2	0.098553	408.9163	ug/L
Se	77	1993	50	3	5.0	-0.001684	-185.0747	ug/L
Se	82	13	14	13	89.4	0.000001	1.0453	ug/L
Ag	107	23	496	20	4.1	0.000438	0.7123	ug/L
Ag	109	21	314	18	5.8	0.000271	0.4420	ug/L
Cd	111	11	93	10	10.4	0.000076	0.5684	ug/L
Cd	114	28	87	22	25.6	0.000055	0.1875	ug/L
> In	115	1151262	1085161	5283	0.5	1085160.603265		ug/L
Sb	121	56	15271	61	0.4	0.014025	36.6766	ug/L
> Tm	169	804781	749363	3162	0.4	749363.460817		ug/L
Tl	205	6	196	12	5.9	0.000254	0.1377	ug/L
Pb	208	72	7003	63	0.9	0.009257	3.8049	ug/L
C	13	20307	19056	100	0.5	-1251.371441		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	93.351
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	95.470
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	94.258
Sb	121	
> Tm	169	93.114
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-11RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:19:40

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 210

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-11RE1.097

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	4	25.6	0.000004	0.0049	ug/L
> Sc	45	719009	667432	1161	0.2	667432.112986		ug/L
Cr	52	3658	1913	23	1.2	-0.002221	-2.2266	ug/L
Cr	53	21604	1122	43	3.8	-0.028367	-199.8861	ug/L
Cu	65	36	1459	40	2.7	0.002775	6.1250	ug/L
Cu	63	38	3010	35	1.2	0.005791	6.1464	ug/L
> Ge	74	540384	513548	1754	0.3	513548.236948		ug/L
As	75	-96	24374	327	1.3	0.047640	196.9387	ug/L
As-1	75	2889	27080	353	1.3	0.047388	197.1013	ug/L
Se	77	1993	52	13	24.4	-0.001683	-184.9019	ug/L
Se	82	13	19	8	41.8	0.000006	1.5243	ug/L
Ag	107	23	472	29	6.2	0.000419	0.6816	ug/L
Ag	109	21	322	14	4.3	0.000281	0.4568	ug/L
Cd	111	11	71	10	14.2	0.000056	0.4216	ug/L
Cd	114	28	64	16	25.1	0.000035	0.1211	ug/L
> In	115	1151262	1076283	7831	0.7	1076282.732070		ug/L
Sb	121	56	7791	68	0.9	0.007190	18.8005	ug/L
> Tm	169	804781	742863	4263	0.6	742863.378396		ug/L
Tl	205	6	59	8	12.8	0.000072	0.0369	ug/L
Pb	208	72	4996	109	2.2	0.006635	2.7237	ug/L
C	13	20307	19412	82	0.4	-895.286048		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	92.827
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	95.034
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	93.487
Sb	121	
> Tm	169	92.306
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-12RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:21:58

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 211

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-12RE1.098

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	3	15.6	0.000004	0.0041	ug/L
> Sc	45	719009	669577	4331	0.6	669577.487326		ug/L
Cr	52	3658	1564	112	7.1	-0.002751	-2.7020	ug/L
Cr	53	21604	1039	49	4.7	-0.028495	-200.7748	ug/L
Cu	65	36	1498	17	1.1	0.002875	6.3422	ug/L
Cu	63	38	3138	78	2.5	0.006088	6.4602	ug/L
> Ge	74	540384	509460	4174	0.8	509459.700505		ug/L
As	75	-96	49681	84	0.2	0.097697	404.5538	ug/L
As-1	75	2889	52364	142	0.3	0.097441	404.3109	ug/L
Se	77	1993	49	5	9.1	-0.001685	-185.0998	ug/L
Se	82	13	4	5	118.9	-0.000008	0.1623	ug/L
Ag	107	23	467	14	3.1	0.000417	0.6792	ug/L
Ag	109	21	306	19	6.3	0.000269	0.4372	ug/L
Cd	111	11	82	10	12.3	0.000067	0.5037	ug/L
Cd	114	28	86	8	9.2	0.000056	0.1889	ug/L
> In	115	1151262	1068076	12513	1.2	1068076.137918		ug/L
Sb	121	56	14461	110	0.8	0.013491	35.2817	ug/L
> Tm	169	804781	730940	5995	0.8	730939.851299		ug/L
Tl	205	6	222	30	13.5	0.000296	0.1611	ug/L
Pb	208	72	7777	30	0.4	0.010551	4.3389	ug/L
C	13	20307	19346	107	0.6	-961.426639		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	93.125
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	94.277
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	92.774
Sb	121	
> Tm	169	90.825
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-13RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:24:12

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 212

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-13RE1.099

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	15	5	35.3	0.000001	-0.0156	ug/L
> Sc	45	719009	663324	1116	0.2	663323.819880		ug/L
Cr	52	3658	1589	114	7.1	-0.002693	-2.6494	ug/L
Cr	53	21604	941	21	2.2	-0.028629	-201.7019	ug/L
Cu	65	36	1574	37	2.4	0.003029	6.6784	ug/L
Cu	63	38	3176	27	0.9	0.006172	6.5491	ug/L
> Ge	74	540384	508790	745	0.1	508790.152135		ug/L
As	75	-96	50365	299	0.6	0.099166	410.6480	ug/L
As-1	75	2889	52942	199	0.4	0.098709	409.5626	ug/L
Se	77	1993	63	5	8.4	-0.001672	-183.6868	ug/L
Se	82	13	26	10	38.1	0.000013	2.1720	ug/L
Ag	107	23	474	20	4.1	0.000424	0.6899	ug/L
Ag	109	21	306	6	1.9	0.000269	0.4373	ug/L
Cd	111	11	97	8	8.4	0.000081	0.6048	ug/L
Cd	114	28	104	14	13.3	0.000073	0.2436	ug/L
> In	115	1151262	1067914	3199	0.3	1067914.141527		ug/L
Sb	121	56	14789	111	0.8	0.013800	36.0889	ug/L
> Tm	169	804781	736513	7667	1.0	736512.894257		ug/L
Tl	205	6	210	2	0.7	0.000279	0.1513	ug/L
Pb	208	72	7127	108	1.5	0.009587	3.9410	ug/L
C	13	20307	19190	301	1.6	-1116.752441		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	92.255
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	94.154
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	92.760
Sb	121	
> Tm	169	91.517
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-14RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:26:26

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 213

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-14RE1.100

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	22	1	5.2	0.000012	0.0611	ug/L
> Sc	45	719009	669230	839	0.1	669229.985346		ug/L
Cr	52	3658	3140	98	3.1	-0.000397	-0.5899	ug/L
Cr	53	21604	1065	40	3.8	-0.028455	-200.4994	ug/L
Cu	65	36	7809	62	0.8	0.015189	33.2286	ug/L
Cu	63	38	16037	49	0.3	0.031257	33.1042	ug/L
> Ge	74	540384	511905	977	0.2	511904.927585		ug/L
As	75	-96	68169	277	0.4	0.133344	552.4023	ug/L
As-1	75	2889	70836	307	0.4	0.133032	551.6528	ug/L
Se	77	1993	50	5	9.4	-0.001684	-185.0059	ug/L
Se	82	13	3	10	306.3	-0.000008	0.1003	ug/L
Ag	107	23	375	2	0.6	0.000331	0.5405	ug/L
Ag	109	21	227	22	9.7	0.000194	0.3163	ug/L
Cd	111	11	164	17	10.4	0.000143	1.0787	ug/L
Cd	114	28	263	36	13.5	0.000221	0.7211	ug/L
> In	115	1151262	1070265	6089	0.6	1070265.180639		ug/L
Sb	121	56	18058	66	0.4	0.016824	43.9984	ug/L
> Tm	169	804781	747445	497	0.1	747445.488211		ug/L
Tl	205	6	192	26	13.6	0.000250	0.1356	ug/L
Pb	208	72	31114	255	0.8	0.041538	17.1188	ug/L
C	13	20307	20465	267	1.3	158.356743		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	93.077
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	94.730
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	92.965
Sb	121	
> Tm	169	92.876
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-15RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:28:40

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 214

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-15RE1.101

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	6	36.7	0.000004	0.0057	ug/L
> Sc	45	719009	665618	7786	1.2	665617.673739		ug/L
Cr	52	3658	1501	161	10.7	-0.002835	-2.7773	ug/L
Cr	53	21604	884	26	3.0	-0.028718	-202.3183	ug/L
Cu	65	36	1323	19	1.4	0.002525	5.5791	ug/L
Cu	63	38	2693	15	0.6	0.005204	5.5250	ug/L
> Ge	74	540384	510529	3511	0.7	510528.735091		ug/L
As	75	-96	46915	413	0.9	0.092071	381.2200	ug/L
As-1	75	2889	49503	361	0.7	0.091618	380.2043	ug/L
Se	77	1993	54	4	7.5	-0.001680	-184.6227	ug/L
Se	82	13	5	2	41.8	-0.000007	0.2536	ug/L
Ag	107	23	459	30	6.4	0.000412	0.6713	ug/L
Ag	109	21	279	8	2.9	0.000245	0.3987	ug/L
Cd	111	11	82	6	6.8	0.000067	0.5045	ug/L
Cd	114	28	89	11	12.6	0.000059	0.1984	ug/L
> In	115	1151262	1062469	14278	1.3	1062469.119302		ug/L
Sb	121	56	13541	286	2.1	0.012695	33.1989	ug/L
> Tm	169	804781	741669	1974	0.3	741668.700247		ug/L
Tl	205	6	206	19	9.0	0.000271	0.1472	ug/L
Pb	208	72	6693	62	0.9	0.008935	3.6723	ug/L
C	13	20307	19154	80	0.4	-1153.165513		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	92.574
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	94.475
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	92.287
Sb	121	
> Tm	169	92.158
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV6

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 17:30:57

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCV6.102

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	523	22	4.3	0.000793	1.1251	ug/L
> Sc	45	719009	641851	9936	1.5	641851.160207		ug/L
Cr	52	3658	50537	632	1.3	0.073653	13.1674	ug/L
Cr	53	21604	18429	801	4.3	-0.001317	-2.5360	ug/L
Cu	65	36	6017	104	1.7	0.012044	5.2724	ug/L
Cu	63	38	12358	234	1.9	0.024803	5.2544	ug/L
> Ge	74	540384	496818	2192	0.4	496818.307209		ug/L
As	75	-96	3126	140	4.5	0.006470	5.2364	ug/L
As-1	75	2889	5461	61	1.1	0.005647	4.8604	ug/L
Se	77	1993	1809	55	3.0	-0.000046	-0.9149	ug/L
Se	82	13	590	29	5.0	0.000538	10.4935	ug/L
Ag	107	23	3456	35	1.0	0.003197	1.0308	ug/L
Ag	109	21	3422	76	2.2	0.003167	1.0263	ug/L
Cd	111	11	398	14	3.5	0.000361	0.5440	ug/L
Cd	114	28	897	21	2.3	0.000810	0.5231	ug/L
> In	115	1151262	1074510	15449	1.4	1074510.456671		ug/L
Sb	121	56	2321	77	3.3	0.002111	1.1029	ug/L
> Tm	169	804781	759968	8254	1.1	759967.713327		ug/L
Tl	205	6	1782	27	1.5	0.002337	0.2586	ug/L
Pb	208	72	23766	227	1.0	0.031183	2.5696	ug/L
C	13	20307	16418	269	1.6	-3888.840816		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	89.269
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	91.938
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	93.333
Sb	121	
> Tm	169	94.432
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB6

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 17:33:13

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCB6.103

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	16	1	3.5	0.000004	0.0014	ug/L
> Sc	45	719009	634097	3915	0.6	634097.283661		ug/L
Cr	52	3658	1858	84	4.5	-0.002159	-0.4341	ug/L
Cr	53	21604	8421	270	3.2	-0.016767	-23.9208	ug/L
Cu	65	36	26	6	21.9	-0.000012	0.0078	ug/L
Cu	63	38	37	3	8.8	0.000004	0.0041	ug/L
> Ge	74	540384	491256	2144	0.4	491255.554024		ug/L
As	75	-96	-113	44	39.0	-0.000052	-0.1738	ug/L
As-1	75	2889	2461	44	1.8	-0.000336	-0.0930	ug/L
Se	77	1993	751	5	0.6	-0.001030	-22.5897	ug/L
Se	82	13	-6	8	130.6	-0.000017	-0.1469	ug/L
Ag	107	23	27	4	15.2	0.000005	0.0032	ug/L
Ag	109	21	31	7	23.6	0.000010	0.0038	ug/L
Cd	111	11	10	2	17.3	-0.000001	-0.0016	ug/L
Cd	114	28	27	10	36.3	0.000001	0.0024	ug/L
> In	115	1151262	1071986	2177	0.2	1071986.368946		ug/L
Sb	121	56	29	4	13.2	-0.000022	-0.0126	ug/L
> Tm	169	804781	756191	9772	1.3	756190.990115		ug/L
Tl	205	6	6	2	24.1	0.000001	-0.0005	ug/L
Pb	208	72	79	10	12.1	0.000015	-0.0013	ug/L
C	13	20307	15848	230	1.5	-4458.517824		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	88.191
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	90.909
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	93.114
Sb	121	
> Tm	169	93.962
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-16RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:35:31

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 215

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-16RE1.104

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	21	4	20.1	0.000011	0.0540	ug/L
> Sc	45	719009	638303	3393	0.5	638302.704243		ug/L
Cr	52	3658	2521	63	2.5	-0.001139	-1.2558	ug/L
Cr	53	21604	2448	226	9.2	-0.026211	-184.9678	ug/L
Cu	65	36	4901	78	1.6	0.009823	21.5127	ug/L
Cu	63	38	9899	104	1.1	0.019905	21.0873	ug/L
> Ge	74	540384	495588	3183	0.6	495587.985692		ug/L
As	75	-96	57130	387	0.7	0.115453	478.1981	ug/L
As-1	75	2889	59720	346	0.6	0.115159	477.6612	ug/L
Se	77	1993	76	12	15.3	-0.001658	-182.1768	ug/L
Se	82	13	-3	11	372.0	-0.000015	-0.4781	ug/L
Ag	107	23	327	11	3.2	0.000294	0.4816	ug/L
Ag	109	21	225	12	5.3	0.000198	0.3231	ug/L
Cd	111	11	162	15	9.0	0.000146	1.0948	ug/L
Cd	114	28	256	19	7.3	0.000221	0.7204	ug/L
> In	115	1151262	1041923	9333	0.9	1041922.692640		ug/L
Sb	121	56	16562	442	2.7	0.015847	41.4429	ug/L
> Tm	169	804781	736165	5938	0.8	736164.899166		ug/L
Tl	205	6	209	2	1.1	0.000276	0.1501	ug/L
Pb	208	72	27109	226	0.8	0.036736	15.1382	ug/L
C	13	20307	18758	134	0.7	-1548.989150		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	88.775
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	91.710
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	91.474
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-17RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:37:45

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 216

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-17RE1.105

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	3	15.1	0.000005	0.0081	ug/L
> Sc	45	719009	642519	1693	0.3	642518.767027		ug/L
Cr	52	3658	1599	62	3.8	-0.002600	-2.5664	ug/L
Cr	53	21604	1680	96	5.7	-0.027433	-193.4235	ug/L
Cu	65	36	1416	9	0.6	0.002780	6.1359	ug/L
Cu	63	38	2978	31	1.0	0.005916	6.2789	ug/L
> Ge	74	540384	497455	2015	0.4	497454.706443		ug/L
As	75	-96	49313	321	0.7	0.099307	411.2304	ug/L
As-1	75	2889	51871	376	0.7	0.098927	410.4612	ug/L
Se	77	1993	67	5	7.9	-0.001667	-183.1191	ug/L
Se	82	13	12	10	84.8	-0.000000	0.8746	ug/L
Ag	107	23	458	11	2.4	0.000419	0.6817	ug/L
Ag	109	21	302	26	8.5	0.000271	0.4416	ug/L
Cd	111	11	90	8	9.0	0.000077	0.5742	ug/L
Cd	114	28	85	2	2.9	0.000057	0.1914	ug/L
> In	115	1151262	1044646	6589	0.6	1044645.872915		ug/L
Sb	121	56	14248	52	0.4	0.013591	35.5428	ug/L
> Tm	169	804781	728904	6265	0.9	728904.187345		ug/L
Tl	205	6	208	9	4.4	0.000278	0.1511	ug/L
Pb	208	72	7074	122	1.7	0.009615	3.9528	ug/L
C	13	20307	18330	110	0.6	-1976.860826		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	89.362
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	92.056
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	90.739
Sb	121	
> Tm	169	90.572
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-18RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:39:59

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 217

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-18RE1.106

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	15	4	24.0	0.000002	-0.0110	ug/L
> Sc	45	719009	644798	2961	0.5	644798.166323		ug/L
Cr	52	3658	1567	80	5.1	-0.002658	-2.6185	ug/L
Cr	53	21604	1397	63	4.5	-0.027881	-196.5246	ug/L
Cu	65	36	1466	21	1.4	0.002872	6.3367	ug/L
Cu	63	38	2980	25	0.8	0.005904	6.2654	ug/L
> Ge	74	540384	498912	2816	0.6	498911.856645		ug/L
As	75	-96	48572	591	1.2	0.097531	403.8649	ug/L
As-1	75	2889	51156	561	1.1	0.097189	403.2664	ug/L
Se	77	1993	58	12	19.7	-0.001675	-184.0937	ug/L
Se	82	13	8	11	137.2	-0.000004	0.5306	ug/L
Ag	107	23	447	15	3.3	0.000404	0.6574	ug/L
Ag	109	21	289	20	6.8	0.000256	0.4163	ug/L
Cd	111	11	85	13	14.9	0.000070	0.5272	ug/L
Cd	114	28	89	7	8.2	0.000060	0.2014	ug/L
> In	115	1151262	1055147	3004	0.3	1055147.070081		ug/L
Sb	121	56	13931	216	1.6	0.013154	34.3993	ug/L
> Tm	169	804781	729521	2831	0.4	729520.806385		ug/L
Tl	205	6	226	11	4.8	0.000303	0.1649	ug/L
Pb	208	72	7016	82	1.2	0.009528	3.9168	ug/L
C	13	20307	18220	104	0.6	-2086.748109		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	89.679
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	92.325
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	91.651
Sb	121	
> Tm	169	90.648
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-19RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:42:12

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 218

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-19RE1.107

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	1	6.7	0.000006	0.0145	ug/L
> Sc	45	719009	645883	3111	0.5	645882.597876		ug/L
Cr	52	3658	1623	97	6.0	-0.002575	-2.5438	ug/L
Cr	53	21604	1236	10	0.8	-0.028133	-198.2676	ug/L
Cu	65	36	1505	11	0.7	0.002942	6.4884	ug/L
Cu	63	38	3138	42	1.3	0.006202	6.5808	ug/L
> Ge	74	540384	500350	1743	0.3	500349.565102		ug/L
As	75	-96	47296	52	0.1	0.094703	392.1363	ug/L
As-1	75	2889	49934	62	0.1	0.094453	391.9401	ug/L
Se	77	1993	57	6	9.6	-0.001676	-184.1348	ug/L
Se	82	13	11	14	120.0	-0.000001	0.8439	ug/L
Ag	107	23	460	15	3.2	0.000421	0.6847	ug/L
Ag	109	21	287	10	3.6	0.000257	0.4180	ug/L
Cd	111	11	82	11	13.2	0.000069	0.5144	ug/L
Cd	114	28	78	2	2.9	0.000050	0.1695	ug/L
> In	115	1151262	1044003	671	0.1	1044002.550911		ug/L
Sb	121	56	14193	128	0.9	0.013546	35.4250	ug/L
> Tm	169	804781	731180	5052	0.7	731180.056207		ug/L
Tl	205	6	203	7	3.6	0.000270	0.1466	ug/L
Pb	208	72	6943	54	0.8	0.009407	3.8670	ug/L
C	13	20307	18519	140	0.8	-1788.145333		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	89.830
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	92.592
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	90.683
Sb	121	
> Tm	169	90.854
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122318-DUP2

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:44:26

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 219

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122120-DUP2.108

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	12	4	30.7	-0.000002	-0.0415	ug/L
> Sc	45	719009	650648	3086	0.5	650648.066912		ug/L
Cr	52	3658	1553	75	4.9	-0.002701	-2.6571	ug/L
Cr	53	21604	1115	26	2.3	-0.028334	-199.6608	ug/L
Cu	65	36	1284	34	2.7	0.002501	5.5261	ug/L
Cu	63	38	2614	32	1.2	0.005156	5.4737	ug/L
> Ge	74	540384	500229	3304	0.7	500229.486415		ug/L
As	75	-96	44561	623	1.4	0.089256	369.5425	ug/L
As-1	75	2889	47138	560	1.2	0.088886	368.8958	ug/L
Se	77	1993	59	7	11.0	-0.001675	-184.0379	ug/L
Se	82	13	7	25	350.1	-0.000005	0.4363	ug/L
Ag	107	23	422	14	3.3	0.000377	0.6149	ug/L
Ag	109	21	265	21	7.9	0.000231	0.3764	ug/L
Cd	111	11	68	9	12.6	0.000054	0.4020	ug/L
Cd	114	28	86	14	16.7	0.000056	0.1887	ug/L
> In	115	1151262	1063279	1095	0.1	1063279.191876		ug/L
Sb	121	56	12097	201	1.7	0.011329	29.6245	ug/L
> Tm	169	804781	740509	7217	1.0	740509.227761		ug/L
Tl	205	6	218	7	3.0	0.000287	0.1559	ug/L
Pb	208	72	6858	72	1.1	0.009172	3.7702	ug/L
C	13	20307	18465	156	0.8	-1841.921040		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	90.492
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	92.569
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	92.358
Sb	121	
> Tm	169	92.014
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122318-MS2

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:46:39

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 220

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122120-MS2.109

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	396	35	8.9	0.000591	4.1837	ug/L
> Sc	45	719009	646709	3274	0.5	646709.063721		ug/L
Cr	52	3658	63304	129	0.2	0.092799	83.0124	ug/L
Cr	53	21604	8286	96	1.2	-0.017234	-122.8364	ug/L
Cu	65	36	6203	36	0.6	0.012399	27.1383	ug/L
Cu	63	38	12681	175	1.4	0.025412	26.9163	ug/L
> Ge	74	540384	497626	1939	0.4	497626.386855		ug/L
As	75	-96	63785	416	0.7	0.128355	531.7084	ug/L
As-1	75	2889	66189	458	0.7	0.127663	529.4259	ug/L
Se	77	1993	395	14	3.4	-0.001354	-148.7183	ug/L
Se	82	13	471	14	3.0	0.000437	42.7957	ug/L
Ag	107	23	6534	24	0.4	0.006206	9.9982	ug/L
Ag	109	21	6350	44	0.7	0.006032	9.7734	ug/L
Cd	111	11	406	22	5.4	0.000377	2.8392	ug/L
Cd	114	28	781	16	2.0	0.000719	2.3251	ug/L
> In	115	1151262	1049559	8408	0.8	1049558.513608		ug/L
Sb	121	56	13230	91	0.7	0.012557	32.8376	ug/L
> Tm	169	804781	733679	10842	1.5	733679.187942		ug/L
Tl	205	6	2560	7	0.3	0.003483	1.9283	ug/L
Pb	208	72	10830	32	0.3	0.014674	6.0392	ug/L
C	13	20307	18558	68	0.4	-1749.066308		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	89.945
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	92.088
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	91.166
Sb	121	
> Tm	169	91.165
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122318-MSD2

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:48:52

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 221

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122120-MSD2.110

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	403	14	3.5	0.000601	4.2590	ug/L
> Sc	45	719009	646926	2851	0.4	646926.314832		ug/L
Cr	52	3658	65700	159	0.2	0.096470	86.3049	ug/L
Cr	53	21604	8659	82	0.9	-0.016662	-118.8819	ug/L
Cu	65	36	6424	74	1.2	0.012846	28.1138	ug/L
Cu	63	38	13374	137	1.0	0.026813	28.3996	ug/L
> Ge	74	540384	497500	3135	0.6	497500.297566		ug/L
As	75	-96	69000	427	0.6	0.138873	575.3336	ug/L
As-1	75	2889	71461	395	0.6	0.138299	573.4562	ug/L
Se	77	1993	390	7	1.8	-0.001359	-149.2456	ug/L
Se	82	13	443	14	3.2	0.000410	40.2559	ug/L
Ag	107	23	5645	63	1.1	0.005357	8.6311	ug/L
Ag	109	21	5351	62	1.2	0.005079	8.2293	ug/L
Cd	111	11	370	22	5.9	0.000343	2.5858	ug/L
Cd	114	28	763	15	2.0	0.000702	2.2689	ug/L
> In	115	1151262	1049879	9258	0.9	1049879.384224		ug/L
Sb	121	56	14508	67	0.5	0.013771	36.0120	ug/L
> Tm	169	804781	731512	4253	0.6	731512.349049		ug/L
Tl	205	6	2595	49	1.9	0.003540	1.9600	ug/L
Pb	208	72	11045	88	0.8	0.015010	6.1776	ug/L
C	13	20307	18416	220	1.2	-1891.019601		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	89.975
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	92.064
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	91.194
Sb	121	
> Tm	169	90.896
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-20RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:51:05

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 222

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-20RE1.111

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	15	4	24.0	0.000002	-0.0118	ug/L
> Sc	45	719009	648349	334	0.1	648348.892899		ug/L
Cr	52	3658	1560	142	9.1	-0.002682	-2.6396	ug/L
Cr	53	21604	896	35	3.9	-0.028666	-201.9556	ug/L
Cu	65	36	1088	6	0.6	0.002106	4.6641	ug/L
Cu	63	38	2181	29	1.3	0.004285	4.5522	ug/L
> Ge	74	540384	500804	1540	0.3	500803.896472		ug/L
As	75	-96	42629	129	0.3	0.085299	353.1320	ug/L
As-1	75	2889	45242	120	0.3	0.084993	352.7791	ug/L
Se	77	1993	49	5	9.1	-0.001684	-185.0107	ug/L
Se	82	13	11	11	98.9	-0.000001	0.7800	ug/L
Ag	107	23	426	11	2.6	0.000386	0.6293	ug/L
Ag	109	21	267	12	4.7	0.000236	0.3840	ug/L
Cd	111	11	67	7	10.4	0.000054	0.4057	ug/L
Cd	114	28	73	11	15.1	0.000045	0.1531	ug/L
> In	115	1151262	1050298	6553	0.6	1050297.842349		ug/L
Sb	121	56	9097	132	1.4	0.008613	22.5217	ug/L
> Tm	169	804781	731412	5910	0.8	731412.309193		ug/L
Tl	205	6	218	6	2.7	0.000291	0.1580	ug/L
Pb	208	72	6993	193	2.8	0.009470	3.8930	ug/L
C	13	20307	18542	196	1.1	-1764.763716		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	90.173
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	92.676
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	91.230
Sb	121	
> Tm	169	90.883
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-21RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:53:19

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 223

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-21RE1.112

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	2	12.5	0.000005	0.0077	ug/L
> Sc	45	719009	643672	4599	0.7	643672.162774		ug/L
Cr	52	3658	1600	49	3.1	-0.002602	-2.5683	ug/L
Cr	53	21604	878	19	2.2	-0.028684	-202.0791	ug/L
Cu	65	36	1600	48	3.0	0.003159	6.9635	ug/L
Cu	63	38	3333	51	1.5	0.006644	7.0494	ug/L
> Ge	74	540384	496396	5386	1.1	496395.614988		ug/L
As	75	-96	47826	583	1.2	0.096523	399.6855	ug/L
As-1	75	2889	50400	599	1.2	0.096185	399.1127	ug/L
Se	77	1993	56	4	7.8	-0.001677	-184.2479	ug/L
Se	82	13	11	8	69.3	-0.000001	0.8200	ug/L
Ag	107	23	431	26	6.1	0.000395	0.6433	ug/L
Ag	109	21	300	18	6.0	0.000270	0.4393	ug/L
Cd	111	11	82	8	9.8	0.000069	0.5188	ug/L
Cd	114	28	91	9	10.2	0.000063	0.2119	ug/L
> In	115	1151262	1039786	15569	1.5	1039786.060021		ug/L
Sb	121	56	13971	215	1.5	0.013388	35.0114	ug/L
> Tm	169	804781	725190	13110	1.8	725190.411772		ug/L
Tl	205	6	211	7	3.3	0.000284	0.1542	ug/L
Pb	208	72	7106	102	1.4	0.009710	3.9919	ug/L
C	13	20307	18685	101	0.5	-1621.805826		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	89.522
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	91.860
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	90.317
Sb	121	
> Tm	169	90.110
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-22RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 17:55:33

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 224

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-22RE1.113

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	6	35.2	0.000004	0.0070	ug/L
> Sc	45	719009	646654	840	0.1	646654.016853		ug/L
Cr	52	3658	1712	14	0.8	-0.002441	-2.4235	ug/L
Cr	53	21604	840	9	1.1	-0.028748	-202.5216	ug/L
Cu	65	36	1589	27	1.7	0.003102	6.8397	ug/L
Cu	63	38	3181	49	1.5	0.006273	6.6560	ug/L
> Ge	74	540384	501439	1679	0.3	501438.850130		ug/L
As	75	-96	47552	260	0.5	0.095008	393.4012	ug/L
As-1	75	2889	50114	250	0.5	0.094596	392.5344	ug/L
Se	77	1993	39	3	8.2	-0.001693	-186.0789	ug/L
Se	82	13	4	8	187.2	-0.000008	0.1645	ug/L
Ag	107	23	454	22	4.8	0.000411	0.6691	ug/L
Ag	109	21	300	24	8.1	0.000266	0.4333	ug/L
Cd	111	11	76	13	17.2	0.000062	0.4650	ug/L
Cd	114	28	88	6	6.6	0.000059	0.1979	ug/L
> In	115	1151262	1055272	3590	0.3	1055271.835177		ug/L
Sb	121	56	14018	30	0.2	0.013236	34.6128	ug/L
> Tm	169	804781	736146	7660	1.0	736146.236736		ug/L
Tl	205	6	206	14	6.9	0.000272	0.1478	ug/L
Pb	208	72	6824	98	1.4	0.009181	3.7737	ug/L
C	13	20307	18269	57	0.3	-2037.649997		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	89.937
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	92.793
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	91.662
Sb	121	
> Tm	169	91.472
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV7

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 17:57:49

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCV7.114

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	966	36	3.7	0.001537	2.1851	ug/L
> Sc	45	719009	619959	12936	2.1	619959.411686		ug/L
Cr	52	3658	94095	1890	2.0	0.146695	26.2719	ug/L
Cr	53	21604	23030	774	3.4	0.007112	9.1319	ug/L
Cu	65	36	11276	124	1.1	0.023447	10.2519	ug/L
Cu	63	38	23339	680	2.9	0.048590	10.2904	ug/L
> Ge	74	540384	479572	7476	1.6	479571.544813		ug/L
As	75	-96	6298	326	5.2	0.013306	10.9069	ug/L
As-1	75	2889	8513	406	4.8	0.012400	10.4517	ug/L
Se	77	1993	2108	62	2.9	0.000312	6.9802	ug/L
Se	82	13	1086	41	3.8	0.001041	20.1363	ug/L
Ag	107	23	6577	166	2.5	0.006351	2.0461	ug/L
Ag	109	21	6483	157	2.4	0.006261	2.0290	ug/L
Cd	111	11	785	39	4.9	0.000750	1.1317	ug/L
Cd	114	28	1719	49	2.8	0.001641	1.0581	ug/L
> In	115	1151262	1032315	19833	1.9	1032314.550231		ug/L
Sb	121	56	4284	125	2.9	0.004100	2.1438	ug/L
> Tm	169	804781	741380	20333	2.7	741380.194039		ug/L
Tl	205	6	3455	79	2.3	0.004654	0.5155	ug/L
Pb	208	72	45415	1466	3.2	0.061162	5.0425	ug/L
C	13	20307	16052	319	2.0	-4255.159709		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	86.224
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	88.747
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	89.668
Sb	121	
> Tm	169	92.122
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB7

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 18:00:05

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCB7.115

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	3	17.6	0.000006	0.0041	ug/L
> Sc	45	719009	613980	3618	0.6	613979.917441		ug/L
Cr	52	3658	1794	75	4.2	-0.002167	-0.4356	ug/L
Cr	53	21604	8066	163	2.0	-0.016910	-24.1188	ug/L
Cu	65	36	21	4	19.6	-0.000023	0.0032	ug/L
Cu	63	38	37	2	5.7	0.000006	0.0045	ug/L
> Ge	74	540384	479540	3430	0.7	479539.769658		ug/L
As	75	-96	-37	166	442.5	0.000100	-0.0470	ug/L
As-1	75	2889	2454	153	6.2	-0.000226	-0.0017	ug/L
Se	77	1993	691	53	7.6	-0.001065	-23.3576	ug/L
Se	82	13	-4	9	219.6	-0.000015	-0.1135	ug/L
Ag	107	23	38	10	25.7	0.000017	0.0071	ug/L
Ag	109	21	30	7	24.0	0.000011	0.0039	ug/L
Cd	111	11	7	2	20.8	-0.000003	-0.0050	ug/L
Cd	114	28	18	9	51.9	-0.000008	-0.0030	ug/L
> In	115	1151262	1037744	5920	0.6	1037744.220683		ug/L
Sb	121	56	31	2	6.6	-0.000018	-0.0108	ug/L
> Tm	169	804781	746815	9978	1.3	746815.281301		ug/L
Tl	205	6	4	1	25.0	-0.000002	-0.0008	ug/L
Pb	208	72	69	8	11.1	0.000002	-0.0024	ug/L
C	13	20307	15374	159	1.0	-4932.999255		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	85.393
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	88.741
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	90.140
Sb	121	
> Tm	169	92.797
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-23RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:02:23

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 225

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-23RE1.116

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	20	2	10.2	0.000012	0.0589	ug/L
> Sc	45	719009	614985	2237	0.4	614985.310402		ug/L
Cr	52	3658	1635	16	1.0	-0.002429	-2.4130	ug/L
Cr	53	21604	2237	193	8.6	-0.026409	-186.3366	ug/L
Cu	65	36	1598	49	3.0	0.003232	7.1221	ug/L
Cu	63	38	3247	124	3.8	0.006628	7.0322	ug/L
> Ge	74	540384	484655	4842	1.0	484654.658676		ug/L
As	75	-96	46424	159	0.3	0.095973	397.4031	ug/L
As-1	75	2889	48938	196	0.4	0.095638	396.8492	ug/L
Se	77	1993	72	6	8.4	-0.001660	-182.4154	ug/L
Se	82	13	14	5	36.7	0.000002	1.1191	ug/L
Ag	107	23	480	28	5.9	0.000450	0.7326	ug/L
Ag	109	21	320	8	2.5	0.000295	0.4797	ug/L
Cd	111	11	83	8	9.1	0.000071	0.5351	ug/L
Cd	114	28	82	11	13.9	0.000056	0.1891	ug/L
> In	115	1151262	1021321	5976	0.6	1021320.825784		ug/L
Sb	121	56	12872	163	1.3	0.012555	32.8312	ug/L
> Tm	169	804781	721396	11511	1.6	721396.011480		ug/L
Tl	205	6	216	11	4.9	0.000293	0.1593	ug/L
Pb	208	72	7009	59	0.8	0.009628	3.9580	ug/L
C	13	20307	17317	161	0.9	-2989.843455		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	85.532
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	89.687
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	88.713
Sb	121	
> Tm	169	89.639
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-24RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:04:37

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 226

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-24RE1.117

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	37	13	36.4	0.000038	0.2474	ug/L
> Sc	45	719009	619605	9046	1.5	619605.283472		ug/L
Cr	52	3658	4689	63	1.3	0.002480	1.9912	ug/L
Cr	53	21604	2017	73	3.6	-0.026792	-188.9845	ug/L
Cu	65	36	13660	333	2.4	0.028516	62.3256	ug/L
Cu	63	38	28152	552	2.0	0.058835	62.2976	ug/L
> Ge	74	540384	477909	9369	2.0	477908.736493		ug/L
As	75	-96	73885	1157	1.6	0.154785	641.3316	ug/L
As-1	75	2889	76460	1140	1.5	0.154654	641.1621	ug/L
Se	77	1993	70	8	12.0	-0.001661	-182.5538	ug/L
Se	82	13	22	6	25.4	0.000011	1.9398	ug/L
Ag	107	23	365	5	1.3	0.000344	0.5612	ug/L
Ag	109	21	247	12	4.7	0.000227	0.3704	ug/L
Cd	111	11	190	13	7.0	0.000179	1.3466	ug/L
Cd	114	28	335	18	5.4	0.000309	1.0037	ug/L
> In	115	1151262	1004241	24413	2.4	1004241.168425		ug/L
Sb	121	56	13690	264	1.9	0.013585	35.5256	ug/L
> Tm	169	804781	700388	20486	2.9	700387.870986		ug/L
Tl	205	6	311	5	1.5	0.000438	0.2396	ug/L
Pb	208	72	52859	1166	2.2	0.075394	31.0822	ug/L
C	13	20307	19363	271	1.4	-944.054108		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	86.175
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	88.439
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.230
Sb	121	
> Tm	169	87.028
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-25RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:06:51

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 227

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-25RE1.118

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	14	5	31.5	0.000001	-0.0144	ug/L
> Sc	45	719009	630119	3531	0.6	630119.024570		ug/L
Cr	52	3658	1624	120	7.4	-0.002511	-2.4867	ug/L
Cr	53	21604	1324	65	4.9	-0.027947	-196.9826	ug/L
Cu	65	36	1601	15	0.9	0.003197	7.0460	ug/L
Cu	63	38	3222	67	2.1	0.006496	6.8920	ug/L
> Ge	74	540384	490707	1013	0.2	490707.314712		ug/L
As	75	-96	49608	399	0.8	0.101272	419.3799	ug/L
As-1	75	2889	52179	460	0.9	0.100987	418.9930	ug/L
Se	77	1993	54	6	10.3	-0.001679	-184.4460	ug/L
Se	82	13	13	7	55.0	0.000001	0.9813	ug/L
Ag	107	23	493	21	4.3	0.000459	0.7463	ug/L
Ag	109	21	308	20	6.3	0.000280	0.4565	ug/L
Cd	111	11	76	8	10.8	0.000064	0.4786	ug/L
Cd	114	28	76	12	15.9	0.000049	0.1685	ug/L
> In	115	1151262	1030143	4419	0.4	1030143.091040		ug/L
Sb	121	56	15324	138	0.9	0.014827	38.7760	ug/L
> Tm	169	804781	725628	1455	0.2	725628.156580		ug/L
Tl	205	6	215	21	9.6	0.000289	0.1570	ug/L
Pb	208	72	7279	229	3.1	0.009942	4.0877	ug/L
C	13	20307	17873	150	0.8	-2433.768872		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	87.637
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	90.807
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	89.479
Sb	121	
> Tm	169	90.165
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-26RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:09:06

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 228

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-26RE1.119

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	16	3	20.5	0.000004	0.0007	ug/L
> Sc	45	719009	628503	6628	1.1	628503.445585		ug/L
Cr	52	3658	1607	157	9.8	-0.002532	-2.5053	ug/L
Cr	53	21604	1136	43	3.7	-0.028240	-199.0073	ug/L
Cu	65	36	99	12	12.4	0.000137	0.3662	ug/L
Cu	63	38	192	8	4.1	0.000322	0.3566	ug/L
> Ge	74	540384	488738	5378	1.1	488737.975990		ug/L
As	75	-96	76	33	43.0	0.000331	0.7227	ug/L
As-1	75	2889	2642	25	0.9	0.000062	1.1813	ug/L
Se	77	1993	43	11	25.1	-0.001690	-185.6413	ug/L
Se	82	13	-9	6	64.7	-0.000021	-1.0619	ug/L
Ag	107	23	442	12	2.7	0.000407	0.6624	ug/L
Ag	109	21	301	21	7.1	0.000272	0.4426	ug/L
Cd	111	11	53	7	13.2	0.000041	0.3075	ug/L
Cd	114	28	25	9	36.7	-0.000001	0.0076	ug/L
> In	115	1151262	1035855	13697	1.3	1035854.946171		ug/L
Sb	121	56	221	18	8.0	0.000164	0.4239	ug/L
> Tm	169	804781	722661	15812	2.2	722660.601143		ug/L
Tl	205	6	7	2	22.9	0.000002	-0.0020	ug/L
Pb	208	72	269	28	10.3	0.000283	0.1039	ug/L
C	13	20307	16599	204	1.2	-3707.847032		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	87.413
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	90.443
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	89.976
Sb	121	
> Tm	169	89.796
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245020-03RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:11:20

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 229

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245020-03RE1.120

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	14	1	8.4	0.000000	-0.0227	ug/L
> Sc	45	719009	632514	4092	0.6	632513.864122		ug/L
Cr	52	3658	1754	218	12.5	-0.002316	-2.3112	ug/L
Cr	53	21604	1068	39	3.6	-0.028358	-199.8256	ug/L
Cu	65	36	1132	29	2.5	0.002228	4.9307	ug/L
Cu	63	38	2331	85	3.6	0.004651	4.9395	ug/L
> Ge	74	540384	493615	2015	0.4	493614.645953		ug/L
As	75	-96	19731	315	1.6	0.040149	165.8701	ug/L
As-1	75	2889	22315	265	1.2	0.039862	165.9460	ug/L
Se	77	1993	52	2	4.5	-0.001681	-184.7136	ug/L
Se	82	13	18	10	54.7	0.000006	1.5025	ug/L
Ag	107	23	453	13	2.9	0.000416	0.6766	ug/L
Ag	109	21	290	7	2.3	0.000261	0.4243	ug/L
Cd	111	11	63	10	15.3	0.000050	0.3763	ug/L
Cd	114	28	45	7	16.2	0.000019	0.0690	ug/L
> In	115	1151262	1040116	6047	0.6	1040115.708622		ug/L
Sb	121	56	6771	67	1.0	0.006461	16.8935	ug/L
> Tm	169	804781	730049	8147	1.1	730049.022092		ug/L
Tl	205	6	25	2	8.0	0.000027	0.0119	ug/L
Pb	208	72	3668	75	2.0	0.004934	2.0222	ug/L
C	13	20307	17732	152	0.9	-2574.711119		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	87.970
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	91.345
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	90.346
Sb	121	
> Tm	169	90.714
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122318-DUP3

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:13:34

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 230

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122120-DUP3.121

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	13	2	15.4	-0.000001	-0.0305	ug/L
> Sc	45	719009	633717	3320	0.5	633716.945517		ug/L
Cr	52	3658	1920	30	1.6	-0.002059	-2.0807	ug/L
Cr	53	21604	1003	31	3.1	-0.028464	-200.5595	ug/L
Cu	65	36	734	39	5.3	0.001428	3.1835	ug/L
Cu	63	38	1515	37	2.4	0.003015	3.2077	ug/L
> Ge	74	540384	491042	4566	0.9	491042.018630		ug/L
As	75	-96	17389	158	0.9	0.035590	146.9602	ug/L
As-1	75	2889	19939	150	0.8	0.035263	146.9082	ug/L
Se	77	1993	57	5	8.0	-0.001676	-184.1447	ug/L
Se	82	13	9	5	60.0	-0.000003	0.6081	ug/L
Ag	107	23	447	25	5.7	0.000410	0.6674	ug/L
Ag	109	21	250	16	6.6	0.000222	0.3616	ug/L
Cd	111	11	64	11	16.5	0.000052	0.3892	ug/L
Cd	114	28	40	8	18.5	0.000014	0.0550	ug/L
> In	115	1151262	1039539	13469	1.3	1039538.807764		ug/L
Sb	121	56	4888	60	1.2	0.004653	12.1650	ug/L
> Tm	169	804781	723502	9900	1.4	723501.758180		ug/L
Tl	205	6	20	4	20.5	0.000021	0.0085	ug/L
Pb	208	72	3547	55	1.6	0.004813	1.9722	ug/L
C	13	20307	17765	5	0.0	-2541.981495		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	88.138
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	90.869
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	90.296
Sb	121	
> Tm	169	89.900
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122318-MS3

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:15:47

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 231

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122120-MS3.122

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	373	3	0.9	0.000564	3.9939	ug/L
> Sc	45	719009	637922	1829	0.3	637922.059515		ug/L
Cr	52	3658	64743	205	0.3	0.096403	86.2452	ug/L
Cr	53	21604	8376	95	1.1	-0.016917	-120.6414	ug/L
Cu	65	36	4874	114	2.3	0.009718	21.2847	ug/L
Cu	63	38	10000	61	0.6	0.020004	21.1913	ug/L
> Ge	74	540384	498165	655	0.1	498164.582310		ug/L
As	75	-96	38035	146	0.4	0.076528	316.7528	ug/L
As-1	75	2889	40488	172	0.4	0.075930	315.2590	ug/L
Se	77	1993	394	14	3.4	-0.001355	-148.7946	ug/L
Se	82	13	462	26	5.6	0.000429	42.0366	ug/L
Ag	107	23	6334	19	0.3	0.006024	9.7048	ug/L
Ag	109	21	6095	39	0.6	0.005797	9.3933	ug/L
Cd	111	11	279	11	4.1	0.000256	1.9292	ug/L
Cd	114	28	522	6	1.2	0.000473	1.5319	ug/L
> In	115	1151262	1048004	3702	0.4	1048003.792780		ug/L
Sb	121	56	6785	137	2.0	0.006425	16.7987	ug/L
> Tm	169	804781	733772	6771	0.9	733772.268968		ug/L
Tl	205	6	2429	8	0.3	0.003304	1.8291	ug/L
Pb	208	72	7839	82	1.0	0.010593	4.3562	ug/L
C	13	20307	17760	25	0.1	-2547.325232		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	88.722
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	92.187
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	91.031
Sb	121	
> Tm	169	91.177
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122318-MSD3

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:18:01

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 232

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122120-MSD3.123

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	378	7	1.7	0.000576	4.0830	ug/L
> Sc	45	719009	632343	4657	0.7	632343.428742		ug/L
Cr	52	3658	64935	681	1.0	0.097610	87.3281	ug/L
Cr	53	21604	8477	104	1.2	-0.016641	-118.7302	ug/L
Cu	65	36	4840	15	0.3	0.009746	21.3452	ug/L
Cu	63	38	9971	125	1.2	0.020146	21.3424	ug/L
> Ge	74	540384	493236	3310	0.7	493236.142295		ug/L
As	75	-96	38733	85	0.2	0.078708	325.7948	ug/L
As-1	75	2889	41149	94	0.2	0.078084	324.1758	ug/L
Se	77	1993	363	10	2.7	-0.001383	-151.9110	ug/L
Se	82	13	441	2	0.5	0.000410	40.2540	ug/L
Ag	107	23	6142	101	1.6	0.005852	9.4276	ug/L
Ag	109	21	5908	38	0.7	0.005630	9.1224	ug/L
Cd	111	11	291	36	12.5	0.000268	2.0215	ug/L
Cd	114	28	530	5	0.9	0.000482	1.5610	ug/L
> In	115	1151262	1046028	3500	0.3	1046028.120155		ug/L
Sb	121	56	7002	97	1.4	0.006645	17.3749	ug/L
> Tm	169	804781	729730	6475	0.9	729729.720796		ug/L
Tl	205	6	2500	21	0.9	0.003418	1.8927	ug/L
Pb	208	72	7738	43	0.5	0.010515	4.3241	ug/L
C	13	20307	18096	38	0.2	-2210.996252		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	87.947
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	91.275
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	90.859
Sb	121	
> Tm	169	90.674
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245020-07RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:20:14

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 233

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245020-07RE1.124

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	8	48.5	0.000005	0.0100	ug/L
> Sc	45	719009	635493	4365	0.7	635493.346194		ug/L
Cr	52	3658	1762	46	2.6	-0.002315	-2.3110	ug/L
Cr	53	21604	827	35	4.3	-0.028745	-202.5033	ug/L
Cu	65	36	889	31	3.5	0.001729	3.8413	ug/L
Cu	63	38	1761	25	1.4	0.003484	3.7037	ug/L
> Ge	74	540384	495437	2411	0.5	495436.931003		ug/L
As	75	-96	22545	111	0.5	0.045684	188.8261	ug/L
As-1	75	2889	25110	97	0.4	0.045339	188.6218	ug/L
Se	77	1993	43	3	7.0	-0.001689	-185.6266	ug/L
Se	82	13	1	4	495.5	-0.000011	-0.1346	ug/L
Ag	107	23	469	9	1.9	0.000432	0.7024	ug/L
Ag	109	21	277	32	11.6	0.000248	0.4041	ug/L
Cd	111	11	58	4	7.2	0.000046	0.3402	ug/L
Cd	114	28	41	1	2.2	0.000015	0.0572	ug/L
> In	115	1151262	1039411	6388	0.6	1039410.621510		ug/L
Sb	121	56	7444	160	2.2	0.007113	18.5997	ug/L
> Tm	169	804781	731216	1238	0.2	731216.360797		ug/L
Tl	205	6	20	4	21.8	0.000020	0.0081	ug/L
Pb	208	72	3616	75	2.1	0.004856	1.9900	ug/L
C	13	20307	17651	152	0.9	-2655.868831		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	88.385
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	91.682
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	90.284
Sb	121	
> Tm	169	90.859
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245020-11RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:22:27

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 234

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245020-11RE1.125

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	13	2	15.4	-0.000001	-0.0303	ug/L
> Sc	45	719009	632735	1616	0.3	632735.018753		ug/L
Cr	52	3658	1779	73	4.1	-0.002276	-2.2760	ug/L
Cr	53	21604	798	25	3.1	-0.028786	-202.7847	ug/L
Cu	65	36	935	27	2.9	0.001838	4.0792	ug/L
Cu	63	38	1855	46	2.5	0.003707	3.9403	ug/L
> Ge	74	540384	490952	2375	0.5	490951.822923		ug/L
As	75	-96	23309	403	1.7	0.047653	196.9905	ug/L
As-1	75	2889	25888	375	1.4	0.047382	197.0796	ug/L
Se	77	1993	45	6	12.5	-0.001687	-185.3816	ug/L
Se	82	13	5	2	39.2	-0.000006	0.2940	ug/L
Ag	107	23	429	13	2.9	0.000393	0.6409	ug/L
Ag	109	21	276	8	3.0	0.000247	0.4023	ug/L
Cd	111	11	55	11	20.5	0.000043	0.3212	ug/L
Cd	114	28	37	9	24.1	0.000011	0.0460	ug/L
> In	115	1151262	1039199	7804	0.8	1039198.603519		ug/L
Sb	121	56	7776	69	0.9	0.007434	19.4390	ug/L
> Tm	169	804781	722403	2484	0.3	722402.998339		ug/L
Tl	205	6	25	4	17.4	0.000028	0.0121	ug/L
Pb	208	72	4021	17	0.4	0.005476	2.2458	ug/L
C	13	20307	17754	72	0.4	-2553.002803		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	88.001
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	90.852
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	90.266
Sb	121	
> Tm	169	89.764
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV8

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 18:24:43

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCV8.126

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	973	22	2.2	0.001574	2.2389	ug/L
> Sc	45	719009	610280	10616	1.7	610279.785858		ug/L
Cr	52	3658	92577	1581	1.7	0.146610	26.2567	ug/L
Cr	53	21604	22365	993	4.4	0.006608	8.4348	ug/L
Cu	65	36	11136	145	1.3	0.023547	10.2956	ug/L
Cu	63	38	23246	561	2.4	0.049215	10.4226	ug/L
> Ge	74	540384	471634	7584	1.6	471634.087778		ug/L
As	75	-96	6105	244	4.0	0.013119	10.7520	ug/L
As-1	75	2889	8349	132	1.6	0.012357	10.4163	ug/L
Se	77	1993	2080	9	0.4	0.000329	7.3493	ug/L
Se	82	13	1044	32	3.0	0.001021	19.7672	ug/L
Ag	107	23	6378	143	2.2	0.006294	2.0279	ug/L
Ag	109	21	6358	88	1.4	0.006276	2.0337	ug/L
Cd	111	11	755	26	3.4	0.000738	1.1135	ug/L
Cd	114	28	1649	43	2.6	0.001607	1.0366	ug/L
> In	115	1151262	1010221	17522	1.7	1010221.093947		ug/L
Sb	121	56	4250	51	1.2	0.004158	2.1741	ug/L
> Tm	169	804781	729916	16255	2.2	729916.434286		ug/L
Tl	205	6	3358	109	3.3	0.004593	0.5088	ug/L
Pb	208	72	44649	712	1.6	0.061087	5.0363	ug/L
C	13	20307	15598	150	1.0	-4708.951520		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	84.878
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	87.278
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.749
Sb	121	
> Tm	169	90.697
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB8

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 18:26:59

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCB8.127

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	12	4	34.6	-0.000002	-0.0076	ug/L
> Sc	45	719009	601038	4240	0.7	601037.699725		ug/L
Cr	52	3658	1742	106	6.1	-0.002190	-0.4396	ug/L
Cr	53	21604	7744	105	1.4	-0.017164	-24.4706	ug/L
Cu	65	36	28	8	29.0	-0.000007	0.0101	ug/L
Cu	63	38	42	10	22.7	0.000019	0.0071	ug/L
> Ge	74	540384	471487	3895	0.8	471486.621412		ug/L
As	75	-96	12	97	818.2	0.000202	0.0374	ug/L
As-1	75	2889	2485	56	2.2	-0.000074	0.1238	ug/L
Se	77	1993	651	21	3.2	-0.001091	-23.9387	ug/L
Se	82	13	3	9	257.7	-0.000008	0.0240	ug/L
Ag	107	23	36	13	37.4	0.000016	0.0066	ug/L
Ag	109	21	34	2	4.5	0.000015	0.0053	ug/L
Cd	111	11	10	6	59.1	0.000000	-0.0004	ug/L
Cd	114	28	15	5	32.1	-0.000010	-0.0046	ug/L
> In	115	1151262	1017694	8323	0.8	1017693.582073		ug/L
Sb	121	56	25	2	8.4	-0.000024	-0.0140	ug/L
> Tm	169	804781	729094	3173	0.4	729093.915628		ug/L
Tl	205	6	6	2	36.7	0.000001	-0.0006	ug/L
Pb	208	72	71	3	3.7	0.000008	-0.0019	ug/L
C	13	20307	15057	37	0.2	-5249.529249		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	83.593
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	87.250
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	88.398
Sb	121	
> Tm	169	90.595
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245020-15RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:29:18

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 235

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245020-15RE1.128

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	15	1	6.7	0.000003	-0.0001	ug/L
> Sc	45	719009	605220	758	0.1	605219.685231		ug/L
Cr	52	3658	2153	57	2.6	-0.001531	-1.6072	ug/L
Cr	53	21604	2260	240	10.6	-0.026312	-185.6677	ug/L
Cu	65	36	746	31	4.1	0.001499	3.3400	ug/L
Cu	63	38	1564	37	2.4	0.003212	3.4164	ug/L
> Ge	74	540384	476526	1756	0.4	476526.391192		ug/L
As	75	-96	15746	59	0.4	0.033221	137.1345	ug/L
As-1	75	2889	18208	99	0.5	0.032864	136.9764	ug/L
Se	77	1993	69	7	9.8	-0.001662	-182.5695	ug/L
Se	82	13	1	4	397.5	-0.000011	-0.1008	ug/L
Ag	107	23	411	31	7.7	0.000390	0.6356	ug/L
Ag	109	21	263	14	5.5	0.000244	0.3974	ug/L
Cd	111	11	60	1	1.9	0.000050	0.3755	ug/L
Cd	114	28	41	12	29.9	0.000016	0.0619	ug/L
> In	115	1151262	1003151	2381	0.2	1003150.984860		ug/L
Sb	121	56	4047	124	3.1	0.003985	10.4181	ug/L
> Tm	169	804781	698812	5167	0.7	698811.693226		ug/L
Tl	205	6	28	2	5.5	0.000033	0.0148	ug/L
Pb	208	72	3803	53	1.4	0.005352	2.1946	ug/L
C	13	20307	16887	161	1.0	-3420.318795		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	84.174
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	88.183
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.135
Sb	121	
> Tm	169	86.832
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247011-03RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:31:31

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 236

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1247011-03RE1.129

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	13	7	55.5	-0.000001	-0.0303	ug/L
> Sc	45	719009	616171	1503	0.2	616170.578635		ug/L
Cr	52	3658	1727	116	6.7	-0.002285	-2.2841	ug/L
Cr	53	21604	1568	80	5.1	-0.027502	-193.9042	ug/L
Cu	65	36	1864	65	3.5	0.003799	8.3615	ug/L
Cu	63	38	3791	41	1.1	0.007793	8.2650	ug/L
> Ge	74	540384	482197	539	0.1	482196.526209		ug/L
As	75	-96	8647	46	0.5	0.018110	74.4619	ug/L
As-1	75	2889	11158	81	0.7	0.017794	74.5895	ug/L
Se	77	1993	62	6	8.8	-0.001669	-183.4236	ug/L
Se	82	13	17	6	35.8	0.000005	1.3823	ug/L
Ag	107	23	456	31	6.7	0.000429	0.6985	ug/L
Ag	109	21	317	13	4.1	0.000294	0.4781	ug/L
Cd	111	11	59	4	6.0	0.000048	0.3574	ug/L
Cd	114	28	38	4	9.7	0.000013	0.0503	ug/L
> In	115	1151262	1015928	4647	0.5	1015928.405820		ug/L
Sb	121	56	822	11	1.4	0.000760	1.9832	ug/L
> Tm	169	804781	713943	564	0.1	713942.734028		ug/L
Tl	205	6	95	11	11.1	0.000126	0.0667	ug/L
Pb	208	72	1259	20	1.6	0.001674	0.6774	ug/L
C	13	20307	16120	179	1.1	-4187.375818		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	85.697
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	89.232
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	88.245
Sb	121	
> Tm	169	88.713
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248034-01RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:33:46

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 237

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248034-01RE1.130

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	13	5	35.3	-0.000000	-0.0263	ug/L
> Sc	45	719009	615214	4283	0.7	615214.151707		ug/L
Cr	52	3658	23218	90	0.4	0.032653	29.0574	ug/L
Cr	53	21604	3740	24	0.6	-0.023968	-169.4441	ug/L
Cu	65	36	1720	17	1.0	0.003534	7.7820	ug/L
Cu	63	38	3505	65	1.8	0.007267	7.7091	ug/L
> Ge	74	540384	477729	1843	0.4	477729.476723		ug/L
As	75	-96	1674	75	4.5	0.003681	14.6143	ug/L
As-1	75	2889	4132	56	1.4	0.003304	14.6029	ug/L
Se	77	1993	67	8	12.5	-0.001664	-182.8487	ug/L
Se	82	13	10	18	177.9	-0.000002	0.7602	ug/L
Ag	107	23	502	22	4.4	0.000482	0.7837	ug/L
Ag	109	21	331	8	2.5	0.000312	0.5077	ug/L
Cd	111	11	65	5	8.1	0.000055	0.4117	ug/L
Cd	114	28	47	1	1.6	0.000022	0.0813	ug/L
> In	115	1151262	1001110	1291	0.1	1001110.217745		ug/L
Sb	121	56	19581	104	0.5	0.019511	51.0266	ug/L
> Tm	169	804781	709507	3541	0.5	709506.896478		ug/L
Tl	205	6	757	30	3.9	0.001060	0.5849	ug/L
Pb	208	72	5768	126	2.2	0.008040	3.3033	ug/L
C	13	20307	15944	39	0.2	-4362.685688		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	85.564
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	88.406
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	86.958
Sb	121	
> Tm	169	88.161
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122318-DUP4

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:36:00

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 238

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122120-DUP4.131

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	14	2	14.3	0.000002	-0.0126	ug/L
> Sc	45	719009	608265	5295	0.9	608265.114855		ug/L
Cr	52	3658	25564	223	0.9	0.036941	32.9041	ug/L
Cr	53	21604	4027	46	1.1	-0.023427	-165.6954	ug/L
Cu	65	36	1762	34	1.9	0.003655	8.0469	ug/L
Cu	63	38	3608	71	2.0	0.007550	8.0080	ug/L
> Ge	74	540384	473591	4600	1.0	473590.741067		ug/L
As	75	-96	1928	73	3.8	0.004247	16.9627	ug/L
As-1	75	2889	4411	22	0.5	0.003970	17.3595	ug/L
Se	77	1993	54	4	7.8	-0.001677	-184.2228	ug/L
Se	82	13	24	14	58.3	0.000012	2.0868	ug/L
Ag	107	23	493	14	2.9	0.000478	0.7763	ug/L
Ag	109	21	333	13	3.8	0.000317	0.5164	ug/L
Cd	111	11	62	9	14.1	0.000053	0.3936	ug/L
Cd	114	28	42	1	1.7	0.000017	0.0652	ug/L
> In	115	1151262	992124	10555	1.1	992124.336145		ug/L
Sb	121	56	20251	97	0.5	0.020364	53.2568	ug/L
> Tm	169	804781	693994	16058	2.3	693994.058333		ug/L
Tl	205	6	756	36	4.8	0.001081	0.5966	ug/L
Pb	208	72	6655	105	1.6	0.009502	3.9061	ug/L
C	13	20307	16260	110	0.7	-4047.127120		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	84.598
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	87.640
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	86.177
Sb	121	
> Tm	169	86.234
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122318-MS4

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:38:15

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 239

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122120-MS4.132

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	333	4	1.1	0.000526	3.7258	ug/L
> Sc	45	719009	608082	4210	0.7	608082.117828		ug/L
Cr	52	3658	84435	1147	1.4	0.133777	119.7714	ug/L
Cr	53	21604	10863	69	0.6	-0.012182	-87.8734	ug/L
Cu	65	36	6289	88	1.4	0.013163	28.8053	ug/L
Cu	63	38	12972	210	1.6	0.027217	28.8273	ug/L
> Ge	74	540384	475419	5755	1.2	475418.610803		ug/L
As	75	-96	21549	31	0.1	0.045508	188.0945	ug/L
As-1	75	2889	23911	95	0.4	0.044954	187.0249	ug/L
Se	77	1993	452	13	2.9	-0.001276	-140.0996	ug/L
Se	82	13	514	11	2.1	0.000505	49.3423	ug/L
Ag	107	23	6904	167	2.4	0.006923	11.1510	ug/L
Ag	109	21	6610	144	2.2	0.006629	10.7400	ug/L
Cd	111	11	350	27	7.8	0.000342	2.5812	ug/L
Cd	114	28	669	12	1.8	0.000648	2.0962	ug/L
> In	115	1151262	994509	2008	0.2	994509.343746		ug/L
Sb	121	56	24508	290	1.2	0.024595	64.3248	ug/L
> Tm	169	804781	697043	10977	1.6	697043.088363		ug/L
Tl	205	6	3052	45	1.5	0.004372	2.4216	ug/L
Pb	208	72	10980	164	1.5	0.015668	6.4492	ug/L
C	13	20307	16086	120	0.7	-4220.768865		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	84.572
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	87.978
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	86.384
Sb	121	
> Tm	169	86.613
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248034-02RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:40:29

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 240

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248034-02RE1.133

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	21	3	12.6	0.000013	0.0650	ug/L
> Sc	45	719009	618381	13648	2.2	618381.135614		ug/L
Cr	52	3658	10306	235	2.3	0.011578	10.1517	ug/L
Cr	53	21604	1992	55	2.7	-0.026825	-189.2175	ug/L
Cu	65	36	3640	58	1.6	0.007537	16.5213	ug/L
Cu	63	38	7036	282	4.0	0.014622	15.4948	ug/L
> Ge	74	540384	478743	6734	1.4	478743.194738		ug/L
As	75	-96	360	32	9.0	0.000928	3.1980	ug/L
As-1	75	2889	2891	16	0.6	0.000695	3.8027	ug/L
Se	77	1993	47	7	14.0	-0.001683	-184.9685	ug/L
Se	82	13	-14	7	50.9	-0.000026	-1.5337	ug/L
Ag	107	23	417	20	4.9	0.000399	0.6501	ug/L
Ag	109	21	297	2	0.7	0.000281	0.4569	ug/L
Cd	111	11	136	7	4.8	0.000127	0.9530	ug/L
Cd	114	28	228	29	12.7	0.000204	0.6656	ug/L
> In	115	1151262	995120	27185	2.7	995120.045095		ug/L
Sb	121	56	702	28	4.0	0.000657	1.7121	ug/L
> Tm	169	804781	689833	21500	3.1	689833.290565		ug/L
Tl	205	6	15	2	10.0	0.000015	0.0052	ug/L
Pb	208	72	122970	3735	3.0	0.178176	73.4725	ug/L
C	13	20307	16713	310	1.9	-3594.303978		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	86.005
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	88.593
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	86.437
Sb	121	
> Tm	169	85.717
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248034-03RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:42:43

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 241

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248034-03RE1.134

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	18	2	11.4	0.000008	0.0326	ug/L
> Sc	45	719009	624674	4315	0.7	624674.043410		ug/L
Cr	52	3658	50914	558	1.1	0.076416	68.3159	ug/L
Cr	53	21604	6723	51	0.8	-0.019285	-137.0345	ug/L
Cu	65	36	23735	53	0.2	0.048978	107.0014	ug/L
Cu	63	38	48690	63	0.1	0.100541	106.4459	ug/L
> Ge	74	540384	483955	3016	0.6	483954.652733		ug/L
As	75	-96	2582	58	2.2	0.005513	22.2131	ug/L
As-1	75	2889	5044	61	1.2	0.005077	21.9455	ug/L
Se	77	1993	56	3	6.2	-0.001675	-184.0971	ug/L
Se	82	13	41	7	17.2	0.000029	3.6561	ug/L
Ag	107	23	15136	110	0.7	0.014923	24.0298	ug/L
Ag	109	21	14712	123	0.8	0.014504	23.4977	ug/L
Cd	111	11	1732	34	2.0	0.001700	12.8330	ug/L
Cd	114	28	3896	96	2.5	0.003821	12.3100	ug/L
> In	115	1151262	1013028	10614	1.0	1013027.759403		ug/L
Sb	121	56	53498	305	0.6	0.052763	137.9998	ug/L
> Tm	169	804781	714621	6437	0.9	714620.696604		ug/L
Tl	205	6	302	31	10.3	0.000415	0.2272	ug/L
Pb	208	72	76855	789	1.0	0.107460	44.3072	ug/L
C	13	20307	16109	105	0.7	-4198.396098		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	86.880
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	89.558
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.993
Sb	121	
> Tm	169	88.797
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248034-04RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:44:57

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 242

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248034-04RE1.135

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	18	8	47.1	0.000007	0.0243	ug/L
> Sc	45	719009	627725	4459	0.7	627724.852114		ug/L
Cr	52	3658	4225	43	1.0	0.001643	1.2401	ug/L
Cr	53	21604	1138	53	4.7	-0.028234	-198.9672	ug/L
Cu	65	36	10688	204	1.9	0.022060	48.2306	ug/L
Cu	63	38	21924	84	0.4	0.045311	47.9811	ug/L
> Ge	74	540384	483117	3158	0.7	483117.188008		ug/L
As	75	-96	18804	20	0.1	0.039099	161.5151	ug/L
As-1	75	2889	21212	15	0.1	0.038562	160.5626	ug/L
Se	77	1993	51	2	3.0	-0.001681	-184.6646	ug/L
Se	82	13	29	9	32.6	0.000017	2.5524	ug/L
Ag	107	23	1853	34	1.8	0.001813	2.9260	ug/L
Ag	109	21	1642	37	2.3	0.001606	2.6038	ug/L
Cd	111	11	152	8	5.0	0.000140	1.0540	ug/L
Cd	114	28	240	16	6.5	0.000212	0.6929	ug/L
> In	115	1151262	1011047	9050	0.9	1011047.107552		ug/L
Sb	121	56	1715	86	5.0	0.001648	4.3046	ug/L
> Tm	169	804781	713723	5134	0.7	713722.599885		ug/L
Tl	205	6	81	7	8.3	0.000106	0.0556	ug/L
Pb	208	72	30973	112	0.4	0.043307	17.8484	ug/L
C	13	20307	16418	111	0.7	-3888.509074		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	87.304
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	89.403
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.821
Sb	121	
> Tm	169	88.685
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248034-05RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:47:11

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 243

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248034-05RE1.136

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	15	5	31.5	0.000002	-0.0088	ug/L
> Sc	45	719009	622430	3381	0.5	622430.487674		ug/L
Cr	52	3658	2179	73	3.3	-0.001588	-1.6585	ug/L
Cr	53	21604	911	10	1.1	-0.028584	-201.3921	ug/L
Cu	65	36	1131	37	3.2	0.002293	5.0720	ug/L
Cu	63	38	2324	42	1.8	0.004778	5.0736	ug/L
> Ge	74	540384	479360	809	0.2	479360.288815		ug/L
As	75	-96	143	18	12.6	0.000474	1.3159	ug/L
As-1	75	2889	2674	23	0.9	0.000234	1.8944	ug/L
Se	77	1993	42	4	8.4	-0.001689	-185.5756	ug/L
Se	82	13	6	7	114.7	-0.000006	0.3542	ug/L
Ag	107	23	328	10	2.9	0.000310	0.5064	ug/L
Ag	109	21	219	16	7.1	0.000201	0.3286	ug/L
Cd	111	11	109	5	4.5	0.000099	0.7457	ug/L
Cd	114	28	148	16	10.9	0.000124	0.4074	ug/L
> In	115	1151262	995441	6412	0.6	995440.634160		ug/L
Sb	121	56	229	13	5.9	0.000182	0.4693	ug/L
> Tm	169	804781	703448	4318	0.6	703448.358527		ug/L
Tl	205	6	6	4	55.5	0.000002	-0.0021	ug/L
Pb	208	72	15464	113	0.7	0.021894	9.0170	ug/L
C	13	20307	16541	66	0.4	-3765.954170		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	86.568
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	88.707
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	86.465
Sb	121	
> Tm	169	87.409
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248034-06RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:49:25

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 244

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248034-06RE1.137

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	4	25.0	0.000006	0.0157	ug/L
> Sc	45	719009	616935	3082	0.5	616934.793102		ug/L
Cr	52	3658	2948	77	2.6	-0.000310	-0.5122	ug/L
Cr	53	21604	897	14	1.6	-0.028593	-201.4488	ug/L
Cu	65	36	1444	47	3.2	0.002960	6.5289	ug/L
Cu	63	38	2896	23	0.8	0.005996	6.3631	ug/L
> Ge	74	540384	477362	3187	0.7	477361.793499		ug/L
As	75	-96	354	12	3.3	0.000918	3.1546	ug/L
As-1	75	2889	2866	19	0.7	0.000659	3.6553	ug/L
Se	77	1993	44	1	1.3	-0.001687	-185.3264	ug/L
Se	82	13	5	5	95.6	-0.000007	0.2566	ug/L
Ag	107	23	429	9	2.1	0.000407	0.6635	ug/L
Ag	109	21	315	26	8.3	0.000296	0.4809	ug/L
Cd	111	11	54	3	4.6	0.000044	0.3295	ug/L
Cd	114	28	60	3	4.4	0.000035	0.1233	ug/L
> In	115	1151262	1005188	2653	0.3	1005187.640152		ug/L
Sb	121	56	362	18	5.1	0.000312	0.8089	ug/L
> Tm	169	804781	699590	2244	0.3	699589.526677		ug/L
Tl	205	6	8	3	33.1	0.000004	-0.0008	ug/L
Pb	208	72	29287	306	1.0	0.041773	17.2158	ug/L
C	13	20307	16228	15	0.1	-4078.516898		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	85.804
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	88.338
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.312
Sb	121	
> Tm	169	86.929
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV9
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 08, 2012 18:51:41

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCV9.138

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	950	17	1.8	0.001578	2.2439	ug/L
> Sc	45	719009	593950	13799	2.3	593949.930645		ug/L
Cr	52	3658	90466	1770	2.0	0.147235	26.3689	ug/L
Cr	53	21604	22059	487	2.2	0.007112	9.1313	ug/L
Cu	65	36	10990	118	1.1	0.023724	10.3727	ug/L
Cu	63	38	22768	457	2.0	0.049212	10.4220	ug/L
> Ge	74	540384	461976	6961	1.5	461975.985486		ug/L
As	75	-96	5998	190	3.2	0.013161	10.7866	ug/L
As-1	75	2889	8235	77	0.9	0.012483	10.5204	ug/L
Se	77	1993	2091	35	1.7	0.000367	8.1909	ug/L
Se	82	13	1031	46	4.5	0.001022	19.7819	ug/L
Ag	107	23	6262	116	1.9	0.006263	2.0180	ug/L
Ag	109	21	6221	123	2.0	0.006224	2.0168	ug/L
Cd	111	11	732	10	1.4	0.000724	1.0930	ug/L
Cd	114	28	1597	79	5.0	0.001577	1.0173	ug/L
> In	115	1151262	996700	17563	1.8	996699.708211		ug/L
Sb	121	56	4134	105	2.5	0.004099	2.1428	ug/L
> Tm	169	804781	711952	3632	0.5	711951.738791		ug/L
Tl	205	6	3322	35	1.0	0.004659	0.5161	ug/L
Pb	208	72	43589	898	2.1	0.061131	5.0399	ug/L
C	13	20307	15419	237	1.5	-4888.255772		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	82.607
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	85.490
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	86.575
Sb	121	
> Tm	169	88.465
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB9

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 18:53:57

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCB9.139

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	10	4	36.6	-0.000004	-0.0105	ug/L
> Sc	45	719009	590631	7816	1.3	590630.841941		ug/L
Cr	52	3658	1717	42	2.4	-0.002181	-0.4382	ug/L
Cr	53	21604	7795	231	3.0	-0.016847	-24.0324	ug/L
Cu	65	36	33	7	21.3	0.000007	0.0161	ug/L
Cu	63	38	55	21	37.6	0.000050	0.0138	ug/L
> Ge	74	540384	459420	4739	1.0	459419.651288		ug/L
As	75	-96	26	78	303.3	0.000233	0.0632	ug/L
As-1	75	2889	2460	139	5.6	0.000009	0.1926	ug/L
Se	77	1993	679	25	3.6	-0.001048	-22.9812	ug/L
Se	82	13	-1	9	976.9	-0.000012	-0.0566	ug/L
Ag	107	23	39	23	59.6	0.000019	0.0077	ug/L
Ag	109	21	36	13	37.0	0.000018	0.0062	ug/L
Cd	111	11	10	4	39.2	-0.000000	-0.0010	ug/L
Cd	114	28	26	0	1.5	0.000001	0.0028	ug/L
> In	115	1151262	993896	12298	1.2	993896.364910		ug/L
Sb	121	56	33	4	11.6	-0.000016	-0.0095	ug/L
> Tm	169	804781	712895	13475	1.9	712894.676538		ug/L
Tl	205	6	7	3	41.7	0.000003	-0.0003	ug/L
Pb	208	72	76	21	27.3	0.000017	-0.0011	ug/L
C	13	20307	15121	58	0.4	-5186.090677		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	82.145
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	85.017
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	86.331
Sb	121	
> Tm	169	88.582
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248034-07RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:56:15

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 245

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248034-07RE1.140

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	14	5	33.0	0.000003	-0.0050	ug/L
> Sc	45	719009	595344	2845	0.5	595343.748197		ug/L
Cr	52	3658	1914	105	5.5	-0.001873	-1.9143	ug/L
Cr	53	21604	2134	239	11.2	-0.026461	-186.6998	ug/L
Cu	65	36	290	19	6.6	0.000552	1.2708	ug/L
Cu	63	38	533	44	8.2	0.001066	1.1442	ug/L
> Ge	74	540384	469416	546	0.1	469416.332262		ug/L
As	75	-96	6500	71	1.1	0.014025	57.5166	ug/L
As-1	75	2889	8953	75	0.8	0.013728	57.7575	ug/L
Se	77	1993	59	6	9.4	-0.001671	-183.5871	ug/L
Se	82	13	5	6	132.9	-0.000007	0.2604	ug/L
Ag	107	23	443	13	3.0	0.000430	0.6991	ug/L
Ag	109	21	291	16	5.4	0.000277	0.4511	ug/L
Cd	111	11	52	5	9.8	0.000043	0.3225	ug/L
Cd	114	28	30	8	26.4	0.000006	0.0285	ug/L
> In	115	1151262	985408	4174	0.4	985408.494635		ug/L
Sb	121	56	6963	54	0.8	0.007018	18.3494	ug/L
> Tm	169	804781	697707	5064	0.7	697707.134637		ug/L
Tl	205	6	56	9	16.5	0.000074	0.0377	ug/L
Pb	208	72	1292	29	2.2	0.001763	0.7142	ug/L
C	13	20307	15368	158	1.0	-4939.343315		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	82.801
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	86.867
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	85.594
Sb	121	
> Tm	169	86.695
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248034-08RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 18:58:28

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 246

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248034-08RE1.141

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	2	8.8	0.000008	0.0306	ug/L
> Sc	45	719009	595831	3826	0.6	595830.699866		ug/L
Cr	52	3658	1586	126	8.0	-0.002427	-2.4114	ug/L
Cr	53	21604	1450	75	5.2	-0.027614	-194.6741	ug/L
Cu	65	36	221	16	7.4	0.000409	0.9600	ug/L
Cu	63	38	456	21	4.5	0.000912	0.9814	ug/L
> Ge	74	540384	464639	4259	0.9	464638.987965		ug/L
As	75	-96	6122	34	0.6	0.013353	54.7324	ug/L
As-1	75	2889	8555	45	0.5	0.013068	55.0231	ug/L
Se	77	1993	52	2	4.0	-0.001678	-184.3407	ug/L
Se	82	13	5	7	130.1	-0.000006	0.3300	ug/L
Ag	107	23	414	10	2.5	0.000405	0.6600	ug/L
Ag	109	21	282	21	7.4	0.000271	0.4420	ug/L
Cd	111	11	42	8	17.7	0.000034	0.2493	ug/L
Cd	114	28	22	6	29.2	-0.000002	0.0031	ug/L
> In	115	1151262	974204	9244	0.9	974204.446385		ug/L
Sb	121	56	6347	154	2.4	0.006466	16.9055	ug/L
> Tm	169	804781	685802	10038	1.5	685801.893190		ug/L
Tl	205	6	58	4	7.5	0.000078	0.0398	ug/L
Pb	208	72	1102	15	1.3	0.001517	0.6131	ug/L
C	13	20307	15590	99	0.6	-4716.965709		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	82.868
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	85.983
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	84.621
Sb	121	
> Tm	169	85.216
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248034-09RE1

Sample Description: 5x

Batch ID: B122318

Sample Date/Time: Saturday, December 08, 2012 19:00:41

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 247

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248034-09RE1.142

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	18	6	30.9	0.000008	0.0331	ug/L
> Sc	45	719009	610874	2746	0.4	610873.586952		ug/L
Cr	52	3658	8360	26	0.3	0.008597	7.4779	ug/L
Cr	53	21604	2021	20	1.0	-0.026739	-188.6197	ug/L
Cu	65	36	19632	83	0.4	0.041579	90.8480	ug/L
Cu	63	38	40585	537	1.3	0.086024	91.0791	ug/L
> Ge	74	540384	471422	1780	0.4	471421.637215		ug/L
As	75	-96	678	43	6.4	0.001615	6.0462	ug/L
As-1	75	2889	3154	36	1.1	0.001344	6.4908	ug/L
Se	77	1993	44	4	8.2	-0.001686	-185.2606	ug/L
Se	82	13	0	6	18470.9	-0.000012	-0.1956	ug/L
Ag	107	23	630	15	2.4	0.000621	1.0067	ug/L
Ag	109	21	496	10	2.1	0.000486	0.7894	ug/L
Cd	111	11	137	9	6.6	0.000129	0.9696	ug/L
Cd	114	28	225	10	4.6	0.000204	0.6655	ug/L
> In	115	1151262	984504	4431	0.5	984503.619400		ug/L
Sb	121	56	779	6	0.7	0.000742	1.9356	ug/L
> Tm	169	804781	694784	1720	0.2	694784.449600		ug/L
Tl	205	6	14	6	43.4	0.000013	0.0041	ug/L
Pb	208	72	76478	1073	1.4	0.109983	45.3478	ug/L
C	13	20307	15957	54	0.3	-4350.330656		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	84.961
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	87.238
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	85.515
Sb	121	
> Tm	169	86.332
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122319-BS1

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:02:54

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 248

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122242-BS1.143

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	512	22	4.3	0.000821	5.8233	ug/L
> Sc	45	719009	608498	1020	0.2	608498.058035		ug/L
Cr	52	3658	34368	111	0.3	0.051392	45.8672	ug/L
Cr	53	21604	5051	79	1.6	-0.021746	-154.0670	ug/L
Cu	65	36	85	2	1.8	0.000112	0.3115	ug/L
Cu	63	38	151	2	1.4	0.000249	0.2791	ug/L
> Ge	74	540384	474566	887	0.2	474566.336016		ug/L
As	75	-96	5321	79	1.5	0.011389	46.5840	ug/L
As-1	75	2889	7706	101	1.3	0.010893	46.0188	ug/L
Se	77	1993	539	6	1.1	-0.001193	-130.9097	ug/L
Se	82	13	652	20	3.1	0.000639	62.2027	ug/L
Ag	107	23	7001	79	1.1	0.006971	11.2290	ug/L
Ag	109	21	6735	41	0.6	0.006708	10.8684	ug/L
Cd	111	11	55	4	7.9	0.000045	0.3362	ug/L
Cd	114	28	23	5	20.0	-0.000002	0.0040	ug/L
> In	115	1151262	1001413	7277	0.7	1001412.556535		ug/L
Sb	121	56	7494	69	0.9	0.007435	19.4420	ug/L
> Tm	169	804781	691246	1254	0.2	691246.003295		ug/L
Tl	205	6	13194	188	1.4	0.019079	10.5783	ug/L
Pb	208	72	143	34	24.1	0.000117	0.0356	ug/L
C	13	20307	16013	134	0.8	-4294.231599		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	84.630
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	87.820
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	86.984
Sb	121	
> Tm	169	85.892
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122319-MS3

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:05:09

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 249

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122242-MS3.144

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	752	16	2.1	0.001217	8.6455	ug/L
> Sc	45	719009	607769	5005	0.8	607768.745077		ug/L
Cr	52	3658	34836	294	0.8	0.052233	46.6223	ug/L
Cr	53	21604	4844	41	0.9	-0.022077	-156.3529	ug/L
Cu	65	36	298	25	8.4	0.000562	1.2935	ug/L
Cu	63	38	612	19	3.0	0.001219	1.3068	ug/L
> Ge	74	540384	474833	2268	0.5	474833.225978		ug/L
As	75	-96	6219	165	2.6	0.013275	54.4093	ug/L
As-1	75	2889	8578	81	0.9	0.012720	53.5833	ug/L
Se	77	1993	554	39	7.0	-0.001177	-129.1633	ug/L
Se	82	13	628	8	1.3	0.000617	60.0574	ug/L
Ag	107	23	6829	11	0.2	0.006811	10.9709	ug/L
Ag	109	21	6661	23	0.3	0.006644	10.7646	ug/L
Cd	111	11	75	7	9.4	0.000065	0.4903	ug/L
Cd	114	28	59	7	11.9	0.000035	0.1211	ug/L
> In	115	1151262	999792	1597	0.2	999792.364848		ug/L
Sb	121	56	11932	60	0.5	0.011886	31.0816	ug/L
> Tm	169	804781	700571	4666	0.7	700570.825496		ug/L
Tl	205	6	13134	128	1.0	0.018741	10.3905	ug/L
Pb	208	72	164	5	3.1	0.000145	0.0471	ug/L
C	13	20307	15860	111	0.7	-4446.832291		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	84.529
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	87.870
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	86.843
Sb	121	
> Tm	169	87.051
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-01RE1

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:07:24

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 250

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248018-01RE1.145

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	58	6	11.0	0.000072	0.4855	ug/L
> Sc	45	719009	620496	4060	0.7	620495.888515		ug/L
Cr	52	3658	13435	467	3.5	0.016562	14.6227	ug/L
Cr	53	21604	2274	73	3.2	-0.026383	-186.1544	ug/L
Cu	65	36	1516	31	2.0	0.003095	6.8243	ug/L
Cu	63	38	2957	64	2.1	0.006098	6.4709	ug/L
> Ge	74	540384	479491	3646	0.8	479491.365991		ug/L
As	75	-96	108	42	38.5	0.000402	1.0148	ug/L
As-1	75	2889	2606	46	1.8	0.000090	1.2980	ug/L
Se	77	1993	46	5	10.0	-0.001685	-185.1429	ug/L
Se	82	13	0	9	8675.3	-0.000011	-0.1877	ug/L
Ag	107	23	484	43	8.9	0.000461	0.7505	ug/L
Ag	109	21	291	29	9.9	0.000271	0.4418	ug/L
Cd	111	11	62	12	18.6	0.000052	0.3870	ug/L
Cd	114	28	46	5	11.0	0.000021	0.0757	ug/L
> In	115	1151262	1005029	4097	0.4	1005029.102718		ug/L
Sb	121	56	230	9	4.0	0.000180	0.4645	ug/L
> Tm	169	804781	697736	2971	0.4	697735.652816		ug/L
Tl	205	6	90	10	10.9	0.000122	0.0647	ug/L
Pb	208	72	7141	99	1.4	0.010146	4.1715	ug/L
C	13	20307	15990	47	0.3	-4316.938753		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	86.299
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	88.732
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.298
Sb	121	
> Tm	169	86.699
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-02RE1

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:09:38

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 251

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248018-02RE1.146

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	13	4	26.3	0.000000	-0.0224	ug/L
> Sc	45	719009	616191	1902	0.3	616190.580146		ug/L
Cr	52	3658	1562	52	3.4	-0.002553	-2.5239	ug/L
Cr	53	21604	832	43	5.1	-0.028697	-202.1723	ug/L
Cu	65	36	245	27	11.0	0.000444	1.0346	ug/L
Cu	63	38	367	11	3.0	0.000694	0.7505	ug/L
> Ge	74	540384	480633	2099	0.4	480632.695542		ug/L
As	75	-96	23	25	105.6	0.000225	0.2835	ug/L
As-1	75	2889	2615	29	1.1	0.000096	1.3237	ug/L
Se	77	1993	49	4	8.4	-0.001682	-184.7961	ug/L
Se	82	13	-3	12	396.4	-0.000014	-0.4687	ug/L
Ag	107	23	436	11	2.5	0.000412	0.6713	ug/L
Ag	109	21	282	8	3.0	0.000261	0.4252	ug/L
Cd	111	11	49	6	12.2	0.000039	0.2905	ug/L
Cd	114	28	36	19	54.3	0.000011	0.0441	ug/L
> In	115	1151262	1008577	13803	1.4	1008576.698118		ug/L
Sb	121	56	451	43	9.5	0.000399	1.0372	ug/L
> Tm	169	804781	697858	11099	1.6	697857.576496		ug/L
Tl	205	6	11	4	32.8	0.000009	0.0016	ug/L
Pb	208	72	270	32	11.8	0.000298	0.1101	ug/L
C	13	20307	16139	222	1.4	-4167.673614		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	85.700
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	88.943
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.606
Sb	121	
> Tm	169	86.714
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-03RE1

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:11:52

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 252

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248018-03RE1.147

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	20	2	7.5	0.000012	0.0593	ug/L
> Sc	45	719009	614175	1740	0.3	614175.130653		ug/L
Cr	52	3658	1510	7	0.4	-0.002630	-2.5934	ug/L
Cr	53	21604	800	20	2.5	-0.028744	-202.4983	ug/L
Cu	65	36	128	10	8.2	0.000201	0.5047	ug/L
Cu	63	38	265	9	3.3	0.000482	0.5264	ug/L
> Ge	74	540384	479671	2000	0.4	479670.822719		ug/L
As	75	-96	33	17	53.3	0.000245	0.3642	ug/L
As-1	75	2889	2668	29	1.1	0.000218	1.8270	ug/L
Se	77	1993	40	5	11.4	-0.001691	-185.8305	ug/L
Se	82	13	-4	7	181.5	-0.000015	-0.5450	ug/L
Ag	107	23	435	13	3.1	0.000413	0.6728	ug/L
Ag	109	21	273	18	6.6	0.000254	0.4138	ug/L
Cd	111	11	50	11	22.5	0.000040	0.2976	ug/L
Cd	114	28	26	8	30.7	0.000001	0.0124	ug/L
> In	115	1151262	1004103	8459	0.8	1004103.414403		ug/L
Sb	121	56	227	9	3.8	0.000177	0.4583	ug/L
> Tm	169	804781	703516	7150	1.0	703516.036188		ug/L
Tl	205	6	7	2	31.2	0.000002	-0.0019	ug/L
Pb	208	72	116	3	2.5	0.000075	0.0181	ug/L
C	13	20307	16047	125	0.8	-4260.171700		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	85.420
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	88.765
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.218
Sb	121	
> Tm	169	87.417
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-04RE1

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:14:07

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 253

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248018-04RE1.148

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	15	2	10.0	0.000004	0.0009	ug/L
> Sc	45	719009	615204	2680	0.4	615204.492770		ug/L
Cr	52	3658	1494	70	4.7	-0.002660	-2.6201	ug/L
Cr	53	21604	743	36	4.9	-0.028840	-203.1622	ug/L
Cu	65	36	166	16	9.5	0.000280	0.6774	ug/L
Cu	63	38	281	7	2.6	0.000515	0.5615	ug/L
> Ge	74	540384	479765	310	0.1	479765.143905		ug/L
As	75	-96	25	19	76.1	0.000230	0.3008	ug/L
As-1	75	2889	2556	45	1.8	-0.000018	0.8512	ug/L
Se	77	1993	43	6	14.8	-0.001688	-185.4241	ug/L
Se	82	13	-5	8	148.2	-0.000017	-0.7015	ug/L
Ag	107	23	424	18	4.3	0.000403	0.6565	ug/L
Ag	109	21	287	9	3.1	0.000268	0.4362	ug/L
Cd	111	11	56	6	9.8	0.000046	0.3456	ug/L
Cd	114	28	32	9	26.4	0.000008	0.0342	ug/L
> In	115	1151262	1002898	6090	0.6	1002897.855919		ug/L
Sb	121	56	363	14	3.9	0.000314	0.8145	ug/L
> Tm	169	804781	708098	7687	1.1	708097.649237		ug/L
Tl	205	6	8	6	69.6	0.000004	-0.0009	ug/L
Pb	208	72	149	14	9.5	0.000121	0.0370	ug/L
C	13	20307	16051	220	1.4	-4255.829518		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	85.563
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	88.782
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.113
Sb	121	
> Tm	169	87.986
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122319-DUP1

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:16:21

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 254

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122242-DUP1.149

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	11	1	5.1	-0.000003	-0.0452	ug/L
> Sc	45	719009	614294	4545	0.7	614293.669907		ug/L
Cr	52	3658	1365	71	5.2	-0.002865	-2.8039	ug/L
Cr	53	21604	733	12	1.7	-0.028854	-203.2615	ug/L
Cu	65	36	140	6	3.9	0.000228	0.5630	ug/L
Cu	63	38	274	16	5.7	0.000506	0.5520	ug/L
> Ge	74	540384	475651	2977	0.6	475651.157816		ug/L
As	75	-96	59	40	68.7	0.000300	0.5944	ug/L
As-1	75	2889	2585	55	2.1	0.000090	1.2995	ug/L
Se	77	1993	36	14	39.0	-0.001695	-186.2050	ug/L
Se	82	13	-7	8	114.3	-0.000018	-0.8265	ug/L
Ag	107	23	470	24	5.0	0.000448	0.7285	ug/L
Ag	109	21	276	17	6.3	0.000256	0.4176	ug/L
Cd	111	11	53	3	6.1	0.000043	0.3170	ug/L
Cd	114	28	35	6	16.7	0.000010	0.0409	ug/L
> In	115	1151262	1005133	8616	0.9	1005132.808791		ug/L
Sb	121	56	311	19	6.2	0.000261	0.6755	ug/L
> Tm	169	804781	699767	5364	0.8	699767.230077		ug/L
Tl	205	6	8	1	12.5	0.000004	-0.0008	ug/L
Pb	208	72	180	16	9.0	0.000167	0.0562	ug/L
C	13	20307	15997	102	0.6	-4309.592215		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	85.436
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	88.021
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.307
Sb	121	
> Tm	169	86.951
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVA

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 19:18:37

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCVA.150

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	974	18	1.8	0.001598	2.2725	ug/L
> Sc	45	719009	601305	5575	0.9	601304.614396		ug/L
Cr	52	3658	91554	645	0.7	0.147174	26.3579	ug/L
Cr	53	21604	22064	777	3.5	0.006656	8.4999	ug/L
Cu	65	36	11103	26	0.2	0.023599	10.3183	ug/L
Cu	63	38	22949	264	1.2	0.048844	10.3442	ug/L
> Ge	74	540384	469172	3012	0.6	469171.813431		ug/L
As	75	-96	6183	100	1.6	0.013357	10.9493	ug/L
As-1	75	2889	8371	49	0.6	0.012497	10.5325	ug/L
Se	77	1993	2054	34	1.7	0.000317	7.0973	ug/L
Se	82	13	1080	27	2.5	0.001065	20.6114	ug/L
Ag	107	23	6348	51	0.8	0.006310	2.0331	ug/L
Ag	109	21	6329	104	1.6	0.006293	2.0392	ug/L
Cd	111	11	738	37	5.0	0.000726	1.0960	ug/L
Cd	114	28	1699	31	1.8	0.001669	1.0766	ug/L
> In	115	1151262	1002895	3909	0.4	1002894.500292		ug/L
Sb	121	56	4193	53	1.3	0.004132	2.1602	ug/L
> Tm	169	804781	723876	1620	0.2	723875.728768		ug/L
Tl	205	6	3430	79	2.3	0.004731	0.5241	ug/L
Pb	208	72	44647	495	1.1	0.061587	5.0775	ug/L
C	13	20307	15184	336	2.2	-5122.981614		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	83.630
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	86.822
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.113
Sb	121	
> Tm	169	89.947
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBA

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 19:20:53

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCBA.151

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	15	2	15.7	0.000004	0.0008	ug/L
> Sc	45	719009	578838	8709	1.5	578838.246615		ug/L
Cr	52	3658	1570	119	7.6	-0.002378	-0.4733	ug/L
Cr	53	21604	7442	378	5.1	-0.017193	-24.5105	ug/L
Cu	65	36	20	4	18.6	-0.000021	0.0039	ug/L
Cu	63	38	31	4	11.6	-0.000002	0.0027	ug/L
> Ge	74	540384	455856	9246	2.0	455856.303847		ug/L
As	75	-96	-106	58	54.6	-0.000057	-0.1775	ug/L
As-1	75	2889	2381	56	2.4	-0.000121	0.0848	ug/L
Se	77	1993	674	8	1.1	-0.001043	-22.8722	ug/L
Se	82	13	0	9	21169.5	-0.000011	-0.0376	ug/L
Ag	107	23	34	9	26.1	0.000015	0.0064	ug/L
Ag	109	21	33	9	25.9	0.000016	0.0055	ug/L
Cd	111	11	9	2	24.0	-0.000001	-0.0024	ug/L
Cd	114	28	12	9	71.3	-0.000012	-0.0059	ug/L
> In	115	1151262	979595	13019	1.3	979595.136973		ug/L
Sb	121	56	33	11	32.7	-0.000015	-0.0092	ug/L
> Tm	169	804781	701252	13553	1.9	701252.456433		ug/L
Tl	205	6	4	2	35.3	-0.000001	-0.0007	ug/L
Pb	208	72	74	11	14.6	0.000016	-0.0012	ug/L
C	13	20307	14918	25	0.2	-5389.092416		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	80.505
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	84.358
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	85.089
Sb	121	
> Tm	169	87.136
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122319-MS1

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:23:11

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 255

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122242-MS1.152

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	659	2	0.3	0.001118	7.9397	ug/L
> Sc	45	719009	578640	4553	0.8	578640.387261		ug/L
Cr	52	3658	32546	246	0.8	0.051157	45.6568	ug/L
Cr	53	21604	5728	205	3.6	-0.020147	-142.9954	ug/L
Cu	65	36	137	25	17.9	0.000234	0.5770	ug/L
Cu	63	38	248	27	10.7	0.000473	0.5168	ug/L
> Ge	74	540384	456512	2958	0.6	456512.415809		ug/L
As	75	-96	4216	179	4.3	0.009411	38.3830	ug/L
As-1	75	2889	6566	55	0.8	0.009037	38.3370	ug/L
Se	77	1993	520	11	2.0	-0.001193	-130.9258	ug/L
Se	82	13	564	28	4.9	0.000572	55.7548	ug/L
Ag	107	23	6728	10	0.2	0.006938	11.1754	ug/L
Ag	109	21	6376	112	1.8	0.006575	10.6527	ug/L
Cd	111	11	52	3	5.1	0.000044	0.3275	ug/L
Cd	114	28	16	3	18.9	-0.000008	-0.0168	ug/L
> In	115	1151262	967075	6630	0.7	967074.803900		ug/L
Sb	121	56	5827	98	1.7	0.005976	15.6255	ug/L
> Tm	169	804781	684761	3324	0.5	684760.686732		ug/L
Tl	205	6	12578	136	1.1	0.018362	10.1805	ug/L
Pb	208	72	204	8	4.1	0.000208	0.0730	ug/L
C	13	20307	15218	41	0.3	-5089.262705		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	80.478
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	84.479
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	84.001
Sb	121	
> Tm	169	85.087
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122319-MSD1

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:25:25

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 256

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122242-MSD1.153

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	528	10	1.9	0.000870	6.1756	ug/L
> Sc	45	719009	591977	5699	1.0	591977.377142		ug/L
Cr	52	3658	33229	437	1.3	0.051043	45.5549	ug/L
Cr	53	21604	5237	19	0.4	-0.021200	-150.2845	ug/L
Cu	65	36	127	21	16.1	0.000208	0.5195	ug/L
Cu	63	38	275	17	6.0	0.000522	0.5685	ug/L
> Ge	74	540384	464802	4454	1.0	464802.423938		ug/L
As	75	-96	4702	136	2.9	0.010295	42.0474	ug/L
As-1	75	2889	7026	125	1.8	0.009773	41.3855	ug/L
Se	77	1993	560	45	8.0	-0.001160	-127.2623	ug/L
Se	82	13	613	17	2.8	0.000614	59.8174	ug/L
Ag	107	23	6674	33	0.5	0.006795	10.9458	ug/L
Ag	109	21	6472	118	1.8	0.006591	10.6784	ug/L
Cd	111	11	53	2	2.9	0.000044	0.3275	ug/L
Cd	114	28	24	10	41.1	-0.000000	0.0083	ug/L
> In	115	1151262	979514	14948	1.5	979513.711240		ug/L
Sb	121	56	8376	70	0.8	0.008503	22.2353	ug/L
> Tm	169	804781	690431	18054	2.6	690431.421835		ug/L
Tl	205	6	12783	174	1.4	0.018513	10.2641	ug/L
Pb	208	72	144	13	8.9	0.000119	0.0364	ug/L
C	13	20307	15425	128	0.8	-4881.579250		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	82.332
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	86.013
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	85.082
Sb	121	
> Tm	169	85.791
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-05RE1

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:27:39

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 257

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248018-05RE1.154

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	20	5	25.0	0.000012	0.0629	ug/L
> Sc	45	719009	594355	6562	1.1	594355.274162		ug/L
Cr	52	3658	2922	123	4.2	-0.000171	-0.3872	ug/L
Cr	53	21604	1371	57	4.1	-0.027740	-195.5502	ug/L
Cu	65	36	284	13	4.4	0.000545	1.2554	ug/L
Cu	63	38	529	10	1.8	0.001066	1.1441	ug/L
> Ge	74	540384	465473	6833	1.5	465473.392736		ug/L
As	75	-96	79	56	71.0	0.000349	0.7948	ug/L
As-1	75	2889	2502	96	3.8	0.000032	1.0601	ug/L
Se	77	1993	42	8	19.7	-0.001688	-185.4429	ug/L
Se	82	13	-2	12	615.0	-0.000013	-0.3734	ug/L
Ag	107	23	445	15	3.5	0.000434	0.7063	ug/L
Ag	109	21	282	9	3.2	0.000269	0.4381	ug/L
Cd	111	11	59	4	6.1	0.000050	0.3753	ug/L
Cd	114	28	45	2	5.4	0.000022	0.0786	ug/L
> In	115	1151262	981059	19793	2.0	981058.683104		ug/L
Sb	121	56	257	21	8.3	0.000213	0.5509	ug/L
> Tm	169	804781	689705	12493	1.8	689705.400834		ug/L
Tl	205	6	17	3	19.3	0.000017	0.0063	ug/L
Pb	208	72	892	24	2.7	0.001204	0.4839	ug/L
C	13	20307	15485	168	1.1	-4821.810665		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	82.663
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	86.138
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	85.216
Sb	121	
> Tm	169	85.701
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-06RE1

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:29:52

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 258

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248018-06RE1.155

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	14	2	14.3	0.000002	-0.0107	ug/L
> Sc	45	719009	601210	2220	0.4	601210.481345		ug/L
Cr	52	3658	1356	13	1.0	-0.002832	-2.7745	ug/L
Cr	53	21604	1048	33	3.1	-0.028303	-199.4486	ug/L
Cu	65	36	113	22	19.4	0.000175	0.4491	ug/L
Cu	63	38	206	6	2.9	0.000369	0.4066	ug/L
> Ge	74	540384	468129	1361	0.3	468128.809417		ug/L
As	75	-96	39	3	8.0	0.000261	0.4315	ug/L
As-1	75	2889	2532	48	1.9	0.000062	1.1845	ug/L
Se	77	1993	47	5	9.8	-0.001683	-184.9475	ug/L
Se	82	13	-2	1	44.2	-0.000014	-0.4196	ug/L
Ag	107	23	432	29	6.7	0.000417	0.6792	ug/L
Ag	109	21	272	6	2.1	0.000257	0.4191	ug/L
Cd	111	11	65	3	3.9	0.000056	0.4154	ug/L
Cd	114	28	49	6	12.3	0.000025	0.0897	ug/L
> In	115	1151262	988315	4704	0.5	988314.862144		ug/L
Sb	121	56	301	12	4.1	0.000256	0.6644	ug/L
> Tm	169	804781	693003	2198	0.3	693002.937539		ug/L
Tl	205	6	7	2	22.9	0.000003	-0.0018	ug/L
Pb	208	72	187	11	6.1	0.000181	0.0618	ug/L
C	13	20307	15638	127	0.8	-4668.549097		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	83.617
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	86.629
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	85.846
Sb	121	
> Tm	169	86.111
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-07RE1

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:32:05

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 259

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248018-07RE1.156

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	19	8	41.8	0.000010	0.0494	ug/L
> Sc	45	719009	598910	2803	0.5	598909.926648		ug/L
Cr	52	3658	1621	57	3.5	-0.002382	-2.3704	ug/L
Cr	53	21604	965	37	3.9	-0.028435	-200.3598	ug/L
Cu	65	36	152	9	5.7	0.000257	0.6274	ug/L
Cu	63	38	228	25	10.8	0.000415	0.4549	ug/L
> Ge	74	540384	469414	984	0.2	469413.900842		ug/L
As	75	-96	57	19	33.6	0.000298	0.5843	ug/L
As-1	75	2889	2502	35	1.4	-0.000015	0.8622	ug/L
Se	77	1993	42	2	4.9	-0.001688	-185.4430	ug/L
Se	82	13	-4	9	253.2	-0.000015	-0.5483	ug/L
Ag	107	23	422	32	7.5	0.000410	0.6675	ug/L
Ag	109	21	266	10	3.8	0.000253	0.4114	ug/L
Cd	111	11	57	5	8.8	0.000048	0.3614	ug/L
Cd	114	28	33	9	28.0	0.000009	0.0384	ug/L
> In	115	1151262	983514	6623	0.7	983514.410235		ug/L
Sb	121	56	229	29	12.7	0.000184	0.4759	ug/L
> Tm	169	804781	687029	2996	0.4	687028.504767		ug/L
Tl	205	6	96	4	4.2	0.000133	0.0706	ug/L
Pb	208	72	147	12	8.2	0.000124	0.0385	ug/L
C	13	20307	15639	84	0.5	-4667.881617		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	83.297
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	86.867
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	85.429
Sb	121	
> Tm	169	85.368
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122319-DUP2

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:34:18

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 260

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122242-DUP2.157

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	10	3	26.5	-0.000005	-0.0581	ug/L
> Sc	45	719009	600671	1649	0.3	600670.757540		ug/L
Cr	52	3658	1551	35	2.2	-0.002505	-2.4814	ug/L
Cr	53	21604	883	20	2.3	-0.028577	-201.3387	ug/L
Cu	65	36	139	8	5.8	0.000230	0.5674	ug/L
Cu	63	38	217	16	7.2	0.000392	0.4307	ug/L
> Ge	74	540384	470232	907	0.2	470231.921009		ug/L
As	75	-96	77	46	60.4	0.000340	0.7594	ug/L
As-1	75	2889	2509	81	3.2	-0.000010	0.8857	ug/L
Se	77	1993	43	9	21.1	-0.001688	-185.4327	ug/L
Se	82	13	1	5	322.5	-0.000010	-0.0632	ug/L
Ag	107	23	349	23	6.7	0.000333	0.5431	ug/L
Ag	109	21	220	5	2.1	0.000204	0.3329	ug/L
Cd	111	11	51	3	6.8	0.000042	0.3106	ug/L
Cd	114	28	30	2	7.3	0.000006	0.0273	ug/L
> In	115	1151262	989420	3935	0.4	989419.694098		ug/L
Sb	121	56	213	7	3.0	0.000167	0.4308	ug/L
> Tm	169	804781	693568	5022	0.7	693568.021261		ug/L
Tl	205	6	95	13	13.3	0.000130	0.0686	ug/L
Pb	208	72	163	7	4.3	0.000146	0.0473	ug/L
C	13	20307	15652	86	0.5	-4654.525314		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	83.542
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	87.018
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	85.942
Sb	121	
> Tm	169	86.181
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122319-MS2

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:36:34

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 315

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122242-MS2.158

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	733	11	1.5	0.001195	8.4914	ug/L
> Sc	45	719009	602367	552	0.1	602366.550428		ug/L
Cr	52	3658	34166	233	0.7	0.051632	46.0827	ug/L
Cr	53	21604	4782	64	1.3	-0.022109	-156.5769	ug/L
Cu	65	36	163	16	9.5	0.000280	0.6782	ug/L
Cu	63	38	253	5	1.8	0.000466	0.5095	ug/L
> Ge	74	540384	471503	1368	0.3	471502.986759		ug/L
As	75	-96	6090	174	2.9	0.013094	53.6547	ug/L
As-1	75	2889	8447	166	2.0	0.012569	52.9579	ug/L
Se	77	1993	536	14	2.6	-0.001188	-130.3657	ug/L
Se	82	13	642	35	5.4	0.000638	62.1163	ug/L
Ag	107	23	6589	114	1.7	0.006655	10.7201	ug/L
Ag	109	21	6342	112	1.8	0.006405	10.3783	ug/L
Cd	111	11	51	6	10.7	0.000042	0.3141	ug/L
Cd	114	28	41	7	16.4	0.000016	0.0621	ug/L
> In	115	1151262	987328	7386	0.7	987327.766519		ug/L
Sb	121	56	11604	92	0.8	0.011705	30.6084	ug/L
> Tm	169	804781	696949	8448	1.2	696949.353269		ug/L
Tl	205	6	12968	184	1.4	0.018599	10.3120	ug/L
Pb	208	72	135	11	7.8	0.000104	0.0302	ug/L
C	13	20307	15549	121	0.8	-4757.701878		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	83.777
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	87.253
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	85.761
Sb	121	
> Tm	169	86.601
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122319-MSD2

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:38:48

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 316

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122242-MSD2.159

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	753	87	11.5	0.001225	8.7018	ug/L
> Sc	45	719009	604233	3743	0.6	604232.607813		ug/L
Cr	52	3658	34416	208	0.6	0.051870	46.2968	ug/L
Cr	53	21604	4614	94	2.0	-0.022412	-158.6751	ug/L
Cu	65	36	158	16	10.0	0.000269	0.6528	ug/L
Cu	63	38	250	11	4.5	0.000460	0.5026	ug/L
> Ge	74	540384	471031	242	0.1	471030.695244		ug/L
As	75	-96	5986	47	0.8	0.012885	52.7919	ug/L
As-1	75	2889	8333	97	1.2	0.012345	52.0332	ug/L
Se	77	1993	559	15	2.7	-0.001168	-128.2175	ug/L
Se	82	13	636	32	5.0	0.000629	61.1716	ug/L
Ag	107	23	6659	41	0.6	0.006679	10.7589	ug/L
Ag	109	21	6474	49	0.7	0.006494	10.5220	ug/L
Cd	111	11	51	6	10.9	0.000041	0.3062	ug/L
Cd	114	28	30	11	37.5	0.000005	0.0268	ug/L
> In	115	1151262	994148	3475	0.3	994148.474996		ug/L
Sb	121	56	11629	99	0.8	0.011649	30.4634	ug/L
> Tm	169	804781	698267	3905	0.6	698266.739764		ug/L
Tl	205	6	13122	33	0.2	0.018786	10.4153	ug/L
Pb	208	72	172	7	3.8	0.000157	0.0519	ug/L
C	13	20307	15545	149	1.0	-4762.042353		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	84.037
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	87.166
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	86.353
Sb	121	
> Tm	169	86.765
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-08RE1

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:41:03

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 317

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248018-08RE1.160

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	14	5	33.0	0.000001	-0.0153	ug/L
> Sc	45	719009	603571	2308	0.4	603571.141468		ug/L
Cr	52	3658	1396	124	8.9	-0.002776	-2.7243	ug/L
Cr	53	21604	716	28	3.8	-0.028860	-203.3026	ug/L
Cu	65	36	307	19	6.0	0.000587	1.3485	ug/L
Cu	63	38	529	18	3.3	0.001053	1.1310	ug/L
> Ge	74	540384	470532	3539	0.8	470531.574892		ug/L
As	75	-96	45	41	91.4	0.000272	0.4783	ug/L
As-1	75	2889	2462	76	3.1	-0.000112	0.4606	ug/L
Se	77	1993	35	12	33.5	-0.001695	-186.2428	ug/L
Se	82	13	-4	5	116.6	-0.000016	-0.5774	ug/L
Ag	107	23	433	14	3.2	0.000419	0.6822	ug/L
Ag	109	21	272	7	2.7	0.000258	0.4197	ug/L
Cd	111	11	63	9	14.9	0.000054	0.4059	ug/L
Cd	114	28	66	5	7.0	0.000042	0.1444	ug/L
> In	115	1151262	986939	4208	0.4	986939.301912		ug/L
Sb	121	56	274	24	8.8	0.000229	0.5938	ug/L
> Tm	169	804781	695555	5547	0.8	695555.433076		ug/L
Tl	205	6	29	4	13.8	0.000035	0.0163	ug/L
Pb	208	72	136	12	8.5	0.000106	0.0309	ug/L
C	13	20307	15587	75	0.5	-4719.971013		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	83.945
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	87.074
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	85.727
Sb	121	
> Tm	169	86.428
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-09RE1

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:43:17

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 318

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248018-09RE1.161

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	19	4	22.3	0.000010	0.0444	ug/L
> Sc	45	719009	602339	4972	0.8	602338.598281		ug/L
Cr	52	3658	1449	58	4.0	-0.002682	-2.6403	ug/L
Cr	53	21604	673	3	0.4	-0.028931	-203.7883	ug/L
Cu	65	36	338	16	4.6	0.000647	1.4797	ug/L
Cu	63	38	534	14	2.6	0.001058	1.1356	ug/L
> Ge	74	540384	473662	4354	0.9	473662.251285		ug/L
As	75	-96	681	27	3.9	0.001614	6.0446	ug/L
As-1	75	2889	3089	42	1.4	0.001177	5.7997	ug/L
Se	77	1993	38	6	14.8	-0.001692	-185.9216	ug/L
Se	82	13	1	10	1390.8	-0.000011	-0.1305	ug/L
Ag	107	23	403	31	7.6	0.000387	0.6305	ug/L
Ag	109	21	293	5	1.7	0.000277	0.4514	ug/L
Cd	111	11	58	4	6.5	0.000049	0.3661	ug/L
Cd	114	28	63	4	6.2	0.000039	0.1332	ug/L
> In	115	1151262	990323	3074	0.3	990322.676734		ug/L
Sb	121	56	2615	96	3.7	0.002592	6.7723	ug/L
> Tm	169	804781	694002	2488	0.4	694002.050623		ug/L
Tl	205	6	41	5	12.4	0.000053	0.0259	ug/L
Pb	208	72	327	22	6.7	0.000381	0.1445	ug/L
C	13	20307	15683	52	0.3	-4624.139850		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	83.773
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	87.653
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	86.021
Sb	121	
> Tm	169	86.235
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVB

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 19:45:34

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCVB.162

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	926	34	3.7	0.001554	2.2095	ug/L
> Sc	45	719009	587999	5274	0.9	587999.435891		ug/L
Cr	52	3658	90915	718	0.8	0.149531	26.7809	ug/L
Cr	53	21604	21759	897	4.1	0.006969	8.9333	ug/L
Cu	65	36	11085	103	0.9	0.024158	10.5622	ug/L
Cu	63	38	22848	397	1.7	0.049860	10.5593	ug/L
> Ge	74	540384	457681	5351	1.2	457681.041237		ug/L
As	75	-96	6089	80	1.3	0.013484	11.0545	ug/L
As-1	75	2889	8191	209	2.6	0.012556	10.5811	ug/L
Se	77	1993	2018	84	4.2	0.000315	7.0500	ug/L
Se	82	13	1051	36	3.4	0.001054	20.3910	ug/L
Ag	107	23	6422	66	1.0	0.006491	2.0914	ug/L
Ag	109	21	6206	124	2.0	0.006275	2.0334	ug/L
Cd	111	11	732	8	1.0	0.000732	1.1050	ug/L
Cd	114	28	1698	60	3.5	0.001697	1.0942	ug/L
> In	115	1151262	986346	8035	0.8	986345.922118		ug/L
Sb	121	56	4158	94	2.3	0.004167	2.1784	ug/L
> Tm	169	804781	725160	8900	1.2	725160.112034		ug/L
Tl	205	6	3395	40	1.2	0.004675	0.5179	ug/L
Pb	208	72	44623	557	1.2	0.061450	5.0662	ug/L
C	13	20307	14837	273	1.8	-5469.554570		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	81.779
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	84.696
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	85.675
Sb	121	
> Tm	169	90.106
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBB

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 19:47:50

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCBB.163

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	14	5	35.1	0.000003	-0.0004	ug/L
> Sc	45	719009	584415	2188	0.4	584415.266859		ug/L
Cr	52	3658	1565	67	4.3	-0.002410	-0.4792	ug/L
Cr	53	21604	7344	247	3.4	-0.017482	-24.9104	ug/L
Cu	65	36	22	10	45.5	-0.000018	0.0053	ug/L
Cu	63	38	32	10	29.8	-0.000001	0.0030	ug/L
> Ge	74	540384	460097	2398	0.5	460097.436275		ug/L
As	75	-96	-56	75	133.7	0.000054	-0.0851	ug/L
As-1	75	2889	2325	42	1.8	-0.000292	-0.0570	ug/L
Se	77	1993	650	11	1.7	-0.001081	-23.7140	ug/L
Se	82	13	-7	11	162.5	-0.000018	-0.1652	ug/L
Ag	107	23	40	7	17.6	0.000021	0.0082	ug/L
Ag	109	21	28	16	56.3	0.000010	0.0037	ug/L
Cd	111	11	10	4	36.3	-0.000000	-0.0011	ug/L
Cd	114	28	16	2	11.4	-0.000009	-0.0039	ug/L
> In	115	1151262	1000239	7859	0.8	1000238.891875		ug/L
Sb	121	56	22	6	28.8	-0.000026	-0.0149	ug/L
> Tm	169	804781	722234	5343	0.7	722234.425205		ug/L
Tl	205	6	3	1	43.3	-0.000003	-0.0010	ug/L
Pb	208	72	72	10	14.5	0.000010	-0.0017	ug/L
C	13	20307	14352	131	0.9	-5954.667874		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	81.281
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	85.143
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	86.882
Sb	121	
> Tm	169	89.743
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-10RE1

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:50:07

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 319

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248018-10RE1.164

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	19	3	16.6	0.000012	0.0620	ug/L
> Sc	45	719009	576925	3400	0.6	576924.691077		ug/L
Cr	52	3658	1531	83	5.4	-0.002434	-2.4174	ug/L
Cr	53	21604	2019	150	7.4	-0.026549	-187.3053	ug/L
Cu	65	36	249	9	3.6	0.000478	1.1087	ug/L
Cu	63	38	392	10	2.5	0.000785	0.8473	ug/L
> Ge	74	540384	458164	4601	1.0	458164.236629		ug/L
As	75	-96	639	60	9.4	0.001573	5.8708	ug/L
As-1	75	2889	3017	130	4.3	0.001241	6.0647	ug/L
Se	77	1993	62	15	23.6	-0.001666	-183.0888	ug/L
Se	82	13	-2	4	193.3	-0.000014	-0.4279	ug/L
Ag	107	23	463	8	1.7	0.000464	0.7551	ug/L
Ag	109	21	303	20	6.6	0.000298	0.4850	ug/L
Cd	111	11	56	6	10.8	0.000048	0.3613	ug/L
Cd	114	28	31	4	13.0	0.000008	0.0353	ug/L
> In	115	1151262	956531	11518	1.2	956531.081053		ug/L
Sb	121	56	3164	61	1.9	0.003259	8.5183	ug/L
> Tm	169	804781	680837	5850	0.9	680836.879692		ug/L
Tl	205	6	46	5	11.0	0.000060	0.0301	ug/L
Pb	208	72	221	6	2.8	0.000235	0.0842	ug/L
C	13	20307	14932	54	0.4	-5374.735456		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	80.239
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	84.785
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	83.085
Sb	121	
> Tm	169	84.599
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-11RE1

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:52:22

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 320

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248018-11RE1.165

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	99	5	5.1	0.000147	1.0262	ug/L
> Sc	45	719009	588560	3090	0.5	588560.441358		ug/L
Cr	52	3658	20310	63	0.3	0.029420	26.1578	ug/L
Cr	53	21604	3700	194	5.2	-0.023762	-168.0187	ug/L
Cu	65	36	1841	38	2.1	0.003943	8.6747	ug/L
Cu	63	38	3683	43	1.2	0.007952	8.4338	ug/L
> Ge	74	540384	459100	1336	0.3	459100.411333		ug/L
As	75	-96	102	55	54.1	0.000400	1.0072	ug/L
As-1	75	2889	2488	48	1.9	0.000074	1.2312	ug/L
Se	77	1993	54	7	13.2	-0.001675	-184.0642	ug/L
Se	82	13	-8	13	166.6	-0.000020	-0.9603	ug/L
Ag	107	23	616	19	3.1	0.000618	1.0022	ug/L
Ag	109	21	462	13	2.7	0.000459	0.7465	ug/L
Cd	111	11	60	12	20.3	0.000052	0.3905	ug/L
Cd	114	28	35	4	11.5	0.000011	0.0449	ug/L
> In	115	1151262	966413	6825	0.7	966412.721370		ug/L
Sb	121	56	197	18	9.0	0.000155	0.3990	ug/L
> Tm	169	804781	681099	5744	0.8	681098.737911		ug/L
Tl	205	6	80	9	10.7	0.000110	0.0581	ug/L
Pb	208	72	13751	109	0.8	0.020102	8.2777	ug/L
C	13	20307	15052	40	0.3	-5254.871410		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	81.857
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	84.958
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	83.944
Sb	121	
> Tm	169	84.632
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1248018-12RE1

Sample Description: 5x

Batch ID: B122319

Sample Date/Time: Saturday, December 08, 2012 19:54:36

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 321

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1248018-12RE1.166

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	21	1	4.8	0.000014	0.0778	ug/L
> Sc	45	719009	588063	2898	0.5	588062.690100		ug/L
Cr	52	3658	1924	136	7.1	-0.001816	-1.8626	ug/L
Cr	53	21604	1209	29	2.4	-0.027992	-197.2917	ug/L
Cu	65	36	233	12	5.2	0.000436	1.0183	ug/L
Cu	63	38	354	8	2.3	0.000693	0.7496	ug/L
> Ge	74	540384	463319	2379	0.5	463318.672330		ug/L
As	75	-96	9	21	226.3	0.000197	0.1641	ug/L
As-1	75	2889	2468	34	1.4	-0.000019	0.8457	ug/L
Se	77	1993	50	6	12.5	-0.001679	-184.4961	ug/L
Se	82	13	-11	6	54.2	-0.000023	-1.3190	ug/L
Ag	107	23	373	8	2.0	0.000366	0.5968	ug/L
Ag	109	21	232	16	7.1	0.000221	0.3610	ug/L
Cd	111	11	45	4	9.7	0.000037	0.2725	ug/L
Cd	114	28	26	6	24.3	0.000002	0.0160	ug/L
> In	115	1151262	968017	4632	0.5	968017.263071		ug/L
Sb	121	56	568	7	1.2	0.000538	1.4016	ug/L
> Tm	169	804781	681220	1150	0.2	681219.961762		ug/L
Tl	205	6	11	5	44.3	0.000009	0.0016	ug/L
Pb	208	72	419	20	4.7	0.000526	0.2042	ug/L
C	13	20307	15295	124	0.8	-5011.799037		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	81.788
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	85.739
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	84.083
Sb	121	
> Tm	169	84.647
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122316-BLK1

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 19:56:50

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 322

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122119-BLK1.167

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	15	5	31.5	0.000003	0.0000	ug/L
> Sc	45	719009	590648	6106	1.0	590647.763837		ug/L
Cr	52	3658	900	107	11.8	-0.003566	-6.8657	ug/L
Cr	53	21604	981	33	3.4	-0.028387	-400.0509	ug/L
Cu	65	36	25	8	29.6	-0.000011	0.0844	ug/L
Cu	63	38	39	9	23.1	0.000014	0.0620	ug/L
> Ge	74	540384	460804	3576	0.8	460804.155363		ug/L
As	75	-96	16	33	209.6	0.000211	0.4476	ug/L
As-1	75	2889	2477	90	3.6	0.000031	2.1097	ug/L
Se	77	1993	37	13	35.8	-0.001693	-372.1218	ug/L
Se	82	13	-15	8	53.9	-0.000027	-3.3035	ug/L
Ag	107	23	17	1	5.9	-0.000002	0.0074	ug/L
Ag	109	21	13	2	13.3	-0.000005	-0.0120	ug/L
Cd	111	11	8	3	33.1	-0.000002	-0.0345	ug/L
Cd	114	28	19	4	19.5	-0.000005	-0.0156	ug/L
> In	115	1151262	986331	13030	1.3	986331.059120		ug/L
Sb	121	56	11	2	15.7	-0.000037	-0.2079	ug/L
> Tm	169	804781	705867	10241	1.5	705867.313399		ug/L
Tl	205	6	1	1	100.0	-0.000006	-0.0127	ug/L
Pb	208	72	47	12	24.7	-0.000023	-0.0450	ug/L
C	13	20307	17234	267	1.5	-3073.333568		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	82.148
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	85.274
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	85.674
Sb	121	
> Tm	169	87.709
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122316-BLK2

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 19:59:03

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 323

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122119-BLK2.168

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	15	6	38.2	0.000004	0.0134	ug/L
> Sc	45	719009	595587	926	0.2	595587.381028		ug/L
Cr	52	3658	832	66	7.9	-0.003691	-7.0905	ug/L
Cr	53	21604	897	18	2.0	-0.028542	-402.1916	ug/L
Cu	65	36	22	5	22.5	-0.000018	0.0541	ug/L
Cu	63	38	33	2	6.2	0.000002	0.0351	ug/L
> Ge	74	540384	464007	1309	0.3	464007.364030		ug/L
As	75	-96	-0	31	8245.7	0.000176	0.1576	ug/L
As-1	75	2889	2473	21	0.8	-0.000016	1.7216	ug/L
Se	77	1993	43	8	18.8	-0.001688	-370.9128	ug/L
Se	82	13	-8	5	63.9	-0.000020	-1.9908	ug/L
Ag	107	23	12	2	12.4	-0.000007	-0.0081	ug/L
Ag	109	21	10	1	5.6	-0.000008	-0.0210	ug/L
Cd	111	11	12	3	27.6	0.000002	0.0203	ug/L
Cd	114	28	22	2	8.3	-0.000002	0.0044	ug/L
> In	115	1151262	993853	4314	0.4	993852.822588		ug/L
Sb	121	56	11	3	27.0	-0.000037	-0.2067	ug/L
> Tm	169	804781	714596	1760	0.2	714595.580364		ug/L
Tl	205	6	5	2	32.7	-0.000001	-0.0070	ug/L
Pb	208	72	46	4	9.5	-0.000025	-0.0463	ug/L
C	13	20307	17454	153	0.9	-2852.581416		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	82.835
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	85.866
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	86.327
Sb	121	
> Tm	169	88.794
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122316-BLK3

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:01:17

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 324

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122119-BLK3.169

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	16	4	22.5	0.000005	0.0229	ug/L
> Sc	45	719009	605818	2085	0.3	605818.452058		ug/L
Cr	52	3658	931	4	0.5	-0.003551	-6.8389	ug/L
Cr	53	21604	801	45	5.6	-0.028726	-404.7409	ug/L
Cu	65	36	26	8	30.3	-0.000011	0.0855	ug/L
Cu	63	38	27	2	7.6	-0.000011	0.0078	ug/L
> Ge	74	540384	463569	3917	0.8	463568.955511		ug/L
As	75	-96	3	10	396.2	0.000183	0.2111	ug/L
As-1	75	2889	2533	81	3.2	0.000119	2.8402	ug/L
Se	77	1993	41	1	1.4	-0.001690	-371.3214	ug/L
Se	82	13	-20	10	49.2	-0.000031	-4.1332	ug/L
Ag	107	23	17	2	9.2	-0.000003	0.0052	ug/L
Ag	109	21	11	6	51.7	-0.000007	-0.0180	ug/L
Cd	111	11	10	3	30.0	0.000000	-0.0068	ug/L
Cd	114	28	20	4	19.7	-0.000004	-0.0094	ug/L
> In	115	1151262	1006363	13135	1.3	1006362.768420		ug/L
Sb	121	56	11	1	9.1	-0.000038	-0.2091	ug/L
> Tm	169	804781	711123	5344	0.8	711123.354406		ug/L
Tl	205	6	6	2	27.0	0.000001	-0.0054	ug/L
Pb	208	72	50	2	3.5	-0.000019	-0.0414	ug/L
C	13	20307	17514	218	1.2	-2793.133039		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	84.257
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	85.785
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.414
Sb	121	
> Tm	169	88.362
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122316-BLK4

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:03:32

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 325

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122119-BLK4.170

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	13	3	20.4	-0.000000	-0.0497	ug/L
> Sc	45	719009	609716	3066	0.5	609716.372013		ug/L
Cr	52	3658	863	26	3.1	-0.003673	-7.0581	ug/L
Cr	53	21604	759	4	0.5	-0.028802	-405.7989	ug/L
Cu	65	36	25	7	27.0	-0.000013	0.0739	ug/L
Cu	63	38	36	5	13.9	0.000006	0.0455	ug/L
> Ge	74	540384	469055	4671	1.0	469054.765580		ug/L
As	75	-96	-7	33	441.9	0.000161	0.0318	ug/L
As-1	75	2889	2514	58	2.3	0.000014	1.9718	ug/L
Se	77	1993	43	9	21.8	-0.001688	-370.9654	ug/L
Se	82	13	1	5	668.2	-0.000011	-0.2470	ug/L
Ag	107	23	9	4	40.6	-0.000010	-0.0181	ug/L
Ag	109	21	16	4	24.7	-0.000002	-0.0017	ug/L
Cd	111	11	8	2	27.2	-0.000002	-0.0414	ug/L
Cd	114	28	18	3	16.8	-0.000006	-0.0229	ug/L
> In	115	1151262	999949	3450	0.3	999948.882403		ug/L
Sb	121	56	13	1	7.7	-0.000036	-0.1983	ug/L
> Tm	169	804781	704801	8483	1.2	704800.730584		ug/L
Tl	205	6	6	2	24.1	0.000002	-0.0043	ug/L
Pb	208	72	51	10	18.9	-0.000017	-0.0398	ug/L
C	13	20307	17828	70	0.4	-2478.523937		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	84.800
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	86.800
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	86.857
Sb	121	
> Tm	169	87.577
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122316-BS1

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:05:47

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 326

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122119-BS1.171

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	15	3	17.2	0.000003	-0.0103	ug/L
> Sc	45	719009	609366	1370	0.2	609365.744340		ug/L
Cr	52	3658	6320	46	0.7	0.005284	9.0118	ug/L
Cr	53	21604	1363	40	2.9	-0.027810	-392.0722	ug/L
Cu	65	36	13576	139	1.0	0.028841	126.0720	ug/L
Cu	63	38	27904	395	1.4	0.059345	125.6740	ug/L
> Ge	74	540384	469661	2016	0.4	469660.954947		ug/L
As	75	-96	5662	113	2.0	0.012233	100.1676	ug/L
As-1	75	2889	8187	150	1.8	0.012087	101.9299	ug/L
Se	77	1993	147	11	7.2	-0.001585	-348.1909	ug/L
Se	82	13	120	14	11.8	0.000108	22.4723	ug/L
Ag	107	23	12	3	22.0	-0.000008	-0.0097	ug/L
Ag	109	21	11	1	10.8	-0.000008	-0.0203	ug/L
Cd	111	11	430	7	1.6	0.000418	6.2976	ug/L
Cd	114	28	1025	14	1.4	0.000994	6.4157	ug/L
> In	115	1151262	1006763	1580	0.2	1006762.651515		ug/L
Sb	121	56	13	2	12.1	-0.000036	-0.2005	ug/L
> Tm	169	804781	718522	3511	0.5	718522.347358		ug/L
Tl	205	6	852	34	4.0	0.001179	1.3009	ug/L
Pb	208	72	11638	162	1.4	0.016108	13.2610	ug/L
C	13	20307	17507	123	0.7	-2800.147709		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	84.751
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	86.913
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.449
Sb	121	
> Tm	169	89.282
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122316-SRM1

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:08:01

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 327

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122119-SRM1.172

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	18	3	13.7	0.000008	0.0687	ug/L
> Sc	45	719009	618746	4957	0.8	618745.699259		ug/L
Cr	52	3658	-1669	118	7.1	-0.007786	-14.4377	ug/L
Cr	53	21604	1018	34	3.3	-0.028403	-400.2714	ug/L
Cu	65	36	11023	238	2.2	0.023361	102.1430	ug/L
Cu	63	38	22814	418	1.8	0.048415	102.5332	ug/L
> Ge	74	540384	470519	4890	1.0	470519.002131		ug/L
As	75	-96	2630	142	5.4	0.005764	46.5097	ug/L
As-1	75	2889	5085	74	1.5	0.005462	47.0719	ug/L
Se	77	1993	145	2	1.1	-0.001587	-348.5851	ug/L
Se	82	13	120	27	22.8	0.000108	22.4638	ug/L
Ag	107	23	65	5	7.0	0.000045	0.1595	ug/L
Ag	109	21	63	17	26.1	0.000045	0.1494	ug/L
Cd	111	11	160	15	9.5	0.000150	2.2545	ug/L
Cd	114	28	343	15	4.4	0.000317	2.0611	ug/L
> In	115	1151262	1003211	13600	1.4	1003211.402500		ug/L
Sb	121	56	20	2	7.5	-0.000028	-0.1603	ug/L
> Tm	169	804781	715145	11394	1.6	715144.822409		ug/L
Tl	205	6	48	6	12.5	0.000060	0.0602	ug/L
Pb	208	72	1212	50	4.1	0.001605	1.2982	ug/L
C	13	20307	91947	1189	1.3	71640.039886		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	86.055
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	87.071
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.140
Sb	121	
> Tm	169	88.862
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122316-SRM2

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:10:16

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 328

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122119-SRM2.173

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	19	3	13.9	0.000009	0.0831	ug/L
> Sc	45	719009	620416	2237	0.4	620416.344796		ug/L
Cr	52	3658	-2982	188	6.3	-0.009895	-18.2209	ug/L
Cr	53	21604	702	26	3.6	-0.028915	-407.3652	ug/L
Cu	65	36	67990	788	1.2	0.143225	625.5502	ug/L
Cu	63	38	139888	760	0.5	0.294757	624.0770	ug/L
> Ge	74	540384	474483	3863	0.8	474482.961834		ug/L
As	75	-96	7805	55	0.7	0.016627	136.6182	ug/L
As-1	75	2889	10243	33	0.3	0.016243	136.3407	ug/L
Se	77	1993	209	14	6.5	-0.001523	-334.5354	ug/L
Se	82	13	196	12	6.3	0.000184	37.0729	ug/L
Ag	107	23	13698	143	1.0	0.013631	43.8989	ug/L
Ag	109	21	13491	50	0.4	0.013425	43.4988	ug/L
Cd	111	11	12182	154	1.3	0.012129	183.1365	ug/L
Cd	114	28	27698	183	0.7	0.027578	177.5690	ug/L
> In	115	1151262	1003641	12709	1.3	1003641.107726		ug/L
Sb	121	56	51	6	12.2	0.000002	-0.0006	ug/L
> Tm	169	804781	731896	10888	1.5	731896.431098		ug/L
Tl	205	6	45	3	6.7	0.000055	0.0545	ug/L
Pb	208	72	1730	65	3.8	0.002273	1.8496	ug/L
C	13	20307	78973	453	0.6	58666.223897		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	86.288
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	87.805
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.178
Sb	121	
> Tm	169	90.943
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVC

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 20:12:33

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCVC.174

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	926	33	3.6	0.001544	2.1955	ug/L
> Sc	45	719009	591454	9651	1.6	591453.564849		ug/L
Cr	52	3658	89967	722	0.8	0.147038	26.3335	ug/L
Cr	53	21604	21681	759	3.5	0.006631	8.4656	ug/L
Cu	65	36	10993	43	0.4	0.023989	10.4884	ug/L
Cu	63	38	22772	286	1.3	0.049757	10.5375	ug/L
> Ge	74	540384	457018	3116	0.7	457017.921182		ug/L
As	75	-96	5823	115	2.0	0.012917	10.5849	ug/L
As-1	75	2889	8015	11	0.1	0.012194	10.2810	ug/L
Se	77	1993	2039	21	1.0	0.000329	7.3680	ug/L
Se	82	13	1024	17	1.7	0.001024	19.8152	ug/L
Ag	107	23	6272	62	1.0	0.006320	2.0361	ug/L
Ag	109	21	6251	57	0.9	0.006300	2.0414	ug/L
Cd	111	11	726	38	5.2	0.000724	1.0929	ug/L
Cd	114	28	1672	37	2.2	0.001665	1.0739	ug/L
> In	115	1151262	989559	13464	1.4	989559.244022		ug/L
Sb	121	56	5026	89	1.8	0.005030	2.6301	ug/L
> Tm	169	804781	711399	9311	1.3	711398.587241		ug/L
Tl	205	6	3313	50	1.5	0.004651	0.5152	ug/L
Pb	208	72	44053	510	1.2	0.061842	5.0986	ug/L
C	13	20307	16200	767	4.7	-4107.213195		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	82.260
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	84.573
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	85.954
Sb	121	
> Tm	169	88.396
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBC

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 20:14:49

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCBC.175

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	11	1	9.1	-0.000002	-0.0084	ug/L
> Sc	45	719009	581707	13583	2.3	581706.903603		ug/L
Cr	52	3658	1632	48	3.0	-0.002282	-0.4562	ug/L
Cr	53	21604	7488	204	2.7	-0.017171	-24.4800	ug/L
Cu	65	36	30	2	5.8	0.000000	0.0133	ug/L
Cu	63	38	50	7	14.0	0.000040	0.0117	ug/L
> Ge	74	540384	452243	7381	1.6	452242.639040		ug/L
As	75	-96	-5	62	1231.2	0.000166	0.0072	ug/L
As-1	75	2889	2338	92	3.9	-0.000174	0.0411	ug/L
Se	77	1993	641	21	3.2	-0.001072	-23.5282	ug/L
Se	82	13	-2	13	816.0	-0.000013	-0.0680	ug/L
Ag	107	23	46	18	37.8	0.000028	0.0105	ug/L
Ag	109	21	36	12	31.7	0.000019	0.0066	ug/L
Cd	111	11	8	3	37.5	-0.000002	-0.0033	ug/L
Cd	114	28	19	1	3.3	-0.000005	-0.0015	ug/L
> In	115	1151262	974229	19221	2.0	974229.125909		ug/L
Sb	121	56	292	12	4.3	0.000251	0.1303	ug/L
> Tm	169	804781	710615	9735	1.4	710614.981903		ug/L
Tl	205	6	4	2	41.7	-0.000002	-0.0009	ug/L
Pb	208	72	78	7	8.3	0.000021	-0.0008	ug/L
C	13	20307	15107	94	0.6	-5199.779875		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	80.904
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	83.689
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	84.623
Sb	121	
> Tm	169	88.299
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246025-04RE1

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:17:07

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 329

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1246025-04RE1.176

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	15	1	3.9	0.000003	-0.0057	ug/L
> Sc	45	719009	601197	3947	0.7	601197.340943		ug/L
Cr	52	3658	-720	189	26.3	-0.006284	-11.7426	ug/L
Cr	53	21604	1922	159	8.3	-0.026850	-378.7763	ug/L
Cu	65	36	1694	54	3.2	0.003579	15.7607	ug/L
Cu	63	38	3463	41	1.2	0.007380	15.6570	ug/L
> Ge	74	540384	464847	2768	0.6	464846.514098		ug/L
As	75	-96	51	38	74.6	0.000286	1.0680	ug/L
As-1	75	2889	2435	50	2.1	-0.000106	0.9737	ug/L
Se	77	1993	72	2	2.1	-0.001660	-364.7504	ug/L
Se	82	13	20	3	17.7	0.000008	3.3524	ug/L
Ag	107	23	39	14	36.8	0.000019	0.0773	ug/L
Ag	109	21	31	2	6.6	0.000013	0.0457	ug/L
Cd	111	11	9	3	27.0	-0.000001	-0.0176	ug/L
Cd	114	28	28	4	15.6	0.000003	0.0378	ug/L
> In	115	1151262	1010959	4781	0.5	1010959.255757		ug/L
Sb	121	56	12	5	38.7	-0.000037	-0.2059	ug/L
> Tm	169	804781	729906	6173	0.8	729906.295064		ug/L
Tl	205	6	8	4	54.5	0.000004	-0.0021	ug/L
Pb	208	72	100	13	13.1	0.000048	0.0137	ug/L
C	13	20307	40155	780	1.9	19847.853721		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	83.615
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	86.022
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.813
Sb	121	
> Tm	169	90.696
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122316-DUP1

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:19:21

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 330

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122119-DUP1.177

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	4	24.2	0.000006	0.0383	ug/L
> Sc	45	719009	607033	3779	0.6	607032.558906		ug/L
Cr	52	3658	-1161	122	10.5	-0.007002	-13.0300	ug/L
Cr	53	21604	1351	88	6.5	-0.027820	-392.2078	ug/L
Cu	65	36	2003	34	1.7	0.004231	18.6070	ug/L
Cu	63	38	4036	93	2.3	0.008587	18.2117	ug/L
> Ge	74	540384	466162	2541	0.5	466161.998481		ug/L
As	75	-96	60	19	32.3	0.000304	1.2226	ug/L
As-1	75	2889	2481	39	1.6	-0.000024	1.6542	ug/L
Se	77	1993	64	2	2.4	-0.001666	-366.1498	ug/L
Se	82	13	23	7	28.2	0.000012	4.0505	ug/L
Ag	107	23	23	5	22.6	0.000003	0.0251	ug/L
Ag	109	21	29	5	17.9	0.000011	0.0396	ug/L
Cd	111	11	13	6	45.8	0.000004	0.0447	ug/L
Cd	114	28	23	3	12.3	-0.000001	0.0098	ug/L
> In	115	1151262	996800	4108	0.4	996799.728548		ug/L
Sb	121	56	11	3	24.1	-0.000038	-0.2086	ug/L
> Tm	169	804781	714440	10721	1.5	714439.666943		ug/L
Tl	205	6	11	2	18.2	0.000008	0.0029	ug/L
Pb	208	72	150	19	12.5	0.000121	0.0744	ug/L
C	13	20307	42691	605	1.4	22384.028308		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	84.426
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	86.265
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	86.583
Sb	121	
> Tm	169	88.774
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122316-MS1

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:21:36

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 331

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122119-MS1.178

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	14	2	16.9	0.000001	-0.0364	ug/L
> Sc	45	719009	614328	1385	0.2	614327.560468		ug/L
Cr	52	3658	4325	80	1.9	0.001952	3.0344	ug/L
Cr	53	21604	1727	13	0.7	-0.027236	-384.1278	ug/L
Cu	65	36	15795	189	1.2	0.033415	146.0453	ug/L
Cu	63	38	32246	275	0.9	0.068287	144.6063	ug/L
> Ge	74	540384	471768	4274	0.9	471767.763320		ug/L
As	75	-96	5996	54	0.9	0.012886	105.5894	ug/L
As-1	75	2889	8337	13	0.2	0.012328	103.9201	ug/L
Se	77	1993	169	5	2.7	-0.001563	-343.3049	ug/L
Se	82	13	167	12	7.4	0.000155	31.5524	ug/L
Ag	107	23	19	7	37.6	-0.000001	0.0117	ug/L
Ag	109	21	17	2	8.8	-0.000001	0.0012	ug/L
Cd	111	11	457	15	3.4	0.000445	6.7112	ug/L
Cd	114	28	1022	8	0.8	0.000993	6.4099	ug/L
> In	115	1151262	1004830	3497	0.3	1004829.981575		ug/L
Sb	121	56	8	2	25.0	-0.000041	-0.2247	ug/L
> Tm	169	804781	723729	8116	1.1	723728.753543		ug/L
Tl	205	6	845	16	1.9	0.001160	1.2803	ug/L
Pb	208	72	12035	60	0.5	0.016541	13.6182	ug/L
C	13	20307	42996	254	0.6	22689.116754		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	85.441
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	87.302
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.281
Sb	121	
> Tm	169	89.929
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122316-MSD1

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:23:50

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 332

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122119-MSD1.179

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	15	4	25.8	0.000002	-0.0155	ug/L
> Sc	45	719009	618867	2602	0.4	618866.603402		ug/L
Cr	52	3658	4135	238	5.8	0.001592	2.3887	ug/L
Cr	53	21604	1574	77	4.9	-0.027504	-387.8298	ug/L
Cu	65	36	15446	127	0.8	0.032329	141.3032	ug/L
Cu	63	38	31348	154	0.5	0.065679	139.0833	ug/L
> Ge	74	540384	476787	2491	0.5	476787.325387		ug/L
As	75	-96	5990	94	1.6	0.012741	104.3866	ug/L
As-1	75	2889	8355	68	0.8	0.012178	102.6811	ug/L
Se	77	1993	159	18	11.2	-0.001574	-345.8942	ug/L
Se	82	13	144	12	8.6	0.000130	26.8426	ug/L
Ag	107	23	17	4	20.3	-0.000003	0.0068	ug/L
Ag	109	21	15	6	43.3	-0.000004	-0.0079	ug/L
Cd	111	11	466	16	3.4	0.000449	6.7706	ug/L
Cd	114	28	1014	28	2.8	0.000973	6.2821	ug/L
> In	115	1151262	1016456	1783	0.2	1016455.859339		ug/L
Sb	121	56	12	7	58.3	-0.000037	-0.2063	ug/L
> Tm	169	804781	730992	8645	1.2	730992.434873		ug/L
Tl	205	6	870	42	4.9	0.001183	1.3061	ug/L
Pb	208	72	11915	80	0.7	0.016212	13.3469	ug/L
C	13	20307	45222	681	1.5	24914.556524		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	86.072
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	88.231
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	88.291
Sb	121	
> Tm	169	90.831
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246025-05RE1

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:26:04

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 333

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1246025-05RE1.180

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	14	7	50.0	0.000001	-0.0309	ug/L
> Sc	45	719009	618792	1306	0.2	618791.577768		ug/L
Cr	52	3658	-1254	70	5.6	-0.007114	-13.2321	ug/L
Cr	53	21604	843	73	8.6	-0.028685	-404.1746	ug/L
Cu	65	36	1908	72	3.7	0.003962	17.4341	ug/L
Cu	63	38	3830	63	1.6	0.008017	17.0046	ug/L
> Ge	74	540384	473667	1942	0.4	473667.323537		ug/L
As	75	-96	11	4	40.7	0.000199	0.3507	ug/L
As-1	75	2889	2417	79	3.3	-0.000243	-0.1601	ug/L
Se	77	1993	61	6	9.1	-0.001670	-367.0670	ug/L
Se	82	13	7	3	35.6	-0.000005	0.9447	ug/L
Ag	107	23	17	4	20.3	-0.000003	0.0071	ug/L
Ag	109	21	19	3	15.8	0.000001	0.0062	ug/L
Cd	111	11	14	5	33.0	0.000004	0.0469	ug/L
Cd	114	28	23	6	26.5	-0.000002	0.0073	ug/L
> In	115	1151262	1010423	5710	0.6	1010422.518179		ug/L
Sb	121	56	17	2	8.8	-0.000031	-0.1765	ug/L
> Tm	169	804781	723509	2555	0.4	723508.622137		ug/L
Tl	205	6	7	5	71.4	0.000003	-0.0035	ug/L
Pb	208	72	147	20	13.7	0.000113	0.0678	ug/L
C	13	20307	43742	390	0.9	23435.333833		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	86.062
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	87.654
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	87.767
Sb	121	
> Tm	169	89.901
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246025-06RE1

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:28:18

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 334

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1246025-06RE1.181

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	19	5	26.0	0.000010	0.0893	ug/L
> Sc	45	719009	622940	4225	0.7	622939.877378		ug/L
Cr	52	3658	-1177	3	0.2	-0.006977	-12.9858	ug/L
Cr	53	21604	785	27	3.4	-0.028786	-405.5782	ug/L
Cu	65	36	1743	49	2.8	0.003603	15.8634	ug/L
Cu	63	38	3499	63	1.8	0.007298	15.4825	ug/L
> Ge	74	540384	474947	2401	0.5	474947.314572		ug/L
As	75	-96	53	37	70.5	0.000288	1.0830	ug/L
As-1	75	2889	2501	34	1.4	-0.000079	1.1988	ug/L
Se	77	1993	48	11	22.2	-0.001684	-370.0053	ug/L
Se	82	13	16	9	57.5	0.000004	2.6519	ug/L
Ag	107	23	17	6	31.8	-0.000003	0.0069	ug/L
Ag	109	21	16	4	27.2	-0.000002	-0.0035	ug/L
Cd	111	11	11	2	19.5	0.000001	0.0018	ug/L
Cd	114	28	25	5	18.5	0.000000	0.0216	ug/L
> In	115	1151262	1013902	6295	0.6	1013902.404506		ug/L
Sb	121	56	12	1	8.3	-0.000037	-0.2044	ug/L
> Tm	169	804781	723080	674	0.1	723079.553814		ug/L
Tl	205	6	8	1	7.5	0.000004	-0.0025	ug/L
Pb	208	72	145	8	5.4	0.000111	0.0660	ug/L
C	13	20307	41607	287	0.7	21299.674619		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	86.639
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	87.891
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	88.069
Sb	121	
> Tm	169	89.848
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-01RE1

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:30:32

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 335

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-01RE1.182

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	13	4	33.5	0.000000	-0.0451	ug/L
> Sc	45	719009	599902	6191	1.0	599902.271457		ug/L
Cr	52	3658	807	56	6.9	-0.003743	-7.1839	ug/L
Cr	53	21604	764	9	1.2	-0.028774	-405.4084	ug/L
Cu	65	36	380	21	5.5	0.000775	3.5156	ug/L
Cu	63	38	1437	36	2.5	0.003108	6.6113	ug/L
> Ge	74	540384	452398	4774	1.1	452397.660319		ug/L
As	75	-96	714	25	3.4	0.001755	13.2531	ug/L
As-1	75	2889	3175	91	2.9	0.001674	15.7103	ug/L
Se	77	1993	51	5	9.1	-0.001678	-368.6432	ug/L
Se	82	13	-1	10	1033.1	-0.000013	-0.5814	ug/L
Ag	107	23	12	6	52.4	-0.000007	-0.0087	ug/L
Ag	109	21	12	7	52.8	-0.000005	-0.0125	ug/L
Cd	111	11	16	2	14.7	0.000007	0.0916	ug/L
Cd	114	28	36	7	19.7	0.000014	0.1062	ug/L
> In	115	1151262	951653	9891	1.0	951653.389812		ug/L
Sb	121	56	51	6	11.6	0.000005	0.0123	ug/L
> Tm	169	804781	694708	2001	0.3	694708.316235		ug/L
Tl	205	6	8	2	27.2	0.000004	-0.0020	ug/L
Pb	208	72	547	33	6.1	0.000697	0.5497	ug/L
C	13	20307	20963	216	1.0	655.820729		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	83.435
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	83.718
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	82.662
Sb	121	
> Tm	169	86.323
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122316-DUP2

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:32:46

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 336

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122119-DUP2.183

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	19	3	17.2	0.000011	0.1006	ug/L
> Sc	45	719009	585414	5738	1.0	585413.812527		ug/L
Cr	52	3658	531	100	18.9	-0.004182	-7.9712	ug/L
Cr	53	21604	710	7	1.0	-0.028834	-406.2450	ug/L
Cu	65	36	306	23	7.4	0.000626	2.8655	ug/L
Cu	63	38	1268	28	2.2	0.002800	5.9597	ug/L
> Ge	74	540384	441693	2796	0.6	441692.524623		ug/L
As	75	-96	396	56	14.1	0.001075	7.6120	ug/L
As-1	75	2889	2792	11	0.4	0.000976	9.9355	ug/L
Se	77	1993	53	10	18.2	-0.001674	-367.8987	ug/L
Se	82	13	7	8	101.0	-0.000004	1.1385	ug/L
Ag	107	23	16	2	9.8	-0.000003	0.0059	ug/L
Ag	109	21	15	3	20.8	-0.000003	-0.0039	ug/L
Cd	111	11	11	3	23.6	0.000002	0.0148	ug/L
Cd	114	28	29	9	30.5	0.000006	0.0598	ug/L
> In	115	1151262	934980	12430	1.3	934979.600741		ug/L
Sb	121	56	47	9	19.6	0.000002	-0.0019	ug/L
> Tm	169	804781	678765	12780	1.9	678764.781656		ug/L
Tl	205	6	9	2	22.2	0.000006	0.0004	ug/L
Pb	208	72	381	16	4.1	0.000471	0.3631	ug/L
C	13	20307	19834	81	0.4	-473.376835		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	81.420
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	81.737
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	81.213
Sb	121	
> Tm	169	84.342
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122316-MS2

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:35:01

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 337

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122119-MS2.184

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	13	3	23.1	0.000001	-0.0323	ug/L
> Sc	45	719009	577215	3888	0.7	577214.712119		ug/L
Cr	52	3658	5783	203	3.5	0.004930	8.3771	ug/L
Cr	53	21604	1247	31	2.5	-0.027886	-393.1219	ug/L
Cu	65	36	12840	53	0.4	0.029166	127.4892	ug/L
Cu	63	38	27118	206	0.8	0.061668	130.5930	ug/L
> Ge	74	540384	439244	988	0.2	439243.824267		ug/L
As	75	-96	6167	112	1.8	0.014216	116.6192	ug/L
As-1	75	2889	8476	140	1.7	0.013952	117.3658	ug/L
Se	77	1993	154	17	11.2	-0.001566	-344.0650	ug/L
Se	82	13	146	17	11.7	0.000144	29.4385	ug/L
Ag	107	23	13	3	18.9	-0.000005	-0.0023	ug/L
Ag	109	21	12	4	33.8	-0.000005	-0.0120	ug/L
Cd	111	11	423	23	5.5	0.000442	6.6669	ug/L
Cd	114	28	1011	52	5.1	0.001055	6.8107	ug/L
> In	115	1151262	936772	1646	0.2	936772.007199		ug/L
Sb	121	56	52	3	6.1	0.000007	0.0259	ug/L
> Tm	169	804781	683793	4630	0.7	683793.470907		ug/L
Tl	205	6	810	36	4.4	0.001177	1.2992	ug/L
Pb	208	72	11718	93	0.8	0.017049	14.0373	ug/L
C	13	20307	19774	122	0.6	-532.839188		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	80.279
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	81.284
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	81.369
Sb	121	
> Tm	169	84.966
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122316-MSD2

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:37:16

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 338

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\B122119-MSD2.185

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	13	6	41.3	0.000002	-0.0238	ug/L
> Sc	45	719009	576300	5022	0.9	576299.644805		ug/L
Cr	52	3658	5708	82	1.4	0.004815	8.1716	ug/L
Cr	53	21604	1175	26	2.3	-0.028008	-394.8036	ug/L
Cu	65	36	12760	127	1.0	0.029123	127.3018	ug/L
Cu	63	38	26828	220	0.8	0.061299	129.8116	ug/L
> Ge	74	540384	437169	4979	1.1	437169.134521		ug/L
As	75	-96	6115	50	0.8	0.014167	116.2177	ug/L
As-1	75	2889	8401	56	0.7	0.013873	116.7165	ug/L
Se	77	1993	144	6	3.9	-0.001578	-346.7473	ug/L
Se	82	13	145	13	8.9	0.000142	29.0833	ug/L
Ag	107	23	15	1	6.7	-0.000004	0.0031	ug/L
Ag	109	21	14	2	15.2	-0.000004	-0.0078	ug/L
Cd	111	11	427	21	5.0	0.000443	6.6790	ug/L
Cd	114	28	977	20	2.0	0.001011	6.5247	ug/L
> In	115	1151262	943883	2572	0.3	943883.329229		ug/L
Sb	121	56	56	4	6.4	0.000011	0.0440	ug/L
> Tm	169	804781	685996	1491	0.2	685995.837656		ug/L
Tl	205	6	809	24	2.9	0.001172	1.2934	ug/L
Pb	208	72	11851	80	0.7	0.017186	14.1509	ug/L
C	13	20307	19944	79	0.4	-363.136061		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	80.152
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	80.900
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	81.987
Sb	121	
> Tm	169	85.240
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVD

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 20:39:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCVD.186

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	987	32	3.2	0.001694	2.4100	ug/L
> Sc	45	719009	575576	9109	1.6	575575.805827		ug/L
Cr	52	3658	88625	1246	1.4	0.148894	26.6666	ug/L
Cr	53	21604	20249	515	2.5	0.005147	6.4114	ug/L
Cu	65	36	10729	76	0.7	0.023858	10.4312	ug/L
Cu	63	38	22140	349	1.6	0.049296	10.4400	ug/L
> Ge	74	540384	448472	3733	0.8	448472.189863		ug/L
As	75	-96	6031	133	2.2	0.013625	11.1715	ug/L
As-1	75	2889	8102	19	0.2	0.012721	10.7177	ug/L
Se	77	1993	1877	21	1.1	0.000210	4.7425	ug/L
Se	82	13	1023	78	7.7	0.001046	20.2426	ug/L
Ag	107	23	6288	55	0.9	0.006482	2.0884	ug/L
Ag	109	21	6192	69	1.1	0.006384	2.0688	ug/L
Cd	111	11	709	15	2.2	0.000724	1.0919	ug/L
Cd	114	28	1591	46	2.9	0.001621	1.0455	ug/L
> In	115	1151262	967114	3735	0.4	967114.430343		ug/L
Sb	121	56	4596	185	4.0	0.004704	2.4593	ug/L
> Tm	169	804781	707339	3362	0.5	707339.328272		ug/L
Tl	205	6	3259	73	2.2	0.004600	0.5095	ug/L
Pb	208	72	44006	341	0.8	0.062124	5.1218	ug/L
C	13	20307	15322	397	2.6	-4985.082221		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	80.051
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	82.991
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	84.005
Sb	121	
> Tm	169	87.892
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBD

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 20:41:49

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCBD.187

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	14	6	42.9	0.000003	-0.0004	ug/L
> Sc	45	719009	572702	3942	0.7	572701.617725		ug/L
Cr	52	3658	1349	69	5.1	-0.002733	-0.5371	ug/L
Cr	53	21604	6792	304	4.5	-0.018189	-25.8893	ug/L
Cu	65	36	27	5	18.9	-0.000006	0.0104	ug/L
Cu	63	38	43	2	3.6	0.000025	0.0085	ug/L
> Ge	74	540384	447453	6512	1.5	447453.422558		ug/L
As	75	-96	-146	83	57.1	-0.000148	-0.2531	ug/L
As-1	75	2889	2212	105	4.8	-0.000399	-0.1455	ug/L
Se	77	1993	612	29	4.7	-0.001101	-24.1675	ug/L
Se	82	13	2	3	118.3	-0.000009	0.0017	ug/L
Ag	107	23	28	6	22.4	0.000009	0.0046	ug/L
Ag	109	21	30	9	31.2	0.000013	0.0046	ug/L
Cd	111	11	7	2	22.9	-0.000003	-0.0054	ug/L
Cd	114	28	21	12	56.6	-0.000003	0.0000	ug/L
> In	115	1151262	972770	13502	1.4	972770.432368		ug/L
Sb	121	56	170	17	10.3	0.000126	0.0649	ug/L
> Tm	169	804781	702629	11700	1.7	702629.028072		ug/L
Tl	205	6	4	1	25.0	-0.000001	-0.0008	ug/L
Pb	208	72	69	3	4.4	0.000008	-0.0019	ug/L
C	13	20307	14874	44	0.3	-5432.830615		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	79.652
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	82.803
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	84.496
Sb	121	
> Tm	169	87.307
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-02RE1

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:44:05

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 339

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-02RE1.188

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	15	4	29.1	0.000005	0.0173	ug/L
> Sc	45	719009	576981	1275	0.2	576980.755076		ug/L
Cr	52	3658	591	45	7.5	-0.004063	-7.7577	ug/L
Cr	53	21604	1847	167	9.0	-0.026846	-378.7292	ug/L
Cu	65	36	795	11	1.4	0.001707	7.5845	ug/L
Cu	63	38	1820	19	1.0	0.003988	8.4752	ug/L
> Ge	74	540384	448492	1026	0.2	448492.377791		ug/L
As	75	-96	668	20	2.9	0.001667	12.5221	ug/L
As-1	75	2889	3092	98	3.2	0.001547	14.6635	ug/L
Se	77	1993	70	12	17.1	-0.001659	-364.5654	ug/L
Se	82	13	7	5	78.1	-0.000005	0.9347	ug/L
Ag	107	23	36	7	18.3	0.000018	0.0718	ug/L
Ag	109	21	34	1	1.7	0.000017	0.0593	ug/L
Cd	111	11	18	5	24.6	0.000009	0.1266	ug/L
Cd	114	28	54	7	13.5	0.000030	0.2138	ug/L
> In	115	1151262	976359	4691	0.5	976359.275565		ug/L
Sb	121	56	32	6	20.3	-0.000016	-0.0968	ug/L
> Tm	169	804781	708285	4828	0.7	708285.283983		ug/L
Tl	205	6	11	3	22.2	0.000009	0.0035	ug/L
Pb	208	72	975	16	1.6	0.001287	1.0357	ug/L
C	13	20307	21862	244	1.1	1554.935207		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	80.247
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	82.995
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	84.808
Sb	121	
> Tm	169	88.010
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-03RE1

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:46:20

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 340

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-03RE1.189

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	14	3	23.5	0.000003	-0.0137	ug/L
> Sc	45	719009	573708	3134	0.5	573708.002438		ug/L
Cr	52	3658	569	105	18.5	-0.004096	-7.8174	ug/L
Cr	53	21604	1338	75	5.6	-0.027716	-390.7646	ug/L
Cu	65	36	752	9	1.2	0.001650	7.3383	ug/L
Cu	63	38	2198	12	0.5	0.004943	10.4962	ug/L
> Ge	74	540384	438391	2110	0.5	438390.532437		ug/L
As	75	-96	728	41	5.6	0.001839	13.9499	ug/L
As-1	75	2889	3072	103	3.3	0.001662	15.6127	ug/L
Se	77	1993	56	14	24.1	-0.001671	-367.2547	ug/L
Se	82	13	4	8	198.3	-0.000007	0.4306	ug/L
Ag	107	23	17	6	33.8	-0.000001	0.0108	ug/L
Ag	109	21	17	5	28.4	-0.000001	0.0024	ug/L
Cd	111	11	19	5	24.2	0.000010	0.1403	ug/L
Cd	114	28	44	3	7.0	0.000022	0.1599	ug/L
> In	115	1151262	946920	5214	0.6	946919.717917		ug/L
Sb	121	56	57	6	10.5	0.000012	0.0505	ug/L
> Tm	169	804781	694156	6088	0.9	694156.189672		ug/L
Tl	205	6	14	7	52.9	0.000013	0.0076	ug/L
Pb	208	72	4813	110	2.3	0.006844	5.6200	ug/L
C	13	20307	21085	141	0.7	778.102060		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	79.792
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	81.126
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	82.251
Sb	121	
> Tm	169	86.254
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-04RE1

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:48:35

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 341

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-04RE1.190

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	16	5	28.6	0.000007	0.0491	ug/L
> Sc	45	719009	566407	2004	0.4	566407.341855		ug/L
Cr	52	3658	488	45	9.2	-0.004227	-8.0517	ug/L
Cr	53	21604	1060	72	6.7	-0.028176	-397.1256	ug/L
Cu	65	36	545	6	1.1	0.001185	5.3083	ug/L
Cu	63	38	1744	36	2.1	0.003937	8.3676	ug/L
> Ge	74	540384	435262	2488	0.6	435261.838085		ug/L
As	75	-96	528	25	4.8	0.001389	10.2173	ug/L
As-1	75	2889	2819	36	1.3	0.001130	11.2093	ug/L
Se	77	1993	60	2	3.5	-0.001667	-366.2819	ug/L
Se	82	13	19	4	21.9	0.000009	3.4918	ug/L
Ag	107	23	12	4	30.0	-0.000007	-0.0071	ug/L
Ag	109	21	14	2	11.2	-0.000004	-0.0077	ug/L
Cd	111	11	18	2	8.3	0.000010	0.1363	ug/L
Cd	114	28	50	4	8.1	0.000028	0.1978	ug/L
> In	115	1151262	943561	4412	0.5	943561.415757		ug/L
Sb	121	56	40	6	15.6	-0.000006	-0.0445	ug/L
> Tm	169	804781	689775	1166	0.2	689774.987729		ug/L
Tl	205	6	4	3	75.0	-0.000001	-0.0078	ug/L
Pb	208	72	353	12	3.3	0.000422	0.3228	ug/L
C	13	20307	20100	67	0.3	-206.792363		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	78.776
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	80.547
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	81.959
Sb	121	
> Tm	169	85.710
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-05RE1

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:50:49

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 342

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-05RE1.191

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	17	7	40.8	0.000009	0.0770	ug/L
> Sc	45	719009	562591	2603	0.5	562591.058911		ug/L
Cr	52	3658	447	87	19.4	-0.004293	-8.1700	ug/L
Cr	53	21604	913	53	5.8	-0.028424	-400.5599	ug/L
Cu	65	36	497	16	3.1	0.001086	4.8759	ug/L
Cu	63	38	1704	4	0.3	0.003881	8.2485	ug/L
> Ge	74	540384	431291	743	0.2	431291.296919		ug/L
As	75	-96	585	28	4.7	0.001534	11.4250	ug/L
As-1	75	2889	2896	87	3.0	0.001369	13.1840	ug/L
Se	77	1993	58	5	8.9	-0.001669	-366.8574	ug/L
Se	82	13	13	10	77.6	0.000002	2.2740	ug/L
Ag	107	23	12	4	32.5	-0.000007	-0.0082	ug/L
Ag	109	21	12	3	20.4	-0.000005	-0.0122	ug/L
Cd	111	11	19	2	10.5	0.000010	0.1478	ug/L
Cd	114	28	42	4	9.6	0.000020	0.1460	ug/L
> In	115	1151262	940534	3457	0.4	940534.290405		ug/L
Sb	121	56	45	2	4.7	-0.000001	-0.0179	ug/L
> Tm	169	804781	696218	10950	1.6	696217.604614		ug/L
Tl	205	6	4	1	25.0	-0.000001	-0.0079	ug/L
Pb	208	72	459	11	2.4	0.000570	0.4444	ug/L
C	13	20307	20446	118	0.6	138.977775		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	78.245
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	79.812
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	81.696
Sb	121	
> Tm	169	86.510
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-06RE1

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:53:04

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 343

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-06RE1.192

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	14	3	21.3	0.000004	0.0105	ug/L
> Sc	45	719009	561075	3046	0.5	561074.948683		ug/L
Cr	52	3658	687	46	6.6	-0.003864	-7.3999	ug/L
Cr	53	21604	807	49	6.0	-0.028609	-403.1249	ug/L
Cu	65	36	258	25	9.5	0.000533	2.4601	ug/L
Cu	63	38	1235	36	3.0	0.002797	5.9528	ug/L
> Ge	74	540384	430765	3899	0.9	430765.388694		ug/L
As	75	-96	372	22	5.8	0.001041	7.3303	ug/L
As-1	75	2889	2663	45	1.7	0.000837	8.7850	ug/L
Se	77	1993	48	5	9.5	-0.001680	-369.1134	ug/L
Se	82	13	4	6	128.4	-0.000007	0.5099	ug/L
Ag	107	23	19	2	10.8	0.000001	0.0182	ug/L
Ag	109	21	15	5	31.5	-0.000003	-0.0041	ug/L
Cd	111	11	16	5	32.1	0.000007	0.0944	ug/L
Cd	114	28	28	5	16.4	0.000006	0.0542	ug/L
> In	115	1151262	939485	5098	0.5	939485.115687		ug/L
Sb	121	56	40	4	10.9	-0.000006	-0.0435	ug/L
> Tm	169	804781	690089	3981	0.6	690089.362372		ug/L
Tl	205	6	3	1	34.6	-0.000002	-0.0089	ug/L
Pb	208	72	953	23	2.4	0.001292	1.0398	ug/L
C	13	20307	17447	272	1.6	-2859.593007		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	78.035
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	79.715
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	81.605
Sb	121	
> Tm	169	85.749
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-07RE1

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:55:18

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 344

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-07RE1.193

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	16	5	28.6	0.000007	0.0529	ug/L
> Sc	45	719009	561032	3651	0.7	561031.523312		ug/L
Cr	52	3658	693	44	6.3	-0.003853	-7.3810	ug/L
Cr	53	21604	742	36	4.9	-0.028724	-404.7219	ug/L
Cu	65	36	550	6	1.0	0.001212	5.4246	ug/L
Cu	63	38	1868	36	1.9	0.004272	9.0757	ug/L
> Ge	74	540384	430104	974	0.2	430103.648189		ug/L
As	75	-96	562	45	8.0	0.001484	11.0098	ug/L
As-1	75	2889	2819	52	1.8	0.001209	11.8631	ug/L
Se	77	1993	44	11	25.6	-0.001684	-370.0631	ug/L
Se	82	13	11	3	27.0	0.000001	1.9410	ug/L
Ag	107	23	11	3	24.1	-0.000008	-0.0105	ug/L
Ag	109	21	13	3	21.7	-0.000004	-0.0088	ug/L
Cd	111	11	26	4	13.9	0.000018	0.2601	ug/L
Cd	114	28	59	5	8.2	0.000038	0.2623	ug/L
> In	115	1151262	940992	9474	1.0	940992.371670		ug/L
Sb	121	56	58	7	12.6	0.000013	0.0580	ug/L
> Tm	169	804781	693720	2695	0.4	693719.709756		ug/L
Tl	205	6	9	5	48.3	0.000006	0.0007	ug/L
Pb	208	72	6642	120	1.8	0.009485	7.7986	ug/L
C	13	20307	18782	99	0.5	-1525.273897		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	78.028
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	79.592
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	81.736
Sb	121	
> Tm	169	86.200
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-08RE1

Sample Description: 10x

Batch ID: B122316

Sample Date/Time: Saturday, December 08, 2012 20:57:33

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 345

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\1245005-08RE1.194

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	9	3	29.0	-0.000006	-0.1322	ug/L
> Sc	45	719009	557558	6188	1.1	557558.493621		ug/L
Cr	52	3658	185	45	24.3	-0.004755	-8.9995	ug/L
Cr	53	21604	686	38	5.6	-0.028818	-406.0195	ug/L
Cu	65	36	1303	14	1.0	0.002966	13.0823	ug/L
Cu	63	38	3358	41	1.2	0.007741	16.4201	ug/L
> Ge	74	540384	429930	2610	0.6	429929.564020		ug/L
As	75	-96	1115	25	2.2	0.002770	21.6719	ug/L
As-1	75	2889	3404	16	0.5	0.002572	23.1500	ug/L
Se	77	1993	48	4	8.5	-0.001680	-369.1314	ug/L
Se	82	13	14	10	69.8	0.000004	2.5518	ug/L
Ag	107	23	23	3	11.1	0.000005	0.0300	ug/L
Ag	109	21	22	4	18.6	0.000006	0.0228	ug/L
Cd	111	11	28	10	36.2	0.000020	0.2948	ug/L
Cd	114	28	67	17	25.4	0.000047	0.3205	ug/L
> In	115	1151262	934272	5196	0.6	934271.720637		ug/L
Sb	121	56	64	9	13.6	0.000020	0.0922	ug/L
> Tm	169	804781	686863	5333	0.8	686862.617785		ug/L
Tl	205	6	27	4	15.2	0.000032	0.0289	ug/L
Pb	208	72	2350	5	0.2	0.003332	2.7226	ug/L
C	13	20307	23409	35	0.1	3102.111548		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	77.545
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	79.560
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	81.152
Sb	121	
> Tm	169	85.348
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVE

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 20:59:49

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCVE.195

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	931	32	3.4	0.001622	2.3063	ug/L
> Sc	45	719009	566410	5672	1.0	566410.469878		ug/L
Cr	52	3658	86365	111	0.1	0.147398	26.3981	ug/L
Cr	53	21604	20048	559	2.8	0.005354	6.6983	ug/L
Cu	65	36	10595	17	0.2	0.023892	10.4459	ug/L
Cu	63	38	21837	72	0.3	0.049308	10.4424	ug/L
> Ge	74	540384	442240	1861	0.4	442240.054994		ug/L
As	75	-96	5849	128	2.2	0.013402	10.9869	ug/L
As-1	75	2889	7937	220	2.8	0.012602	10.6192	ug/L
Se	77	1993	1949	63	3.2	0.000275	6.1613	ug/L
Se	82	13	1010	31	3.0	0.001028	19.8843	ug/L
Ag	107	23	6286	114	1.8	0.006449	2.0777	ug/L
Ag	109	21	6017	68	1.1	0.006173	2.0004	ug/L
Cd	111	11	722	22	3.0	0.000733	1.1062	ug/L
Cd	114	28	1634	74	4.5	0.001657	1.0686	ug/L
> In	115	1151262	971919	11782	1.2	971918.798177		ug/L
Sb	121	56	4357	150	3.4	0.004434	2.3185	ug/L
> Tm	169	804781	712056	6995	1.0	712055.946487		ug/L
Tl	205	6	3387	80	2.4	0.004750	0.5262	ug/L
Pb	208	72	44158	147	0.3	0.061930	5.1058	ug/L
C	13	20307	14576	145	1.0	-5730.645053		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	78.777
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	81.838
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	84.422
Sb	121	
> Tm	169	88.478
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBE

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 21:02:05

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\SEQ-CCBE.196

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	14	1	4.0	0.000004	0.0010	ug/L
> Sc	45	719009	561741	269	0.0	561741.293566		ug/L
Cr	52	3658	1329	83	6.3	-0.002723	-0.5353	ug/L
Cr	53	21604	6484	181	2.8	-0.018504	-26.3254	ug/L
Cu	65	36	26	4	15.8	-0.000006	0.0106	ug/L
Cu	63	38	51	3	6.0	0.000046	0.0130	ug/L
> Ge	74	540384	439697	3114	0.7	439697.272516		ug/L
As	75	-96	-4	175	3930.4	0.000165	0.0064	ug/L
As-1	75	2889	2358	162	6.9	0.000015	0.1974	ug/L
Se	77	1993	583	34	5.8	-0.001122	-24.6215	ug/L
Se	82	13	3	12	364.5	-0.000008	0.0289	ug/L
Ag	107	23	23	9	37.5	0.000004	0.0028	ug/L
Ag	109	21	34	13	39.6	0.000017	0.0059	ug/L
Cd	111	11	6	1	20.4	-0.000004	-0.0068	ug/L
Cd	114	28	19	4	22.0	-0.000004	-0.0010	ug/L
> In	115	1151262	957532	8315	0.9	957531.646713		ug/L
Sb	121	56	93	1	1.2	0.000048	0.0240	ug/L
> Tm	169	804781	698014	4375	0.6	698013.843459		ug/L
Tl	205	6	3	2	57.3	-0.000003	-0.0010	ug/L
Pb	208	72	63	4	6.0	0.000000	-0.0025	ug/L
C	13	20307	14415	198	1.4	-5891.567358		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	78.127
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	81.368
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	83.172
Sb	121	
> Tm	169	86.733
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 21:04:24

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\rinse.197

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	10	2	14.8	-0.000003	-0.0093	ug/L
> Sc	45	719009	565597	2719	0.5	565596.572338		ug/L
Cr	52	3658	1269	40	3.2	-0.002845	-0.5572	ug/L
Cr	53	21604	5046	194	3.9	-0.021126	-29.9548	ug/L
Cu	65	36	27	4	13.4	-0.000005	0.0110	ug/L
Cu	63	38	47	6	12.0	0.000036	0.0109	ug/L
> Ge	74	540384	444221	3060	0.7	444221.438232		ug/L
As	75	-96	-23	35	155.5	0.000125	-0.0263	ug/L
As-1	75	2889	2254	31	1.4	-0.000272	-0.0401	ug/L
Se	77	1993	403	7	1.7	-0.001313	-28.8222	ug/L
Se	82	13	4	2	52.5	-0.000008	0.0357	ug/L
Ag	107	23	17	5	29.0	-0.000002	0.0010	ug/L
Ag	109	21	18	4	20.7	0.000001	0.0007	ug/L
Cd	111	11	9	2	16.4	-0.000000	-0.0011	ug/L
Cd	114	28	23	3	11.1	-0.000001	0.0010	ug/L
> In	115	1151262	963072	890	0.1	963072.118176		ug/L
Sb	121	56	46	3	5.8	-0.000001	-0.0016	ug/L
> Tm	169	804781	695899	6338	0.9	695898.926896		ug/L
Tl	205	6	4	3	78.7	-0.000002	-0.0008	ug/L
Pb	208	72	81	7	8.3	0.000026	-0.0004	ug/L
C	13	20307	14508	71	0.5	-5799.088327		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	78.663
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	82.205
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	83.654
Sb	121	
> Tm	169	86.471
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Saturday, December 08, 2012 21:06:38
 Diluted To Volume (mL):
 Aliquot Volume (mL):
 Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam
 Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\rinse.198
 Calibration File: C:\Elandata\System\2012\12-12\1200911.cal
 Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	11	2	18.2	-0.000002	-0.0077	ug/L
> Sc	45	719009	568130	2170	0.4	568130.385183		ug/L
Cr	52	3658	1187	48	4.0	-0.002998	-0.5847	ug/L
Cr	53	21604	5035	184	3.7	-0.021185	-30.0369	ug/L
Cu	65	36	26	1	2.2	-0.000007	0.0103	ug/L
Cu	63	38	43	4	8.4	0.000027	0.0088	ug/L
> Ge	74	540384	443436	3234	0.7	443435.813832		ug/L
As	75	-96	-126	48	37.9	-0.000108	-0.2197	ug/L
As-1	75	2889	2206	109	4.9	-0.000369	-0.1202	ug/L
Se	77	1993	433	15	3.4	-0.001279	-28.0782	ug/L
Se	82	13	-1	2	431.3	-0.000012	-0.0504	ug/L
Ag	107	23	12	2	16.9	-0.000007	-0.0007	ug/L
Ag	109	21	13	4	33.5	-0.000005	-0.0011	ug/L
Cd	111	11	10	3	26.0	0.000000	-0.0005	ug/L
Cd	114	28	18	3	14.9	-0.000005	-0.0017	ug/L
> In	115	1151262	959018	2243	0.2	959017.709957		ug/L
Sb	121	56	40	3	7.2	-0.000007	-0.0046	ug/L
> Tm	169	804781	697751	3259	0.5	697750.811200		ug/L
Tl	205	6	3	1	43.3	-0.000003	-0.0010	ug/L
Pb	208	72	61	3	4.7	-0.000002	-0.0027	ug/L
C	13	20307	14584	276	1.9	-5722.964073		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	79.016
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	82.059
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	83.301
Sb	121	
> Tm	169	86.701
Tl	205	
Pb	208	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, December 08, 2012 21:08:52

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200911.sam

Method File: C:\Elandata\Method\2012\12-12\1200911-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\Dataset\Data\2012\12-12\1200911\rinse.199

Calibration File: C:\Elandata\System\2012\12-12\1200911.cal

Blank File: C:\Elandata\Dataset\Data\2012\12-12\1200911\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
Be	9	15	15	3	16.4	0.000006	0.0030	ug/L
> Sc	45	719009	569421	2661	0.5	569420.548208		ug/L
Cr	52	3658	1225	5	0.4	-0.002937	-0.5737	ug/L
Cr	53	21604	5133	202	3.9	-0.021032	-29.8252	ug/L
Cu	65	36	26	4	13.7	-0.000008	0.0096	ug/L
Cu	63	38	44	4	8.2	0.000029	0.0092	ug/L
> Ge	74	540384	444596	2900	0.7	444596.418984		ug/L
As	75	-96	5	38	695.5	0.000189	0.0267	ug/L
As-1	75	2889	2347	92	3.9	-0.000066	0.1304	ug/L
Se	77	1993	407	16	3.9	-0.001308	-28.7158	ug/L
Se	82	13	-3	3	104.7	-0.000015	-0.0975	ug/L
Ag	107	23	10	2	14.8	-0.000009	-0.0013	ug/L
Ag	109	21	10	4	36.1	-0.000008	-0.0021	ug/L
Cd	111	11	5	3	52.9	-0.000005	-0.0079	ug/L
Cd	114	28	30	2	6.2	0.000006	0.0057	ug/L
> In	115	1151262	961624	6704	0.7	961623.528807		ug/L
Sb	121	56	42	5	10.9	-0.000005	-0.0038	ug/L
> Tm	169	804781	702077	1334	0.2	702076.611114		ug/L
Tl	205	6	5	3	65.5	-0.000000	-0.0007	ug/L
Pb	208	72	63	7	11.2	-0.000000	-0.0026	ug/L
C	13	20307	14650	164	1.1	-5657.193587		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
Be	9	
> Sc	45	79.195
Cr	52	
Cr	53	
Cu	65	
Cu	63	
> Ge	74	82.274
As	75	
As-1	75	
Se	77	
Se	82	

Ag	107	
Ag	109	
Cd	111	
Cd	114	
> In	115	83.528
Sb	121	
> Tm	169	87.238
Tl	205	
Pb	208	
C	13	

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200980

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200980-ICB1	1200980	QC	1		-			
1200980-CAL1	1200980	QC	2	1227100	-			
1200980-CAL2	1200980	QC	3	1227099	-			
1200980-CAL3	1200980	QC	4	1227098	-			
1200980-CAL4	1200980	QC	5	1227097	-			
1200980-CAL5	1200980	QC	6	1227096	-			
1200980-CAL6	1200980	QC	7	1227095	-			
1200980-CAL7	1200980	QC	8	1227094	-			
1200980-ICB2	1200980	QC	9		-			
1200980-ICV1	1200980	QC	10	1245089	-			
1200980-ICV2	1200980	QC	11	1245090	-			
1200980-ICB3	1200980	QC	12		-			
1200980-IBL1	1200980	QC	13		-			
1200980-IBL2	1200980	QC	14		-			
1200980-IBL3	1200980	QC	15		-			
1200980-IBL4	1200980	QC	16		-			
1200980-SCV1	1200980	QC	17	1245085	-			
1200980-SCV2	1200980	QC	18	1245086	-			
1200980-CCV1	1200980	QC	19	1227097	-			
1200980-CCB1	1200980	QC	20		-			
1200980-CCV2	1200980	QC	21	1227097	-			
1200980-CCB2	1200980	QC	22		-			
1200980-CCV3	1200980	QC	23	1227097	-			
1200980-CCB3	1200980	QC	24		-			
B122439-BLK1	B122439	QC	25		-			
B122439-BLK2	B122439	QC	26		-			

ANALYSIS SEQUENCE

BRL Report 1245005

1200980

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B122439-BLK3	B122439	QC	27		-			
B122439-BLK4	B122439	QC	28		-			
B122439-BS1	B122439	QC	29		-			
B122439-SRM1	B122439	QC	30		-			
B122439-SRM2	B122439	QC	31		-			
1245032-10RE1	B122439	Zn-W-ChelCol-ICPMS-Diss	32			HCl-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-10RE1	B122439	Ni-W-ChelCol-ICPMS-Diss	33			HCl-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-10RE1	B122439	Fe-W-ChelCol-ICPMS-Diss	34			HCl-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-01RE1	B122439	Zn-W-ChelCol-ICPMS-Diss	35			HCl-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-01RE1	B122439	Pb-W-ChelCol-ICPMS-TR	36			HCl-SE1201	1/1/1980	BatchQC
1245032-01RE1	B122439	Pb-W-ChelCol-ICPMS-Diss	37			HCl-SE1201	1/1/1980	BatchQC
1245032-01RE1	B122439	Ni-W-ChelCol-ICPMS-Diss	38			HCl-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-01RE1	B122439	Fe-W-ChelCol-ICPMS-Diss	39			HCl-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-01RE1	B122439	Cu-W-ChelCol-ICPMS-TR	40			HCl-SE1201	1/1/1980	BatchQC
1245032-01RE1	B122439	Cu-W-ChelCol-ICPMS-Diss	41			HCl-SE1201	1/1/1980	BatchQC
1245032-01RE1	B122439	Cd-W-ChelCol-ICPMS-TR	42			HCl-SE1201	1/1/1980	BatchQC
B122439-DUP1	B122439	QC	43		1245032-01RE1			
B122439-MS1	B122439	QC	44		1245032-01RE1			
1200980-CCV4	1200980	QC	45	1227097	-			
1200980-CCB4	1200980	QC	46		-			
B122439-MSD1	B122439	QC	47		1245032-01RE1			
1245032-02RE1	B122439	Zn-W-ChelCol-ICPMS-Diss	48			HCl-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-02RE1	B122439	Ni-W-ChelCol-ICPMS-Diss	49			HCl-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-02RE1	B122439	Fe-W-ChelCol-ICPMS-Diss	50			HCl-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-03RE1	B122439	Zn-W-ChelCol-ICPMS-Diss	51			HCl-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-03RE1	B122439	Ni-W-ChelCol-ICPMS-Diss	52			HCl-SE1201	12/3/2012	From B122114 by FKM on 12/28/12

ANALYSIS SEQUENCE

BRL Report 1245005

1200980

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1245032-03RE1	B122439	Fe-W-ChelCol-ICPMS-Diss	53			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-04RE1	B122439	Zn-W-ChelCol-ICPMS-Diss	54			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-04RE1	B122439	Pb-W-ChelCol-ICPMS-Diss	55			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-04RE1	B122439	Ni-W-ChelCol-ICPMS-Diss	56			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-04RE1	B122439	Fe-W-ChelCol-ICPMS-Diss	57			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-04RE1	B122439	Cu-W-ChelCol-ICPMS-Diss	58			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-05RE1	B122439	Zn-W-ChelCol-ICPMS-Diss	59			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-05RE1	B122439	Ni-W-ChelCol-ICPMS-Diss	60			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-05RE1	B122439	Fe-W-ChelCol-ICPMS-Diss	61			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-06RE1	B122439	Zn-W-ChelCol-ICPMS-Diss	62			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-06RE1	B122439	Ni-W-ChelCol-ICPMS-Diss	63			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-06RE1	B122439	Fe-W-ChelCol-ICPMS-Diss	64			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-07RE1	B122439	Zn-W-ChelCol-ICPMS-Diss	65			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-07RE1	B122439	Ni-W-ChelCol-ICPMS-Diss	66			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-07RE1	B122439	Fe-W-ChelCol-ICPMS-Diss	67			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-08RE1	B122439	Zn-W-ChelCol-ICPMS-Diss	68			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-08RE1	B122439	Pb-W-ChelCol-ICPMS-Diss	69			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-08RE1	B122439	Ni-W-ChelCol-ICPMS-Diss	70			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-08RE1	B122439	Fe-W-ChelCol-ICPMS-Diss	71			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-08RE1	B122439	Cu-W-ChelCol-ICPMS-Diss	72			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-09RE1	B122439	Zn-W-ChelCol-ICPMS-Diss	73			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-09RE1	B122439	Pb-W-ChelCol-ICPMS-Diss	74			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-09RE1	B122439	Ni-W-ChelCol-ICPMS-Diss	75			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-09RE1	B122439	Fe-W-ChelCol-ICPMS-Diss	76			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1245032-09RE1	B122439	Cu-W-ChelCol-ICPMS-Diss	77			HCI-SE1201	12/3/2012	From B122114 by FKM on 12/28/12
1200980-CCV5	1200980	QC	78	1227097	-			

ANALYSIS SEQUENCE

BRL Report 1245005

1200980

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200980-CCB5	1200980	QC	79		-			
1245005-19RE1	B122439	Zn-W-ChelCol-ICPMS-Diss	80			UDE-SL1201	1/1/1980	BatchQC
1245005-19RE1	B122439	Pb-W-ChelCol-ICPMS-TR	81			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1245005-19RE1	B122439	Pb-W-ChelCol-ICPMS-Diss	82			UDE-SL1201	1/1/1980	BatchQC
1245005-19RE1	B122439	Ni-W-ChelCol-ICPMS-Diss	83			UDE-SL1201	1/1/1980	BatchQC
1245005-19RE1	B122439	Fe-W-ChelCol-ICPMS-Diss	84			UDE-SL1201	1/1/1980	BatchQC
1245005-19RE1	B122439	Cu-W-ChelCol-ICPMS-TR	85			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1245005-19RE1	B122439	Cu-W-ChelCol-ICPMS-Diss	86			UDE-SL1201	1/1/1980	BatchQC
1245005-19RE1	B122439	Cd-W-ChelCol-ICPMS-TR	87			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
B122439-DUP2	B122439	QC	88		1245005-19RE1			
B122439-MS2	B122439	QC	89		1245005-19RE1			
B122439-MSD2	B122439	QC	90		1245005-19RE1			
1245005-20RE1	B122439	Pb-W-ChelCol-ICPMS-TR	91			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1245005-20RE1	B122439	Cu-W-ChelCol-ICPMS-TR	92			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1245005-20RE1	B122439	Cd-W-ChelCol-ICPMS-TR	93			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1245005-21RE1	B122439	Pb-W-ChelCol-ICPMS-TR	94			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1245005-21RE1	B122439	Cu-W-ChelCol-ICPMS-TR	95			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1245005-21RE1	B122439	Cd-W-ChelCol-ICPMS-TR	96			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1245005-22RE1	B122439	Pb-W-ChelCol-ICPMS-TR	97			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1245005-22RE1	B122439	Cu-W-ChelCol-ICPMS-TR	98			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1245005-22RE1	B122439	Cd-W-ChelCol-ICPMS-TR	99			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1245005-23RE1	B122439	Pb-W-ChelCol-ICPMS-TR	100			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1245005-23RE1	B122439	Cu-W-ChelCol-ICPMS-TR	101			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1245005-23RE1	B122439	Cd-W-ChelCol-ICPMS-TR	102			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1245005-24RE1	B122439	Pb-W-ChelCol-ICPMS-TR	103			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1245005-24RE1	B122439	Cu-W-ChelCol-ICPMS-TR	104			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12

ANALYSIS SEQUENCE

BRL Report 1245005

1200980

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1245005-24RE1	B122439	Cd-W-ChelCol-ICPMS-TR	105			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1245005-25RE1	B122439	Pb-W-ChelCol-ICPMS-TR	106			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1245005-25RE1	B122439	Cu-W-ChelCol-ICPMS-TR	107			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1245005-25RE1	B122439	Cd-W-ChelCol-ICPMS-TR	108			UDE-SL1201	12/5/2012	From B122114 by FKM on 12/28/12
1200980-CCV6	1200980	QC	109	1227097	-			
1200980-CCB6	1200980	QC	110		-			
1245020-04RE1	B122439	Zn-W-ChelCol-ICPMS-Diss	111			UDE-SL1201	1/1/1980	BatchQC
1245020-04RE1	B122439	Pb-W-ChelCol-ICPMS-TR	112			UDE-SL1201	12/6/2012	From B122114 by FKM on 12/28/12
1245020-04RE1	B122439	Pb-W-ChelCol-ICPMS-Diss	113			UDE-SL1201	1/1/1980	BatchQC
1245020-04RE1	B122439	Ni-W-ChelCol-ICPMS-Diss	114			UDE-SL1201	1/1/1980	BatchQC
1245020-04RE1	B122439	Fe-W-ChelCol-ICPMS-Diss	115			UDE-SL1201	1/1/1980	BatchQC
1245020-04RE1	B122439	Cu-W-ChelCol-ICPMS-TR	116			UDE-SL1201	12/6/2012	From B122114 by FKM on 12/28/12
1245020-04RE1	B122439	Cu-W-ChelCol-ICPMS-Diss	117			UDE-SL1201	1/1/1980	BatchQC
1245020-04RE1	B122439	Cd-W-ChelCol-ICPMS-TR	118			UDE-SL1201	12/6/2012	From B122114 by FKM on 12/28/12
B122439-DUP3	B122439	QC	119		1245020-04RE1			
B122439-MS3	B122439	QC	120		1245020-04RE1			
B122439-MSD3	B122439	QC	121		1245020-04RE1			
1245020-08RE1	B122439	Pb-W-ChelCol-ICPMS-TR	122			UDE-SL1201	12/6/2012	From B122114 by FKM on 12/28/12
1245020-08RE1	B122439	Cu-W-ChelCol-ICPMS-TR	123			UDE-SL1201	12/6/2012	From B122114 by FKM on 12/28/12
1245020-08RE1	B122439	Cd-W-ChelCol-ICPMS-TR	124			UDE-SL1201	12/6/2012	From B122114 by FKM on 12/28/12
1245020-12RE1	B122439	Pb-W-ChelCol-ICPMS-TR	125			UDE-SL1201	12/6/2012	From B122114 by FKM on 12/28/12
1245020-12RE1	B122439	Cu-W-ChelCol-ICPMS-TR	126			UDE-SL1201	12/6/2012	From B122114 by FKM on 12/28/12
1245020-12RE1	B122439	Cd-W-ChelCol-ICPMS-TR	127			UDE-SL1201	12/6/2012	From B122114 by FKM on 12/28/12
1245020-16RE1	B122439	Pb-W-ChelCol-ICPMS-TR	128			UDE-SL1201	12/6/2012	From B122114 by FKM on 12/28/12
1245020-16RE1	B122439	Cu-W-ChelCol-ICPMS-TR	129			UDE-SL1201	12/6/2012	From B122114 by FKM on 12/28/12
1245020-16RE1	B122439	Cd-W-ChelCol-ICPMS-TR	130			UDE-SL1201	12/6/2012	From B122114 by FKM on 12/28/12

ANALYSIS SEQUENCE

BRL Report 1245005

1200980

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200980-CCV7	1200980	QC	131	1227096	-			
1200980-CCB7	1200980	QC	132		-			
B122441-BLK1	B122441	QC	133		-			
B122441-BLK2	B122441	QC	134		-			
B122441-BLK3	B122441	QC	135		-			
B122441-BLK4	B122441	QC	136		-			
B122441-BS1	B122441	QC	137		-			
B122441-SRM1	B122441	QC	138		-			
B122441-SRM2	B122441	QC	139		-			
1247017-01RE1	B122441	Ni-W-ChelCol-ICPMS-Diss	140			SFE-OA1101	12/13/2012	From B122198 by FKM on 12/28/12
B122441-DUP1	B122441	QC	141		1247017-01RE1			
B122441-MS1	B122441	QC	142		1247017-01RE1			
B122441-MSD1	B122441	QC	143		1247017-01RE1			
1247017-02RE1	B122441	Ni-W-ChelCol-ICPMS-Diss	144			SFE-OA1101	12/13/2012	From B122198 by FKM on 12/28/12
1200980-CCV8	1200980	QC	145	1227096	-			
1200980-CCB8	1200980	QC	146		-			
1247017-03RE1	B122441	Ni-W-ChelCol-ICPMS-Diss	147			SFE-OA1101	12/13/2012	From B122198 by FKM on 12/28/12
1247017-04RE1	B122441	Ni-W-ChelCol-ICPMS-Diss	148			SFE-OA1101	12/13/2012	From B122198 by FKM on 12/28/12
1247017-05RE1	B122441	Ni-W-ChelCol-ICPMS-Diss	149			SFE-OA1101	12/13/2012	From B122198 by FKM on 12/28/12
1247017-06RE1	B122441	Ni-W-ChelCol-ICPMS-Diss	150			SFE-OA1101	12/13/2012	From B122198 by FKM on 12/28/12
1247017-07RE1	B122441	Ni-W-ChelCol-ICPMS-Diss	151			SFE-OA1101	12/13/2012	From B122198 by FKM on 12/28/12
1247017-08RE1	B122441	Ni-W-ChelCol-ICPMS-Diss	152			SFE-OA1101	12/13/2012	From B122198 by FKM on 12/28/12
1247017-09RE1	B122441	Ni-W-ChelCol-ICPMS-Diss	153			SFE-OA1101	12/13/2012	From B122198 by FKM on 12/28/12
1247017-10RE1	B122441	Ni-W-ChelCol-ICPMS-Diss	154			SFE-OA1101	12/13/2012	From B122198 by FKM on 12/28/12
1200980-CCV9	1200980	QC	155	1227096	-			
1200980-CCB9	1200980	QC	156		-			

ANALYSIS SEQUENCE

BRL Report 1245005

1200980

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1247017-11RE1	B122441	Ni-W-ChelCol-ICPMS-Diss	157			SFE-OA1101	12/13/2012	From B122198 by FKM on 12/28/12
B122441-DUP2	B122441	QC	158		1247017-11RE1			
B122441-MS2	B122441	QC	159		1247017-11RE1			
B122441-MSD2	B122441	QC	160		1247017-11RE1			
1247017-12RE1	B122441	Ni-W-ChelCol-ICPMS-Diss	161			SFE-OA1101	12/13/2012	From B122198 by FKM on 12/28/12
1245032-01RE2	B122439	Zn-W-ChelCol-ICPMS-Diss	162			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-01RE2	B122439	Ni-W-ChelCol-ICPMS-Diss	163			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-01RE2	B122439	Fe-W-ChelCol-ICPMS-Diss	164			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
B122439-DUP4	B122439	QC	165		1245032-01RE2			
B122439-MS4	B122439	QC	166		1245032-01RE2			
1200980-CCVA	1200980	QC	167	1227096	-			
1200980-CCBA	1200980	QC	168		-			
B122439-MSD4	B122439	QC	169		1245032-01RE2			
1245032-02RE2	B122439	Zn-W-ChelCol-ICPMS-Diss	170			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-02RE2	B122439	Ni-W-ChelCol-ICPMS-Diss	171			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-02RE2	B122439	Fe-W-ChelCol-ICPMS-Diss	172			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-03RE2	B122439	Zn-W-ChelCol-ICPMS-Diss	173			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-03RE2	B122439	Ni-W-ChelCol-ICPMS-Diss	174			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-03RE2	B122439	Fe-W-ChelCol-ICPMS-Diss	175			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-04RE2	B122439	Zn-W-ChelCol-ICPMS-Diss	176			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-04RE2	B122439	Pb-W-ChelCol-ICPMS-Diss	177			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-04RE2	B122439	Ni-W-ChelCol-ICPMS-Diss	178			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-04RE2	B122439	Fe-W-ChelCol-ICPMS-Diss	179			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-04RE2	B122439	Cu-W-ChelCol-ICPMS-Diss	180			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-05RE2	B122439	Zn-W-ChelCol-ICPMS-Diss	181			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-05RE2	B122439	Ni-W-ChelCol-ICPMS-Diss	182			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200980

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1245032-05RE2	B122439	Fe-W-ChelCol-ICPMS-Diss	183			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-06RE2	B122439	Zn-W-ChelCol-ICPMS-Diss	184			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-06RE2	B122439	Ni-W-ChelCol-ICPMS-Diss	185			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-06RE2	B122439	Fe-W-ChelCol-ICPMS-Diss	186			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-07RE2	B122439	Zn-W-ChelCol-ICPMS-Diss	187			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-07RE2	B122439	Ni-W-ChelCol-ICPMS-Diss	188			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-07RE2	B122439	Fe-W-ChelCol-ICPMS-Diss	189			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-08RE2	B122439	Zn-W-ChelCol-ICPMS-Diss	190			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-08RE2	B122439	Pb-W-ChelCol-ICPMS-Diss	191			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-08RE2	B122439	Ni-W-ChelCol-ICPMS-Diss	192			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-08RE2	B122439	Fe-W-ChelCol-ICPMS-Diss	193			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-08RE2	B122439	Cu-W-ChelCol-ICPMS-Diss	194			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-09RE2	B122439	Zn-W-ChelCol-ICPMS-Diss	195			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-09RE2	B122439	Pb-W-ChelCol-ICPMS-Diss	196			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-09RE2	B122439	Ni-W-ChelCol-ICPMS-Diss	197			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-09RE2	B122439	Fe-W-ChelCol-ICPMS-Diss	198			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1245032-09RE2	B122439	Cu-W-ChelCol-ICPMS-Diss	199			HCI-SE1201	12/3/2012	Added 1/2/2013 by MSU
1200980-CCVB	1200980	QC	200	1227096	-			
1200980-CCBB	1200980	QC	201		-			

ICP-MS Analysis Benchsheet

Batch No: B122194, 2439, 2441

BR-0063

(BRL procedure for the analysis of samples by EPA Method 1640)

Analyst: CCE Date: 12/29/2012

Instrument ID: ICP-MS2 cHNO3 ID: 1245013 cHCI ID: NA

Calibration recorded in LIMS Int Std: N/A SEQ: 1200980

Upload LOD/LOQ as 1200981

A/S #	Batch	Sample ID	Dilution	Comments
1		warm up		
1		warm up		
1		warm up		
1		SEQ-ICB1		See attached for removed pts.
2		SEQ-CAL1		1227100 (No Cu)
3		SEQ-CAL2		1227099
4		SEQ-CAL3		1227098
5		SEQ-CAL4		1227097
6		SEQ-CAL5		1227096
7		SEQ-CAL6		1227095
8		SEQ-CAL7		1227094 (No Pb, V)
1		SEQ-ICB2		
434		rinse	1/3/13 KDM	
101		SEQ-ICV1		(For all analytes but Fe) 1245089
434		rinse	1/3/13 KDM	
102		SEQ-ICV2		(For Fe only) 1245090
434		rinse	1/3/13 KDM	
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		cas 5-1245086, 1238005 slew -3, 1245085
434		rinse		M&U 01.02.13
108		SEQ-SCV2		slew-3-1245085, 1238006 cas -5, 1245086
434		rinse		
5		SEQ-CCV1		1227097
1		SEQ-CCB1		
109	B122194	B122194-BLK1		Column LOD/LOQ
110	B122194	B122194-BLK2		
111	B122194	B122194-BLK3		
112	B122194	B122194-BLK4		
113	B122194	B122194-BS1		MDL1
114	B122194	B122194-BS9		LOQ1
115	B122194	B122194-BSA		LOQ2

116	B122194	B122194-BSB		LOQ3
117	B122194	B122194-BSC		LOQ4
5		SEQ-CCV2		1227097
1		SEQ-CCB2		
118	B122194	B122194-BSD		LOD1
119	B122194	B122194-BSE		LOD2
120	B122194	B122194-BSF		LOD3
434		rinse		
5		SEQ-CCV3		1227097
434		rinse		
1		SEQ-CCB3		
434		rinse		
121	B122439	B122439-BLK1		
434		rinse		
122	B122439	B122439-BLK2		
434		rinse		
123	B122439	B122439-BLK3		
434		rinse		
124	B122439	B122439-BLK4		
434		rinse		
125	B122439	B122439-BS1		
434		rinse		
126	B122439	1245032-10RE1		
434		rinse		
127	B122439	1245005-26RE1		Sample not rebatched, result not uploaded MSU 01.02.13
434		rinse		
128	B122439	1245032-01RE1	10,000x	
434		rinse		
129	B122439	B122439-DUP1	10,000x	1245032-01RE1
434		rinse		
130	B122439	B122439-MS1	10,000x	15µL of 1227092 to 5mL
434		rinse		
5		SEQ-CCV4		1227097
434		rinse		
1		SEQ-CCB4		
434		rinse		
131	B122439	B122439-MSD1	10,000x	15µL of 1227092 to 5mL
434		rinse		
132	B122439	1245032-02RE1	10,000x	
434		rinse		
133	B122439	1245032-03RE1	10,000x	
434		rinse		
134	B122439	1245032-04RE1	10,000x	
434		rinse		
135	B122439	1245032-05RE1	10,000x	
434		rinse		
136	B122439	1245032-06RE1	10,000x	
434		rinse		
137	B122439	1245032-07RE1	10,000x	
434		rinse		
138	B122439	1245032-08RE1	10,000x	
434		rinse		

139	B122439	1245032-09RE1	10,000x	
434		rinse		
5		SEQ-CCV5		1227097
434		rinse		
1		SEQ-CCB5		
434		rinse		
140	B122439	1245005-19RE1	10x	
434		rinse		
141	B122439	B122439-DUP2	10x	1245005-19RE1
434		rinse		
142	B122439	B122439-MS2	10x	15µL of 1227092 to 5mL
434		rinse		
143	B122439	B122439-MSD2	10x	15µL of 1227092 to 5mL
434		rinse		
144	B122439	1245005-20RE1	10x	
434		rinse		
145	B122439	1245005-21RE1	10x	
434		rinse		
146	B122439	1245005-22RE1	10x	
434		rinse		
147	B122439	1245005-23RE1	10x	
434		rinse		
148	B122439	1245005-24RE1	10x	
434		rinse		
149	B122439	1245005-25RE1	10x	
434		rinse		
5		SEQ-CCV6		1227097
434		rinse		
1		SEQ-CCB6		
434		rinse		
150	B122439	1245020-04RE1	10x	
434		rinse		
151	B122439	B122439-DUP3	10x	1245020-04RE1
434		rinse		
152	B122439	B122439-MS3	10x	15µL of 1227092 to 5mL
434		rinse		
153	B122439	B122439-MSD3	10x	15µL of 1227092 to 5mL
434		rinse		
154	B122439	1245020-08RE1	10x	
434		rinse		
155	B122439	1245020-12RE1	10x	
434		rinse		
156	B122439	1245020-16RE1	10x	
434		rinse		
6		SEQ-CCV7		1227096
434		rinse		
1		SEQ-CCB7		
434		rinse		
209	B122441	B122441-BLK1		
434		rinse		
210	B122441	B122441-BLK2		
434		rinse		

211	B122441	B122441-BLK3		
434		rinse		
212	B122441	B122441-BLK4		
434		rinse		
213	B122441	B122441-BS1		
434		rinse		
214	B122441	1247017-01RE1		
434		rinse		
215	B122441	B122441-DUP1		1247017-01RE1
434		rinse		
216	B122441	B122441-MS1		15µL of 1227092 to 5mL
434		rinse		
217	B122441	B122441-MSD1		15µL of 1227092 to 5mL
434		rinse		
218	B122441	1247017-02RE1		
434		rinse		
6		SEQ-CCV8		1227096
434		rinse		
1		SEQ-CCB8		
434		rinse		
219	B122441	1247017-03RE1		
434		rinse		
220	B122441	1247017-04RE1		
434		rinse		
221	B122441	1247017-05RE1		
434		rinse		
222	B122441	1247017-06RE1		
434		rinse		
223	B122441	1247017-07RE1		
434		rinse		
224	B122441	1247017-08RE1		
434		rinse		
225	B122441	1247017-09RE1		
434		rinse		
226	B122441	1247017-10RE1		
434		rinse		
6		SEQ-CCV9		1227096
434		rinse		
1		SEQ-CCB9		
434		rinse		
227	B122441	1247017-11RE1		
434		rinse		
228	B122441	B122441-DUP2		1247017-11RE1
434		rinse		
229	B122441	B122441-MS2		15µL of 1227092 to 5mL
434		rinse		
230	B122441	B122441-MSD2		15µL of 1227092 to 5mL
434		rinse		
231	B122441	1247017-12RE1		
434		rinse		
157	B122439	1245032-01RE2	10x	
434		rinse		

158	B122439	B122439-DUP4	10x	1245032-01RE2
434		rinse		
159	B122439	B122439-MS4	10x	15µL of 1227092 to 5mL
434		rinse		
6		SEQ-CCVA		1227096
434		rinse		
1		SEQ-CCBA		
434		rinse		
160	B122439	B122439-MSD4	10x	15µL of 1227092 to 5mL
434		rinse		
201	B122439	1245032-02RE2	10x	
434		rinse		
202	B122439	1245032-03RE2	10x	
434		rinse		
203	B122439	1245032-04RE2	10x	
434		rinse		
204	B122439	1245032-05RE2	10x	
434		rinse		
205	B122439	1245032-06RE2.	10x	
434		rinse		
206	B122439	1245032-07RE2	10x	
434		rinse		
207	B122439	1245032-08RE2	10x	
434		rinse		
208	B122439	1245032-09RE2	10x	
434		rinse		
6		SEQ-CCVB		1227096
434		rinse		
1		SEQ-CCBB		
434		rinse		
434		rinse		
434		rinse		
434		rinse		
434		rinse		

Trace Metals Method BR-0065 Rev 004 (ICP-MS)
 1% Nitric Acid Digestion

Batch #(s): B122117, 2116, 2439

Page 1 of 1

Workorder #(s): 1245032, 5005, 5020

Prepared By: CCE

Preparation Date and Time*: ~~11/20/12~~ 11/20/12 1155

Date and Time of Finished Preparation: 11/21/12 0955

* Time is when the first reagents are added.

Sample ID	Sample Vol.(mL)	Acid Added (mL)
BLK1	125	1.25
BLK2		
BLK3		
BLK4		
BS1		
1245032-01	125	0.0
-02		
-03		
-04		
-05		
-06		
-07		
-08		
-09		
-10		
1245005-09		
-10		
-11		
-12		
-13		
-14		

Sample ID	Sample Vol.(mL)	Acid Added (mL)
1245005-15	125	0.0
-16		
-17		
-18		
-19		
-20		
-21		
-22		
-23		
-24		
-25		
-26		
1245020-04	250	
-08		
-12		
-16		
11/20/12		

COPY

Balance ID: B1-01
 Oven ID: OV-05
 HNO₃ ID: 1241059
 Bottle lot #: 12-266

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	1240040
	0.02 ppm Ag	2.5	5	
	0.02 ppm Sb	2.5	5	
	1 ppm Y	1.25	2.5	
	1 ppm W	0.125	0.25	

Spike Witness Initials/Date: JM 11/20/12

Target Oven Temperature: 85°C
 Time/Temp* In: M: 79°C C: 78°C 1235 11/20/12
 Time/Temp* Out: 11 83°C C: 82°C 0855 11/21/12
 Thermometer ID: TM-01

* Both measured and corrected temperatures must be recorded.

Comments: 0: pre-preserved w/ 11-HNO₃

Sample Information

Report Title: QUANTITATIVE ANALYSIS REPORT

Batch ID:

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-SCV1.026

Tuning File: C:\Elandata\Tuning\Default.tun

Optimization File: C:\Elandata\Optimize\Default.dac

Blank File:

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Calibration Type: External Calibration

Calibration

Analyte	MassCurve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
V-Precon	51Weighted Linear	35.633	-734.017	0.995074	25.000000
Fe-Precon	54Weighted Linear	4.902	-159.021	0.999028	50.000000
Fe-Precon	56Weighted Linear	94.286	-2543.736	0.992636	50.000000
Fe-Precon	57Weighted Linear	2.315	-71.692	0.998107	50.000000
Co-Precon	59Weighted Linear	109.804	-104.164	0.999250	10.000000
Ni-Precon	60Weighted Linear	20.897	-48.963	0.999959	10.000000
Cu-Precon	63Weighted Linear	40.561	-2621.693	0.998517	
Cu-Precon	65Weighted Linear	18.619	-1206.802	0.998318	
Zn-Precon	66Weighted Linear	12.881	-200.690	0.999823	50.000000
Zn-Precon	68Weighted Linear	8.382	-152.484	0.999630	50.000000
Cd-Precon	111Weighted Linear	15.472	-12.591	0.999506	10.000000
Cd-Precon	114Weighted Linear	40.648	-43.264	0.999880	10.000000
Pb-Precon	208Weighted Linear	185.553	-314.687	0.999935	10.000000
Tb-Precon	159Linear Thru Zero				

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-ICB1

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 11:23:56

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51		2421			ng/L
Fe-Precon	54		399			ng/L
Fe-Precon	56		7325			ng/L
Fe-Precon	57		238			ng/L
Co-Precon	59		54			ng/L
Ni-Precon	60		44			ng/L
Cu-Precon	63		3458			ng/L
Cu-Precon	65		1593			ng/L
Zn-Precon	66		282			ng/L
Zn-Precon	68		286			ng/L
Cd-Precon	111		5			ng/L
Cd-Precon	114		15			ng/L
Pb-Precon	208		284			ng/L
Tb-Precon	159		37			mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL1

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 11:37:05

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 2

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CAL1.006

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	2633	212.007204	26.5493	ng/L
Fe-Precon	54	399	486	87.421719	50.2781	ng/L
Fe-Precon	56	7325	9772	2447.272464	52.9350	ng/L
Fe-Precon	57	238	287	48.822659	52.0563	ng/L
Co-Precon	59	54	1074	1019.474301	10.2332	ng/L
Ni-Precon	60	44	202	158.527965	9.9294	ng/L
Cu-Precon	63	3458	11410	7952.130732	260.6920	ng/L
Cu-Precon	65	1593	5237	3643.445526	260.5035	ng/L
Zn-Precon	66	282	735	453.884147	50.8173	ng/L
Zn-Precon	68	286	563	277.061584	51.2443	ng/L
Cd-Precon	111	5	151	146.351513	10.2729	ng/L
Cd-Precon	114	15	383	367.097837	10.0954	ng/L
Pb-Precon	208	284	1825	1541.305893	10.0025	ng/L
Tb-Precon	159	37	27	-10.174939		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL2

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 11:50:14

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 3

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CAL2.007

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	3321	899.869250	45.8535	ng/L
Fe-Precon	54	399	737	337.923216	101.3843	ng/L
Fe-Precon	56	7325	13569	6243.473607	93.1978	ng/L
Fe-Precon	57	238	386	148.263738	95.0099	ng/L
Co-Precon	59	54	2062	2007.899471	19.2349	ng/L
Ni-Precon	60	44	420	375.740912	20.3241	ng/L
Cu-Precon	63	3458	1648	-1809.551614	20.0229	ng/L
Cu-Precon	65	1593	763	-829.967101	20.2395	ng/L
Zn-Precon	66	282	1324	1042.523744	96.5158	ng/L
Zn-Precon	68	286	933	646.177602	95.2794	ng/L
Cd-Precon	111	5	286	281.157990	18.9858	ng/L
Cd-Precon	114	15	776	760.201292	19.7663	ng/L
Pb-Precon	208	284	3653	3369.611298	19.8557	ng/L
Tb-Precon	159	37	17	-19.532550		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL3

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 12:03:22

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 4

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CAL3.008

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	5725	3303.782161	113.3171	ng/L
Fe-Precon	54	399	1417	1017.929864	240.1161	ng/L
Fe-Precon	56	7325	26304	18978.513071	228.2666	ng/L
Fe-Precon	57	238	708	469.820322	233.9062	ng/L
Co-Precon	59	54	5377	5323.304234	49.4288	ng/L
Ni-Precon	60	44	1036	991.843929	49.8076	ng/L
Cu-Precon	63	3458	2944	-513.741433	51.9704	ng/L
Cu-Precon	65	1593	1333	-260.299788	50.8360	ng/L
Zn-Precon	66	282	3310	3028.670613	250.7085	ng/L
Zn-Precon	68	286	2211	1924.459923	247.7770	ng/L
Cd-Precon	111	5	750	744.807170	48.9529	ng/L
Cd-Precon	114	15	1960	1944.061619	48.8908	ng/L
Pb-Precon	208	284	9399	9115.483953	50.8219	ng/L
Tb-Precon	159	37	19	-18.008734		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL4

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 12:16:31

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CAL4.009

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	10253	7831.653810	240.3876	ng/L
Fe-Precon	54	399	2579	2179.935133	477.1831	ng/L
Fe-Precon	56	7325	48646	41320.853873	465.2311	ng/L
Fe-Precon	57	238	1280	1041.454833	480.8238	ng/L
Co-Precon	59	54	10748	10694.088603	98.3414	ng/L
Ni-Precon	60	44	2080	2036.020167	99.7765	ng/L
Cu-Precon	63	3458	4549	1091.566048	91.5484	ng/L
Cu-Precon	65	1593	2070	476.844556	90.4275	ng/L
Zn-Precon	66	282	6549	6267.437936	502.1472	ng/L
Zn-Precon	68	286	4330	4043.745862	500.6055	ng/L
Cd-Precon	111	5	1569	1564.291471	101.9186	ng/L
Cd-Precon	114	15	4053	4037.623048	100.3951	ng/L
Pb-Precon	208	284	18559	18275.350857	100.1870	ng/L
Tb-Precon	159	37	17	-19.383630		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL5

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 12:29:40

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CAL5.010

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	48464	46042.621323	1312.7427	ng/L
Fe-Precon	54	399	12316	11917.539193	2463.8046	ng/L
Fe-Precon	56	7325	232823	225497.520356	2418.6226	ng/L
Fe-Precon	57	238	5982	5743.611560	2511.9204	ng/L
Co-Precon	59	54	53896	53842.082048	491.2973	ng/L
Ni-Precon	60	44	10437	10393.047854	499.7006	ng/L
Cu-Precon	63	3458	20741	17283.658485	490.7558	ng/L
Cu-Precon	65	1593	9647	8053.348524	497.3564	ng/L
Zn-Precon	66	282	32329	32047.553970	2503.5627	ng/L
Zn-Precon	68	286	21403	21116.514962	2537.3678	ng/L
Cd-Precon	111	5	7815	7809.870564	505.5892	ng/L
Cd-Precon	114	15	20508	20492.328234	505.2022	ng/L
Pb-Precon	208	284	92721	92437.632110	499.8688	ng/L
Tb-Precon	159	37	19	-17.475399		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL6

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 12:42:48

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 7

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CAL6.011

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	99916	97494.516404	2756.6922	ng/L
Fe-Precon	54	399	25104	24705.752472	5072.7975	ng/L
Fe-Precon	56	7325	470659	463334.241254	4941.1366	ng/L
Fe-Precon	57	238	12069	11830.723882	5141.2485	ng/L
Co-Precon	59	54	109512	109458.028536	997.8008	ng/L
Ni-Precon	60	44	20791	20747.393248	995.2060	ng/L
Cu-Precon	63	3458	42623	39165.069587	1030.2304	ng/L
Cu-Precon	65	1593	19475	17881.435373	1025.2162	ng/L
Zn-Precon	66	282	64734	64452.605944	5019.2990	ng/L
Zn-Precon	68	286	42286	41999.383478	5028.6706	ng/L
Cd-Precon	111	5	15623	15617.972063	1010.2502	ng/L
Cd-Precon	114	15	41197	41181.254943	1014.1766	ng/L
Pb-Precon	208	284	183466	183182.550834	988.9192	ng/L
Tb-Precon	159	37	16	-20.959392		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL7

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 12:55:57

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 8

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CAL7.012

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	509468	507047.350567	14250.4103	ng/L
Fe-Precon	54	399	130828	130429.574535	26642.0890	ng/L
Fe-Precon	56	7325	2857197	2849871.496598	30252.9287	ng/L
Fe-Precon	57	238	62586	62347.850672	26962.1213	ng/L
Co-Precon	59	54	583311	583256.713634	5312.7629	ng/L
Ni-Precon	60	44	104720	104676.437037	5011.6159	ng/L
Cu-Precon	63	3458	210173	206715.510691	5161.0972	ng/L
Cu-Precon	65	1593	97865	96271.701528	5235.5041	ng/L
Zn-Precon	66	282	324063	323781.881998	25152.0883	ng/L
Zn-Precon	68	286	211645	211358.355783	25233.0067	ng/L
Cd-Precon	111	5	77642	77636.987398	5018.7254	ng/L
Cd-Precon	114	15	202359	202343.381231	4978.9738	ng/L
Pb-Precon	208	284	1198860	1198576.663711	6461.1688	ng/L
Tb-Precon	159	37	18	-18.909165		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-ICB2

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 13:09:07

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB2.013

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	10965	8544.384917	260.3897	ng/L
Fe-Precon	54	399	3641	3242.589133	693.9809	ng/L
Fe-Precon	56	7325	68874	61549.197452	679.7744	ng/L
Fe-Precon	57	238	1776	1538.000688	695.3067	ng/L
Co-Precon	59	54	1021	967.166249	9.7568	ng/L
Ni-Precon	60	44	579	535.534244	27.9710	ng/L
Cu-Precon	63	3458	8881	5423.111955	198.3404	ng/L
Cu-Precon	65	1593	4018	2425.317453	195.0786	ng/L
Zn-Precon	66	282	927	645.891766	65.7236	ng/L
Zn-Precon	68	286	591	304.682204	54.5394	ng/L
Cd-Precon	111	5	99	94.317775	6.9098	ng/L
Cd-Precon	114	15	223	207.821137	6.1770	ng/L
Pb-Precon	208	284	1815	1531.217548	9.9481	ng/L
Tb-Precon	159	37	14	-22.635586		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-ICV1

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 13:22:17

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 101

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICV1.014

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	25495	23074.315618	668.1587	ng/L
Fe-Precon	54	399	133723	133324.216088	27232.6405	ng/L
Fe-Precon	56	7325	3000842	2993516.969352	31776.4433	ng/L
Fe-Precon	57	238	65715	65477.014470	28313.7636	ng/L
Co-Precon	59	54	29470	29415.911642	268.8442	ng/L
Ni-Precon	60	44	11050	11005.658770	529.0170	ng/L
Cu-Precon	63	3458	25864	22405.801777	617.0395	ng/L
Cu-Precon	65	1593	11810	10217.271890	613.5792	ng/L
Zn-Precon	66	282	7184	6902.145845	551.4221	ng/L
Zn-Precon	68	286	4598	4311.285870	532.5227	ng/L
Cd-Precon	111	5	829	823.954105	54.0684	ng/L
Cd-Precon	114	15	2280	2264.167505	56.7658	ng/L
Pb-Precon	208	284	48305	48021.286688	260.4964	ng/L
Tb-Precon	159	37	35	-1.683128		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-ICV2

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 13:35:25

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 102

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICV2.015

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	4643	2222.185881	82.9631	ng/L
Fe-Precon	54	399	17147	16748.473269	3449.3898	ng/L
Fe-Precon	56	7325	323783	316458.376356	3383.3602	ng/L
Fe-Precon	57	238	8391	8152.679310	3552.5172	ng/L
Co-Precon	59	54	3070	3015.980480	28.4157	ng/L
Ni-Precon	60	44	1241	1197.285665	59.6390	ng/L
Cu-Precon	63	3458	4572	1114.215979	92.1068	ng/L
Cu-Precon	65	1593	2059	466.289275	89.8606	ng/L
Zn-Precon	66	282	872	590.181966	61.3986	ng/L
Zn-Precon	68	286	562	275.675037	51.0789	ng/L
Cd-Precon	111	5	81	75.669848	5.7045	ng/L
Cd-Precon	114	15	253	237.470393	6.9064	ng/L
Pb-Precon	208	284	5077	4793.107775	27.5274	ng/L
Tb-Precon	159	37	18	-19.013066		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-ICB3

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 13:48:35

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB3.016

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1698	-723.176318	0.3042	ng/L
Fe-Precon	54	399	1873	1473.884782	333.1380	ng/L
Fe-Precon	56	7325	34976	27651.163645	320.2494	ng/L
Fe-Precon	57	238	932	694.351677	330.8926	ng/L
Co-Precon	59	54	67	12.689541	1.0642	ng/L
Ni-Precon	60	44	80	35.567433	4.0452	ng/L
Cu-Precon	63	3458	4719	1261.155165	95.7296	ng/L
Cu-Precon	65	1593	2163	569.707758	95.4151	ng/L
Zn-Precon	66	282	274	-7.051833	15.0329	ng/L
Zn-Precon	68	286	190	-96.417384	6.6886	ng/L
Cd-Precon	111	5	2	-3.467760	0.5896	ng/L
Cd-Precon	114	15	21	5.744589	1.2057	ng/L
Pb-Precon	208	284	350	66.835324	2.0561	ng/L
Tb-Precon	159	37	18	-18.368909		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 30, 2012 14:01:47

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.017

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1485	-935.887579	-5.6653	ng/L
Fe-Precon	54	399	5269	4869.904003	1025.9783	ng/L
Fe-Precon	56	7325	101245	93919.940656	1023.1009	ng/L
Fe-Precon	57	238	2591	2353.393390	1047.5156	ng/L
Co-Precon	59	54	142	87.936622	1.7495	ng/L
Ni-Precon	60	44	146	102.041525	7.2263	ng/L
Cu-Precon	63	3458	6670	3212.477007	143.8384	ng/L
Cu-Precon	65	1593	3037	1443.430395	142.3422	ng/L
Zn-Precon	66	282	340	58.650563	20.1337	ng/L
Zn-Precon	68	286	250	-36.615267	13.8230	ng/L
Cd-Precon	111	5	4	-1.189105	0.7369	ng/L
Cd-Precon	114	15	17	1.147838	1.0926	ng/L
Pb-Precon	208	284	290	6.036760	1.7285	ng/L
Tb-Precon	159	37	29	-7.632930		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-IBL1

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 14:14:59

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 103

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-IBL1.018

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1132	-1289.373808	-15.5856	ng/L
Fe-Precon	54	399	388	-10.832524	30.2327	ng/L
Fe-Precon	56	7325	7577	252.102515	29.6529	ng/L
Fe-Precon	57	238	240	2.078276	31.8651	ng/L
Co-Precon	59	54	37	-17.464977	0.7896	ng/L
Ni-Precon	60	44	25	-18.604422	1.4528	ng/L
Cu-Precon	63	3458	271	-3186.688613	-13.9297	ng/L
Cu-Precon	65	1593	130	-1463.043868	-13.7626	ng/L
Zn-Precon	66	282	52	-229.700238	-2.2522	ng/L
Zn-Precon	68	286	43	-243.322061	-10.8369	ng/L
Cd-Precon	111	5	1	-4.164537	0.5446	ng/L
Cd-Precon	114	15	6	-9.428835	0.8324	ng/L
Pb-Precon	208	284	29	-254.631678	0.3237	ng/L
Tb-Precon	159	37	12	-24.761994		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 14:28:10

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.019

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1039	-1381.524017	-18.1717	ng/L
Fe-Precon	54	399	1468	1069.738136	250.6858	ng/L
Fe-Precon	56	7325	27818	20492.666734	244.3258	ng/L
Fe-Precon	57	238	724	485.568366	240.7086	ng/L
Co-Precon	59	54	81	27.121172	1.1956	ng/L
Ni-Precon	60	44	70	25.749183	3.5753	ng/L
Cu-Precon	63	3458	1607	-1850.425513	19.0152	ng/L
Cu-Precon	65	1593	727	-865.879891	18.3107	ng/L
Zn-Precon	66	282	339	57.146392	20.0169	ng/L
Zn-Precon	68	286	238	-48.447365	12.4114	ng/L
Cd-Precon	111	5	5	-0.611576	0.7742	ng/L
Cd-Precon	114	15	14	-1.510754	1.0272	ng/L
Pb-Precon	208	284	351	67.574239	2.0601	ng/L
Tb-Precon	159	37	31	-5.970589		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-IBL2

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 14:41:21

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 104

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-IBL2.020

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	889	-1531.900446	-22.3918	ng/L
Fe-Precon	54	399	261	-138.025202	4.2834	ng/L
Fe-Precon	56	7325	5156	-2169.201480	3.9723	ng/L
Fe-Precon	57	238	168	-69.833837	0.8026	ng/L
Co-Precon	59	54	42	-12.218193	0.8374	ng/L
Ni-Precon	60	44	18	-26.379342	1.0807	ng/L
Cu-Precon	63	3458	168	-3289.501679	-16.4645	ng/L
Cu-Precon	65	1593	70	-1523.014935	-16.9836	ng/L
Zn-Precon	66	282	63	-218.631648	-1.3929	ng/L
Zn-Precon	68	286	55	-231.020625	-9.3694	ng/L
Cd-Precon	111	5	1	-4.251121	0.5390	ng/L
Cd-Precon	114	15	4	-11.666519	0.7773	ng/L
Pb-Precon	208	284	68	-215.916047	0.5323	ng/L
Tb-Precon	159	37	13	-23.702251		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 14:54:31

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.021

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	769	-1652.278233	-25.7701	ng/L
Fe-Precon	54	399	735	336.101865	101.0127	ng/L
Fe-Precon	56	7325	13532	6207.330161	92.8145	ng/L
Fe-Precon	57	238	403	164.642776	102.0848	ng/L
Co-Precon	59	54	49	-5.295198	0.9004	ng/L
Ni-Precon	60	44	48	3.892681	2.5294	ng/L
Cu-Precon	63	3458	430	-3027.925915	-10.0155	ng/L
Cu-Precon	65	1593	211	-1382.380996	-9.4303	ng/L
Zn-Precon	66	282	290	8.024661	16.2034	ng/L
Zn-Precon	68	286	222	-64.332116	10.5164	ng/L
Cd-Precon	111	5	3	-1.874223	0.6926	ng/L
Cd-Precon	114	15	9	-6.628720	0.9013	ng/L
Pb-Precon	208	284	355	71.374123	2.0806	ng/L
Tb-Precon	159	37	20	-17.101367		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-IBL3

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 15:07:43

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 105

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-IBL3.022

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	685	-1735.984971	-28.1193	ng/L
Fe-Precon	54	399	203	-195.547537	-7.4520	ng/L
Fe-Precon	56	7325	3831	-3494.454244	-10.0834	ng/L
Fe-Precon	57	238	143	-95.243965	-10.1733	ng/L
Co-Precon	59	54	33	-21.063276	0.7568	ng/L
Ni-Precon	60	44	18	-25.956824	1.1010	ng/L
Cu-Precon	63	3458	136	-3321.946557	-17.2644	ng/L
Cu-Precon	65	1593	56	-1537.363252	-17.7542	ng/L
Zn-Precon	66	282	100	-181.488003	1.4908	ng/L
Zn-Precon	68	286	78	-208.083483	-6.6330	ng/L
Cd-Precon	111	5	1	-3.654716	0.5775	ng/L
Cd-Precon	114	15	3	-12.663987	0.7528	ng/L
Pb-Precon	208	284	61	-222.620905	0.4962	ng/L
Tb-Precon	159	37	14	-22.320426		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 15:20:54

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.023

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	650	-1771.068500	-29.1039	ng/L
Fe-Precon	54	399	615	216.334468	76.5783	ng/L
Fe-Precon	56	7325	11596	4271.315363	72.2809	ng/L
Fe-Precon	57	238	336	97.573909	73.1144	ng/L
Co-Precon	59	54	35	-19.383611	0.7721	ng/L
Ni-Precon	60	44	51	6.805256	2.6688	ng/L
Cu-Precon	63	3458	381	-3076.661827	-11.2170	ng/L
Cu-Precon	65	1593	175	-1417.687767	-11.3266	ng/L
Zn-Precon	66	282	328	46.109816	19.1601	ng/L
Zn-Precon	68	286	216	-70.532120	9.7767	ng/L
Cd-Precon	111	5	3	-2.283983	0.6661	ng/L
Cd-Precon	114	15	11	-4.853519	0.9449	ng/L
Pb-Precon	208	284	370	86.083726	2.1599	ng/L
Tb-Precon	159	37	21	-15.484047		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-IBL4

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 15:34:05

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 106

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-IBL4.024

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	606	-1815.491844	-30.3506	ng/L
Fe-Precon	54	399	277	-121.546426	7.6454	ng/L
Fe-Precon	56	7325	5266	-2058.758631	5.1437	ng/L
Fe-Precon	57	238	173	-65.186027	2.8103	ng/L
Co-Precon	59	54	37	-16.741188	0.7962	ng/L
Ni-Precon	60	44	33	-10.670181	1.8325	ng/L
Cu-Precon	63	3458	364	-3094.072531	-11.6463	ng/L
Cu-Precon	65	1593	164	-1429.186268	-11.9441	ng/L
Zn-Precon	66	282	497	215.812499	32.3348	ng/L
Zn-Precon	68	286	340	53.296864	24.5494	ng/L
Cd-Precon	111	5	1	-3.815656	0.5671	ng/L
Cd-Precon	114	15	5	-10.848282	0.7975	ng/L
Pb-Precon	208	284	76	-207.815425	0.5760	ng/L
Tb-Precon	159	37	12	-24.568057		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 15:47:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.025

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	544	-1876.831347	-32.0720	ng/L
Fe-Precon	54	399	564	164.957956	66.0967	ng/L
Fe-Precon	56	7325	10584	3259.438780	61.5489	ng/L
Fe-Precon	57	238	304	66.323680	59.6159	ng/L
Co-Precon	59	54	36	-17.697017	0.7875	ng/L
Ni-Precon	60	44	55	11.324783	2.8851	ng/L
Cu-Precon	63	3458	359	-3098.610757	-11.7581	ng/L
Cu-Precon	65	1593	168	-1425.262358	-11.7334	ng/L
Zn-Precon	66	282	309	27.635079	17.7258	ng/L
Zn-Precon	68	286	224	-62.877980	10.6899	ng/L
Cd-Precon	111	5	4	-1.548407	0.7137	ng/L
Cd-Precon	114	15	9	-6.626141	0.9013	ng/L
Pb-Precon	208	284	363	79.506652	2.1244	ng/L
Tb-Precon	159	37	19	-17.686654		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-SCV1

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 16:00:27

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 107

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-SCV1.026

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	139478	137057.290831	3866.9845	ng/L
Fe-Precon	54	399	3868	3469.353707	740.2444	ng/L
Fe-Precon	56	7325	178432	171106.811389	1841.7507	ng/L
Fe-Precon	57	238	56053	55814.875854	24140.2028	ng/L
Co-Precon	59	54	6833	6778.933130	62.6855	ng/L
Ni-Precon	60	44	37957	37912.748456	1816.6511	ng/L
Cu-Precon	63	3458	72931	69472.908553	1777.4540	ng/L
Cu-Precon	65	1593	34363	32769.514299	1824.8448	ng/L
Zn-Precon	66	282	3259	2977.682682	246.7501	ng/L
Zn-Precon	68	286	1720	1433.764933	189.2377	ng/L
Cd-Precon	111	5	734	728.703694	47.9121	ng/L
Cd-Precon	114	15	1986	1970.872330	49.5504	ng/L
Pb-Precon	208	284	1425	1141.551954	7.8481	ng/L
Tb-Precon	159	37	744	707.078730		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 16:13:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.027

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	2882	460.625643	33.5265	ng/L
Fe-Precon	54	399	644	245.265700	82.4807	ng/L
Fe-Precon	56	7325	12352	5026.508016	80.2906	ng/L
Fe-Precon	57	238	363	125.405636	85.1363	ng/L
Co-Precon	59	54	63	8.429701	1.0254	ng/L
Ni-Precon	60	44	267	223.035934	13.0165	ng/L
Cu-Precon	63	3458	8016	4558.433061	177.0222	ng/L
Cu-Precon	65	1593	3655	2062.023761	175.5664	ng/L
Zn-Precon	66	282	344	62.747212	20.4517	ng/L
Zn-Precon	68	286	235	-51.099099	12.0951	ng/L
Cd-Precon	111	5	-2	-7.541712	0.3263	ng/L
Cd-Precon	114	15	-2	-16.964155	0.6470	ng/L
Pb-Precon	208	284	357	73.295253	2.0909	ng/L
Tb-Precon	159	37	71	34.594289		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-SCV2

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 16:26:49

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 108

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-SCV2.028

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	61157	58735.679899	1668.9616	ng/L
Fe-Precon	54	399	7508	7109.695829	1482.9304	ng/L
Fe-Precon	56	7325	331858	324533.245956	3469.0029	ng/L
Fe-Precon	57	238	104237	103998.481838	44953.1113	ng/L
Co-Precon	59	54	12959	12904.488101	118.4719	ng/L
Ni-Precon	60	44	19855	19811.144076	950.4020	ng/L
Cu-Precon	63	3458	16994	13535.794211	398.3542	ng/L
Cu-Precon	65	1593	8465	6872.301323	433.9231	ng/L
Zn-Precon	66	282	10736	10454.789486	827.2283	ng/L
Zn-Precon	68	286	6907	6620.827356	808.0484	ng/L
Cd-Precon	111	5	223	217.967472	14.9017	ng/L
Cd-Precon	114	15	659	643.168771	16.8871	ng/L
Pb-Precon	208	284	1758	1474.914973	9.6447	ng/L
Tb-Precon	159	37	1131	1094.066806		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Sunday, December 30, 2012 16:40:00

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.029

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1569	-851.913367	-3.3086	ng/L
Fe-Precon	54	399	1187	788.229768	193.2537	ng/L
Fe-Precon	56	7325	22362	15036.508999	186.4574	ng/L
Fe-Precon	57	238	628	389.627982	199.2672	ng/L
Co-Precon	59	54	81	27.335742	1.1976	ng/L
Ni-Precon	60	44	116	72.496262	5.8124	ng/L
Cu-Precon	63	3458	2861	-597.065359	49.9161	ng/L
Cu-Precon	65	1593	1288	-305.220208	48.4233	ng/L
Zn-Precon	66	282	381	99.071792	23.2718	ng/L
Zn-Precon	68	286	269	-16.931864	16.1712	ng/L
Cd-Precon	111	5	-16	-20.696362	-0.5239	ng/L
Cd-Precon	114	15	-6	-21.022438	0.5472	ng/L
Pb-Precon	208	284	369	85.976832	2.1593	ng/L
Tb-Precon	159	37	145	108.736027		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV1

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 16:53:12

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCV1.030

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	11307	8886.062746	269.9786	ng/L
Fe-Precon	54	399	2615	2216.725046	484.6888	ng/L
Fe-Precon	56	7325	49624	42298.456195	475.5996	ng/L
Fe-Precon	57	238	1304	1065.965656	491.4112	ng/L
Co-Precon	59	54	11988	11933.651516	109.6304	ng/L
Ni-Precon	60	44	2241	2197.330449	107.4960	ng/L
Cu-Precon	63	3458	4839	1381.360937	98.6932	ng/L
Cu-Precon	65	1593	2265	671.751676	100.8958	ng/L
Zn-Precon	66	282	7357	7075.705427	564.8963	ng/L
Zn-Precon	68	286	4882	4595.959669	566.4840	ng/L
Cd-Precon	111	5	1671	1666.194158	108.5049	ng/L
Cd-Precon	114	15	4218	4202.793312	104.4585	ng/L
Pb-Precon	208	284	19142	18858.678537	103.3308	ng/L
Tb-Precon	159	37	48	11.733463		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB1

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 17:06:22

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCB1.031

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	654	-1767.495330	-29.0036	ng/L
Fe-Precon	54	399	262	-136.431808	4.6085	ng/L
Fe-Precon	56	7325	5203	-2121.810383	4.4750	ng/L
Fe-Precon	57	238	183	-54.754564	7.3161	ng/L
Co-Precon	59	54	71	16.433439	1.0983	ng/L
Ni-Precon	60	44	51	7.349016	2.6948	ng/L
Cu-Precon	63	3458	2803	-654.830840	48.4919	ng/L
Cu-Precon	65	1593	1284	-308.690310	48.2369	ng/L
Zn-Precon	66	282	239	-42.587905	12.2741	ng/L
Zn-Precon	68	286	179	-107.421293	5.3759	ng/L
Cd-Precon	111	5	2	-3.272309	0.6023	ng/L
Cd-Precon	114	15	7	-8.946036	0.8443	ng/L
Pb-Precon	208	284	351	67.246550	2.0584	ng/L
Tb-Precon	159	37	25	-11.826891		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122194-BLK1

Sample Description:

Batch ID: B122194

Sample Date/Time: Sunday, December 30, 2012 17:19:33

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 109

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122194-BLK1.032

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	474	-1946.523248	-34.0278	ng/L
Fe-Precon	54	399	463	64.224533	45.5455	ng/L
Fe-Precon	56	7325	8783	1458.271002	42.4456	ng/L
Fe-Precon	57	238	267	28.600892	43.3215	ng/L
Co-Precon	59	54	42	-12.256282	0.8370	ng/L
Ni-Precon	60	44	250	206.273638	12.2143	ng/L
Cu-Precon	63	3458	419	-3038.299096	-10.2712	ng/L
Cu-Precon	65	1593	208	-1385.107720	-9.5767	ng/L
Zn-Precon	66	282	161	-120.411971	6.2323	ng/L
Zn-Precon	68	286	121	-165.003347	-1.4936	ng/L
Cd-Precon	111	5	0	-5.064793	0.4864	ng/L
Cd-Precon	114	15	4	-11.132056	0.7905	ng/L
Pb-Precon	208	284	94	-189.979453	0.6721	ng/L
Tb-Precon	159	37	18	-18.469332		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122194-BLK2

Sample Description:

Batch ID: B122194

Sample Date/Time: Sunday, December 30, 2012 17:32:41

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 110

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122194-BLK2.033

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	416	-2004.577711	-35.6571	ng/L
Fe-Precon	54	399	392	-6.588417	31.0986	ng/L
Fe-Precon	56	7325	7461	135.920670	28.4206	ng/L
Fe-Precon	57	238	236	-2.070415	30.0730	ng/L
Co-Precon	59	54	43	-11.262375	0.8461	ng/L
Ni-Precon	60	44	58	14.403617	3.0324	ng/L
Cu-Precon	63	3458	429	-3028.399370	-10.0271	ng/L
Cu-Precon	65	1593	182	-1410.764541	-10.9547	ng/L
Zn-Precon	66	282	330	48.479869	19.3441	ng/L
Zn-Precon	68	286	225	-61.880482	10.8089	ng/L
Cd-Precon	111	5	0	-5.029534	0.4887	ng/L
Cd-Precon	114	15	8	-7.897570	0.8701	ng/L
Pb-Precon	208	284	143	-140.429588	0.9391	ng/L
Tb-Precon	159	37	15	-21.340345		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122194-BLK3

Sample Description:

Batch ID: B122194

Sample Date/Time: Sunday, December 30, 2012 17:45:50

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 111

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122194-BLK3.034

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	375	-2046.211470	-36.8255	ng/L
Fe-Precon	54	399	629	229.858002	79.3373	ng/L
Fe-Precon	56	7325	12220	4894.723108	78.8928	ng/L
Fe-Precon	57	238	357	118.815210	82.2896	ng/L
Co-Precon	59	54	35	-18.649419	0.7788	ng/L
Ni-Precon	60	44	39	-4.464087	2.1295	ng/L
Cu-Precon	63	3458	362	-3095.368642	-11.6782	ng/L
Cu-Precon	65	1593	178	-1415.613224	-11.2151	ng/L
Zn-Precon	66	282	105	-176.462634	1.8809	ng/L
Zn-Precon	68	286	91	-195.012977	-5.0737	ng/L
Cd-Precon	111	5	2	-3.083949	0.6144	ng/L
Cd-Precon	114	15	4	-11.943553	0.7705	ng/L
Pb-Precon	208	284	111	-172.603938	0.7657	ng/L
Tb-Precon	159	37	13	-23.563724		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122194-BLK4

Sample Description:

Batch ID: B122194

Sample Date/Time: Sunday, December 30, 2012 17:58:59

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 112

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122194-BLK4.035

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	435	-1986.425725	-35.1477	ng/L
Fe-Precon	54	399	376	-22.413128	27.8701	ng/L
Fe-Precon	56	7325	7384	58.652605	27.6011	ng/L
Fe-Precon	57	238	233	-4.598965	28.9808	ng/L
Co-Precon	59	54	34	-20.232101	0.7644	ng/L
Ni-Precon	60	44	21	-23.272841	1.2294	ng/L
Cu-Precon	63	3458	370	-3087.999393	-11.4965	ng/L
Cu-Precon	65	1593	175	-1417.937418	-11.3400	ng/L
Zn-Precon	66	282	132	-149.846595	3.9472	ng/L
Zn-Precon	68	286	92	-194.586890	-5.0229	ng/L
Cd-Precon	111	5	1	-4.039356	0.5527	ng/L
Cd-Precon	114	15	4	-11.681703	0.7770	ng/L
Pb-Precon	208	284	89	-194.987424	0.6451	ng/L
Tb-Precon	159	37	14	-23.075413		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122194-BS1

Sample Description:

Batch ID: B122194

Sample Date/Time: Sunday, December 30, 2012 18:12:08

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 113

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122194-BS1.036

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	6914	4492.776662	146.6851	ng/L
Fe-Precon	54	399	26315	25916.275340	5319.7629	ng/L
Fe-Precon	56	7325	500279	492954.040815	5255.2864	ng/L
Fe-Precon	57	238	13119	12881.340240	5595.0622	ng/L
Co-Precon	59	54	12309	12254.420414	112.5516	ng/L
Ni-Precon	60	44	4755	4711.209583	227.7972	ng/L
Cu-Precon	63	3458	6112	2654.392609	130.0791	ng/L
Cu-Precon	65	1593	2837	1244.297610	131.6469	ng/L
Zn-Precon	66	282	4741	4459.057314	361.7552	ng/L
Zn-Precon	68	286	3113	2826.736087	355.4176	ng/L
Cd-Precon	111	5	187	182.095632	12.5832	ng/L
Cd-Precon	114	15	550	534.058896	14.2029	ng/L
Pb-Precon	208	284	6015	5731.655277	32.5855	ng/L
Tb-Precon	159	37	25	-11.556762		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122194-BS9

Sample Description:

Batch ID: B122194

Sample Date/Time: Sunday, December 30, 2012 18:25:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 114

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122194-BS9.037

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	11836	9415.030618	284.8236	ng/L
Fe-Precon	54	399	46999	46599.834012	9539.5281	ng/L
Fe-Precon	56	7325	920683	913357.574803	9714.1176	ng/L
Fe-Precon	57	238	23061	22822.898625	9889.3184	ng/L
Co-Precon	59	54	21288	21233.514808	194.3257	ng/L
Ni-Precon	60	44	7831	7786.600230	374.9695	ng/L
Cu-Precon	63	3458	9155	5697.418913	205.1033	ng/L
Cu-Precon	65	1593	4221	2627.601068	205.9432	ng/L
Zn-Precon	66	282	5833	5551.703879	446.5818	ng/L
Zn-Precon	68	286	3798	3512.074518	437.1777	ng/L
Cd-Precon	111	5	311	306.362766	20.6149	ng/L
Cd-Precon	114	15	877	861.289810	22.2532	ng/L
Pb-Precon	208	284	8949	8665.492719	48.3968	ng/L
Tb-Precon	159	37	25	-11.743772		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122194-BSA

Sample Description:

Batch ID: B122194

Sample Date/Time: Sunday, December 30, 2012 18:38:25

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 115

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122194-BSA.038

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	13945	11523.596275	343.9985	ng/L
Fe-Precon	54	399	56093	55694.366605	11394.9531	ng/L
Fe-Precon	56	7325	1147293	1139967.483904	12117.5592	ng/L
Fe-Precon	57	238	27962	27724.122224	12006.4019	ng/L
Co-Precon	59	54	24734	24680.206035	225.7153	ng/L
Ni-Precon	60	44	9196	9151.986228	440.3098	ng/L
Cu-Precon	63	3458	10947	7489.082594	249.2758	ng/L
Cu-Precon	65	1593	4882	3289.114275	241.4726	ng/L
Zn-Precon	66	282	6654	6372.913947	510.3357	ng/L
Zn-Precon	68	286	4328	4041.229833	500.3053	ng/L
Cd-Precon	111	5	357	352.157640	23.5748	ng/L
Cd-Precon	114	15	1025	1009.077820	25.8890	ng/L
Pb-Precon	208	284	10453	10169.734412	56.5036	ng/L
Tb-Precon	159	37	26	-10.981866		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122194-BSB

Sample Description:

Batch ID: B122194

Sample Date/Time: Sunday, December 30, 2012 18:51:34

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 116

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122194-BSB.039

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	13844	11423.187872	341.1806	ng/L
Fe-Precon	54	399	56540	56141.713775	11486.2188	ng/L
Fe-Precon	56	7325	1137687	1130361.760337	12015.6802	ng/L
Fe-Precon	57	238	28167	27929.354302	12095.0519	ng/L
Co-Precon	59	54	24966	24912.293402	227.8290	ng/L
Ni-Precon	60	44	9219	9175.078246	441.4149	ng/L
Cu-Precon	63	3458	10993	7534.876793	250.4048	ng/L
Cu-Precon	65	1593	5109	3515.947711	253.6556	ng/L
Zn-Precon	66	282	7518	7236.583148	577.3859	ng/L
Zn-Precon	68	286	4829	4543.022335	560.1686	ng/L
Cd-Precon	111	5	353	347.530289	23.2757	ng/L
Cd-Precon	114	15	1030	1014.827288	26.0304	ng/L
Pb-Precon	208	284	10541	10257.806880	56.9782	ng/L
Tb-Precon	159	37	22	-14.368888		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122194-BSC

Sample Description:

Batch ID: B122194

Sample Date/Time: Sunday, December 30, 2012 19:04:43

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 117

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122194-BSC.040

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	13633	11212.258059	335.2611	ng/L
Fe-Precon	54	399	56286	55887.743274	11434.4049	ng/L
Fe-Precon	56	7325	1117289	1109964.297775	11799.3432	ng/L
Fe-Precon	57	238	27930	27691.499735	11992.3106	ng/L
Co-Precon	59	54	24936	24882.290823	227.5557	ng/L
Ni-Precon	60	44	9208	9163.817802	440.8760	ng/L
Cu-Precon	63	3458	10842	7384.579758	246.6993	ng/L
Cu-Precon	65	1593	4857	3263.536890	240.0988	ng/L
Zn-Precon	66	282	6882	6600.612514	528.0129	ng/L
Zn-Precon	68	286	4414	4127.508924	510.5983	ng/L
Cd-Precon	111	5	341	335.990038	22.5298	ng/L
Cd-Precon	114	15	1064	1048.883852	26.8683	ng/L
Pb-Precon	208	284	10517	10233.202880	56.8456	ng/L
Tb-Precon	159	37	25	-11.844207		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV2

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 19:17:53

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCV2.041

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	11057	8635.874129	262.9573	ng/L
Fe-Precon	54	399	4443	4044.348846	857.5523	ng/L
Fe-Precon	56	7325	85061	77735.485106	851.4474	ng/L
Fe-Precon	57	238	2241	2002.751820	896.0560	ng/L
Co-Precon	59	54	12307	12252.986103	112.5386	ng/L
Ni-Precon	60	44	2218	2173.947226	106.3770	ng/L
Cu-Precon	63	3458	5442	1983.834537	113.5468	ng/L
Cu-Precon	65	1593	2470	877.144021	111.9273	ng/L
Zn-Precon	66	282	7546	7264.647631	579.5646	ng/L
Zn-Precon	68	286	4952	4665.106720	574.7331	ng/L
Cd-Precon	111	5	1650	1644.799050	107.1221	ng/L
Cd-Precon	114	15	4341	4325.583902	107.4793	ng/L
Pb-Precon	208	284	19741	19457.737605	106.5593	ng/L
Tb-Precon	159	37	15	-22.026057		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB2

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 19:31:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCB2.042

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	443	-1977.949806	-34.9098	ng/L
Fe-Precon	54	399	885	486.124994	131.6197	ng/L
Fe-Precon	56	7325	16750	9424.481963	126.9358	ng/L
Fe-Precon	57	238	469	230.455909	130.5128	ng/L
Co-Precon	59	54	71	16.921551	1.1027	ng/L
Ni-Precon	60	44	57	12.661591	2.9490	ng/L
Cu-Precon	63	3458	2905	-552.671265	51.0106	ng/L
Cu-Precon	65	1593	1345	-248.246240	51.4834	ng/L
Zn-Precon	66	282	222	-59.509839	10.9604	ng/L
Zn-Precon	68	286	167	-119.352534	3.9525	ng/L
Cd-Precon	111	5	4	-0.838992	0.7595	ng/L
Cd-Precon	114	15	25	9.244943	1.2918	ng/L
Pb-Precon	208	284	358	74.345637	2.0966	ng/L
Tb-Precon	159	37	12	-24.232128		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122194-BSD

Sample Description:

Batch ID: B122194

Sample Date/Time: Sunday, December 30, 2012 19:44:14

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 118

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122194-BSD.043

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	2819	397.848301	31.7648	ng/L
Fe-Precon	54	399	11181	10781.833588	2232.1032	ng/L
Fe-Precon	56	7325	214481	207156.233758	2224.0935	ng/L
Fe-Precon	57	238	5585	5346.865146	2340.5457	ng/L
Co-Precon	59	54	4803	4748.674814	44.1956	ng/L
Ni-Precon	60	44	1811	1767.383425	86.9209	ng/L
Cu-Precon	63	3458	3711	253.606009	70.8890	ng/L
Cu-Precon	65	1593	1683	89.380718	69.6171	ng/L
Zn-Precon	66	282	2247	1965.204684	168.1473	ng/L
Zn-Precon	68	286	1511	1224.265384	164.2446	ng/L
Cd-Precon	111	5	65	60.125844	4.6999	ng/L
Cd-Precon	114	15	210	194.561082	5.8508	ng/L
Pb-Precon	208	284	2589	2305.780799	14.1225	ng/L
Tb-Precon	159	37	17	-19.726487		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122194-BSE

Sample Description:

Batch ID: B122194

Sample Date/Time: Sunday, December 30, 2012 19:57:23

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 119

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122194-BSE.044

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	746	-1674.878320	-26.4044	ng/L
Fe-Precon	54	399	2470	2071.622636	455.0857	ng/L
Fe-Precon	56	7325	47695	40369.889676	455.1451	ng/L
Fe-Precon	57	238	1267	1029.137311	475.5032	ng/L
Co-Precon	59	54	992	937.576227	9.4873	ng/L
Ni-Precon	60	44	444	399.867968	21.4787	ng/L
Cu-Precon	63	3458	919	-2539.126355	2.0356	ng/L
Cu-Precon	65	1593	446	-1147.316334	3.1949	ng/L
Zn-Precon	66	282	1546	1264.321447	113.7348	ng/L
Zn-Precon	68	286	1021	734.613844	105.8297	ng/L
Cd-Precon	111	5	17	11.817932	1.5776	ng/L
Cd-Precon	114	15	61	46.043086	2.1971	ng/L
Pb-Precon	208	284	609	325.109498	3.4480	ng/L
Tb-Precon	159	37	13	-23.227792		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122194-BSF

Sample Description:

Batch ID: B122194

Sample Date/Time: Sunday, December 30, 2012 20:10:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 120

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122194-BSF.045

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	3783	1362.002875	58.8229	ng/L
Fe-Precon	54	399	13561	13162.240372	2717.7429	ng/L
Fe-Precon	56	7325	262760	255434.526448	2736.1367	ng/L
Fe-Precon	57	238	6835	6596.508822	2880.3293	ng/L
Co-Precon	59	54	6614	6560.294806	60.6943	ng/L
Ni-Precon	60	44	2423	2379.361135	116.2070	ng/L
Cu-Precon	63	3458	2912	-545.786774	51.1804	ng/L
Cu-Precon	65	1593	1331	-261.919330	50.7490	ng/L
Zn-Precon	66	282	2105	1823.302226	157.1308	ng/L
Zn-Precon	68	286	1391	1104.655132	149.9753	ng/L
Cd-Precon	111	5	90	84.901220	6.3012	ng/L
Cd-Precon	114	15	299	283.556782	8.0402	ng/L
Pb-Precon	208	284	2925	2641.354035	15.9310	ng/L
Tb-Precon	159	37	13	-23.542949		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 20:23:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.046

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	304	-2116.612204	-38.8012	ng/L
Fe-Precon	54	399	3812	3413.504413	728.8503	ng/L
Fe-Precon	56	7325	74354	67028.477037	737.8881	ng/L
Fe-Precon	57	238	1938	1700.387312	765.4496	ng/L
Co-Precon	59	54	73	19.332001	1.1247	ng/L
Ni-Precon	60	44	88	44.194445	4.4580	ng/L
Cu-Precon	63	3458	1348	-2110.085550	12.6134	ng/L
Cu-Precon	65	1593	616	-977.466548	12.3174	ng/L
Zn-Precon	66	282	338	56.292357	19.9506	ng/L
Zn-Precon	68	286	240	-46.267216	12.6715	ng/L
Cd-Precon	111	5	4	-0.819535	0.7608	ng/L
Cd-Precon	114	15	23	7.263966	1.2431	ng/L
Pb-Precon	208	284	378	94.677619	2.2062	ng/L
Tb-Precon	159	37	24	-12.436419		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV3

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 20:36:54

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCV3.047

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	10734	8312.582734	253.8844	ng/L
Fe-Precon	54	399	2623	2224.488022	486.2726	ng/L
Fe-Precon	56	7325	50538	43212.773970	485.2970	ng/L
Fe-Precon	57	238	1327	1088.648459	501.2091	ng/L
Co-Precon	59	54	11970	11916.123235	109.4707	ng/L
Ni-Precon	60	44	2170	2126.452110	104.1041	ng/L
Cu-Precon	63	3458	4736	1278.702238	96.1622	ng/L
Cu-Precon	65	1593	2179	586.023638	96.2914	ng/L
Zn-Precon	66	282	7382	7100.541594	566.8244	ng/L
Zn-Precon	68	286	4899	4612.980848	568.5146	ng/L
Cd-Precon	111	5	1645	1639.526349	106.7813	ng/L
Cd-Precon	114	15	4321	4305.312710	106.9806	ng/L
Pb-Precon	208	284	19450	19166.346606	104.9889	ng/L
Tb-Precon	159	37	14	-22.476276		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 20:50:05

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.048

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	437	-1983.994243	-35.0794	ng/L
Fe-Precon	54	399	1561	1162.574395	269.6258	ng/L
Fe-Precon	56	7325	30460	23135.393498	272.3548	ng/L
Fe-Precon	57	238	796	558.064239	272.0232	ng/L
Co-Precon	59	54	111	56.479183	1.4630	ng/L
Ni-Precon	60	44	80	35.771825	4.0550	ng/L
Cu-Precon	63	3458	1304	-2153.826676	11.5350	ng/L
Cu-Precon	65	1593	628	-965.604853	12.9545	ng/L
Zn-Precon	66	282	362	80.302389	21.8146	ng/L
Zn-Precon	68	286	264	-22.497563	15.5072	ng/L
Cd-Precon	111	5	6	0.505455	0.8464	ng/L
Cd-Precon	114	15	22	6.130695	1.2152	ng/L
Pb-Precon	208	284	373	89.793752	2.1799	ng/L
Tb-Precon	159	37	26	-10.819091		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB3

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 21:03:17

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCB3.049

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	232	-2189.117447	-40.8360	ng/L
Fe-Precon	54	399	287	-112.156988	9.5610	ng/L
Fe-Precon	56	7325	5400	-1924.592525	6.5667	ng/L
Fe-Precon	57	238	173	-65.431977	2.7040	ng/L
Co-Precon	59	54	35	-18.843352	0.7770	ng/L
Ni-Precon	60	44	34	-10.358500	1.8474	ng/L
Cu-Precon	63	3458	2750	-707.341142	47.1973	ng/L
Cu-Precon	65	1593	1252	-341.640822	46.4672	ng/L
Zn-Precon	66	282	216	-65.776192	10.4739	ng/L
Zn-Precon	68	286	144	-142.737188	1.1627	ng/L
Cd-Precon	111	5	3	-2.492840	0.6526	ng/L
Cd-Precon	114	15	11	-4.708697	0.9485	ng/L
Pb-Precon	208	284	314	30.407456	1.8598	ng/L
Tb-Precon	159	37	15	-21.381903		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 21:16:29

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.050

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	195	-2225.711047	-41.8630	ng/L
Fe-Precon	54	399	660	260.949848	85.6805	ng/L
Fe-Precon	56	7325	12943	5617.998519	86.5640	ng/L
Fe-Precon	57	238	370	132.180159	88.0626	ng/L
Co-Precon	59	54	34	-19.858080	0.7678	ng/L
Ni-Precon	60	44	51	6.923018	2.6744	ng/L
Cu-Precon	63	3458	577	-2881.186988	-6.3977	ng/L
Cu-Precon	65	1593	285	-1308.255961	-5.4490	ng/L
Zn-Precon	66	282	333	51.242961	19.5586	ng/L
Zn-Precon	68	286	225	-60.917335	10.9238	ng/L
Cd-Precon	111	5	5	-0.474306	0.7831	ng/L
Cd-Precon	114	15	12	-3.945586	0.9673	ng/L
Pb-Precon	208	284	354	70.741740	2.0772	ng/L
Tb-Precon	159	37	21	-15.833824		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122439-BLK1

Sample Description:

Batch ID: B122439

Sample Date/Time: Sunday, December 30, 2012 21:29:40

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 121

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122439-BLK1.051

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	216	-2205.145680	-41.2858	ng/L
Fe-Precon	54	399	224	-174.376146	-3.1327	ng/L
Fe-Precon	56	7325	4175	-3149.960814	-6.4297	ng/L
Fe-Precon	57	238	152	-85.976083	-6.1700	ng/L
Co-Precon	59	54	29	-25.541244	0.7160	ng/L
Ni-Precon	60	44	40	-3.896116	2.1567	ng/L
Cu-Precon	63	3458	302	-3156.209219	-13.1782	ng/L
Cu-Precon	65	1593	155	-1438.194939	-12.4280	ng/L
Zn-Precon	66	282	158	-123.396976	6.0006	ng/L
Zn-Precon	68	286	122	-163.995573	-1.3734	ng/L
Cd-Precon	111	5	3	-2.578345	0.6471	ng/L
Cd-Precon	114	15	5	-10.026310	0.8177	ng/L
Pb-Precon	208	284	76	-207.933209	0.5753	ng/L
Tb-Precon	159	37	14	-23.082340		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 21:42:50

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.052

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	183	-2238.123641	-42.2113	ng/L
Fe-Precon	54	399	622	223.412156	78.0222	ng/L
Fe-Precon	56	7325	12055	4730.386402	77.1499	ng/L
Fe-Precon	57	238	345	106.765591	77.0848	ng/L
Co-Precon	59	54	35	-19.068419	0.7750	ng/L
Ni-Precon	60	44	57	13.326509	2.9809	ng/L
Cu-Precon	63	3458	439	-3018.644755	-9.7866	ng/L
Cu-Precon	65	1593	206	-1387.034241	-9.6802	ng/L
Zn-Precon	66	282	331	49.303316	19.4080	ng/L
Zn-Precon	68	286	252	-34.096296	14.1235	ng/L
Cd-Precon	111	5	4	-1.556936	0.7131	ng/L
Cd-Precon	114	15	11	-4.861403	0.9448	ng/L
Pb-Precon	208	284	355	71.292105	2.0802	ng/L
Tb-Precon	159	37	26	-10.427750		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122439-BLK2

Sample Description:

Batch ID: B122439

Sample Date/Time: Sunday, December 30, 2012 21:56:01

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 122

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122439-BLK2.053

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	227	-2193.522903	-40.9597	ng/L
Fe-Precon	54	399	232	-166.192118	-1.4630	ng/L
Fe-Precon	56	7325	4624	-2700.820111	-1.6661	ng/L
Fe-Precon	57	238	166	-71.617459	0.0322	ng/L
Co-Precon	59	54	30	-23.802713	0.7319	ng/L
Ni-Precon	60	44	21	-22.587114	1.2622	ng/L
Cu-Precon	63	3458	269	-3188.609304	-13.9770	ng/L
Cu-Precon	65	1593	123	-1469.773670	-14.1241	ng/L
Zn-Precon	66	282	260	-21.613540	13.9025	ng/L
Zn-Precon	68	286	186	-100.494435	6.2023	ng/L
Cd-Precon	111	5	1	-3.836622	0.5658	ng/L
Cd-Precon	114	15	5	-10.537245	0.8051	ng/L
Pb-Precon	208	284	97	-186.509497	0.6908	ng/L
Tb-Precon	159	37	13	-24.107448		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 22:09:11

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.054

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	172	-2249.264990	-42.5240	ng/L
Fe-Precon	54	399	579	180.715960	69.3116	ng/L
Fe-Precon	56	7325	10979	3654.422945	65.7381	ng/L
Fe-Precon	57	238	323	84.572208	67.4983	ng/L
Co-Precon	59	54	30	-23.986257	0.7302	ng/L
Ni-Precon	60	44	50	5.551562	2.6088	ng/L
Cu-Precon	63	3458	369	-3089.087824	-11.5234	ng/L
Cu-Precon	65	1593	160	-1432.819693	-12.1393	ng/L
Zn-Precon	66	282	329	47.450525	19.2642	ng/L
Zn-Precon	68	286	233	-53.512735	11.8071	ng/L
Cd-Precon	111	5	3	-1.820161	0.6961	ng/L
Cd-Precon	114	15	11	-4.004668	0.9658	ng/L
Pb-Precon	208	284	375	91.222205	2.1876	ng/L
Tb-Precon	159	37	27	-9.212157		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122439-BLK3

Sample Description:

Batch ID: B122439

Sample Date/Time: Sunday, December 30, 2012 22:22:22

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 123

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122439-BLK3.055

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	230	-2191.167813	-40.8936	ng/L
Fe-Precon	54	399	156	-243.085008	-17.1504	ng/L
Fe-Precon	56	7325	2905	-4419.628120	-19.8959	ng/L
Fe-Precon	57	238	118	-120.089481	-20.9053	ng/L
Co-Precon	59	54	24	-30.275461	0.6729	ng/L
Ni-Precon	60	44	18	-25.489295	1.1233	ng/L
Cu-Precon	63	3458	254	-3203.357284	-14.3406	ng/L
Cu-Precon	65	1593	112	-1480.769705	-14.7146	ng/L
Zn-Precon	66	282	139	-142.798854	4.4943	ng/L
Zn-Precon	68	286	106	-180.841084	-3.3830	ng/L
Cd-Precon	111	5	2	-3.284865	0.6015	ng/L
Cd-Precon	114	15	5	-10.407302	0.8083	ng/L
Pb-Precon	208	284	134	-149.892093	0.8881	ng/L
Tb-Precon	159	37	12	-24.297927		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 22:35:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.056

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	154	-2267.270771	-43.0293	ng/L
Fe-Precon	54	399	527	128.701373	58.6998	ng/L
Fe-Precon	56	7325	10102	2777.083541	56.4330	ng/L
Fe-Precon	57	238	293	54.714852	54.6014	ng/L
Co-Precon	59	54	38	-15.712601	0.8055	ng/L
Ni-Precon	60	44	51	7.248543	2.6900	ng/L
Cu-Precon	63	3458	335	-3123.006439	-12.3596	ng/L
Cu-Precon	65	1593	145	-1448.048080	-12.9572	ng/L
Zn-Precon	66	282	318	36.776488	18.4355	ng/L
Zn-Precon	68	286	251	-35.440986	13.9631	ng/L
Cd-Precon	111	5	3	-2.358675	0.6613	ng/L
Cd-Precon	114	15	10	-5.150012	0.9377	ng/L
Pb-Precon	208	284	407	123.737151	2.3628	ng/L
Tb-Precon	159	37	24	-12.439882		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122439-BLK4

Sample Description:

Batch ID: B122439

Sample Date/Time: Sunday, December 30, 2012 22:48:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 124

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122439-BLK4.057

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	162	-2258.654020	-42.7875	ng/L
Fe-Precon	54	399	507	108.798150	54.6392	ng/L
Fe-Precon	56	7325	9640	2315.089915	51.5331	ng/L
Fe-Precon	57	238	295	57.333097	55.7324	ng/L
Co-Precon	59	54	27	-26.677174	0.7057	ng/L
Ni-Precon	60	44	24	-19.799233	1.3956	ng/L
Cu-Precon	63	3458	244	-3214.176215	-14.6074	ng/L
Cu-Precon	65	1593	105	-1487.751839	-15.0896	ng/L
Zn-Precon	66	282	232	-49.182623	11.7622	ng/L
Zn-Precon	68	286	163	-123.699141	3.4340	ng/L
Cd-Precon	111	5	1	-3.644630	0.5782	ng/L
Cd-Precon	114	15	6	-9.402231	0.8330	ng/L
Pb-Precon	208	284	133	-150.768765	0.8834	ng/L
Tb-Precon	159	37	12	-24.498791		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 23:01:54

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.058

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	138	-2283.489347	-43.4845	ng/L
Fe-Precon	54	399	539	140.802979	61.1687	ng/L
Fe-Precon	56	7325	10278	2952.556599	58.2941	ng/L
Fe-Precon	57	238	307	68.990396	60.7678	ng/L
Co-Precon	59	54	27	-27.553339	0.6977	ng/L
Ni-Precon	60	44	47	3.407828	2.5062	ng/L
Cu-Precon	63	3458	322	-3136.019188	-12.6804	ng/L
Cu-Precon	65	1593	155	-1437.772434	-12.4053	ng/L
Zn-Precon	66	282	328	46.889933	19.2207	ng/L
Zn-Precon	68	286	223	-63.299776	10.6395	ng/L
Cd-Precon	111	5	3	-2.072490	0.6798	ng/L
Cd-Precon	114	15	12	-3.266147	0.9840	ng/L
Pb-Precon	208	284	437	153.718116	2.5244	ng/L
Tb-Precon	159	37	23	-13.305684		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122439-BS1

Sample Description:

Batch ID: B122439

Sample Date/Time: Sunday, December 30, 2012 23:15:05

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 125

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122439-BS1.059

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	126998	124577.221622	3516.7430	ng/L
Fe-Precon	54	399	527244	526845.641716	107517.0849	ng/L
Fe-Precon	56	7325	11918048	11910723.265500	126352.9982	ng/L
Fe-Precon	57	238	264683	264445.127516	114258.0395	ng/L
Co-Precon	59	54	234003	233949.017012	2131.5606	ng/L
Ni-Precon	60	44	86080	86036.099084	4119.5858	ng/L
Cu-Precon	63	3458	99998	96540.415653	2444.7889	ng/L
Cu-Precon	65	1593	45236	43642.509518	2408.8260	ng/L
Zn-Precon	66	282	60340	60058.306319	4678.1516	ng/L
Zn-Precon	68	286	38970	38683.187093	4633.0521	ng/L
Cd-Precon	111	5	3325	3320.215729	215.4093	ng/L
Cd-Precon	114	15	9944	9928.248996	245.3121	ng/L
Pb-Precon	208	284	98725	98441.538888	532.2256	ng/L
Tb-Precon	159	37	104	66.913306		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 23:28:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.060

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1397	-1023.517518	-8.1246	ng/L
Fe-Precon	54	399	18068	17669.732196	3637.3408	ng/L
Fe-Precon	56	7325	344601	337276.268884	3604.1563	ng/L
Fe-Precon	57	238	8969	8731.204247	3802.4110	ng/L
Co-Precon	59	54	484	429.536527	4.8605	ng/L
Ni-Precon	60	44	539	495.056944	26.0340	ng/L
Cu-Precon	63	3458	5421	1963.560758	113.0470	ng/L
Cu-Precon	65	1593	2391	797.936042	107.6731	ng/L
Zn-Precon	66	282	495	213.234416	32.1347	ng/L
Zn-Precon	68	286	318	31.440531	21.9420	ng/L
Cd-Precon	111	5	7	2.211863	0.9567	ng/L
Cd-Precon	114	15	236	220.125710	6.4797	ng/L
Pb-Precon	208	284	566	282.736570	3.2197	ng/L
Tb-Precon	159	37	32	-4.730752		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-10RE1

Sample Description:

Batch ID: B122439

Sample Date/Time: Sunday, December 30, 2012 23:41:28

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 126

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-10RE1.061

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	429	-1992.371931	-35.3145	ng/L
Fe-Precon	54	399	3298	2899.137915	623.9116	ng/L
Fe-Precon	56	7325	64334	57008.828293	631.6189	ng/L
Fe-Precon	57	238	1658	1419.959147	644.3187	ng/L
Co-Precon	59	54	102	47.803696	1.3840	ng/L
Ni-Precon	60	44	566	522.434332	27.3441	ng/L
Cu-Precon	63	3458	9174	5716.302500	205.5688	ng/L
Cu-Precon	65	1593	4222	2629.232329	206.0308	ng/L
Zn-Precon	66	282	3989	3707.887937	303.4389	ng/L
Zn-Precon	68	286	2746	2459.486404	311.6051	ng/L
Cd-Precon	111	5	23	17.753254	1.9612	ng/L
Cd-Precon	114	15	102	86.783443	3.1993	ng/L
Pb-Precon	208	284	1444	1160.861813	7.9522	ng/L
Tb-Precon	159	37	18	-18.285784		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, December 30, 2012 23:54:39

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.062

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	224	-2197.450251	-41.0699	ng/L
Fe-Precon	54	399	2175	1775.884442	394.7505	ng/L
Fe-Precon	56	7325	41033	33708.143983	384.4901	ng/L
Fe-Precon	57	238	1083	844.454195	395.7293	ng/L
Co-Precon	59	54	59	5.118854	0.9953	ng/L
Ni-Precon	60	44	97	53.046531	4.8817	ng/L
Cu-Precon	63	3458	1462	-1996.066706	15.4245	ng/L
Cu-Precon	65	1593	656	-936.868155	14.4979	ng/L
Zn-Precon	66	282	375	93.412787	22.8324	ng/L
Zn-Precon	68	286	240	-46.205180	12.6789	ng/L
Cd-Precon	111	5	2	-2.986066	0.6208	ng/L
Cd-Precon	114	15	55	39.149903	2.0275	ng/L
Pb-Precon	208	284	479	195.535936	2.7497	ng/L
Tb-Precon	159	37	26	-10.922988		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245005-26RE1

Sample Description:

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 00:07:51

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 127

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245005-26RE1.063

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	237	-2183.562347	-40.6801	ng/L
Fe-Precon	54	399	1781	1382.123506	314.4172	ng/L
Fe-Precon	56	7325	34062	26736.944188	310.5531	ng/L
Fe-Precon	57	238	944	705.856684	335.8621	ng/L
Co-Precon	59	54	67	12.918129	1.0663	ng/L
Ni-Precon	60	44	264	220.514794	12.8958	ng/L
Cu-Precon	63	3458	725	-2732.277675	-2.7264	ng/L
Cu-Precon	65	1593	319	-1274.161444	-3.6179	ng/L
Zn-Precon	66	282	1266	984.723288	92.0285	ng/L
Zn-Precon	68	286	874	587.971746	88.3355	ng/L
Cd-Precon	111	5	2	-2.949765	0.6231	ng/L
Cd-Precon	114	15	32	16.598151	1.4727	ng/L
Pb-Precon	208	284	4081	3797.758422	22.1631	ng/L
Tb-Precon	159	37	13	-23.369785		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 00:21:02

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.064

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	170	-2250.685002	-42.5639	ng/L
Fe-Precon	54	399	1373	973.998024	231.1533	ng/L
Fe-Precon	56	7325	26444	19118.488621	229.7512	ng/L
Fe-Precon	57	238	750	511.866714	252.0682	ng/L
Co-Precon	59	54	50	-4.599073	0.9068	ng/L
Ni-Precon	60	44	68	23.650454	3.4749	ng/L
Cu-Precon	63	3458	649	-2809.188436	-4.6226	ng/L
Cu-Precon	65	1593	301	-1292.040715	-4.5781	ng/L
Zn-Precon	66	282	357	75.944593	21.4763	ng/L
Zn-Precon	68	286	241	-45.152385	12.8045	ng/L
Cd-Precon	111	5	5	-0.084020	0.8083	ng/L
Cd-Precon	114	15	27	11.374933	1.3442	ng/L
Pb-Precon	208	284	508	224.952476	2.9083	ng/L
Tb-Precon	159	37	22	-14.774080		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-01RE1

Sample Description: 10,000x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 00:34:13

Diluted To Volume (mL): 10000.00

Aliquot Volume (mL): 1

Autosampler Position: 128

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-01RE1.065

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	136	-2284.521386	-435134.4712	ng/L
Fe-Precon	54	399	37890	37491.718518	76813319.3157	ng/L
Fe-Precon	56	7325	718320	710994.807915	75678430.0279	ng/L
Fe-Precon	57	238	18541	18302.466184	79367175.7631	ng/L
Co-Precon	59	54	46	-8.415566	8719.9461	ng/L
Ni-Precon	60	44	36	-7.719524	19737.0310	ng/L
Cu-Precon	63	3458	216	-3241.486057	-152806.6430	ng/L
Cu-Precon	65	1593	96	-1496.808469	-155760.7489	ng/L
Zn-Precon	66	282	113	-168.292626	25151.6278	ng/L
Zn-Precon	68	286	95	-191.539240	-46592.8661	ng/L
Cd-Precon	111	5	2	-3.336641	5981.0578	ng/L
Cd-Precon	114	15	17	1.164724	10930.0262	ng/L
Pb-Precon	208	284	274	-9.620539	16440.9263	ng/L
Tb-Precon	159	37	17	-19.806136		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Monday, December 31, 2012 00:47:24

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.066

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	138	-2282.633900	-43.4605	ng/L
Fe-Precon	54	399	3715	3316.262280	709.0114	ng/L
Fe-Precon	56	7325	72164	64838.849338	714.6647	ng/L
Fe-Precon	57	238	1870	1632.082209	735.9453	ng/L
Co-Precon	59	54	45	-8.855388	0.8680	ng/L
Ni-Precon	60	44	59	15.317906	3.0762	ng/L
Cu-Precon	63	3458	415	-3042.790639	-10.3819	ng/L
Cu-Precon	65	1593	190	-1402.764781	-10.5251	ng/L
Zn-Precon	66	282	335	53.231090	19.7130	ng/L
Zn-Precon	68	286	230	-56.335639	11.4704	ng/L
Cd-Precon	111	5	2	-3.287271	0.6013	ng/L
Cd-Precon	114	15	24	8.665353	1.2775	ng/L
Pb-Precon	208	284	491	207.642909	2.8150	ng/L
Tb-Precon	159	37	24	-13.160232		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122439-DUP1

Sample Description: 10,000x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 01:00:35

Diluted To Volume (mL): 10000.00

Aliquot Volume (mL): 1

Autosampler Position: 129

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122439-DUP1.067

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	122	-2299.212608	-439257.4255	ng/L
Fe-Precon	54	399	36654	36255.134343	74290496.7459	ng/L
Fe-Precon	56	7325	694785	687460.097578	73182321.0988	ng/L
Fe-Precon	57	238	17962	17723.557619	76866580.2316	ng/L
Co-Precon	59	54	39	-15.023434	8118.1568	ng/L
Ni-Precon	60	44	19	-24.505741	11704.0159	ng/L
Cu-Precon	63	3458	153	-3304.332405	-168301.0750	ng/L
Cu-Precon	65	1593	76	-1516.801971	-166499.1227	ng/L
Zn-Precon	66	282	56	-225.696726	-19413.5158	ng/L
Zn-Precon	68	286	49	-237.244060	-101118.2052	ng/L
Cd-Precon	111	5	1	-4.038763	5527.2553	ng/L
Cd-Precon	114	15	10	-5.321058	9334.4396	ng/L
Pb-Precon	208	284	236	-47.474841	14400.8496	ng/L
Tb-Precon	159	37	15	-21.222593		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 01:13:46

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.068

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	118	-2303.323528	-44.0411	ng/L
Fe-Precon	54	399	3921	3522.679835	751.1238	ng/L
Fe-Precon	56	7325	75711	68385.935219	752.2854	ng/L
Fe-Precon	57	238	2020	1782.240805	800.8063	ng/L
Co-Precon	59	54	40	-13.714310	0.8237	ng/L
Ni-Precon	60	44	53	8.893591	2.7687	ng/L
Cu-Precon	63	3458	345	-3113.097865	-12.1153	ng/L
Cu-Precon	65	1593	155	-1438.243584	-12.4306	ng/L
Zn-Precon	66	282	339	57.315446	20.0300	ng/L
Zn-Precon	68	286	231	-55.165162	11.6100	ng/L
Cd-Precon	111	5	5	0.248835	0.8298	ng/L
Cd-Precon	114	15	21	5.595906	1.2020	ng/L
Pb-Precon	208	284	523	239.024521	2.9841	ng/L
Tb-Precon	159	37	31	-5.908255		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122439-MS1

Sample Description: 10,000x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 01:26:57

Diluted To Volume (mL): 10000.00

Aliquot Volume (mL): 1

Autosampler Position: 130

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122439-MS1.069

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	319852	317430.848775	89290001.3040	ng/L
Fe-Precon	54	399	114850	114450.972769	233822075.8281	ng/L
Fe-Precon	56	7325	2473240	2465914.644462	261806536.6002	ng/L
Fe-Precon	57	238	57824	57585.792761	249051503.9099	ng/L
Co-Precon	59	54	359833	359778.522438	32775104.4233	ng/L
Ni-Precon	60	44	64960	64915.712522	31088733.2712	ng/L
Cu-Precon	63	3458	143553	140095.524117	35186169.0104	ng/L
Cu-Precon	65	1593	67860	66266.408860	36239402.3377	ng/L
Zn-Precon	66	282	224483	224201.731638	174212751.2038	ng/L
Zn-Precon	68	286	148006	147719.207714	176409275.0054	ng/L
Cd-Precon	111	5	51135	51129.758882	33054836.3578	ng/L
Cd-Precon	114	15	129811	129795.961508	31942132.5656	ng/L
Pb-Precon	208	284	668533	668249.980220	36030864.3204	ng/L
Tb-Precon	159	37	20	-16.405259		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 01:40:08

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.070

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	6106	3684.955408	124.0143	ng/L
Fe-Precon	54	399	7587	7188.637198	1499.0356	ng/L
Fe-Precon	56	7325	146709	139383.542860	1505.2913	ng/L
Fe-Precon	57	238	3860	3621.715675	1595.3674	ng/L
Co-Precon	59	54	794	740.280330	7.6905	ng/L
Ni-Precon	60	44	494	450.481991	23.9009	ng/L
Cu-Precon	63	3458	10570	7111.896204	239.9765	ng/L
Cu-Precon	65	1593	4842	3248.896646	239.3125	ng/L
Zn-Precon	66	282	841	559.294982	59.0008	ng/L
Zn-Precon	68	286	529	242.239119	47.0900	ng/L
Cd-Precon	111	5	47	41.899741	3.5219	ng/L
Cd-Precon	114	15	114	98.771644	3.4943	ng/L
Pb-Precon	208	284	1427	1143.538241	7.8588	ng/L
Tb-Precon	159	37	35	-2.050215		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV4

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 01:53:20

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCV4.071

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	12046	9625.032922	290.7171	ng/L
Fe-Precon	54	399	2950	2551.276608	552.9425	ng/L
Fe-Precon	56	7325	57328	50002.856588	557.3131	ng/L
Fe-Precon	57	238	1567	1328.639715	604.8733	ng/L
Co-Precon	59	54	12288	12234.198639	112.3675	ng/L
Ni-Precon	60	44	2212	2168.368586	106.1100	ng/L
Cu-Precon	63	3458	5094	1635.786646	104.9659	ng/L
Cu-Precon	65	1593	2370	777.299354	106.5647	ng/L
Zn-Precon	66	282	7610	7328.165085	584.4957	ng/L
Zn-Precon	68	286	5023	4736.720553	583.2766	ng/L
Cd-Precon	111	5	1699	1694.047304	110.3051	ng/L
Cd-Precon	114	15	4385	4369.869971	108.5688	ng/L
Pb-Precon	208	284	20048	19764.507013	108.2125	ng/L
Tb-Precon	159	37	14	-22.462424		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 02:06:31

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.072

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	945	-1475.535164	-20.8100	ng/L
Fe-Precon	54	399	1557	1157.890329	268.6702	ng/L
Fe-Precon	56	7325	29937	22611.856470	266.8021	ng/L
Fe-Precon	57	238	825	586.475707	284.2955	ng/L
Co-Precon	59	54	107	52.981389	1.4311	ng/L
Ni-Precon	60	44	91	47.470644	4.6148	ng/L
Cu-Precon	63	3458	1341	-2116.750302	12.4491	ng/L
Cu-Precon	65	1593	633	-960.519396	13.2276	ng/L
Zn-Precon	66	282	381	99.952975	23.3402	ng/L
Zn-Precon	68	286	265	-21.752439	15.5961	ng/L
Cd-Precon	111	5	6	0.515407	0.8471	ng/L
Cd-Precon	114	15	20	4.472023	1.1744	ng/L
Pb-Precon	208	284	583	299.267061	3.3088	ng/L
Tb-Precon	159	37	31	-6.036379		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB4

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 02:19:43

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCB4.073

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	526	-1894.868579	-32.5782	ng/L
Fe-Precon	54	399	347	-51.412024	21.9539	ng/L
Fe-Precon	56	7325	6574	-751.353003	19.0101	ng/L
Fe-Precon	57	238	198	-39.962674	13.7055	ng/L
Co-Precon	59	54	43	-11.508209	0.8438	ng/L
Ni-Precon	60	44	48	4.401780	2.5538	ng/L
Cu-Precon	63	3458	2812	-645.793761	48.7147	ng/L
Cu-Precon	65	1593	1280	-312.862631	48.0129	ng/L
Zn-Precon	66	282	225	-56.757830	11.1741	ng/L
Zn-Precon	68	286	162	-124.267514	3.3662	ng/L
Cd-Precon	111	5	2	-2.807964	0.6323	ng/L
Cd-Precon	114	15	10	-5.516150	0.9286	ng/L
Pb-Precon	208	284	531	247.697798	3.0309	ng/L
Tb-Precon	159	37	18	-18.736006		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 02:32:54

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.074

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	404	-2017.269867	-36.0133	ng/L
Fe-Precon	54	399	888	489.402121	132.2883	ng/L
Fe-Precon	56	7325	17105	9779.819252	130.7045	ng/L
Fe-Precon	57	238	482	243.775367	136.2661	ng/L
Co-Precon	59	54	45	-8.716847	0.8693	ng/L
Ni-Precon	60	44	62	18.465975	3.2268	ng/L
Cu-Precon	63	3458	786	-2671.790675	-1.2351	ng/L
Cu-Precon	65	1593	383	-1210.328444	-0.1894	ng/L
Zn-Precon	66	282	338	56.870773	19.9955	ng/L
Zn-Precon	68	286	232	-54.371714	11.7046	ng/L
Cd-Precon	111	5	5	-0.576141	0.7765	ng/L
Cd-Precon	114	15	14	-1.300346	1.0324	ng/L
Pb-Precon	208	284	542	258.038840	3.0866	ng/L
Tb-Precon	159	37	30	-6.877950		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122439-MSD1

Sample Description: 10,000x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 02:46:05

Diluted To Volume (mL): 10000.00

Aliquot Volume (mL): 1

Autosampler Position: 131

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122439-MSD1.075

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	313814	311393.394278	87595646.0271	ng/L
Fe-Precon	54	399	114811	114412.750363	233744096.2210	ng/L
Fe-Precon	56	7325	2433506	2426180.471688	257592300.6046	ng/L
Fe-Precon	57	238	56265	56026.901179	242317871.7607	ng/L
Co-Precon	59	54	353883	353828.581707	32233233.5964	ng/L
Ni-Precon	60	44	64038	63994.452532	30647865.8949	ng/L
Cu-Precon	63	3458	142448	138989.848452	34913570.5701	ng/L
Cu-Precon	65	1593	66988	65395.214794	35771489.9307	ng/L
Zn-Precon	66	282	223796	223514.061172	173678884.5778	ng/L
Zn-Precon	68	286	146291	146004.134668	174363212.0317	ng/L
Cd-Precon	111	5	51073	51067.614322	33014670.4623	ng/L
Cd-Precon	114	15	129325	129309.973376	31822573.1852	ng/L
Pb-Precon	208	284	668931	668647.040633	36052263.0430	ng/L
Tb-Precon	159	37	22	-15.051135		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Monday, December 31, 2012 02:59:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.076

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	6201	3779.625286	126.6712	ng/L
Fe-Precon	54	399	6979	6580.251734	1374.9156	ng/L
Fe-Precon	56	7325	135976	128651.066692	1391.4619	ng/L
Fe-Precon	57	238	3498	3259.929830	1439.0940	ng/L
Co-Precon	59	54	825	771.264618	7.9727	ng/L
Ni-Precon	60	44	481	437.376817	23.2737	ng/L
Cu-Precon	63	3458	10002	6544.161430	225.9793	ng/L
Cu-Precon	65	1593	4665	3071.370294	229.7777	ng/L
Zn-Precon	66	282	858	576.130265	60.3077	ng/L
Zn-Precon	68	286	570	284.061206	52.0793	ng/L
Cd-Precon	111	5	43	37.696284	3.2502	ng/L
Cd-Precon	114	15	108	92.334404	3.3359	ng/L
Pb-Precon	208	284	1237	953.522479	6.8347	ng/L
Tb-Precon	159	37	31	-5.572305		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-02RE1

Sample Description: 10,000x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 03:12:27

Diluted To Volume (mL): 10000.00

Aliquot Volume (mL): 1

Autosampler Position: 132

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-02RE1.077

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1477	-943.948535	-58915.2078	ng/L
Fe-Precon	54	399	5538	5139.051026	10808884.3427	ng/L
Fe-Precon	56	7325	106729	99403.619350	10812612.4826	ng/L
Fe-Precon	57	238	2808	2570.072830	11411103.0712	ng/L
Co-Precon	59	54	59	5.084178	9949.3899	ng/L
Ni-Precon	60	44	65	20.578570	33279.0353	ng/L
Cu-Precon	63	3458	416	-3042.238677	-103683.2637	ng/L
Cu-Precon	65	1593	204	-1389.482320	-98116.6044	ng/L
Zn-Precon	66	282	74	-207.843598	-5553.4045	ng/L
Zn-Precon	68	286	59	-227.713208	-89748.0052	ng/L
Cd-Precon	111	5	2	-2.701136	6391.8033	ng/L
Cd-Precon	114	15	8	-7.311381	8844.7945	ng/L
Pb-Precon	208	284	329	45.530563	19413.1771	ng/L
Tb-Precon	159	37	17	-19.878867		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 03:25:37

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.078

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	806	-1614.742866	-24.7167	ng/L
Fe-Precon	54	399	1518	1119.450146	260.8278	ng/L
Fe-Precon	56	7325	29534	22209.330633	262.5329	ng/L
Fe-Precon	57	238	798	559.709606	272.7339	ng/L
Co-Precon	59	54	63	8.699953	1.0279	ng/L
Ni-Precon	60	44	83	39.089617	4.2137	ng/L
Cu-Precon	63	3458	877	-2580.582265	1.0136	ng/L
Cu-Precon	65	1593	423	-1169.673393	1.9941	ng/L
Zn-Precon	66	282	340	58.146855	20.0946	ng/L
Zn-Precon	68	286	232	-54.680053	11.6679	ng/L
Cd-Precon	111	5	5	-0.546831	0.7784	ng/L
Cd-Precon	114	15	9	-6.141883	0.9133	ng/L
Pb-Precon	208	284	575	291.046610	3.2645	ng/L
Tb-Precon	159	37	30	-7.141151		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-03RE1

Sample Description: 10,000x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 03:38:48

Diluted To Volume (mL): 10000.00

Aliquot Volume (mL): 1

Autosampler Position: 133

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-03RE1.079

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	547	-1874.253876	-319996.7222	ng/L
Fe-Precon	54	399	1712	1313.192911	3003543.3088	ng/L
Fe-Precon	56	7325	33564	26239.072476	3052726.0796	ng/L
Fe-Precon	57	238	922	683.876400	3263677.6392	ng/L
Co-Precon	59	54	49	-4.706465	9057.7401	ng/L
Ni-Precon	60	44	40	-3.944602	21543.5139	ng/L
Cu-Precon	63	3458	270	-3187.629571	-139528.6135	ng/L
Cu-Precon	65	1593	128	-1465.212562	-138790.8023	ng/L
Zn-Precon	66	282	280	-1.968038	154276.1885	ng/L
Zn-Precon	68	286	191	-95.140085	68410.2477	ng/L
Cd-Precon	111	5	12	6.468519	12318.4272	ng/L
Cd-Precon	114	15	30	14.200942	14137.1047	ng/L
Pb-Precon	208	284	309	25.775319	18348.5104	ng/L
Tb-Precon	159	37	15	-21.357659		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 03:51:58

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.080

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	420	-2000.673041	-35.5475	ng/L
Fe-Precon	54	399	910	511.616665	136.8204	ng/L
Fe-Precon	56	7325	17550	10224.453693	135.4204	ng/L
Fe-Precon	57	238	484	246.214521	137.3197	ng/L
Co-Precon	59	54	46	-7.695211	0.8786	ng/L
Ni-Precon	60	44	64	19.653881	3.2837	ng/L
Cu-Precon	63	3458	557	-2901.001131	-6.8862	ng/L
Cu-Precon	65	1593	249	-1344.387974	-7.3897	ng/L
Zn-Precon	66	282	331	49.005446	19.3849	ng/L
Zn-Precon	68	286	233	-53.876932	11.7637	ng/L
Cd-Precon	111	5	5	0.080677	0.8190	ng/L
Cd-Precon	114	15	14	-1.268016	1.0332	ng/L
Pb-Precon	208	284	570	286.674303	3.2409	ng/L
Tb-Precon	159	37	31	-5.589634		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-04RE1

Sample Description: 10,000x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 04:05:09

Diluted To Volume (mL): 10000.00

Aliquot Volume (mL): 1

Autosampler Position: 134

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-04RE1.081

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	942	-1478.790498	-209013.6148	ng/L
Fe-Precon	54	399	1569	1169.841586	2711084.4816	ng/L
Fe-Precon	56	7325	30239	22913.533623	2700016.9489	ng/L
Fe-Precon	57	238	812	574.394705	2790771.4628	ng/L
Co-Precon	59	54	50	-4.107278	9112.3090	ng/L
Ni-Precon	60	44	34	-10.323857	18490.7319	ng/L
Cu-Precon	63	3458	230	-3227.500952	-149358.6899	ng/L
Cu-Precon	65	1593	102	-1491.447294	-152881.2983	ng/L
Zn-Precon	66	282	87	-194.212078	5029.3005	ng/L
Zn-Precon	68	286	57	-228.963420	-91239.4942	ng/L
Cd-Precon	111	5	1	-3.649927	5778.5714	ng/L
Cd-Precon	114	15	6	-9.533275	8298.1798	ng/L
Pb-Precon	208	284	274	-9.519741	16446.3586	ng/L
Tb-Precon	159	37	16	-20.862416		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 04:18:19

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.082

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	295	-2125.976655	-39.0640	ng/L
Fe-Precon	54	399	770	371.097972	108.1524	ng/L
Fe-Precon	56	7325	14934	7608.626701	107.6767	ng/L
Fe-Precon	57	238	439	200.919531	117.7545	ng/L
Co-Precon	59	54	41	-12.948927	0.8307	ng/L
Ni-Precon	60	44	53	8.976719	2.7727	ng/L
Cu-Precon	63	3458	465	-2992.772028	-9.1488	ng/L
Cu-Precon	65	1593	220	-1372.906184	-8.9214	ng/L
Zn-Precon	66	282	337	55.925364	19.9221	ng/L
Zn-Precon	68	286	233	-53.052148	11.8621	ng/L
Cd-Precon	111	5	5	-0.435322	0.7856	ng/L
Cd-Precon	114	15	14	-1.046216	1.0386	ng/L
Pb-Precon	208	284	547	263.881906	3.1181	ng/L
Tb-Precon	159	37	32	-4.858886		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-05RE1

Sample Description: 10,000x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 04:31:30

Diluted To Volume (mL): 10000.00

Aliquot Volume (mL): 1

Autosampler Position: 135

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-05RE1.083

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	264	-2156.578520	-399228.4997	ng/L
Fe-Precon	54	399	9591	9191.955323	19077434.6328	ng/L
Fe-Precon	56	7325	186796	179471.386699	19304659.5971	ng/L
Fe-Precon	57	238	4859	4620.795257	20269198.5421	ng/L
Co-Precon	59	54	38	-16.401766	7992.6299	ng/L
Ni-Precon	60	44	21	-22.476302	12675.2005	ng/L
Cu-Precon	63	3458	176	-3281.426068	-162653.6398	ng/L
Cu-Precon	65	1593	82	-1510.962806	-163362.9471	ng/L
Zn-Precon	66	282	69	-212.394342	-9086.3326	ng/L
Zn-Precon	68	286	60	-226.331375	-88099.4939	ng/L
Cd-Precon	111	5	2	-2.983967	6209.0015	ng/L
Cd-Precon	114	15	3	-12.164077	7650.9683	ng/L
Pb-Precon	208	284	286	2.574269	17098.1394	ng/L
Tb-Precon	159	37	15	-21.181035		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Monday, December 31, 2012 04:44:40

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.084

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	230	-2191.382239	-40.8996	ng/L
Fe-Precon	54	399	1455	1056.721401	248.0302	ng/L
Fe-Precon	56	7325	27915	20590.196521	245.3602	ng/L
Fe-Precon	57	238	753	515.294822	253.5490	ng/L
Co-Precon	59	54	47	-6.929835	0.8855	ng/L
Ni-Precon	60	44	56	12.339510	2.9336	ng/L
Cu-Precon	63	3458	411	-3047.058573	-10.4872	ng/L
Cu-Precon	65	1593	182	-1410.944593	-10.9644	ng/L
Zn-Precon	66	282	355	73.074891	21.2535	ng/L
Zn-Precon	68	286	221	-65.651921	10.3589	ng/L
Cd-Precon	111	5	6	1.025048	0.8800	ng/L
Cd-Precon	114	15	14	-1.798669	1.0201	ng/L
Pb-Precon	208	284	571	287.037620	3.2429	ng/L
Tb-Precon	159	37	33	-4.100447		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-06RE1.

Sample Description: 10,000x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 04:57:50

Diluted To Volume (mL): 10000.00

Aliquot Volume (mL): 1

Autosampler Position: 136

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-06RE1..085

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	214	-2206.984464	-413374.4574	ng/L
Fe-Precon	54	399	32700	32301.214414	66223889.8452	ng/L
Fe-Precon	56	7325	629053	621728.064299	66210732.6305	ng/L
Fe-Precon	57	238	16309	16071.150762	69729008.8541	ng/L
Co-Precon	59	54	48	-5.939317	8945.4622	ng/L
Ni-Precon	60	44	19	-24.876304	11526.6837	ng/L
Cu-Precon	63	3458	182	-3275.697730	-161241.3487	ng/L
Cu-Precon	65	1593	79	-1514.502307	-165263.9890	ng/L
Zn-Precon	66	282	104	-177.134513	18287.3104	ng/L
Zn-Precon	68	286	85	-201.634687	-58636.6213	ng/L
Cd-Precon	111	5	2	-3.514426	5866.1496	ng/L
Cd-Precon	114	15	6	-9.387600	8334.0176	ng/L
Pb-Precon	208	284	329	45.617322	19417.8528	ng/L
Tb-Precon	159	37	19	-17.984487		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 05:11:01

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.086

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	200	-2221.056031	-41.7324	ng/L
Fe-Precon	54	399	2855	2456.727245	533.6530	ng/L
Fe-Precon	56	7325	54545	47220.040331	527.7983	ng/L
Fe-Precon	57	238	1459	1221.146062	558.4414	ng/L
Co-Precon	59	54	37	-17.551559	0.7888	ng/L
Ni-Precon	60	44	46	1.838998	2.4311	ng/L
Cu-Precon	63	3458	387	-3071.164505	-11.0815	ng/L
Cu-Precon	65	1593	181	-1412.402960	-11.0427	ng/L
Zn-Precon	66	282	344	62.672699	20.4459	ng/L
Zn-Precon	68	286	248	-38.786140	13.5640	ng/L
Cd-Precon	111	5	3	-1.854674	0.6939	ng/L
Cd-Precon	114	15	11	-4.733063	0.9479	ng/L
Pb-Precon	208	284	530	246.215850	3.0229	ng/L
Tb-Precon	159	37	30	-6.774049		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-07RE1

Sample Description: 10,000x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 05:24:13

Diluted To Volume (mL): 10000.00

Aliquot Volume (mL): 1

Autosampler Position: 137

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-07RE1.087

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	181	-2239.868870	-422603.1592	ng/L
Fe-Precon	54	399	34946	34547.761162	70807191.9415	ng/L
Fe-Precon	56	7325	672406	665081.445363	70808824.5563	ng/L
Fe-Precon	57	238	17502	17263.829278	74880783.6733	ng/L
Co-Precon	59	54	53	-1.561775	9344.1321	ng/L
Ni-Precon	60	44	20	-24.090157	11902.8930	ng/L
Cu-Precon	63	3458	149	-3308.308395	-169281.3343	ng/L
Cu-Precon	65	1593	63	-1530.121649	-173653.0314	ng/L
Zn-Precon	66	282	128	-153.704881	36476.6891	ng/L
Zn-Precon	68	286	96	-189.914869	-44655.0095	ng/L
Cd-Precon	111	5	3	-2.104963	6777.1279	ng/L
Cd-Precon	114	15	3	-12.686461	7522.4551	ng/L
Pb-Precon	208	284	272	-11.130189	16359.5669	ng/L
Tb-Precon	159	37	18	-18.413926		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 05:37:24

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.088

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	165	-2255.758551	-42.7062	ng/L
Fe-Precon	54	399	3611	3212.066251	687.7538	ng/L
Fe-Precon	56	7325	68793	61467.855039	678.9117	ng/L
Fe-Precon	57	238	1793	1554.676570	702.5099	ng/L
Co-Precon	59	54	43	-10.926368	0.8491	ng/L
Ni-Precon	60	44	53	8.931691	2.7705	ng/L
Cu-Precon	63	3458	364	-3093.992117	-11.6443	ng/L
Cu-Precon	65	1593	173	-1420.559177	-11.4808	ng/L
Zn-Precon	66	282	334	52.445710	19.6520	ng/L
Zn-Precon	68	286	235	-51.704793	12.0228	ng/L
Cd-Precon	111	5	4	-1.443206	0.7205	ng/L
Cd-Precon	114	15	12	-3.733070	0.9725	ng/L
Pb-Precon	208	284	555	271.531809	3.1593	ng/L
Tb-Precon	159	37	38	1.447636		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-08RE1

Sample Description: 10,000x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 05:50:35

Diluted To Volume (mL): 10000.00

Aliquot Volume (mL): 1

Autosampler Position: 138

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-08RE1.089

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	867	-1553.963546	-230110.2294	ng/L
Fe-Precon	54	399	1042	643.280912	1636819.4360	ng/L
Fe-Precon	56	7325	20034	12709.162749	1617733.7643	ng/L
Fe-Precon	57	238	556	318.031534	1683410.7505	ng/L
Co-Precon	59	54	41	-12.800012	8320.6475	ng/L
Ni-Precon	60	44	64	19.927472	32967.4533	ng/L
Cu-Precon	63	3458	169	-3288.667804	-164439.0512	ng/L
Cu-Precon	65	1593	72	-1520.860924	-168679.1588	ng/L
Zn-Precon	66	282	110	-171.340488	22785.4481	ng/L
Zn-Precon	68	286	86	-199.909998	-56579.0864	ng/L
Cd-Precon	111	5	1	-3.810881	5674.5420	ng/L
Cd-Precon	114	15	2	-13.438071	7337.5492	ng/L
Pb-Precon	208	284	288	4.922232	17224.6778	ng/L
Tb-Precon	159	37	24	-13.118661		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 06:03:46

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.090

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	170	-2250.923844	-42.5706	ng/L
Fe-Precon	54	399	929	529.840812	140.5384	ng/L
Fe-Precon	56	7325	18024	10698.816451	140.4515	ng/L
Fe-Precon	57	238	516	277.524430	150.8440	ng/L
Co-Precon	59	54	41	-12.706493	0.8329	ng/L
Ni-Precon	60	44	48	3.830355	2.5264	ng/L
Cu-Precon	63	3458	350	-3107.624843	-11.9804	ng/L
Cu-Precon	65	1593	168	-1425.338593	-11.7375	ng/L
Zn-Precon	66	282	356	74.822321	21.3892	ng/L
Zn-Precon	68	286	243	-43.597192	12.9900	ng/L
Cd-Precon	111	5	2	-3.258974	0.6031	ng/L
Cd-Precon	114	15	16	0.052795	1.0656	ng/L
Pb-Precon	208	284	555	271.171579	3.1574	ng/L
Tb-Precon	159	37	37	0.817329		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-09RE1

Sample Description: 10,000x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 06:16:57

Diluted To Volume (mL): 10000.00

Aliquot Volume (mL): 1

Autosampler Position: 139

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-09RE1.091

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	6292	3870.558656	1292231.3174	ng/L
Fe-Precon	54	399	1397	998.097839	2360700.7294	ng/L
Fe-Precon	56	7325	27108	19783.056903	2367996.2535	ng/L
Fe-Precon	57	238	721	482.944481	2395752.2231	ng/L
Co-Precon	59	54	56	1.368101	9610.9607	ng/L
Ni-Precon	60	44	196	152.228223	96279.7492	ng/L
Cu-Precon	63	3458	183	-3274.377856	-160915.9406	ng/L
Cu-Precon	65	1593	98	-1494.969517	-154773.0601	ng/L
Zn-Precon	66	282	153	-128.007691	56426.4658	ng/L
Zn-Precon	68	286	90	-196.152403	-52096.3176	ng/L
Cd-Precon	111	5	2	-3.230809	6049.4601	ng/L
Cd-Precon	114	15	4	-11.142945	7902.1800	ng/L
Pb-Precon	208	284	550	266.461875	31319.7981	ng/L
Tb-Precon	159	37	22	-14.247681		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Monday, December 31, 2012 06:30:08

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.092

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	250	-2170.740804	-40.3203	ng/L
Fe-Precon	54	399	778	378.922195	109.7487	ng/L
Fe-Precon	56	7325	14376	7050.464253	101.7568	ng/L
Fe-Precon	57	238	419	181.378368	109.3137	ng/L
Co-Precon	59	54	39	-14.964530	0.8124	ng/L
Ni-Precon	60	44	47	2.690939	2.4719	ng/L
Cu-Precon	63	3458	342	-3115.785187	-12.1816	ng/L
Cu-Precon	65	1593	157	-1436.064766	-12.3136	ng/L
Zn-Precon	66	282	322	40.048764	18.6896	ng/L
Zn-Precon	68	286	226	-60.412062	10.9840	ng/L
Cd-Precon	111	5	4	-0.696787	0.7687	ng/L
Cd-Precon	114	15	10	-5.048106	0.9402	ng/L
Pb-Precon	208	284	538	254.398516	3.0670	ng/L
Tb-Precon	159	37	33	-3.795689		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV5

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 06:43:20

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCV5.093

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	10301	7880.004061	241.7445	ng/L
Fe-Precon	54	399	2378	1979.124095	436.2146	ng/L
Fe-Precon	56	7325	46040	38715.206310	437.5954	ng/L
Fe-Precon	57	238	1209	971.101387	450.4346	ng/L
Co-Precon	59	54	11775	11721.335756	107.6968	ng/L
Ni-Precon	60	44	2130	2086.534146	102.1939	ng/L
Cu-Precon	63	3458	4894	1435.878467	100.0373	ng/L
Cu-Precon	65	1593	2305	711.340015	103.0221	ng/L
Zn-Precon	66	282	7415	7133.686840	569.3976	ng/L
Zn-Precon	68	286	4945	4658.573353	573.9537	ng/L
Cd-Precon	111	5	1652	1647.169831	107.2753	ng/L
Cd-Precon	114	15	4256	4240.675084	105.3905	ng/L
Pb-Precon	208	284	20338	20054.352904	109.7746	ng/L
Tb-Precon	159	37	18	-18.708302		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 06:56:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.094

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	333	-2088.069559	-38.0002	ng/L
Fe-Precon	54	399	831	432.105771	120.5990	ng/L
Fe-Precon	56	7325	16158	8832.925103	120.6617	ng/L
Fe-Precon	57	238	473	234.715059	132.3525	ng/L
Co-Precon	59	54	97	42.899687	1.3393	ng/L
Ni-Precon	60	44	70	25.621073	3.5692	ng/L
Cu-Precon	63	3458	828	-2629.310553	-0.1878	ng/L
Cu-Precon	65	1593	377	-1215.869617	-0.4870	ng/L
Zn-Precon	66	282	367	85.088793	22.1862	ng/L
Zn-Precon	68	286	266	-20.287469	15.7709	ng/L
Cd-Precon	111	5	5	-0.592363	0.7755	ng/L
Cd-Precon	114	15	19	3.079190	1.1401	ng/L
Pb-Precon	208	284	568	284.548451	3.2295	ng/L
Tb-Precon	159	37	40	3.338562		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB5

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 07:09:43

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCB5.095

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	144	-2276.985107	-43.3019	ng/L
Fe-Precon	54	399	195	-203.267189	-9.0269	ng/L
Fe-Precon	56	7325	3684	-3640.682740	-11.6343	ng/L
Fe-Precon	57	238	144	-94.267336	-9.7514	ng/L
Co-Precon	59	54	35	-19.307419	0.7728	ng/L
Ni-Precon	60	44	34	-10.226895	1.8537	ng/L
Cu-Precon	63	3458	2721	-737.184993	46.4615	ng/L
Cu-Precon	65	1593	1239	-354.292800	45.7877	ng/L
Zn-Precon	66	282	217	-64.900573	10.5419	ng/L
Zn-Precon	68	286	155	-131.471170	2.5068	ng/L
Cd-Precon	111	5	2	-3.140005	0.6108	ng/L
Cd-Precon	114	15	7	-7.960283	0.8685	ng/L
Pb-Precon	208	284	559	275.810000	3.1824	ng/L
Tb-Precon	159	37	14	-22.878005		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 07:22:55

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.096

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	136	-2284.725578	-43.5192	ng/L
Fe-Precon	54	399	577	178.076586	68.7731	ng/L
Fe-Precon	56	7325	11058	3732.789897	66.5693	ng/L
Fe-Precon	57	238	319	80.703779	65.8274	ng/L
Co-Precon	59	54	43	-11.109956	0.8475	ng/L
Ni-Precon	60	44	48	3.778392	2.5239	ng/L
Cu-Precon	63	3458	617	-2840.461543	-5.3936	ng/L
Cu-Precon	65	1593	290	-1303.671022	-5.2028	ng/L
Zn-Precon	66	282	342	60.236881	20.2568	ng/L
Zn-Precon	68	286	224	-62.808633	10.6981	ng/L
Cd-Precon	111	5	4	-1.007096	0.7487	ng/L
Cd-Precon	114	15	11	-4.253059	0.9597	ng/L
Pb-Precon	208	284	543	259.103264	3.0923	ng/L
Tb-Precon	159	37	36	-1.056280		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245005-19RE1

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 07:36:06

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 140

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245005-19RE1.097

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	11798	9377.235900	2837.6289	ng/L
Fe-Precon	54	399	13428	13028.890603	26905.3748	ng/L
Fe-Precon	56	7325	294776	287451.092823	30757.0678	ng/L
Fe-Precon	57	238	20590	20351.744841	88219.0349	ng/L
Co-Precon	59	54	2400	2345.671835	223.1105	ng/L
Ni-Precon	60	44	4348	4303.970368	2083.0888	ng/L
Cu-Precon	63	3458	10852	7394.312301	2469.3927	ng/L
Cu-Precon	65	1593	3690	2096.420130	1774.1379	ng/L
Zn-Precon	66	282	1139	857.715591	821.6836	ng/L
Zn-Precon	68	286	758	471.297508	744.1640	ng/L
Cd-Precon	111	5	-59	-64.559530	-33.5891	ng/L
Cd-Precon	114	15	-32	-47.045601	-0.9303	ng/L
Pb-Precon	208	284	17013	16729.881692	918.5806	ng/L
Tb-Precon	159	37	1068	1031.467812		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 07:49:17

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.098

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	245	-2175.627707	-40.4574	ng/L
Fe-Precon	54	399	1486	1086.830273	254.1729	ng/L
Fe-Precon	56	7325	29718	22393.169739	264.4827	ng/L
Fe-Precon	57	238	796	557.630971	271.8361	ng/L
Co-Precon	59	54	48	-5.658816	0.8971	ng/L
Ni-Precon	60	44	70	25.911933	3.5831	ng/L
Cu-Precon	63	3458	966	-2491.979365	3.1980	ng/L
Cu-Precon	65	1593	443	-1150.145833	3.0429	ng/L
Zn-Precon	66	282	357	75.017302	21.4043	ng/L
Zn-Precon	68	286	257	-29.052758	14.7252	ng/L
Cd-Precon	111	5	-6	-10.633113	0.1265	ng/L
Cd-Precon	114	15	-3	-18.491531	0.6094	ng/L
Pb-Precon	208	284	580	296.336521	3.2930	ng/L
Tb-Precon	159	37	104	67.661410		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122439-DUP2

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 08:02:28

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 141

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122439-DUP2.099

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	10471	8050.097011	2465.1798	ng/L
Fe-Precon	54	399	11897	11497.885657	23781.8884	ng/L
Fe-Precon	56	7325	280862	273537.377449	29281.3687	ng/L
Fe-Precon	57	238	28412	28173.786956	122006.3456	ng/L
Co-Precon	59	54	2207	2152.796342	205.5450	ng/L
Ni-Precon	60	44	5346	5301.783405	2560.5905	ng/L
Cu-Precon	63	3458	38173	34715.713844	9205.3386	ng/L
Cu-Precon	65	1593	3287	1693.961864	1557.9803	ng/L
Zn-Precon	66	282	1022	740.814368	730.9285	ng/L
Zn-Precon	68	286	699	412.926060	674.5275	ng/L
Cd-Precon	111	5	-37	-42.240541	-19.1637	ng/L
Cd-Precon	114	15	-27	-42.787870	0.1171	ng/L
Pb-Precon	208	284	13835	13551.332471	747.2795	ng/L
Tb-Precon	159	37	1199	1162.748528		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 08:15:39

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.100

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	241	-2180.008732	-40.5804	ng/L
Fe-Precon	54	399	1662	1262.931726	290.1003	ng/L
Fe-Precon	56	7325	31829	24503.997330	286.8703	ng/L
Fe-Precon	57	238	874	636.119058	305.7390	ng/L
Co-Precon	59	54	51	-3.424975	0.9174	ng/L
Ni-Precon	60	44	68	24.097215	3.4963	ng/L
Cu-Precon	63	3458	1013	-2445.236883	4.3504	ng/L
Cu-Precon	65	1593	471	-1122.601838	4.5223	ng/L
Zn-Precon	66	282	400	118.225832	24.7588	ng/L
Zn-Precon	68	286	270	-16.469110	16.2264	ng/L
Cd-Precon	111	5	-6	-11.582331	0.0652	ng/L
Cd-Precon	114	15	2	-13.632049	0.7290	ng/L
Pb-Precon	208	284	597	313.557481	3.3858	ng/L
Tb-Precon	159	37	122	85.396840		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122439-MS2

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 08:28:50

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 142

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122439-MS2.101

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	298468	296047.195495	83288.8785	ng/L
Fe-Precon	54	399	74797	74397.845838	152107.5151	ng/L
Fe-Precon	56	7325	1579148	1571823.307047	166978.5426	ng/L
Fe-Precon	57	238	60909	60670.915150	262377.6900	ng/L
Co-Precon	59	54	265527	265473.246203	24186.5688	ng/L
Ni-Precon	60	44	59776	59731.554152	28607.8632	ng/L
Cu-Precon	63	3458	139527	136069.457640	34193.5638	ng/L
Cu-Precon	65	1593	52301	50707.932870	27883.0507	ng/L
Zn-Precon	66	282	142489	142207.340390	110557.1616	ng/L
Zn-Precon	68	286	93124	92837.541354	110936.0605	ng/L
Cd-Precon	111	5	31719	31714.149416	20505.9449	ng/L
Cd-Precon	114	15	80581	80565.963437	19830.9149	ng/L
Pb-Precon	208	284	439340	439056.410557	23678.9666	ng/L
Tb-Precon	159	37	1211	1174.757793		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Monday, December 31, 2012 08:42:00

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.102

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	2938	516.602120	35.0975	ng/L
Fe-Precon	54	399	5291	4892.428198	1030.5736	ng/L
Fe-Precon	56	7325	102308	94982.815861	1034.3739	ng/L
Fe-Precon	57	238	2681	2442.567938	1086.0346	ng/L
Co-Precon	59	54	571	516.902369	5.6562	ng/L
Ni-Precon	60	44	447	403.517732	21.6534	ng/L
Cu-Precon	63	3458	9594	6136.115420	215.9191	ng/L
Cu-Precon	65	1593	4465	2872.088483	219.0744	ng/L
Zn-Precon	66	282	734	452.379051	50.7004	ng/L
Zn-Precon	68	286	499	212.863286	43.5855	ng/L
Cd-Precon	111	5	16	10.863467	1.5159	ng/L
Cd-Precon	114	15	48	32.361117	1.8605	ng/L
Pb-Precon	208	284	873	589.610136	4.8735	ng/L
Tb-Precon	159	37	110	73.663299		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122439-MSD2

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 08:55:11

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 143

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122439-MSD2.103

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	386505	384083.655486	107995.4897	ng/L
Fe-Precon	54	399	107380	106981.791578	218583.7934	ng/L
Fe-Precon	56	7325	2287634	2280309.059040	242121.0698	ng/L
Fe-Precon	57	238	54080	53841.723058	232878.9949	ng/L
Co-Precon	59	54	439618	439563.512803	40041.2539	ng/L
Ni-Precon	60	44	79956	79912.017205	38265.1890	ng/L
Cu-Precon	63	3458	182363	178904.890001	44754.4113	ng/L
Cu-Precon	65	1593	86799	85206.004603	46411.7304	ng/L
Zn-Precon	66	282	271982	271700.679037	211088.1211	ng/L
Zn-Precon	68	286	178603	178316.132138	212911.0639	ng/L
Cd-Precon	111	5	58127	58121.793761	37573.9985	ng/L
Cd-Precon	114	15	146477	146461.238558	36042.0068	ng/L
Pb-Precon	208	284	848398	848114.704085	45724.2893	ng/L
Tb-Precon	159	37	983	946.092215		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 09:08:22

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.104

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	3250	829.192699	43.8700	ng/L
Fe-Precon	54	399	5693	5294.151101	1112.5312	ng/L
Fe-Precon	56	7325	110413	103087.820487	1120.3362	ng/L
Fe-Precon	57	238	2880	2641.749344	1172.0710	ng/L
Co-Precon	59	54	725	671.290460	7.0622	ng/L
Ni-Precon	60	44	499	454.815765	24.1082	ng/L
Cu-Precon	63	3458	10549	7091.479257	239.4731	ng/L
Cu-Precon	65	1593	4882	3288.491444	241.4391	ng/L
Zn-Precon	66	282	877	595.157883	61.7849	ng/L
Zn-Precon	68	286	570	283.150501	51.9707	ng/L
Cd-Precon	111	5	43	38.208599	3.2833	ng/L
Cd-Precon	114	15	144	128.940333	4.2364	ng/L
Pb-Precon	208	284	1294	1010.860606	7.1438	ng/L
Tb-Precon	159	37	119	81.916302		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245005-20RE1

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 09:21:33

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 144

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245005-20RE1.105

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	13179	10758.209598	3225.1863	ng/L
Fe-Precon	54	399	8575	8176.672688	17006.1014	ng/L
Fe-Precon	56	7325	166538	159213.424873	17156.0851	ng/L
Fe-Precon	57	238	5055	4816.457760	21114.3627	ng/L
Co-Precon	59	54	2710	2656.241567	251.3946	ng/L
Ni-Precon	60	44	2549	2504.908541	1222.1509	ng/L
Cu-Precon	63	3458	9996	6538.079177	2258.2930	ng/L
Cu-Precon	65	1593	4708	3114.559519	2320.9736	ng/L
Zn-Precon	66	282	934	652.476123	662.3479	ng/L
Zn-Precon	68	286	603	316.335677	559.2962	ng/L
Cd-Precon	111	5	-13	-18.411930	-3.7626	ng/L
Cd-Precon	114	15	47	31.295589	18.3426	ng/L
Pb-Precon	208	284	23192	22908.434594	1251.5605	ng/L
Tb-Precon	159	37	945	908.550797		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 09:34:43

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.106

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	473	-1948.451075	-34.0819	ng/L
Fe-Precon	54	399	1721	1322.171691	302.1861	ng/L
Fe-Precon	56	7325	33628	26302.469791	305.9450	ng/L
Fe-Precon	57	238	923	684.473219	326.6256	ng/L
Co-Precon	59	54	64	9.638411	1.0364	ng/L
Ni-Precon	60	44	120	76.181219	5.9888	ng/L
Cu-Precon	63	3458	1816	-1641.502652	24.1661	ng/L
Cu-Precon	65	1593	848	-744.953168	24.8056	ng/L
Zn-Precon	66	282	398	116.071700	24.5915	ng/L
Zn-Precon	68	286	275	-11.656481	16.8005	ng/L
Cd-Precon	111	5	-2	-7.065594	0.3571	ng/L
Cd-Precon	114	15	2	-13.952714	0.7211	ng/L
Pb-Precon	208	284	654	370.096999	3.6905	ng/L
Tb-Precon	159	37	112	75.530059		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245005-21RE1

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 09:47:54

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 145

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245005-21RE1.107

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	13217	10795.556358	3235.6673	ng/L
Fe-Precon	54	399	9777	9378.050140	19457.0968	ng/L
Fe-Precon	56	7325	190856	183530.639026	19735.1869	ng/L
Fe-Precon	57	238	5664	5426.262012	23748.4122	ng/L
Co-Precon	59	54	2939	2884.614869	272.1930	ng/L
Ni-Precon	60	44	2500	2455.891441	1198.6938	ng/L
Cu-Precon	63	3458	11251	7792.946397	2567.6738	ng/L
Cu-Precon	65	1593	5218	3624.340269	2594.7734	ng/L
Zn-Precon	66	282	1034	752.577875	740.0610	ng/L
Zn-Precon	68	286	611	324.188741	568.6649	ng/L
Cd-Precon	111	5	-46	-50.738262	-24.6560	ng/L
Cd-Precon	114	15	36	20.945555	15.7964	ng/L
Pb-Precon	208	284	24262	23978.222859	1309.2145	ng/L
Tb-Precon	159	37	975	938.302202		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 10:01:04

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.108

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	342	-2078.687035	-37.7369	ng/L
Fe-Precon	54	399	1481	1081.954447	253.1781	ng/L
Fe-Precon	56	7325	28800	21474.624624	254.7405	ng/L
Fe-Precon	57	238	779	540.911049	264.6139	ng/L
Co-Precon	59	54	62	8.246221	1.0237	ng/L
Ni-Precon	60	44	88	44.391864	4.4675	ng/L
Cu-Precon	63	3458	1447	-2010.689193	15.0640	ng/L
Cu-Precon	65	1593	664	-928.689139	14.9372	ng/L
Zn-Precon	66	282	418	136.130538	26.1488	ng/L
Zn-Precon	68	286	289	2.992637	18.5481	ng/L
Cd-Precon	111	5	-4	-9.046999	0.2290	ng/L
Cd-Precon	114	15	-12	-26.998496	0.4002	ng/L
Pb-Precon	208	284	655	371.245170	3.6967	ng/L
Tb-Precon	159	37	114	77.462572		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245005-22RE1

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 10:14:15

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 146

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245005-22RE1.109

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	13042	10621.435118	3186.8018	ng/L
Fe-Precon	54	399	10247	9848.389472	20416.6616	ng/L
Fe-Precon	56	7325	198573	191247.979946	20553.6939	ng/L
Fe-Precon	57	238	5803	5564.622380	24346.0598	ng/L
Co-Precon	59	54	2896	2841.415511	268.2587	ng/L
Ni-Precon	60	44	2505	2460.973037	1201.1256	ng/L
Cu-Precon	63	3458	11067	7609.207321	2522.3740	ng/L
Cu-Precon	65	1593	5091	3498.171288	2527.0089	ng/L
Zn-Precon	66	282	1051	769.664354	753.3259	ng/L
Zn-Precon	68	286	677	390.268842	647.4977	ng/L
Cd-Precon	111	5	-37	-42.100616	-19.0733	ng/L
Cd-Precon	114	15	21	5.685083	12.0421	ng/L
Pb-Precon	208	284	24382	24098.600349	1315.7020	ng/L
Tb-Precon	159	37	963	926.343700		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 10:27:25

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.110

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	275	-2146.438222	-39.6383	ng/L
Fe-Precon	54	399	1652	1252.864661	288.0464	ng/L
Fe-Precon	56	7325	31668	24342.817754	285.1608	ng/L
Fe-Precon	57	238	863	624.653266	300.7863	ng/L
Co-Precon	59	54	76	21.396250	1.1435	ng/L
Ni-Precon	60	44	96	52.395543	4.8505	ng/L
Cu-Precon	63	3458	1465	-1993.062705	15.4985	ng/L
Cu-Precon	65	1593	675	-918.526458	15.4831	ng/L
Zn-Precon	66	282	398	116.685258	24.6392	ng/L
Zn-Precon	68	286	273	-13.740018	16.5520	ng/L
Cd-Precon	111	5	-8	-13.413198	-0.0532	ng/L
Cd-Precon	114	15	-6	-21.581009	0.5334	ng/L
Pb-Precon	208	284	652	368.968211	3.6844	ng/L
Tb-Precon	159	37	98	60.921966		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245005-23RE1

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 10:40:35

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 147

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245005-23RE1.111

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	13158	10736.868425	3219.1971	ng/L
Fe-Precon	54	399	8161	7762.008106	16160.1216	ng/L
Fe-Precon	56	7325	159997	152672.133798	16462.3108	ng/L
Fe-Precon	57	238	4611	4372.547800	19196.8937	ng/L
Co-Precon	59	54	2835	2780.394212	262.7014	ng/L
Ni-Precon	60	44	2494	2449.995958	1195.8725	ng/L
Cu-Precon	63	3458	10955	7496.785789	2494.6570	ng/L
Cu-Precon	65	1593	5084	3490.826203	2523.0639	ng/L
Zn-Precon	66	282	890	608.216942	627.9877	ng/L
Zn-Precon	68	286	595	308.600986	550.0688	ng/L
Cd-Precon	111	5	-30	-34.825057	-14.3709	ng/L
Cd-Precon	114	15	30	14.138024	14.1216	ng/L
Pb-Precon	208	284	24196	23912.203747	1305.6565	ng/L
Tb-Precon	159	37	942	905.277577		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 10:53:45

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.112

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	272	-2149.257355	-39.7174	ng/L
Fe-Precon	54	399	1459	1060.031984	248.7056	ng/L
Fe-Precon	56	7325	27994	20668.739528	246.1932	ng/L
Fe-Precon	57	238	753	514.600310	253.2490	ng/L
Co-Precon	59	54	61	7.044433	1.0128	ng/L
Ni-Precon	60	44	74	30.445361	3.8001	ng/L
Cu-Precon	63	3458	1265	-2192.914030	10.5713	ng/L
Cu-Precon	65	1593	600	-993.332184	11.4653	ng/L
Zn-Precon	66	282	428	146.743918	26.9727	ng/L
Zn-Precon	68	286	278	-7.962901	17.2412	ng/L
Cd-Precon	111	5	-8	-12.864142	-0.0177	ng/L
Cd-Precon	114	15	-3	-18.508879	0.6090	ng/L
Pb-Precon	208	284	625	341.538394	3.5366	ng/L
Tb-Precon	159	37	101	64.440666		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245005-24RE1

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 11:06:55

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 148

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245005-24RE1.113

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	18278	15856.617857	4656.0070	ng/L
Fe-Precon	54	399	1054485	1054086.464732	2150823.5021	ng/L
Fe-Precon	56	7325	21962875	21955550.209946	2328891.8188	ng/L
Fe-Precon	57	238	488646	488408.317274	2109989.3875	ng/L
Co-Precon	59	54	16780	16725.546865	1532.7093	ng/L
Ni-Precon	60	44	7197	7152.582576	3446.2872	ng/L
Cu-Precon	63	3458	3573	114.887636	674.6894	ng/L
Cu-Precon	65	1593	963	-629.751629	309.9296	ng/L
Zn-Precon	66	282	29146	28864.860946	22564.7727	ng/L
Zn-Precon	68	286	19217	18930.212118	22765.4428	ng/L
Cd-Precon	111	5	450	445.073198	295.8018	ng/L
Cd-Precon	114	15	1106	1090.266677	278.8632	ng/L
Pb-Precon	208	284	191152	190868.558170	10303.4125	ng/L
Tb-Precon	159	37	1674	1637.402749		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 11:20:07

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.114

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	256	-2164.936237	-40.1574	ng/L
Fe-Precon	54	399	4028	3629.075586	772.8301	ng/L
Fe-Precon	56	7325	77906	70581.075555	775.5672	ng/L
Fe-Precon	57	238	2050	1812.288600	813.7854	ng/L
Co-Precon	59	54	71	16.544128	1.0993	ng/L
Ni-Precon	60	44	97	53.358229	4.8966	ng/L
Cu-Precon	63	3458	791	-2666.542379	-1.1057	ng/L
Cu-Precon	65	1593	311	-1281.785965	-4.0274	ng/L
Zn-Precon	66	282	440	158.441701	27.8809	ng/L
Zn-Precon	68	286	277	-9.728609	17.0305	ng/L
Cd-Precon	111	5	4	-1.389816	0.7239	ng/L
Cd-Precon	114	15	15	-0.843048	1.0436	ng/L
Pb-Precon	208	284	692	408.253951	3.8961	ng/L
Tb-Precon	159	37	46	8.980159		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245005-25RE1

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 11:33:18

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 149

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245005-25RE1.115

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	12909	10488.303900	3149.4398	ng/L
Fe-Precon	54	399	9332	8933.356488	18549.8531	ng/L
Fe-Precon	56	7325	212846	205520.560773	22067.4544	ng/L
Fe-Precon	57	238	18384	18146.133586	78691.8971	ng/L
Co-Precon	59	54	2978	2924.022479	275.7819	ng/L
Ni-Precon	60	44	4522	4478.141752	2166.4382	ng/L
Cu-Precon	63	3458	10827	7369.331549	2463.2339	ng/L
Cu-Precon	65	1593	4645	3051.826642	2287.2802	ng/L
Zn-Precon	66	282	876	594.182488	617.0922	ng/L
Zn-Precon	68	286	582	295.901155	534.9181	ng/L
Cd-Precon	111	5	-35	-40.179137	-17.8314	ng/L
Cd-Precon	114	15	-7	-22.268729	5.1651	ng/L
Pb-Precon	208	284	20933	20649.707392	1129.8313	ng/L
Tb-Precon	159	37	1006	969.750572		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 11:46:29

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.116

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	284	-2136.789396	-39.3675	ng/L
Fe-Precon	54	399	1855	1456.490699	329.5893	ng/L
Fe-Precon	56	7325	36426	29100.543492	335.6216	ng/L
Fe-Precon	57	238	980	741.850435	351.4096	ng/L
Co-Precon	59	54	54	0.183717	0.9503	ng/L
Ni-Precon	60	44	84	40.055857	4.2600	ng/L
Cu-Precon	63	3458	1274	-2184.155662	10.7873	ng/L
Cu-Precon	65	1593	556	-1036.712045	9.1354	ng/L
Zn-Precon	66	282	430	148.228200	27.0880	ng/L
Zn-Precon	68	286	300	13.316776	19.7798	ng/L
Cd-Precon	111	5	-5	-9.747385	0.1838	ng/L
Cd-Precon	114	15	-2	-17.187452	0.6415	ng/L
Pb-Precon	208	284	607	323.222126	3.4379	ng/L
Tb-Precon	159	37	105	68.603560		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV6

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 11:59:41

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCV6.117

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	11805	9383.971904	283.9519	ng/L
Fe-Precon	54	399	2787	2388.631037	519.7603	ng/L
Fe-Precon	56	7325	54022	46696.598575	522.2467	ng/L
Fe-Precon	57	238	1454	1215.474999	555.9918	ng/L
Co-Precon	59	54	13955	13901.213985	127.5493	ng/L
Ni-Precon	60	44	2473	2428.891604	118.5773	ng/L
Cu-Precon	63	3458	5683	2225.701884	119.5099	ng/L
Cu-Precon	65	1593	2624	1030.805146	120.1803	ng/L
Zn-Precon	66	282	8955	8673.216474	688.9176	ng/L
Zn-Precon	68	286	5868	5581.261665	684.0294	ng/L
Cd-Precon	111	5	1907	1901.435505	123.7093	ng/L
Cd-Precon	114	15	4836	4820.741248	119.6608	ng/L
Pb-Precon	208	284	22674	22390.765281	122.3662	ng/L
Tb-Precon	159	37	31	-5.738530		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 12:12:52

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.118

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	369	-2051.644503	-36.9780	ng/L
Fe-Precon	54	399	1100	701.267627	175.5121	ng/L
Fe-Precon	56	7325	21375	14049.612291	175.9903	ng/L
Fe-Precon	57	238	613	374.431737	192.7031	ng/L
Co-Precon	59	54	115	60.635325	1.5009	ng/L
Ni-Precon	60	44	90	45.881095	4.5388	ng/L
Cu-Precon	63	3458	1153	-2304.839921	7.8118	ng/L
Cu-Precon	65	1593	528	-1065.549808	7.5865	ng/L
Zn-Precon	66	282	444	162.386326	28.1871	ng/L
Zn-Precon	68	286	304	17.167902	20.2392	ng/L
Cd-Precon	111	5	7	1.498795	0.9106	ng/L
Cd-Precon	114	15	18	3.023558	1.1387	ng/L
Pb-Precon	208	284	647	363.011548	3.6523	ng/L
Tb-Precon	159	37	43	6.206118		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB6

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 12:26:04

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCB6.119

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	131	-2290.498777	-43.6812	ng/L
Fe-Precon	54	399	230	-168.844846	-2.0042	ng/L
Fe-Precon	56	7325	4415	-2909.837724	-3.8829	ng/L
Fe-Precon	57	238	172	-65.992950	2.4617	ng/L
Co-Precon	59	54	36	-18.559370	0.7796	ng/L
Ni-Precon	60	44	33	-11.276242	1.8035	ng/L
Cu-Precon	63	3458	3008	-449.652205	53.5505	ng/L
Cu-Precon	65	1593	1389	-203.910361	53.8646	ng/L
Zn-Precon	66	282	256	-25.149060	13.6280	ng/L
Zn-Precon	68	286	194	-92.206841	7.1910	ng/L
Cd-Precon	111	5	2	-3.079101	0.6148	ng/L
Cd-Precon	114	15	8	-7.744233	0.8738	ng/L
Pb-Precon	208	284	577	293.160470	3.2759	ng/L
Tb-Precon	159	37	21	-15.743788		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 12:39:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.120

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	125	-2295.860057	-43.8317	ng/L
Fe-Precon	54	399	710	311.461818	95.9857	ng/L
Fe-Precon	56	7325	13917	6592.003890	96.8943	ng/L
Fe-Precon	57	238	407	168.685464	103.8310	ng/L
Co-Precon	59	54	44	-9.953193	0.8580	ng/L
Ni-Precon	60	44	60	15.761197	3.0974	ng/L
Cu-Precon	63	3458	802	-2655.331337	-0.8293	ng/L
Cu-Precon	65	1593	379	-1214.581227	-0.4178	ng/L
Zn-Precon	66	282	387	105.366450	23.7604	ng/L
Zn-Precon	68	286	280	-6.388196	17.4290	ng/L
Cd-Precon	111	5	4	-1.466359	0.7190	ng/L
Cd-Precon	114	15	13	-1.963881	1.0160	ng/L
Pb-Precon	208	284	606	322.842539	3.4358	ng/L
Tb-Precon	159	37	36	-1.125531		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245020-04RE1

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 12:52:27

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 150

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245020-04RE1.121

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	14003	11581.887602	3456.3438	ng/L
Fe-Precon	54	399	8457	8058.329960	16764.6639	ng/L
Fe-Precon	56	7325	179046	171721.150581	18482.6638	ng/L
Fe-Precon	57	238	10525	10286.658567	44742.8950	ng/L
Co-Precon	59	54	2212	2158.260775	206.0427	ng/L
Ni-Precon	60	44	5398	5353.849521	2585.5066	ng/L
Cu-Precon	63	3458	7165	3707.327635	1560.3863	ng/L
Cu-Precon	65	1593	3366	1773.088747	1600.4788	ng/L
Zn-Precon	66	282	3229	2947.561631	2444.1164	ng/L
Zn-Precon	68	286	2129	1842.179293	2379.6106	ng/L
Cd-Precon	111	5	-24	-28.823326	-10.4918	ng/L
Cd-Precon	114	15	-8	-23.927371	4.7570	ng/L
Pb-Precon	208	284	8985	8701.362746	485.9008	ng/L
Tb-Precon	159	37	462	425.781564		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 13:05:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.122

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	288	-2132.882654	-39.2578	ng/L
Fe-Precon	54	399	1286	887.758483	213.5591	ng/L
Fe-Precon	56	7325	24580	17254.550890	209.9821	ng/L
Fe-Precon	57	238	668	429.451405	216.4689	ng/L
Co-Precon	59	54	56	2.233908	0.9690	ng/L
Ni-Precon	60	44	97	53.382480	4.8977	ng/L
Cu-Precon	63	3458	945	-2512.877623	2.6828	ng/L
Cu-Precon	65	1593	423	-1169.735467	1.9908	ng/L
Zn-Precon	66	282	416	134.022863	25.9851	ng/L
Zn-Precon	68	286	285	-1.802882	17.9760	ng/L
Cd-Precon	111	5	0	-4.813686	0.5026	ng/L
Cd-Precon	114	15	6	-9.769700	0.8240	ng/L
Pb-Precon	208	284	584	300.359601	3.3147	ng/L
Tb-Precon	159	37	57	20.308415		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122439-DUP3

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 13:18:49

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 151

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122439-DUP3.123

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	14037	11615.971608	3465.9092	ng/L
Fe-Precon	54	399	8439	8040.786929	16728.8734	ng/L
Fe-Precon	56	7325	177831	170505.604880	18353.7421	ng/L
Fe-Precon	57	238	10916	10678.136072	46433.8820	ng/L
Co-Precon	59	54	2137	2083.280007	199.2141	ng/L
Ni-Precon	60	44	5427	5382.642859	2599.2856	ng/L
Cu-Precon	63	3458	6898	3439.745254	1494.4153	ng/L
Cu-Precon	65	1593	3339	1745.909244	1585.8809	ng/L
Zn-Precon	66	282	2870	2588.846013	2165.6308	ng/L
Zn-Precon	68	286	1954	1667.105867	2170.7500	ng/L
Cd-Precon	111	5	-14	-19.296194	-4.3341	ng/L
Cd-Precon	114	15	4	-11.370193	7.8463	ng/L
Pb-Precon	208	284	8763	8479.146396	473.9249	ng/L
Tb-Precon	159	37	490	453.368158		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 13:32:00

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.124

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	291	-2129.779512	-39.1708	ng/L
Fe-Precon	54	399	1282	882.948599	212.5779	ng/L
Fe-Precon	56	7325	24484	17158.732195	208.9658	ng/L
Fe-Precon	57	238	696	458.400186	228.9733	ng/L
Co-Precon	59	54	51	-2.985174	0.9215	ng/L
Ni-Precon	60	44	90	46.081950	4.5484	ng/L
Cu-Precon	63	3458	937	-2520.950993	2.4837	ng/L
Cu-Precon	65	1593	441	-1152.126622	2.9366	ng/L
Zn-Precon	66	282	414	132.020193	25.8297	ng/L
Zn-Precon	68	286	287	0.801535	18.2868	ng/L
Cd-Precon	111	5	-2	-7.319168	0.3407	ng/L
Cd-Precon	114	15	8	-7.927409	0.8693	ng/L
Pb-Precon	208	284	578	294.248335	3.2817	ng/L
Tb-Precon	159	37	54	17.634803		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122439-MS3

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 13:45:11

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 152

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122439-MS3.125

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	366344	363923.374190	102337.6948	ng/L
Fe-Precon	54	399	91397	90997.929376	185974.2476	ng/L
Fe-Precon	56	7325	1947710	1940384.472146	206068.4146	ng/L
Fe-Precon	57	238	53075	52837.280487	228540.3053	ng/L
Co-Precon	59	54	410067	410012.817622	37350.0238	ng/L
Ni-Precon	60	44	78563	78518.735409	37598.4364	ng/L
Cu-Precon	63	3458	164623	161164.797091	40380.6859	ng/L
Cu-Precon	65	1593	77574	75981.143880	41457.1204	ng/L
Zn-Precon	66	282	257276	256994.141507	199670.8362	ng/L
Zn-Precon	68	286	169428	169141.586932	201965.9340	ng/L
Cd-Precon	111	5	53525	53520.358267	34599.9525	ng/L
Cd-Precon	114	15	133669	133653.265079	32891.0792	ng/L
Pb-Precon	208	284	700185	699901.737374	37736.6681	ng/L
Tb-Precon	159	37	476	438.918409		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 13:58:22

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.126

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	3859	1437.968504	60.9548	ng/L
Fe-Precon	54	399	5733	5334.179823	1120.6977	ng/L
Fe-Precon	56	7325	112169	104843.595790	1138.9580	ng/L
Fe-Precon	57	238	2910	2672.389241	1185.3059	ng/L
Co-Precon	59	54	961	906.435365	9.2037	ng/L
Ni-Precon	60	44	538	494.521748	26.0084	ng/L
Cu-Precon	63	3458	11832	8374.327771	271.1010	ng/L
Cu-Precon	65	1593	5601	4008.009640	280.0840	ng/L
Zn-Precon	66	282	1059	777.621045	75.9503	ng/L
Zn-Precon	68	286	734	447.198140	71.5414	ng/L
Cd-Precon	111	5	49	43.699171	3.6382	ng/L
Cd-Precon	114	15	117	101.045002	3.5502	ng/L
Pb-Precon	208	284	1674	1390.307528	9.1887	ng/L
Tb-Precon	159	37	60	23.671251		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122439-MSD3

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 14:11:33

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 153

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122439-MSD3.127

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	364635	362214.168641	101858.0222	ng/L
Fe-Precon	54	399	91824	91425.229555	186846.0059	ng/L
Fe-Precon	56	7325	1943471	1936146.201180	205618.9004	ng/L
Fe-Precon	57	238	52257	52018.890270	225005.2687	ng/L
Co-Precon	59	54	399639	399585.128006	36400.3571	ng/L
Ni-Precon	60	44	77419	77375.136323	37051.1690	ng/L
Cu-Precon	63	3458	163289	159831.025870	40051.8517	ng/L
Cu-Precon	65	1593	77489	75895.860322	41411.3152	ng/L
Zn-Precon	66	282	254047	253765.261853	197164.1253	ng/L
Zn-Precon	68	286	167957	167670.230862	200210.6226	ng/L
Cd-Precon	111	5	53003	52998.292801	34262.5259	ng/L
Cd-Precon	114	15	133325	133309.699044	32806.5575	ng/L
Pb-Precon	208	284	697627	697343.597067	37598.8026	ng/L
Tb-Precon	159	37	520	483.056821		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Monday, December 31, 2012 14:24:44

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.128

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	3788	1366.616157	58.9523	ng/L
Fe-Precon	54	399	5845	5445.950383	1143.5006	ng/L
Fe-Precon	56	7325	113211	105886.274539	1150.0168	ng/L
Fe-Precon	57	238	2974	2735.842931	1212.7147	ng/L
Co-Precon	59	54	879	824.388044	8.4565	ng/L
Ni-Precon	60	44	564	520.016633	27.2284	ng/L
Cu-Precon	63	3458	11639	8181.485056	266.3466	ng/L
Cu-Precon	65	1593	5443	3850.233101	271.6099	ng/L
Zn-Precon	66	282	1004	722.631859	71.6813	ng/L
Zn-Precon	68	286	646	359.837876	61.1194	ng/L
Cd-Precon	111	5	39	34.133546	3.0199	ng/L
Cd-Precon	114	15	112	96.986997	3.4504	ng/L
Pb-Precon	208	284	1311	1027.402950	7.2329	ng/L
Tb-Precon	159	37	63	26.808934		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245020-08RE1

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 14:37:55

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 154

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245020-08RE1.129

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	13147	10725.881667	3216.1138	ng/L
Fe-Precon	54	399	9093	8694.506538	18062.5623	ng/L
Fe-Precon	56	7325	194796	187470.616149	20153.0638	ng/L
Fe-Precon	57	238	12110	11871.488053	51588.5659	ng/L
Co-Precon	59	54	2320	2265.912731	215.8467	ng/L
Ni-Precon	60	44	5655	5611.350061	2708.7331	ng/L
Cu-Precon	63	3458	6437	2979.347637	1380.9067	ng/L
Cu-Precon	65	1593	3077	1483.751736	1445.0779	ng/L
Zn-Precon	66	282	3616	3333.998520	2744.1231	ng/L
Zn-Precon	68	286	2393	2107.008281	2695.5486	ng/L
Cd-Precon	111	5	-20	-25.042589	-8.0481	ng/L
Cd-Precon	114	15	-12	-27.221206	3.9467	ng/L
Pb-Precon	208	284	8773	8489.188590	474.4661	ng/L
Tb-Precon	159	37	478	441.560887		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 14:51:05

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.130

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	502	-1919.184626	-33.2606	ng/L
Fe-Precon	54	399	1754	1355.686414	309.0237	ng/L
Fe-Precon	56	7325	34283	26958.277929	312.9006	ng/L
Fe-Precon	57	238	950	712.246103	338.6221	ng/L
Co-Precon	59	54	83	29.254354	1.2151	ng/L
Ni-Precon	60	44	146	102.540243	7.2502	ng/L
Cu-Precon	63	3458	1673	-1785.236311	20.6224	ng/L
Cu-Precon	65	1593	804	-789.589317	22.4082	ng/L
Zn-Precon	66	282	440	158.007933	27.8472	ng/L
Zn-Precon	68	286	303	16.516279	20.1615	ng/L
Cd-Precon	111	5	-3	-8.220390	0.2825	ng/L
Cd-Precon	114	15	5	-10.946054	0.7951	ng/L
Pb-Precon	208	284	570	286.900140	3.2421	ng/L
Tb-Precon	159	37	68	31.518930		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245020-12RE1

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 15:04:16

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 155

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245020-12RE1.131

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	15041	12619.503355	3747.5410	ng/L
Fe-Precon	54	399	9390	8991.597790	18668.6743	ng/L
Fe-Precon	56	7325	200179	192853.794866	20724.0078	ng/L
Fe-Precon	57	238	11497	11259.237317	48943.9489	ng/L
Co-Precon	59	54	2342	2287.971545	217.8557	ng/L
Ni-Precon	60	44	5462	5418.418483	2616.4060	ng/L
Cu-Precon	63	3458	7736	4278.188289	1701.1290	ng/L
Cu-Precon	65	1593	3675	2082.291914	1766.5497	ng/L
Zn-Precon	66	282	3145	2863.188788	2378.6143	ng/L
Zn-Precon	68	286	2051	1764.583137	2287.0393	ng/L
Cd-Precon	111	5	-25	-29.882368	-11.1762	ng/L
Cd-Precon	114	15	7	-8.684433	8.5070	ng/L
Pb-Precon	208	284	9743	9458.990441	526.7315	ng/L
Tb-Precon	159	37	498	461.749889		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 15:17:27

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.132

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	397	-2024.189756	-36.2075	ng/L
Fe-Precon	54	399	1613	1214.494405	280.2183	ng/L
Fe-Precon	56	7325	30614	23289.446868	273.9887	ng/L
Fe-Precon	57	238	866	627.506702	302.0189	ng/L
Co-Precon	59	54	65	11.131074	1.0500	ng/L
Ni-Precon	60	44	105	61.018949	5.2632	ng/L
Cu-Precon	63	3458	1338	-2120.241976	12.3630	ng/L
Cu-Precon	65	1593	633	-959.730575	13.2700	ng/L
Zn-Precon	66	282	415	133.743971	25.9635	ng/L
Zn-Precon	68	286	301	14.250628	19.8912	ng/L
Cd-Precon	111	5	1	-4.268535	0.5379	ng/L
Cd-Precon	114	15	12	-3.244530	0.9845	ng/L
Pb-Precon	208	284	563	279.696004	3.2033	ng/L
Tb-Precon	159	37	65	28.363928		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245020-16RE1

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Monday, December 31, 2012 15:30:37

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 156

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245020-16RE1.133

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	12912	10491.102222	3150.2251	ng/L
Fe-Precon	54	399	18680	18281.001936	37620.4925	ng/L
Fe-Precon	56	7325	361613	354288.411932	37845.8837	ng/L
Fe-Precon	57	238	9434	9196.322776	40033.1895	ng/L
Co-Precon	59	54	2265	2211.289062	210.8721	ng/L
Ni-Precon	60	44	4586	4542.220612	2197.1030	ng/L
Cu-Precon	63	3458	6927	3469.424138	1501.7325	ng/L
Cu-Precon	65	1593	3261	1668.043183	1544.0595	ng/L
Zn-Precon	66	282	4405	4123.760423	3357.2474	ng/L
Zn-Precon	68	286	2907	2620.635742	3308.3005	ng/L
Cd-Precon	111	5	-18	-22.868276	-6.6428	ng/L
Cd-Precon	114	15	-8	-23.530047	4.8548	ng/L
Pb-Precon	208	284	11627	11343.083868	628.2707	ng/L
Tb-Precon	159	37	470	433.086409		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 15:43:48

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.134

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	301	-2119.832542	-38.8916	ng/L
Fe-Precon	54	399	1922	1523.626842	343.2861	ng/L
Fe-Precon	56	7325	37421	30096.335697	346.1830	ng/L
Fe-Precon	57	238	1019	780.532276	368.1183	ng/L
Co-Precon	59	54	62	7.882494	1.0204	ng/L
Ni-Precon	60	44	95	51.259514	4.7961	ng/L
Cu-Precon	63	3458	1113	-2344.908899	6.8240	ng/L
Cu-Precon	65	1593	490	-1102.864799	5.5824	ng/L
Zn-Precon	66	282	396	114.428400	24.4639	ng/L
Zn-Precon	68	286	286	-0.400368	18.1434	ng/L
Cd-Precon	111	5	-3	-8.204999	0.2834	ng/L
Cd-Precon	114	15	9	-6.485461	0.9048	ng/L
Pb-Precon	208	284	535	251.015017	3.0487	ng/L
Tb-Precon	159	37	68	30.874779		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV7

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 15:56:59

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCV7.135

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	56167	53746.443771	1528.9433	ng/L
Fe-Precon	54	399	12287	11888.691359	2457.9192	ng/L
Fe-Precon	56	7325	236340	229014.547270	2455.9244	ng/L
Fe-Precon	57	238	6156	5917.459885	2587.0141	ng/L
Co-Precon	59	54	67924	67869.469705	619.0470	ng/L
Ni-Precon	60	44	11739	11694.639522	561.9881	ng/L
Cu-Precon	63	3458	25264	21806.383522	602.2612	ng/L
Cu-Precon	65	1593	11917	10323.914816	619.3069	ng/L
Zn-Precon	66	282	43510	43228.676408	3371.5988	ng/L
Zn-Precon	68	286	28579	28292.556978	3393.4616	ng/L
Cd-Precon	111	5	9492	9486.987610	613.9863	ng/L
Cd-Precon	114	15	23843	23827.356789	587.2482	ng/L
Pb-Precon	208	284	109331	109047.103045	589.3820	ng/L
Tb-Precon	159	37	28	-8.817331		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 16:10:11

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.136

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1442	-979.283527	-6.8832	ng/L
Fe-Precon	54	399	2585	2186.634696	478.5499	ng/L
Fe-Precon	56	7325	50060	42735.420934	480.2341	ng/L
Fe-Precon	57	238	1325	1086.621847	500.3337	ng/L
Co-Precon	59	54	464	409.872840	4.6814	ng/L
Ni-Precon	60	44	216	171.803069	10.5647	ng/L
Cu-Precon	63	3458	4593	1135.584526	92.6337	ng/L
Cu-Precon	65	1593	2110	517.145908	92.5920	ng/L
Zn-Precon	66	282	701	419.649128	48.1595	ng/L
Zn-Precon	68	286	469	182.242355	39.9324	ng/L
Cd-Precon	111	5	21	15.845154	1.8379	ng/L
Cd-Precon	114	15	49	33.412727	1.8863	ng/L
Pb-Precon	208	284	836	552.699078	4.6746	ng/L
Tb-Precon	159	37	39	2.008692		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB7

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 16:23:23

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCB7.137

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	337	-2083.950589	-37.8846	ng/L
Fe-Precon	54	399	336	-63.041756	19.5812	ng/L
Fe-Precon	56	7325	6214	-1111.136526	15.1943	ng/L
Fe-Precon	57	238	207	-30.833245	17.6489	ng/L
Co-Precon	59	54	55	1.177614	0.9594	ng/L
Ni-Precon	60	44	49	4.841636	2.5748	ng/L
Cu-Precon	63	3458	3206	-251.622691	58.4328	ng/L
Cu-Precon	65	1593	1428	-164.826939	55.9637	ng/L
Zn-Precon	66	282	245	-36.582716	12.7403	ng/L
Zn-Precon	68	286	191	-95.333775	6.8179	ng/L
Cd-Precon	111	5	4	-1.312416	0.7289	ng/L
Cd-Precon	114	15	9	-6.680595	0.9000	ng/L
Pb-Precon	208	284	533	249.257550	3.0393	ng/L
Tb-Precon	159	37	20	-17.174095		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 16:36:34

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.138

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	221	-2199.929632	-41.1395	ng/L
Fe-Precon	54	399	823	424.711618	119.0904	ng/L
Fe-Precon	56	7325	16334	9008.540665	122.5243	ng/L
Fe-Precon	57	238	455	216.571071	124.5152	ng/L
Co-Precon	59	54	53	-0.765268	0.9417	ng/L
Ni-Precon	60	44	76	31.660954	3.8582	ng/L
Cu-Precon	63	3458	1069	-2388.280957	5.7547	ng/L
Cu-Precon	65	1593	525	-1067.749019	7.4684	ng/L
Zn-Precon	66	282	395	113.192430	24.3680	ng/L
Zn-Precon	68	286	276	-9.921671	17.0075	ng/L
Cd-Precon	111	5	3	-1.898268	0.6911	ng/L
Cd-Precon	114	15	12	-3.053029	0.9892	ng/L
Pb-Precon	208	284	554	270.676438	3.1547	ng/L
Tb-Precon	159	37	31	-5.953255		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122441-BLK1

Sample Description:

Batch ID: B122441

Sample Date/Time: Monday, December 31, 2012 16:49:44

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 209

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122441-BLK1.139

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	370	-2050.981906	-36.9594	ng/L
Fe-Precon	54	399	776	377.023900	109.3614	ng/L
Fe-Precon	56	7325	14719	7394.374116	105.4043	ng/L
Fe-Precon	57	238	436	198.260932	116.6062	ng/L
Co-Precon	59	54	44	-10.479649	0.8532	ng/L
Ni-Precon	60	44	73	28.575231	3.7106	ng/L
Cu-Precon	63	3458	576	-2881.512921	-6.4057	ng/L
Cu-Precon	65	1593	263	-1330.433534	-6.6402	ng/L
Zn-Precon	66	282	301	19.011852	17.0564	ng/L
Zn-Precon	68	286	202	-84.323302	8.1315	ng/L
Cd-Precon	111	5	2	-3.051444	0.6165	ng/L
Cd-Precon	114	15	6	-9.181282	0.8385	ng/L
Pb-Precon	208	284	444	160.060949	2.5586	ng/L
Tb-Precon	159	37	20	-16.852017		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 17:02:54

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.140

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	149	-2271.959805	-43.1609	ng/L
Fe-Precon	54	399	675	276.003143	88.7516	ng/L
Fe-Precon	56	7325	12929	5604.407831	86.4198	ng/L
Fe-Precon	57	238	391	152.556404	96.8641	ng/L
Co-Precon	59	54	47	-6.815550	0.8866	ng/L
Ni-Precon	60	44	70	25.683403	3.5722	ng/L
Cu-Precon	63	3458	534	-2923.422190	-7.4390	ng/L
Cu-Precon	65	1593	256	-1337.398748	-7.0143	ng/L
Zn-Precon	66	282	400	118.593601	24.7873	ng/L
Zn-Precon	68	286	286	-0.732219	18.1038	ng/L
Cd-Precon	111	5	5	0.135618	0.8225	ng/L
Cd-Precon	114	15	12	-2.978421	0.9911	ng/L
Pb-Precon	208	284	548	264.634850	3.1221	ng/L
Tb-Precon	159	37	34	-2.732459		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122441-BLK2

Sample Description:

Batch ID: B122441

Sample Date/Time: Monday, December 31, 2012 17:16:04

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 210

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122441-BLK2.141

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	342	-2078.808201	-37.7403	ng/L
Fe-Precon	54	399	581	182.412841	69.6577	ng/L
Fe-Precon	56	7325	11013	3688.039808	66.0947	ng/L
Fe-Precon	57	238	336	98.322529	73.4378	ng/L
Co-Precon	59	54	38	-16.280582	0.8004	ng/L
Ni-Precon	60	44	60	16.523103	3.1338	ng/L
Cu-Precon	63	3458	438	-3019.868139	-9.8168	ng/L
Cu-Precon	65	1593	206	-1387.525367	-9.7066	ng/L
Zn-Precon	66	282	304	22.227657	17.3060	ng/L
Zn-Precon	68	286	216	-70.841282	9.7398	ng/L
Cd-Precon	111	5	2	-3.148576	0.6103	ng/L
Cd-Precon	114	15	7	-8.085633	0.8654	ng/L
Pb-Precon	208	284	425	141.899588	2.4607	ng/L
Tb-Precon	159	37	19	-18.133401		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 17:29:14

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.142

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	117	-2304.244577	-44.0670	ng/L
Fe-Precon	54	399	580	181.145106	69.3991	ng/L
Fe-Precon	56	7325	11385	4060.069503	70.0404	ng/L
Fe-Precon	57	238	342	103.645702	75.7371	ng/L
Co-Precon	59	54	50	-4.619858	0.9066	ng/L
Ni-Precon	60	44	56	12.401858	2.9366	ng/L
Cu-Precon	63	3458	465	-2992.301000	-9.1371	ng/L
Cu-Precon	65	1593	213	-1379.884835	-9.2962	ng/L
Zn-Precon	66	282	387	105.674947	23.7844	ng/L
Zn-Precon	68	286	277	-9.588873	17.0472	ng/L
Cd-Precon	111	5	5	-0.227596	0.7991	ng/L
Cd-Precon	114	15	12	-3.577603	0.9763	ng/L
Pb-Precon	208	284	576	292.255084	3.2710	ng/L
Tb-Precon	159	37	28	-9.011285		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122441-BLK3

Sample Description:

Batch ID: B122441

Sample Date/Time: Monday, December 31, 2012 17:42:25

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 211

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122441-BLK3.143

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	410	-2010.741465	-35.8301	ng/L
Fe-Precon	54	399	436	37.176386	40.0273	ng/L
Fe-Precon	56	7325	8886	1561.052868	43.5357	ng/L
Fe-Precon	57	238	282	44.117014	50.0237	ng/L
Co-Precon	59	54	43	-11.290051	0.8458	ng/L
Ni-Precon	60	44	59	15.027006	3.0622	ng/L
Cu-Precon	63	3458	431	-3026.775795	-9.9871	ng/L
Cu-Precon	65	1593	193	-1399.986572	-10.3758	ng/L
Zn-Precon	66	282	363	81.491965	21.9070	ng/L
Zn-Precon	68	286	245	-41.362584	13.2566	ng/L
Cd-Precon	111	5	2	-2.779983	0.6341	ng/L
Cd-Precon	114	15	8	-7.482071	0.8803	ng/L
Pb-Precon	208	284	374	90.212612	2.1821	ng/L
Tb-Precon	159	37	12	-24.526496		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 17:55:35

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.144

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	100	-2321.346229	-44.5469	ng/L
Fe-Precon	54	399	527	128.478641	58.6543	ng/L
Fe-Precon	56	7325	10648	3323.098483	62.2241	ng/L
Fe-Precon	57	238	342	103.683714	75.7535	ng/L
Co-Precon	59	54	42	-11.986168	0.8395	ng/L
Ni-Precon	60	44	52	7.726482	2.7129	ng/L
Cu-Precon	63	3458	393	-3065.170934	-10.9337	ng/L
Cu-Precon	65	1593	185	-1408.319747	-10.8234	ng/L
Zn-Precon	66	282	403	121.426515	25.0072	ng/L
Zn-Precon	68	286	271	-15.216561	16.3758	ng/L
Cd-Precon	111	5	5	-0.172668	0.8026	ng/L
Cd-Precon	114	15	11	-4.434443	0.9553	ng/L
Pb-Precon	208	284	568	284.596506	3.2297	ng/L
Tb-Precon	159	37	24	-12.214766		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122441-BLK4

Sample Description:

Batch ID: B122441

Sample Date/Time: Monday, December 31, 2012 18:08:46

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 212

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122441-BLK4.145

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	213	-2207.597267	-41.3546	ng/L
Fe-Precon	54	399	348	-50.657000	22.1079	ng/L
Fe-Precon	56	7325	6745	-580.010917	20.8274	ng/L
Fe-Precon	57	238	213	-25.039233	20.1517	ng/L
Co-Precon	59	54	37	-17.537731	0.7889	ng/L
Ni-Precon	60	44	53	8.848590	2.7666	ng/L
Cu-Precon	63	3458	330	-3127.855985	-12.4792	ng/L
Cu-Precon	65	1593	137	-1456.037997	-13.3863	ng/L
Zn-Precon	66	282	317	35.529002	18.3387	ng/L
Zn-Precon	68	286	218	-68.353157	10.0367	ng/L
Cd-Precon	111	5	1	-4.326372	0.5341	ng/L
Cd-Precon	114	15	7	-8.095136	0.8652	ng/L
Pb-Precon	208	284	384	99.982803	2.2348	ng/L
Tb-Precon	159	37	16	-20.353326		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 18:21:57

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.146

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	160	-2260.621082	-42.8427	ng/L
Fe-Precon	54	399	2142	1743.632536	388.1707	ng/L
Fe-Precon	56	7325	41980	34655.093122	394.5336	ng/L
Fe-Precon	57	238	1127	888.662491	414.8251	ng/L
Co-Precon	59	54	58	3.446086	0.9800	ng/L
Ni-Precon	60	44	81	37.503452	4.1378	ng/L
Cu-Precon	63	3458	1284	-2173.515295	11.0496	ng/L
Cu-Precon	65	1593	603	-990.191395	11.6340	ng/L
Zn-Precon	66	282	415	133.716490	25.9614	ng/L
Zn-Precon	68	286	270	-16.294277	16.2472	ng/L
Cd-Precon	111	5	3	-1.934550	0.6887	ng/L
Cd-Precon	114	15	11	-4.629186	0.9505	ng/L
Pb-Precon	208	284	569	285.967169	3.2371	ng/L
Tb-Precon	159	37	30	-6.313433		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122441-BS1

Sample Description:

Batch ID: B122441

Sample Date/Time: Monday, December 31, 2012 18:35:08

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 213

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122441-BS1.147

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	137550	135128.509957	3812.8551	ng/L
Fe-Precon	54	399	585376	584977.038467	119376.7871	ng/L
Fe-Precon	56	7325	12954394	12947068.984476	137344.5582	ng/L
Fe-Precon	57	238	297700	297461.959948	128519.6602	ng/L
Co-Precon	59	54	268876	268822.065171	2449.1551	ng/L
Ni-Precon	60	44	97460	97415.813383	4664.1600	ng/L
Cu-Precon	63	3458	118410	114952.231396	2898.7224	ng/L
Cu-Precon	65	1593	54462	52868.636663	2904.3550	ng/L
Zn-Precon	66	282	69798	69516.000741	5412.3910	ng/L
Zn-Precon	68	286	45188	44901.116635	5374.8442	ng/L
Cd-Precon	111	5	3719	3713.953911	240.8578	ng/L
Cd-Precon	114	15	11029	11014.019489	272.0235	ng/L
Pb-Precon	208	284	108957	108673.149633	587.3667	ng/L
Tb-Precon	159	37	151	114.280630		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 18:48:19

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.148

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	725	-1695.861104	-26.9932	ng/L
Fe-Precon	54	399	9716	9317.014185	1933.2574	ng/L
Fe-Precon	56	7325	189119	181793.656581	1955.0961	ng/L
Fe-Precon	57	238	5029	4790.959677	2100.4224	ng/L
Co-Precon	59	54	292	237.660239	3.1130	ng/L
Ni-Precon	60	44	345	301.329681	16.7632	ng/L
Cu-Precon	63	3458	2533	-924.705706	41.8383	ng/L
Cu-Precon	65	1593	1096	-496.810111	38.1332	ng/L
Zn-Precon	66	282	500	218.538253	32.5464	ng/L
Zn-Precon	68	286	350	63.863296	25.8100	ng/L
Cd-Precon	111	5	5	-0.172908	0.8026	ng/L
Cd-Precon	114	15	162	146.769632	4.6751	ng/L
Pb-Precon	208	284	702	418.316351	3.9504	ng/L
Tb-Precon	159	37	38	1.423397		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-01RE1

Sample Description:

Batch ID: B122441

Sample Date/Time: Monday, December 31, 2012 19:01:29

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 214

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1247017-01RE1.149

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	200723	198302.432315	5585.7723	ng/L
Fe-Precon	54	399	312197	311798.630232	63644.1756	ng/L
Fe-Precon	56	7325	6803625	6796299.908625	72109.0427	ng/L
Fe-Precon	57	238	158513	158275.102663	68397.8975	ng/L
Co-Precon	59	54	27719	27664.804368	252.8965	ng/L
Ni-Precon	60	44	83252	83208.393816	3984.2664	ng/L
Cu-Precon	63	3458	160654	157196.501540	3940.2324	ng/L
Cu-Precon	65	1593	76533	74939.472458	4089.7646	ng/L
Zn-Precon	66	282	13712	13430.673304	1058.2583	ng/L
Zn-Precon	68	286	8353	8066.788381	980.5500	ng/L
Cd-Precon	111	5	1804	1798.857339	117.0793	ng/L
Cd-Precon	114	15	4649	4633.938475	115.0652	ng/L
Pb-Precon	208	284	12292	12008.750887	66.4145	ng/L
Tb-Precon	159	37	1757	1720.030344		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 19:14:40

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.150

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1596	-824.814380	-2.5481	ng/L
Fe-Precon	54	399	10384	9984.886894	2069.5137	ng/L
Fe-Precon	56	7325	202647	195321.894679	2098.5776	ng/L
Fe-Precon	57	238	5325	5086.885009	2228.2473	ng/L
Co-Precon	59	54	90	35.578254	1.2727	ng/L
Ni-Precon	60	44	385	340.937313	18.6586	ng/L
Cu-Precon	63	3458	6882	3423.868668	149.0501	ng/L
Cu-Precon	65	1593	3138	1544.881914	147.7910	ng/L
Zn-Precon	66	282	425	143.787538	26.7432	ng/L
Zn-Precon	68	286	282	-4.546577	17.6487	ng/L
Cd-Precon	111	5	-8	-13.474703	-0.0571	ng/L
Cd-Precon	114	15	20	4.404871	1.1727	ng/L
Pb-Precon	208	284	576	292.137243	3.2704	ng/L
Tb-Precon	159	37	126	89.241244		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122441-DUP1

Sample Description:

Batch ID: B122441

Sample Date/Time: Monday, December 31, 2012 19:27:51

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 215

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122441-DUP1.151

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	206809	204388.409647	5756.5695	ng/L
Fe-Precon	54	399	322362	321963.379459	65717.9413	ng/L
Fe-Precon	56	7325	7069526	7062201.274007	74929.2124	ng/L
Fe-Precon	57	238	163617	163378.685751	70602.3902	ng/L
Co-Precon	59	54	28843	28788.877827	263.1337	ng/L
Ni-Precon	60	44	85379	85334.940683	4086.0320	ng/L
Cu-Precon	63	3458	167686	164228.140240	4113.5937	ng/L
Cu-Precon	65	1593	79144	77550.552679	4230.0039	ng/L
Zn-Precon	66	282	13853	13571.604321	1069.1994	ng/L
Zn-Precon	68	286	8496	8209.935605	997.6273	ng/L
Cd-Precon	111	5	1811	1805.995789	117.5407	ng/L
Cd-Precon	114	15	4821	4806.042712	119.2992	ng/L
Pb-Precon	208	284	12646	12362.199845	68.3194	ng/L
Tb-Precon	159	37	1785	1748.754218		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 19:41:01

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.152

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1761	-660.237056	2.0706	ng/L
Fe-Precon	54	399	10740	10341.087769	2142.1842	ng/L
Fe-Precon	56	7325	209443	202118.072052	2170.6584	ng/L
Fe-Precon	57	238	5497	5258.868312	2302.5355	ng/L
Co-Precon	59	54	83	28.447298	1.2077	ng/L
Ni-Precon	60	44	428	383.897525	20.7145	ng/L
Cu-Precon	63	3458	7310	3852.360325	159.6143	ng/L
Cu-Precon	65	1593	3359	1765.753873	159.6539	ng/L
Zn-Precon	66	282	420	138.912780	26.3648	ng/L
Zn-Precon	68	286	276	-10.005370	16.9975	ng/L
Cd-Precon	111	5	-9	-13.875948	-0.0831	ng/L
Cd-Precon	114	15	2	-12.997390	0.7446	ng/L
Pb-Precon	208	284	558	274.803792	3.1769	ng/L
Tb-Precon	159	37	134	96.947092		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122441-MS1

Sample Description:

Batch ID: B122441

Sample Date/Time: Monday, December 31, 2012 19:54:12

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 216

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122441-MS1.153

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	535279	532857.719163	14974.7543	ng/L
Fe-Precon	54	399	411237	410837.909705	83849.7171	ng/L
Fe-Precon	56	7325	9079272	9071946.965455	96244.7251	ng/L
Fe-Precon	57	238	211955	211716.417456	91481.8733	ng/L
Co-Precon	59	54	460201	460146.492784	4191.5780	ng/L
Ni-Precon	60	44	159661	159616.976022	7640.7859	ng/L
Cu-Precon	63	3458	336681	333223.080730	8280.0738	ng/L
Cu-Precon	65	1593	157400	155807.123574	8433.1111	ng/L
Zn-Precon	66	282	283769	283487.287446	22023.8546	ng/L
Zn-Precon	68	286	185960	185673.401628	22168.8204	ng/L
Cd-Precon	111	5	59405	59399.473370	3839.9801	ng/L
Cd-Precon	114	15	148766	148750.407439	3660.5172	ng/L
Pb-Precon	208	284	817990	817706.853762	4408.5523	ng/L
Tb-Precon	159	37	1806	1769.069885		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 20:07:22

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.154

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	5822	3401.111651	116.0485	ng/L
Fe-Precon	54	399	12626	12227.479151	2527.0372	ng/L
Fe-Precon	56	7325	246829	239504.141900	2567.1778	ng/L
Fe-Precon	57	238	6486	6247.495090	2729.5728	ng/L
Co-Precon	59	54	359	305.360001	3.7296	ng/L
Ni-Precon	60	44	763	719.175281	36.7591	ng/L
Cu-Precon	63	3458	12640	9182.692961	291.0308	ng/L
Cu-Precon	65	1593	5947	4354.121416	298.6734	ng/L
Zn-Precon	66	282	671	389.912036	45.8509	ng/L
Zn-Precon	68	286	432	145.775076	35.5819	ng/L
Cd-Precon	111	5	7	1.625702	0.9188	ng/L
Cd-Precon	114	15	35	19.393140	1.5414	ng/L
Pb-Precon	208	284	828	544.202053	4.6288	ng/L
Tb-Precon	159	37	151	114.409080		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122441-MSD1

Sample Description:

Batch ID: B122441

Sample Date/Time: Monday, December 31, 2012 20:20:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 217

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122441-MSD1.155

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	546090	543668.805056	15278.1573	ng/L
Fe-Precon	54	399	417529	417130.481760	85133.4990	ng/L
Fe-Precon	56	7325	9237130	9229805.253680	97918.9819	ng/L
Fe-Precon	57	238	211986	211748.231952	91495.6156	ng/L
Co-Precon	59	54	459536	459482.228840	4185.5284	ng/L
Ni-Precon	60	44	160453	160408.866955	7678.6817	ng/L
Cu-Precon	63	3458	336472	333013.762976	8274.9132	ng/L
Cu-Precon	65	1593	159098	157505.301564	8524.3191	ng/L
Zn-Precon	66	282	285547	285265.326291	22161.8910	ng/L
Zn-Precon	68	286	187172	186885.800184	22313.4582	ng/L
Cd-Precon	111	5	60039	60033.963971	3880.9892	ng/L
Cd-Precon	114	15	150215	150199.549327	3696.1680	ng/L
Pb-Precon	208	284	793278	792994.626064	4275.3710	ng/L
Tb-Precon	159	37	1820	1782.967216		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 20:33:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.156

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	6182	3760.869939	126.1448	ng/L
Fe-Precon	54	399	12701	12302.268335	2542.2953	ng/L
Fe-Precon	56	7325	249866	242540.553083	2599.3822	ng/L
Fe-Precon	57	238	6458	6219.835851	2717.6254	ng/L
Co-Precon	59	54	373	318.584697	3.8500	ng/L
Ni-Precon	60	44	752	708.054937	36.2270	ng/L
Cu-Precon	63	3458	13253	9795.720473	306.1447	ng/L
Cu-Precon	65	1593	6047	4454.085356	304.0424	ng/L
Zn-Precon	66	282	649	367.491876	44.1103	ng/L
Zn-Precon	68	286	417	131.002194	33.8195	ng/L
Cd-Precon	111	5	7	1.824846	0.9317	ng/L
Cd-Precon	114	15	44	29.007376	1.7780	ng/L
Pb-Precon	208	284	855	571.656887	4.7768	ng/L
Tb-Precon	159	37	146	109.124087		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-02RE1

Sample Description:

Batch ID: B122441

Sample Date/Time: Monday, December 31, 2012 20:46:53

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 218

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1247017-02RE1.157

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	558838	556417.290580	15635.9317	ng/L
Fe-Precon	54	399	21471197	21470798.440763	4380406.7035	ng/L
Fe-Precon	56	7325	S	S	S	ng/L
Fe-Precon	57	238	11078411	11078172.591840	4785247.5901	ng/L
Co-Precon	59	54	241973	241919.048289	2204.1449	ng/L
Ni-Precon	60	44	334157	334113.398400	15991.2821	ng/L
Cu-Precon	63	3458	540009	536551.157429	13293.0192	ng/L
Cu-Precon	65	1593	211988	210394.613799	11364.9681	ng/L
Zn-Precon	66	282	245433	245151.957558	19047.7266	ng/L
Zn-Precon	68	286	156358	156071.900188	18637.3944	ng/L
Cd-Precon	111	5	2009	2004.218748	130.3524	ng/L
Cd-Precon	114	15	5414	5398.549650	133.8757	ng/L
Pb-Precon	208	284	596196	595912.334056	3213.2381	ng/L
Tb-Precon	159	37	30991	30953.888618		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 21:00:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.158

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	17715	15294.457990	449.8242	ng/L
Fe-Precon	54	399	148553	148153.959154	30258.1370	ng/L
Fe-Precon	56	7325	3306341	3299016.378299	35016.5928	ng/L
Fe-Precon	57	238	74783	74544.423849	32230.4310	ng/L
Co-Precon	59	54	296	242.096369	3.1534	ng/L
Ni-Precon	60	44	1591	1547.180816	76.3832	ng/L
Cu-Precon	63	3458	12995	9537.238498	299.7720	ng/L
Cu-Precon	65	1593	3612	2018.815958	173.2457	ng/L
Zn-Precon	66	282	1315	1033.687889	95.8298	ng/L
Zn-Precon	68	286	398	111.934483	31.5448	ng/L
Cd-Precon	111	5	-9	-14.143721	-0.1004	ng/L
Cd-Precon	114	15	11	-4.824165	0.9457	ng/L
Pb-Precon	208	284	903	619.208598	5.0330	ng/L
Tb-Precon	159	37	157	120.497451		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV8

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 21:13:14

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCV8.159

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	62995	60574.287822	1720.5604	ng/L
Fe-Precon	54	399	34224	33825.460551	6933.3587	ng/L
Fe-Precon	56	7325	656633	649307.805135	6913.5861	ng/L
Fe-Precon	57	238	17266	17027.798225	7386.1248	ng/L
Co-Precon	59	54	71122	71067.820296	648.1749	ng/L
Ni-Precon	60	44	12899	12855.165480	617.5248	ng/L
Cu-Precon	63	3458	32964	29506.549987	792.1047	ng/L
Cu-Precon	65	1593	14280	12686.738270	746.2126	ng/L
Zn-Precon	66	282	46481	46199.625571	3602.2457	ng/L
Zn-Precon	68	286	30388	30101.437951	3609.2590	ng/L
Cd-Precon	111	5	10125	10120.281368	654.9179	ng/L
Cd-Precon	114	15	25241	25225.552197	621.6456	ng/L
Pb-Precon	208	284	117124	116840.886447	631.3849	ng/L
Tb-Precon	159	37	50	13.014875		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 21:26:26

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.160

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	3254	833.388135	43.9878	ng/L
Fe-Precon	54	399	13798	13399.657526	2766.1797	ng/L
Fe-Precon	56	7325	267914	260588.479834	2790.7999	ng/L
Fe-Precon	57	238	6950	6711.855332	2930.1532	ng/L
Co-Precon	59	54	306	251.655877	3.2405	ng/L
Ni-Precon	60	44	317	272.566500	15.3867	ng/L
Cu-Precon	63	3458	6150	2692.543323	131.0197	ng/L
Cu-Precon	65	1593	2281	687.962231	101.7665	ng/L
Zn-Precon	66	282	752	470.634733	52.1177	ng/L
Zn-Precon	68	286	373	86.817041	28.5483	ng/L
Cd-Precon	111	5	16	10.513880	1.4933	ng/L
Cd-Precon	114	15	35	19.927967	1.5546	ng/L
Pb-Precon	208	284	823	539.422003	4.6030	ng/L
Tb-Precon	159	37	51	14.743010		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB8

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 21:39:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCB8.161

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1583	-838.248075	-2.9251	ng/L
Fe-Precon	54	399	5260	4860.959303	1024.1534	ng/L
Fe-Precon	56	7325	103188	95862.697451	1043.7060	ng/L
Fe-Precon	57	238	2734	2495.749954	1109.0065	ng/L
Co-Precon	59	54	117	62.550401	1.5183	ng/L
Ni-Precon	60	44	137	92.631862	6.7760	ng/L
Cu-Precon	63	3458	4732	1274.096910	96.0486	ng/L
Cu-Precon	65	1593	1793	199.968519	75.5567	ng/L
Zn-Precon	66	282	384	102.457971	23.5346	ng/L
Zn-Precon	68	286	207	-79.686599	8.6846	ng/L
Cd-Precon	111	5	3	-2.459757	0.6548	ng/L
Cd-Precon	114	15	11	-4.314151	0.9582	ng/L
Pb-Precon	208	284	608	324.898366	3.4469	ng/L
Tb-Precon	159	37	28	-8.779254		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 21:52:49

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.162

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1142	-1279.281379	-15.3023	ng/L
Fe-Precon	54	399	5054	4655.319545	982.1997	ng/L
Fe-Precon	56	7325	97396	90071.003661	982.2788	ng/L
Fe-Precon	57	238	2591	2353.193924	1047.4295	ng/L
Co-Precon	59	54	100	45.632202	1.3642	ng/L
Ni-Precon	60	44	132	87.582314	6.5344	ng/L
Cu-Precon	63	3458	2050	-1407.649372	29.9316	ng/L
Cu-Precon	65	1593	683	-910.134402	15.9338	ng/L
Zn-Precon	66	282	480	198.927078	31.0239	ng/L
Zn-Precon	68	286	287	0.579988	18.2603	ng/L
Cd-Precon	111	5	5	-0.055447	0.8102	ng/L
Cd-Precon	114	15	15	-0.506969	1.0519	ng/L
Pb-Precon	208	284	575	291.292552	3.2658	ng/L
Tb-Precon	159	37	38	1.731637		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-03RE1

Sample Description:

Batch ID: B122441

Sample Date/Time: Monday, December 31, 2012 22:05:59

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 219

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1247017-03RE1.163

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	164523	162101.751384	4569.8339	ng/L
Fe-Precon	54	399	824275	823876.054925	168115.8736	ng/L
Fe-Precon	56	7325	18280539	18273213.758195	193834.0469	ng/L
Fe-Precon	57	238	418185	417946.946970	180563.1500	ng/L
Co-Precon	59	54	10340	10285.662463	94.6218	ng/L
Ni-Precon	60	44	28293	28248.875927	1354.1882	ng/L
Cu-Precon	63	3458	96136	92678.216932	2349.5685	ng/L
Cu-Precon	65	1593	44303	42709.584751	2358.7192	ng/L
Zn-Precon	66	282	10001	9719.697202	770.1601	ng/L
Zn-Precon	68	286	5902	5615.583440	688.1240	ng/L
Cd-Precon	111	5	83	78.254093	5.8716	ng/L
Cd-Precon	114	15	209	193.277393	5.8192	ng/L
Pb-Precon	208	284	14383	14099.139281	77.6802	ng/L
Tb-Precon	159	37	1291	1254.660317		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 22:19:09

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.164

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1944	-476.969966	7.2138	ng/L
Fe-Precon	54	399	21228	20829.749938	4282.0332	ng/L
Fe-Precon	56	7325	413754	406429.002297	4337.5954	ng/L
Fe-Precon	57	238	10741	10502.448211	4567.4998	ng/L
Co-Precon	59	54	113	58.591985	1.4822	ng/L
Ni-Precon	60	44	209	165.257302	10.2515	ng/L
Cu-Precon	63	3458	3808	349.922237	73.2636	ng/L
Cu-Precon	65	1593	1617	24.313652	66.1224	ng/L
Zn-Precon	66	282	473	191.426938	30.4417	ng/L
Zn-Precon	68	286	301	15.026888	19.9838	ng/L
Cd-Precon	111	5	1	-4.033921	0.5530	ng/L
Cd-Precon	114	15	13	-2.140562	1.0117	ng/L
Pb-Precon	208	284	628	344.024421	3.5500	ng/L
Tb-Precon	159	37	56	19.110145		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-04RE1

Sample Description:

Batch ID: B122441

Sample Date/Time: Monday, December 31, 2012 22:32:19

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 220

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1247017-04RE1.165

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	168248	165827.201539	4674.3852	ng/L
Fe-Precon	54	399	1332192	1331793.124481	271738.7949	ng/L
Fe-Precon	56	7325	27814401	27807075.695778	294950.8976	ng/L
Fe-Precon	57	238	620233	619994.537286	267837.6062	ng/L
Co-Precon	59	54	15439	15385.050490	141.0628	ng/L
Ni-Precon	60	44	34668	34623.580592	1659.2486	ng/L
Cu-Precon	63	3458	99486	96028.255981	2432.1619	ng/L
Cu-Precon	65	1593	45774	44180.800735	2437.7372	ng/L
Zn-Precon	66	282	14951	14669.189801	1154.4094	ng/L
Zn-Precon	68	286	9139	8852.395663	1074.2720	ng/L
Cd-Precon	111	5	119	113.823630	8.1705	ng/L
Cd-Precon	114	15	323	307.287702	8.6240	ng/L
Pb-Precon	208	284	18513	18229.870994	99.9419	ng/L
Tb-Precon	159	37	1739	1702.134376		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 22:45:28

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.166

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	2045	-375.672985	10.0566	ng/L
Fe-Precon	54	399	28364	27965.385846	5737.8130	ng/L
Fe-Precon	56	7325	548060	540735.234414	5762.0573	ng/L
Fe-Precon	57	238	14319	14081.362008	6113.4116	ng/L
Co-Precon	59	54	119	65.051105	1.5411	ng/L
Ni-Precon	60	44	236	191.987347	11.5306	ng/L
Cu-Precon	63	3458	3614	156.437011	68.4933	ng/L
Cu-Precon	65	1593	1528	-65.073463	61.3214	ng/L
Zn-Precon	66	282	481	199.700566	31.0840	ng/L
Zn-Precon	68	286	302	15.640343	20.0570	ng/L
Cd-Precon	111	5	3	-1.714522	0.7029	ng/L
Cd-Precon	114	15	15	-0.941278	1.0412	ng/L
Pb-Precon	208	284	578	294.423301	3.2827	ng/L
Tb-Precon	159	37	48	11.262438		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-05RE1

Sample Description:

Batch ID: B122441

Sample Date/Time: Monday, December 31, 2012 22:58:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 221

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1247017-05RE1.167

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	187262	184840.832367	5207.9850	ng/L
Fe-Precon	54	399	1018479	1018080.060937	207736.4881	ng/L
Fe-Precon	56	7325	21587760	21580434.870724	228910.6806	ng/L
Fe-Precon	57	238	521273	521035.285527	225092.1576	ng/L
Co-Precon	59	54	13882	13827.973465	126.8823	ng/L
Ni-Precon	60	44	42464	42420.395806	2032.3638	ng/L
Cu-Precon	63	3458	118923	115465.538386	2911.3777	ng/L
Cu-Precon	65	1593	54963	53370.063891	2931.2863	ng/L
Zn-Precon	66	282	13986	13704.226483	1079.4954	ng/L
Zn-Precon	68	286	8423	8136.483003	988.8645	ng/L
Cd-Precon	111	5	383	378.152362	25.2549	ng/L
Cd-Precon	114	15	1092	1076.148313	27.5390	ng/L
Pb-Precon	208	284	15952	15668.790875	86.1395	ng/L
Tb-Precon	159	37	1772	1735.284443		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 23:11:48

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.168

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	2056	-364.591468	10.3676	ng/L
Fe-Precon	54	399	23830	23431.219511	4812.7731	ng/L
Fe-Precon	56	7325	464144	456819.250128	4872.0381	ng/L
Fe-Precon	57	238	12113	11874.938403	5160.3470	ng/L
Co-Precon	59	54	115	60.669888	1.5012	ng/L
Ni-Precon	60	44	243	199.343426	11.8827	ng/L
Cu-Precon	63	3458	4240	782.332383	83.9244	ng/L
Cu-Precon	65	1593	1830	236.724970	77.5308	ng/L
Zn-Precon	66	282	481	199.847747	31.0954	ng/L
Zn-Precon	68	286	295	8.790040	19.2398	ng/L
Cd-Precon	111	5	0	-4.782802	0.5046	ng/L
Cd-Precon	114	15	9	-6.332430	0.9086	ng/L
Pb-Precon	208	284	581	297.538245	3.2995	ng/L
Tb-Precon	159	37	73	36.273958		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-06RE1

Sample Description:

Batch ID: B122441

Sample Date/Time: Monday, December 31, 2012 23:24:57

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 222

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1247017-06RE1.169

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	165522	163101.457610	4597.8898	ng/L
Fe-Precon	54	399	53143	52744.000303	10793.0328	ng/L
Fe-Precon	56	7325	1104736	1097410.614985	11666.1979	ng/L
Fe-Precon	57	238	27578	27339.954989	11840.4608	ng/L
Co-Precon	59	54	4086	4032.346986	37.6719	ng/L
Ni-Precon	60	44	27992	27947.941047	1339.7870	ng/L
Cu-Precon	63	3458	108926	105468.326471	2664.9018	ng/L
Cu-Precon	65	1593	51225	49631.998508	2730.5174	ng/L
Zn-Precon	66	282	5682	5400.875323	434.8724	ng/L
Zn-Precon	68	286	3212	2925.535341	367.2042	ng/L
Cd-Precon	111	5	408	403.063510	26.8650	ng/L
Cd-Precon	114	15	1143	1127.590405	28.8045	ng/L
Pb-Precon	208	284	1529	1245.349088	8.4075	ng/L
Tb-Precon	159	37	602	565.081612		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, December 31, 2012 23:38:07

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.170

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1457	-964.101932	-6.4571	ng/L
Fe-Precon	54	399	5483	5084.175977	1069.6931	ng/L
Fe-Precon	56	7325	108129	100804.012966	1096.1139	ng/L
Fe-Precon	57	238	2815	2577.136780	1144.1616	ng/L
Co-Precon	59	54	96	42.286675	1.3337	ng/L
Ni-Precon	60	44	199	155.047454	9.7629	ng/L
Cu-Precon	63	3458	5273	1815.699151	109.4015	ng/L
Cu-Precon	65	1593	2389	795.994943	107.5688	ng/L
Zn-Precon	66	282	423	141.199723	26.5423	ng/L
Zn-Precon	68	286	274	-12.652983	16.6816	ng/L
Cd-Precon	111	5	-1	-5.670258	0.4473	ng/L
Cd-Precon	114	15	3	-11.966303	0.7700	ng/L
Pb-Precon	208	284	545	261.454166	3.1050	ng/L
Tb-Precon	159	37	69	32.419382		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-07RE1

Sample Description:

Batch ID: B122441

Sample Date/Time: Monday, December 31, 2012 23:51:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 223

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1247017-07RE1.171

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	166827	164405.865213	4634.4967	ng/L
Fe-Precon	54	399	30118	29719.433316	6095.6658	ng/L
Fe-Precon	56	7325	631221	623895.768962	6644.0641	ng/L
Fe-Precon	57	238	35990	35752.351301	15474.1954	ng/L
Co-Precon	59	54	3764	3709.737405	34.7338	ng/L
Ni-Precon	60	44	32012	31967.576236	1532.1460	ng/L
Cu-Precon	63	3458	101204	97745.972065	2474.5113	ng/L
Cu-Precon	65	1593	47918	46324.790524	2552.8895	ng/L
Zn-Precon	66	282	5881	5599.717485	450.3093	ng/L
Zn-Precon	68	286	3355	3068.211843	384.2254	ng/L
Cd-Precon	111	5	416	410.808605	27.3656	ng/L
Cd-Precon	114	15	1035	1019.182618	26.1376	ng/L
Pb-Precon	208	284	2216	1932.190679	12.1091	ng/L
Tb-Precon	159	37	605	568.225624		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 00:04:27

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.172

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1534	-887.190240	-4.2987	ng/L
Fe-Precon	54	399	4352	3953.189289	838.9543	ng/L
Fe-Precon	56	7325	85693	78368.028130	858.1562	ng/L
Fe-Precon	57	238	2252	2014.342048	901.0624	ng/L
Co-Precon	59	54	96	41.798422	1.3293	ng/L
Ni-Precon	60	44	214	170.182454	10.4872	ng/L
Cu-Precon	63	3458	5926	2468.427450	125.4942	ng/L
Cu-Precon	65	1593	2766	1172.403483	127.7855	ng/L
Zn-Precon	66	282	487	205.879095	31.5636	ng/L
Zn-Precon	68	286	339	52.171189	24.4151	ng/L
Cd-Precon	111	5	2	-3.203795	0.6067	ng/L
Cd-Precon	114	15	7	-8.430921	0.8569	ng/L
Pb-Precon	208	284	601	317.362388	3.4063	ng/L
Tb-Precon	159	37	50	13.523962		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-08RE1

Sample Description:

Batch ID: B122441

Sample Date/Time: Tuesday, January 01, 2013 00:17:37

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 224

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1247017-08RE1.173

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	163314	160893.379547	4535.9221	ng/L
Fe-Precon	54	399	74215	73815.900222	15092.0256	ng/L
Fe-Precon	56	7325	1773256	1765930.707690	18756.5718	ng/L
Fe-Precon	57	238	117451	117212.941225	50661.0970	ng/L
Co-Precon	59	54	9702	9647.933842	88.8139	ng/L
Ni-Precon	60	44	48416	48372.450279	2317.1984	ng/L
Cu-Precon	63	3458	97947	94489.473674	2394.2240	ng/L
Cu-Precon	65	1593	46118	44524.684083	2456.2070	ng/L
Zn-Precon	66	282	7240	6958.878411	555.8265	ng/L
Zn-Precon	68	286	4205	3918.510251	485.6650	ng/L
Cd-Precon	111	5	773	768.072401	50.4566	ng/L
Cd-Precon	114	15	1949	1933.795204	48.6382	ng/L
Pb-Precon	208	284	2052	1768.177277	11.2252	ng/L
Tb-Precon	159	37	1226	1189.262661		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 00:30:47

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.174

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1423	-997.643534	-7.3984	ng/L
Fe-Precon	54	399	4632	4233.220705	896.0851	ng/L
Fe-Precon	56	7325	89504	82178.555306	898.5709	ng/L
Fe-Precon	57	238	2375	2136.910590	954.0059	ng/L
Co-Precon	59	54	103	48.444317	1.3898	ng/L
Ni-Precon	60	44	251	207.537915	12.2748	ng/L
Cu-Precon	63	3458	5964	2505.957352	126.4195	ng/L
Cu-Precon	65	1593	2747	1153.912990	126.7924	ng/L
Zn-Precon	66	282	466	184.591997	29.9110	ng/L
Zn-Precon	68	286	312	25.479665	21.2308	ng/L
Cd-Precon	111	5	-2	-6.981562	0.3625	ng/L
Cd-Precon	114	15	6	-9.595697	0.8283	ng/L
Pb-Precon	208	284	547	263.445463	3.1157	ng/L
Tb-Precon	159	37	90	53.368630		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-09RE1

Sample Description:

Batch ID: B122441

Sample Date/Time: Tuesday, January 01, 2013 00:43:58

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 225

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1247017-09RE1.175

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	156556	154135.023785	4346.2552	ng/L
Fe-Precon	54	399	28236	27837.138618	5711.6486	ng/L
Fe-Precon	56	7325	837111	829785.911513	8827.7503	ng/L
Fe-Precon	57	238	124200	123961.995469	53576.3510	ng/L
Co-Precon	59	54	10711	10657.187799	98.0054	ng/L
Ni-Precon	60	44	57029	56985.082275	2729.3544	ng/L
Cu-Precon	63	3458	125367	121909.687863	3070.2548	ng/L
Cu-Precon	65	1593	55599	54005.918491	2965.4376	ng/L
Zn-Precon	66	282	6045	5763.689136	463.0391	ng/L
Zn-Precon	68	286	3539	3252.266961	406.1829	ng/L
Cd-Precon	111	5	1039	1034.105970	67.6511	ng/L
Cd-Precon	114	15	2726	2710.271862	67.7406	ng/L
Pb-Precon	208	284	1352	1068.598271	7.4549	ng/L
Tb-Precon	159	37	1793	1756.680958		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 00:57:09

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.176

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1288	-1133.094443	-11.1997	ng/L
Fe-Precon	54	399	3007	2607.972006	564.5092	ng/L
Fe-Precon	56	7325	58977	51652.406309	574.8083	ng/L
Fe-Precon	57	238	1561	1322.766500	602.3363	ng/L
Co-Precon	59	54	103	49.067858	1.3955	ng/L
Ni-Precon	60	44	266	221.578535	12.9467	ng/L
Cu-Precon	63	3458	7872	4413.851692	173.4576	ng/L
Cu-Precon	65	1593	3611	2017.674098	173.1844	ng/L
Zn-Precon	66	282	512	230.070211	33.4417	ng/L
Zn-Precon	68	286	340	53.374752	24.5587	ng/L
Cd-Precon	111	5	-3	-7.797544	0.3098	ng/L
Cd-Precon	114	15	2	-13.015341	0.7442	ng/L
Pb-Precon	208	284	660	376.677377	3.7260	ng/L
Tb-Precon	159	37	109	72.382045		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-10RE1

Sample Description:

Batch ID: B122441

Sample Date/Time: Tuesday, January 01, 2013 01:10:20

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 226

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1247017-10RE1.177

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	168960	166538.675289	4694.3521	ng/L
Fe-Precon	54	399	79831	79432.213824	16237.8403	ng/L
Fe-Precon	56	7325	1683059	1675734.384453	17799.9429	ng/L
Fe-Precon	57	238	46025	45786.493905	19808.4433	ng/L
Co-Precon	59	54	10950	10896.340468	100.1834	ng/L
Ni-Precon	60	44	43868	43823.750135	2099.5211	ng/L
Cu-Precon	63	3458	112810	109351.958838	2760.6507	ng/L
Cu-Precon	65	1593	53079	51485.711914	2830.0791	ng/L
Zn-Precon	66	282	7848	7566.184334	602.9742	ng/L
Zn-Precon	68	286	4552	4265.945694	527.1137	ng/L
Cd-Precon	111	5	1288	1282.784930	83.7240	ng/L
Cd-Precon	114	15	3372	3356.975123	83.6503	ng/L
Pb-Precon	208	284	3402	3118.869533	18.5044	ng/L
Tb-Precon	159	37	1581	1544.557200		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 01:23:31

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.178

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1229	-1192.362544	-12.8630	ng/L
Fe-Precon	54	399	4226	3827.498764	813.3115	ng/L
Fe-Precon	56	7325	81867	74541.657326	817.5734	ng/L
Fe-Precon	57	238	2180	1942.022148	869.8238	ng/L
Co-Precon	59	54	106	51.738081	1.4198	ng/L
Ni-Precon	60	44	258	214.250025	12.5960	ng/L
Cu-Precon	63	3458	5552	2093.897363	116.2604	ng/L
Cu-Precon	65	1593	2585	991.469937	118.0677	ng/L
Zn-Precon	66	282	500	218.098006	32.5122	ng/L
Zn-Precon	68	286	320	34.073785	22.2561	ng/L
Cd-Precon	111	5	-8	-13.103160	-0.0331	ng/L
Cd-Precon	114	15	-4	-19.911927	0.5745	ng/L
Pb-Precon	208	284	659	375.682012	3.7206	ng/L
Tb-Precon	159	37	107	70.806262		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV9

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 01:36:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCV9.179

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	60286	57865.270971	1644.5344	ng/L
Fe-Precon	54	399	14053	13654.769545	2818.2264	ng/L
Fe-Precon	56	7325	275677	268352.249339	2873.1430	ng/L
Fe-Precon	57	238	7154	6915.713537	3018.2098	ng/L
Co-Precon	59	54	73794	73739.619692	672.5074	ng/L
Ni-Precon	60	44	12769	12724.718107	611.2823	ng/L
Cu-Precon	63	3458	29264	25806.347367	700.8782	ng/L
Cu-Precon	65	1593	14048	12454.735424	733.7519	ng/L
Zn-Precon	66	282	48274	47992.501804	3741.4340	ng/L
Zn-Precon	68	286	31662	31375.413091	3761.2428	ng/L
Cd-Precon	111	5	10332	10327.094149	668.2849	ng/L
Cd-Precon	114	15	26375	26359.497560	649.5422	ng/L
Pb-Precon	208	284	121646	121362.501368	655.7532	ng/L
Tb-Precon	159	37	40	3.297040		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 01:49:54

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.180

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1409	-1011.995403	-7.8012	ng/L
Fe-Precon	54	399	2924	2524.980802	547.5778	ng/L
Fe-Precon	56	7325	57486	50161.146056	558.9919	ng/L
Fe-Precon	57	238	1535	1296.561180	591.0170	ng/L
Co-Precon	59	54	320	265.929807	3.3705	ng/L
Ni-Precon	60	44	213	169.382209	10.4489	ng/L
Cu-Precon	63	3458	4625	1167.206582	93.4133	ng/L
Cu-Precon	65	1593	2141	548.250975	94.2627	ng/L
Zn-Precon	66	282	604	322.242209	40.5974	ng/L
Zn-Precon	68	286	422	135.907622	34.4048	ng/L
Cd-Precon	111	5	13	8.320292	1.3515	ng/L
Cd-Precon	114	15	34	18.895082	1.5292	ng/L
Pb-Precon	208	284	797	513.722788	4.4645	ng/L
Tb-Precon	159	37	49	12.460738		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB9

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 02:03:06

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCB9.181

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	408	-2012.848367	-35.8892	ng/L
Fe-Precon	54	399	516	116.873691	56.2867	ng/L
Fe-Precon	56	7325	10090	2764.912472	56.3039	ng/L
Fe-Precon	57	238	320	82.006788	66.3902	ng/L
Co-Precon	59	54	96	41.878029	1.3300	ng/L
Ni-Precon	60	44	59	14.874638	3.0549	ng/L
Cu-Precon	63	3458	3440	-17.588319	64.2028	ng/L
Cu-Precon	65	1593	1558	-34.978962	62.9378	ng/L
Zn-Precon	66	282	281	-0.174845	15.5668	ng/L
Zn-Precon	68	286	194	-92.452535	7.1616	ng/L
Cd-Precon	111	5	3	-1.790765	0.6980	ng/L
Cd-Precon	114	15	7	-8.810303	0.8476	ng/L
Pb-Precon	208	284	620	336.348434	3.5086	ng/L
Tb-Precon	159	37	22	-15.061524		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 02:16:18

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.182

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	320	-2100.681670	-38.3542	ng/L
Fe-Precon	54	399	1351	952.690468	226.8063	ng/L
Fe-Precon	56	7325	26355	19030.304845	228.8159	ng/L
Fe-Precon	57	238	736	498.336816	246.2239	ng/L
Co-Precon	59	54	87	32.551354	1.2451	ng/L
Ni-Precon	60	44	77	32.796927	3.9126	ng/L
Cu-Precon	63	3458	1250	-2207.297990	10.2167	ng/L
Cu-Precon	65	1593	569	-1023.759716	9.8311	ng/L
Zn-Precon	66	282	483	201.901056	31.2548	ng/L
Zn-Precon	68	286	321	34.199761	22.2711	ng/L
Cd-Precon	111	5	4	-0.978530	0.7505	ng/L
Cd-Precon	114	15	10	-5.067334	0.9397	ng/L
Pb-Precon	208	284	740	456.390978	4.1556	ng/L
Tb-Precon	159	37	29	-8.069275		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-11RE1

Sample Description:

Batch ID: B122441

Sample Date/Time: Tuesday, January 01, 2013 02:29:28

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 227

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1247017-11RE1.183

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	130280	127858.939579	3608.8414	ng/L
Fe-Precon	54	399	460707	460307.877458	93942.3541	ng/L
Fe-Precon	56	7325	10355385	10348060.086945	109779.2760	ng/L
Fe-Precon	57	238	331660	331422.264971	143188.8139	ng/L
Co-Precon	59	54	17277	17223.082350	157.8021	ng/L
Ni-Precon	60	44	50900	50856.007064	2436.0486	ng/L
Cu-Precon	63	3458	64769	61311.258466	1576.2328	ng/L
Cu-Precon	65	1593	30017	28424.205330	1591.4612	ng/L
Zn-Precon	66	282	12597	12315.900297	971.7140	ng/L
Zn-Precon	68	286	7769	7482.637624	910.8614	ng/L
Cd-Precon	111	5	1115	1109.969369	72.5544	ng/L
Cd-Precon	114	15	3083	3067.572196	76.5306	ng/L
Pb-Precon	208	284	11938	11654.428871	64.5050	ng/L
Tb-Precon	159	37	2827	2790.700313		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 02:42:39

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.184

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1152	-1269.178474	-15.0188	ng/L
Fe-Precon	54	399	12828	12429.667703	2568.2868	ng/L
Fe-Precon	56	7325	251088	243762.854731	2612.3461	ng/L
Fe-Precon	57	238	6511	6272.761131	2740.4865	ng/L
Co-Precon	59	54	93	39.003650	1.3038	ng/L
Ni-Precon	60	44	221	176.555124	10.7921	ng/L
Cu-Precon	63	3458	3280	-178.101785	60.2454	ng/L
Cu-Precon	65	1593	1459	-134.090314	57.6146	ng/L
Zn-Precon	66	282	512	230.093626	33.4435	ng/L
Zn-Precon	68	286	349	62.798141	25.6829	ng/L
Cd-Precon	111	5	-14	-18.667342	-0.3928	ng/L
Cd-Precon	114	15	-9	-24.753702	0.4554	ng/L
Pb-Precon	208	284	669	385.975601	3.7761	ng/L
Tb-Precon	159	37	156	119.309744		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122441-DUP2

Sample Description:

Batch ID: B122441

Sample Date/Time: Tuesday, January 01, 2013 02:55:50

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 228

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122441-DUP2.185

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	131917	129495.704538	3654.7756	ng/L
Fe-Precon	54	399	500046	499647.125943	101968.1679	ng/L
Fe-Precon	56	7325	10956806	10949480.838708	116157.9894	ng/L
Fe-Precon	57	238	260187	259949.251401	112316.0458	ng/L
Co-Precon	59	54	17078	17023.725897	155.9865	ng/L
Ni-Precon	60	44	37830	37785.813756	1810.5767	ng/L
Cu-Precon	63	3458	74380	70922.007911	1813.1807	ng/L
Cu-Precon	65	1593	34274	32681.120187	1820.0972	ng/L
Zn-Precon	66	282	14923	14641.408419	1152.2526	ng/L
Zn-Precon	68	286	9474	9187.584598	1114.2597	ng/L
Cd-Precon	111	5	1369	1363.813224	88.9611	ng/L
Cd-Precon	114	15	3773	3757.361204	93.5003	ng/L
Pb-Precon	208	284	14030	13746.187032	75.7781	ng/L
Tb-Precon	159	37	2693	2656.492218		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 03:09:00

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.186

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1124	-1297.013890	-15.8000	ng/L
Fe-Precon	54	399	12001	11601.970191	2399.4237	ng/L
Fe-Precon	56	7325	234394	227069.324332	2435.2932	ng/L
Fe-Precon	57	238	6131	5892.823911	2576.3726	ng/L
Co-Precon	59	54	101	46.504885	1.3722	ng/L
Ni-Precon	60	44	215	171.283817	10.5399	ng/L
Cu-Precon	63	3458	2948	-509.696057	52.0702	ng/L
Cu-Precon	65	1593	1298	-294.768362	48.9847	ng/L
Zn-Precon	66	282	468	186.889838	30.0894	ng/L
Zn-Precon	68	286	327	40.468596	23.0190	ng/L
Cd-Precon	111	5	-14	-19.196131	-0.4269	ng/L
Cd-Precon	114	15	-5	-20.755026	0.5537	ng/L
Pb-Precon	208	284	643	359.742831	3.6347	ng/L
Tb-Precon	159	37	163	126.405980		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122441-MS2

Sample Description:

Batch ID: B122441

Sample Date/Time: Tuesday, January 01, 2013 03:22:11

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 229

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122441-MS2.187

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	476048	473627.000857	13312.4994	ng/L
Fe-Precon	54	399	579412	579013.644383	118160.1626	ng/L
Fe-Precon	56	7325	12829425	12822100.255000	136019.1305	ng/L
Fe-Precon	57	238	298499	298260.982647	128864.7980	ng/L
Co-Precon	59	54	446557	446503.217023	4067.3264	ng/L
Ni-Precon	60	44	113236	113192.080949	5419.1306	ng/L
Cu-Precon	63	3458	246430	242972.474467	6054.9933	ng/L
Cu-Precon	65	1593	117149	115555.944228	6271.2477	ng/L
Zn-Precon	66	282	289699	289417.599365	22484.2489	ng/L
Zn-Precon	68	286	190135	189848.962637	22666.9602	ng/L
Cd-Precon	111	5	60722	60716.916286	3925.1304	ng/L
Cd-Precon	114	15	152848	152832.928331	3760.9525	ng/L
Pb-Precon	208	284	828461	828177.345225	4464.9808	ng/L
Tb-Precon	159	37	2680	2643.207757		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 03:35:21

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.188

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	4097	1675.711484	67.6268	ng/L
Fe-Precon	54	399	12876	12476.864366	2577.9156	ng/L
Fe-Precon	56	7325	251754	244429.128006	2619.4126	ng/L
Fe-Precon	57	238	6539	6301.142994	2752.7461	ng/L
Co-Precon	59	54	281	227.322747	3.0189	ng/L
Ni-Precon	60	44	442	398.254510	21.4015	ng/L
Cu-Precon	63	3458	7418	3960.672140	162.2847	ng/L
Cu-Precon	65	1593	3329	1735.745607	158.0422	ng/L
Zn-Precon	66	282	663	381.314337	45.1834	ng/L
Zn-Precon	68	286	430	143.413339	35.3002	ng/L
Cd-Precon	111	5	10	4.435579	1.1004	ng/L
Cd-Precon	114	15	28	12.671941	1.3761	ng/L
Pb-Precon	208	284	942	658.368635	5.2441	ng/L
Tb-Precon	159	37	124	87.343370		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122441-MSD2

Sample Description:

Batch ID: B122441

Sample Date/Time: Tuesday, January 01, 2013 03:48:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 230

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122441-MSD2.189

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	486275	483854.367974	13599.5209	ng/L
Fe-Precon	54	399	593367	592967.847162	121007.0354	ng/L
Fe-Precon	56	7325	13096714	13089389.104110	138854.0160	ng/L
Fe-Precon	57	238	304841	304603.318545	131604.3700	ng/L
Co-Precon	59	54	470452	470397.810025	4284.9384	ng/L
Ni-Precon	60	44	113865	113820.575807	5449.2071	ng/L
Cu-Precon	63	3458	254177	250719.438925	6245.9905	ng/L
Cu-Precon	65	1593	118555	116961.630488	6346.7461	ng/L
Zn-Precon	66	282	297308	297026.531336	23074.9613	ng/L
Zn-Precon	68	286	196548	196261.213581	23431.9345	ng/L
Cd-Precon	111	5	61735	61730.322785	3990.6299	ng/L
Cd-Precon	114	15	155561	155545.504847	3827.6854	ng/L
Pb-Precon	208	284	852739	852455.633189	4595.8234	ng/L
Tb-Precon	159	37	2695	2658.280903		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 04:01:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.190

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	4479	2057.958669	78.3542	ng/L
Fe-Precon	54	399	12909	12509.832472	2584.6416	ng/L
Fe-Precon	56	7325	246841	239515.514881	2567.2985	ng/L
Fe-Precon	57	238	6430	6191.733605	2705.4867	ng/L
Co-Precon	59	54	300	245.736704	3.1866	ng/L
Ni-Precon	60	44	503	458.811113	24.2994	ng/L
Cu-Precon	63	3458	6968	3510.535084	151.1868	ng/L
Cu-Precon	65	1593	3236	1643.201136	153.0717	ng/L
Zn-Precon	66	282	676	394.441252	46.2025	ng/L
Zn-Precon	68	286	442	155.561821	36.7495	ng/L
Cd-Precon	111	5	14	8.998009	1.3953	ng/L
Cd-Precon	114	15	38	22.176867	1.6099	ng/L
Pb-Precon	208	284	990	706.800945	5.5051	ng/L
Tb-Precon	159	37	127	90.024130		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-12RE1

Sample Description:

Batch ID: B122441

Sample Date/Time: Tuesday, January 01, 2013 04:14:52

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 231

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1247017-12RE1.191

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	100045	97623.636665	2760.3158	ng/L
Fe-Precon	54	399	4173	3774.161686	802.4299	ng/L
Fe-Precon	56	7325	108848	101522.459908	1103.7338	ng/L
Fe-Precon	57	238	12275	12037.216214	5230.4429	ng/L
Co-Precon	59	54	6054	5999.684624	55.5887	ng/L
Ni-Precon	60	44	18122	18078.094043	867.4672	ng/L
Cu-Precon	63	3458	64168	60710.407623	1561.4192	ng/L
Cu-Precon	65	1593	30542	28948.660989	1619.6294	ng/L
Zn-Precon	66	282	12640	12358.463614	975.0183	ng/L
Zn-Precon	68	286	8082	7795.318116	948.1639	ng/L
Cd-Precon	111	5	1004	998.758317	65.3665	ng/L
Cd-Precon	114	15	2823	2807.841898	70.1409	ng/L
Pb-Precon	208	284	1430	1146.031130	7.8722	ng/L
Tb-Precon	159	37	2299	2261.891551		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 04:28:02

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.192

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1079	-1342.219960	-17.0686	ng/L
Fe-Precon	54	399	2292	1893.705883	418.7879	ng/L
Fe-Precon	56	7325	44341	37015.773180	419.5711	ng/L
Fe-Precon	57	238	1221	983.242207	455.6788	ng/L
Co-Precon	59	54	101	47.235686	1.3788	ng/L
Ni-Precon	60	44	164	120.518203	8.1105	ng/L
Cu-Precon	63	3458	3466	8.301669	64.8411	ng/L
Cu-Precon	65	1593	1628	34.502919	66.6696	ng/L
Zn-Precon	66	282	477	195.204616	30.7349	ng/L
Zn-Precon	68	286	319	32.525256	22.0714	ng/L
Cd-Precon	111	5	-11	-16.024117	-0.2219	ng/L
Cd-Precon	114	15	-12	-27.833248	0.3796	ng/L
Pb-Precon	208	284	649	365.854640	3.6676	ng/L
Tb-Precon	159	37	171	134.472042		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-01RE2

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Tuesday, January 01, 2013 04:41:13

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 157

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-01RE2.193

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	4868	2446.868574	892.6860	ng/L
Fe-Precon	54	399	35196433	35196034.746481	71805667.4422	ng/L
Fe-Precon	56	7325	S	S	S	ng/L
Fe-Precon	57	238	18014256	18014018.127125	77811860.5139	ng/L
Co-Precon	59	54	3114	3059.440865	288.1146	ng/L
Ni-Precon	60	44	1088	1044.477852	523.2643	ng/L
Cu-Precon	63	3458	1039	-2418.441350	50.1106	ng/L
Cu-Precon	65	1593	469	-1124.383987	44.2659	ng/L
Zn-Precon	66	282	1733	1451.323325	1282.5255	ng/L
Zn-Precon	68	286	1160	873.123967	1223.5384	ng/L
Cd-Precon	111	5	-7	-12.355986	0.1516	ng/L
Cd-Precon	114	15	9	-6.430404	9.0615	ng/L
Pb-Precon	208	284	688	404.217216	38.7438	ng/L
Tb-Precon	159	37	463	426.025978		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 04:54:23

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.194

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	531	-1889.640653	-32.4315	ng/L
Fe-Precon	54	399	276922	276523.769608	56447.5596	ng/L
Fe-Precon	56	7325	6217213	6209888.106201	65889.5154	ng/L
Fe-Precon	57	238	140751	140513.144900	60725.6199	ng/L
Co-Precon	59	54	125	70.665005	1.5922	ng/L
Ni-Precon	60	44	89	45.285384	4.5102	ng/L
Cu-Precon	63	3458	822	-2635.607508	-0.3431	ng/L
Cu-Precon	65	1593	365	-1228.487279	-1.1647	ng/L
Zn-Precon	66	282	425	143.460210	26.7178	ng/L
Zn-Precon	68	286	319	33.067978	22.1361	ng/L
Cd-Precon	111	5	3	-2.330718	0.6631	ng/L
Cd-Precon	114	15	15	-0.804840	1.0445	ng/L
Pb-Precon	208	284	631	347.129827	3.5667	ng/L
Tb-Precon	159	37	66	29.382143		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122439-DUP4

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Tuesday, January 01, 2013 05:07:34

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 158

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122439-DUP4.195

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	4631	2210.428792	826.3314	ng/L
Fe-Precon	54	399	35587249	35586849.843450	72602990.5582	ng/L
Fe-Precon	56	7325	S	S	S	ng/L
Fe-Precon	57	238	18098853	18098615.252719	78177277.7958	ng/L
Co-Precon	59	54	2867	2812.814048	265.6539	ng/L
Ni-Precon	60	44	1123	1079.254897	539.9068	ng/L
Cu-Precon	63	3458	840	-2618.047916	0.8987	ng/L
Cu-Precon	65	1593	372	-1221.229130	-7.7490	ng/L
Zn-Precon	66	282	1738	1456.586020	1286.6112	ng/L
Zn-Precon	68	286	1176	889.680118	1243.2897	ng/L
Cd-Precon	111	5	-4	-9.065330	2.2784	ng/L
Cd-Precon	114	15	-13	-28.811041	3.5556	ng/L
Pb-Precon	208	284	663	379.913021	37.4340	ng/L
Tb-Precon	159	37	427	390.279382		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 05:20:44

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.196

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	405	-2015.668045	-35.9683	ng/L
Fe-Precon	54	399	288083	287684.418961	58724.5043	ng/L
Fe-Precon	56	7325	6527857	6520531.901658	69184.2267	ng/L
Fe-Precon	57	238	145755	145516.915176	62886.9985	ng/L
Co-Precon	59	54	120	65.733079	1.5473	ng/L
Ni-Precon	60	44	78	34.265288	3.9829	ng/L
Cu-Precon	63	3458	585	-2872.966876	-6.1950	ng/L
Cu-Precon	65	1593	259	-1333.980196	-6.8307	ng/L
Zn-Precon	66	282	456	174.260212	29.1089	ng/L
Zn-Precon	68	286	315	28.288143	21.5659	ng/L
Cd-Precon	111	5	5	0.249470	0.8299	ng/L
Cd-Precon	114	15	15	-0.702238	1.0471	ng/L
Pb-Precon	208	284	637	353.412153	3.6006	ng/L
Tb-Precon	159	37	65	28.062604		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122439-MS4

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Tuesday, January 01, 2013 05:33:54

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 159

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122439-MS4.197

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	336496	334075.388831	93961.1362	ng/L
Fe-Precon	54	399	35696689	35696290.004782	72826265.3782	ng/L
Fe-Precon	56	7325	S	S	S	ng/L
Fe-Precon	57	238	18206728	18206490.306496	78643244.0878	ng/L
Co-Precon	59	54	380951	380896.442441	34698.3479	ng/L
Ni-Precon	60	44	76553	76508.884907	36636.6259	ng/L
Cu-Precon	63	3458	176790	173332.704819	43380.6187	ng/L
Cu-Precon	65	1593	84653	83059.679600	45258.9538	ng/L
Zn-Precon	66	282	277325	277043.709177	215236.1332	ng/L
Zn-Precon	68	286	184067	183780.195117	219429.6299	ng/L
Cd-Precon	111	5	60625	60619.674959	39188.4541	ng/L
Cd-Precon	114	15	153167	153151.206321	37687.8255	ng/L
Pb-Precon	208	284	868379	868095.532961	46801.1134	ng/L
Tb-Precon	159	37	431	394.280237		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 05:47:04

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.198

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	10935	8514.054369	259.5385	ng/L
Fe-Precon	54	399	297630	297231.348273	60672.2252	ng/L
Fe-Precon	56	7325	6702942	6695616.949449	71041.1917	ng/L
Fe-Precon	57	238	149341	149102.728842	64435.8907	ng/L
Co-Precon	59	54	563	509.030786	5.5845	ng/L
Ni-Precon	60	44	423	379.206341	20.4900	ng/L
Cu-Precon	63	3458	3018	-440.089783	53.7863	ng/L
Cu-Precon	65	1593	1437	-156.114999	56.4317	ng/L
Zn-Precon	66	282	741	459.535493	51.2560	ng/L
Zn-Precon	68	286	486	199.382282	41.9772	ng/L
Cd-Precon	111	5	33	28.338513	2.6454	ng/L
Cd-Precon	114	15	115	99.904824	3.5221	ng/L
Pb-Precon	208	284	1252	968.749200	6.9168	ng/L
Tb-Precon	159	37	50	13.780264		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCVA

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 06:00:15

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCVA.199

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	64161	61740.077528	1753.2772	ng/L
Fe-Precon	54	399	61728	61329.739430	12544.6561	ng/L
Fe-Precon	56	7325	1301902	1294577.042216	13757.3597	ng/L
Fe-Precon	57	238	31135	30896.988864	13376.9216	ng/L
Co-Precon	59	54	77506	77451.975600	706.3164	ng/L
Ni-Precon	60	44	13216	13172.007659	632.6873	ng/L
Cu-Precon	63	3458	31386	27928.233794	753.1922	ng/L
Cu-Precon	65	1593	14383	12789.858848	751.7511	ng/L
Zn-Precon	66	282	50042	49760.743650	3878.7099	ng/L
Zn-Precon	68	286	32860	32573.409676	3904.1625	ng/L
Cd-Precon	111	5	10873	10868.317282	703.2657	ng/L
Cd-Precon	114	15	27650	27634.324925	680.9046	ng/L
Pb-Precon	208	284	131500	131216.412909	708.8588	ng/L
Tb-Precon	159	37	30	-6.621653		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 06:13:27

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.200

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	2395	-25.919456	19.8721	ng/L
Fe-Precon	54	399	30094	29695.560925	6090.7955	ng/L
Fe-Precon	56	7325	581217	573891.809047	6113.7184	ng/L
Fe-Precon	57	238	15049	14810.459775	6428.3454	ng/L
Co-Precon	59	54	346	291.403631	3.6025	ng/L
Ni-Precon	60	44	199	155.141251	9.7674	ng/L
Cu-Precon	63	3458	3736	278.362536	71.4993	ng/L
Cu-Precon	65	1593	1738	144.352958	72.5696	ng/L
Zn-Precon	66	282	600	318.739889	40.3255	ng/L
Zn-Precon	68	286	405	118.858613	32.3708	ng/L
Cd-Precon	111	5	15	9.939859	1.4562	ng/L
Cd-Precon	114	15	37	21.487775	1.5930	ng/L
Pb-Precon	208	284	1017	733.291262	5.6479	ng/L
Tb-Precon	159	37	32	-4.924679		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCBA

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 06:26:39

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCBA.201

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1024	-1397.000012	-18.6060	ng/L
Fe-Precon	54	399	14596	14197.270218	2928.9050	ng/L
Fe-Precon	56	7325	284557	277232.187206	2967.3243	ng/L
Fe-Precon	57	238	7484	7246.322915	3161.0165	ng/L
Co-Precon	59	54	196	141.941476	2.2413	ng/L
Ni-Precon	60	44	69	24.879940	3.5337	ng/L
Cu-Precon	63	3458	3642	184.729990	69.1909	ng/L
Cu-Precon	65	1593	1702	108.679184	70.6536	ng/L
Zn-Precon	66	282	320	38.615969	18.5783	ng/L
Zn-Precon	68	286	207	-79.827492	8.6678	ng/L
Cd-Precon	111	5	4	-0.863130	0.7580	ng/L
Cd-Precon	114	15	15	-0.690337	1.0474	ng/L
Pb-Precon	208	284	759	475.737277	4.2598	ng/L
Tb-Precon	159	37	22	-14.188797		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 06:39:50

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.202

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	794	-1626.919679	-25.0585	ng/L
Fe-Precon	54	399	12814	12415.261827	2565.3477	ng/L
Fe-Precon	56	7325	247331	240005.908332	2572.4996	ng/L
Fe-Precon	57	238	6460	6221.806571	2718.4767	ng/L
Co-Precon	59	54	164	110.085065	1.9512	ng/L
Ni-Precon	60	44	80	35.723419	4.0527	ng/L
Cu-Precon	63	3458	1154	-2304.008298	7.8324	ng/L
Cu-Precon	65	1593	548	-1045.454666	8.6658	ng/L
Zn-Precon	66	282	478	196.733668	30.8536	ng/L
Zn-Precon	68	286	323	36.370495	22.5301	ng/L
Cd-Precon	111	5	5	-0.472727	0.7832	ng/L
Cd-Precon	114	15	15	-0.137524	1.0610	ng/L
Pb-Precon	208	284	819	535.408759	4.5814	ng/L
Tb-Precon	159	37	32	-4.249348		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B122439-MSD4

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Tuesday, January 01, 2013 06:53:00

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 160

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\B122439-MSD4.203

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	314226	311805.324750	87711.2505	ng/L
Fe-Precon	54	399	34049696	34049297.451076	69466146.3729	ng/L
Fe-Precon	56	7325	S	S	S	ng/L
Fe-Precon	57	238	17303495	17303256.421938	74741725.3465	ng/L
Co-Precon	59	54	364244	364190.054594	33176.8699	ng/L
Ni-Precon	60	44	71551	71506.748700	34242.8622	ng/L
Cu-Precon	63	3458	167462	164003.885944	41080.6482	ng/L
Cu-Precon	65	1593	79891	78298.152310	42701.5699	ng/L
Zn-Precon	66	282	258965	258683.701488	200982.5106	ng/L
Zn-Precon	68	286	172334	172047.893560	205433.1253	ng/L
Cd-Precon	111	5	57474	57468.627919	37151.8378	ng/L
Cd-Precon	114	15	143908	143892.473759	35410.0573	ng/L
Pb-Precon	208	284	849384	849100.770273	45777.4312	ng/L
Tb-Precon	159	37	389	352.556280		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 07:06:11

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.204

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	10200	7779.468425	238.9230	ng/L
Fe-Precon	54	399	278126	277727.556737	56693.1507	ng/L
Fe-Precon	56	7325	6245055	6237730.395118	66184.8128	ng/L
Fe-Precon	57	238	140690	140452.059799	60699.2342	ng/L
Co-Precon	59	54	603	548.368066	5.9427	ng/L
Ni-Precon	60	44	405	360.967411	19.6172	ng/L
Cu-Precon	63	3458	3203	-254.838992	58.3535	ng/L
Cu-Precon	65	1593	1479	-113.707033	58.7094	ng/L
Zn-Precon	66	282	724	442.609412	49.9420	ng/L
Zn-Precon	68	286	466	179.134374	39.5617	ng/L
Cd-Precon	111	5	27	21.507450	2.2039	ng/L
Cd-Precon	114	15	82	66.322996	2.6960	ng/L
Pb-Precon	208	284	1143	859.105649	6.3259	ng/L
Tb-Precon	159	37	42	5.371504		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-02RE2

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Tuesday, January 01, 2013 07:19:22

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 201

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-02RE2.205

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	2955	534.187519	355.9099	ng/L
Fe-Precon	54	399	6612845	6612445.932742	13490734.6903	ng/L
Fe-Precon	56	7325	132187479	132180154.420985	14019395.5400	ng/L
Fe-Precon	57	238	3366264	3366025.706434	14539857.6266	ng/L
Co-Precon	59	54	1606	1552.233703	150.8508	ng/L
Ni-Precon	60	44	1255	1211.136893	603.0187	ng/L
Cu-Precon	63	3458	797	-2660.432540	-9.5510	ng/L
Cu-Precon	65	1593	401	-1192.503532	7.6794	ng/L
Zn-Precon	66	282	841	559.178391	589.9170	ng/L
Zn-Precon	68	286	568	281.428669	517.6526	ng/L
Cd-Precon	111	5	-216	-221.610442	-135.0959	ng/L
Cd-Precon	114	15	-393	-408.014151	-89.7333	ng/L
Pb-Precon	208	284	624	340.712102	35.3214	ng/L
Tb-Precon	159	37	1714	1677.536030		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 07:32:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.206

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1448	-972.666702	-6.6975	ng/L
Fe-Precon	54	399	94971	94572.578475	19326.7083	ng/L
Fe-Precon	56	7325	2108346	2101021.020502	22310.5647	ng/L
Fe-Precon	57	238	47784	47545.697400	20568.3312	ng/L
Co-Precon	59	54	271	217.152835	2.9263	ng/L
Ni-Precon	60	44	105	60.828517	5.2541	ng/L
Cu-Precon	63	3458	699	-2758.659610	-3.3768	ng/L
Cu-Precon	65	1593	311	-1281.752562	-4.0256	ng/L
Zn-Precon	66	282	470	188.394724	30.2063	ng/L
Zn-Precon	68	286	326	39.928537	22.9546	ng/L
Cd-Precon	111	5	-13	-18.400755	-0.3755	ng/L
Cd-Precon	114	15	-5	-20.652430	0.5563	ng/L
Pb-Precon	208	284	706	422.473385	3.9728	ng/L
Tb-Precon	159	37	117	79.952776		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-03RE2

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Tuesday, January 01, 2013 07:45:43

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 202

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-03RE2.207

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	10282	7861.276776	2412.1891	ng/L
Fe-Precon	54	399	2194955	2194556.673245	4477558.7469	ng/L
Fe-Precon	56	7325	43838173	43830848.427333	4649002.2610	ng/L
Fe-Precon	57	238	1053937	1053698.627827	4551760.8696	ng/L
Co-Precon	59	54	2114	2060.331525	197.1241	ng/L
Ni-Precon	60	44	2907	2862.658848	1393.3516	ng/L
Cu-Precon	63	3458	2103	-1354.739726	312.3606	ng/L
Cu-Precon	65	1593	987	-606.035996	322.6671	ng/L
Zn-Precon	66	282	1278	996.007943	929.0456	ng/L
Zn-Precon	68	286	854	567.421850	858.8392	ng/L
Cd-Precon	111	5	-56	-60.841935	-31.1863	ng/L
Cd-Precon	114	15	-87	-102.724903	-14.6282	ng/L
Pb-Precon	208	284	627	343.008266	35.4451	ng/L
Tb-Precon	159	37	482	445.001340		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 07:58:53

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.208

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	858	-1563.326925	-23.2738	ng/L
Fe-Precon	54	399	50442	50043.476407	10242.0843	ng/L
Fe-Precon	56	7325	1023188	1015863.249335	10801.3004	ng/L
Fe-Precon	57	238	25195	24956.520293	10810.9362	ng/L
Co-Precon	59	54	258	203.382131	2.8009	ng/L
Ni-Precon	60	44	80	35.792631	4.0560	ng/L
Cu-Precon	63	3458	622	-2835.552171	-5.2726	ng/L
Cu-Precon	65	1593	295	-1297.799541	-4.8874	ng/L
Zn-Precon	66	282	476	194.621558	30.6897	ng/L
Zn-Precon	68	286	318	31.482466	21.9470	ng/L
Cd-Precon	111	5	2	-2.871981	0.6281	ng/L
Cd-Precon	114	15	15	-0.314015	1.0566	ng/L
Pb-Precon	208	284	723	439.784443	4.0661	ng/L
Tb-Precon	159	37	56	19.383787		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-04RE2

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Tuesday, January 01, 2013 08:12:03

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 203

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-04RE2.209

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	722579	720158.200430	202311.6752	ng/L
Fe-Precon	54	399	2040197	2039798.700775	4161828.5978	ng/L
Fe-Precon	56	7325	41845263	41837937.568841	4437632.6491	ng/L
Fe-Precon	57	238	998833	998595.001704	4313740.7579	ng/L
Co-Precon	59	54	19992	19937.656529	1825.2413	ng/L
Ni-Precon	60	44	15271	15227.113158	7310.3399	ng/L
Cu-Precon	63	3458	34613	31155.364701	8327.5535	ng/L
Cu-Precon	65	1593	13382	11788.727469	6979.8102	ng/L
Zn-Precon	66	282	9381	9099.301085	7219.9626	ng/L
Zn-Precon	68	286	3209	2922.492592	3668.4123	ng/L
Cd-Precon	111	5	-20	-25.461798	-8.3191	ng/L
Cd-Precon	114	15	-8	-23.410459	4.8842	ng/L
Pb-Precon	208	284	14445	14161.759845	780.1772	ng/L
Tb-Precon	159	37	2867	2830.722501		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 08:25:13

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.210

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	8349	5928.054982	186.9648	ng/L
Fe-Precon	54	399	41453	41053.975083	8408.0873	ng/L
Fe-Precon	56	7325	802745	795419.687085	8463.2596	ng/L
Fe-Precon	57	238	20784	20545.722448	8905.6921	ng/L
Co-Precon	59	54	268	214.043840	2.8980	ng/L
Ni-Precon	60	44	155	111.319878	7.6703	ng/L
Cu-Precon	63	3458	1851	-1607.154127	25.0129	ng/L
Cu-Precon	65	1593	623	-969.805309	12.7289	ng/L
Zn-Precon	66	282	570	287.998369	37.9389	ng/L
Zn-Precon	68	286	310	23.984980	21.0525	ng/L
Cd-Precon	111	5	3	-2.590220	0.6463	ng/L
Cd-Precon	114	15	6	-9.076610	0.8411	ng/L
Pb-Precon	208	284	673	389.535607	3.7953	ng/L
Tb-Precon	159	37	56	19.491114		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-05RE2

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Tuesday, January 01, 2013 08:38:24

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 204

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-05RE2.211

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	9906	7484.699661	2306.5063	ng/L
Fe-Precon	54	399	11784748	11784348.845492	24042214.8604	ng/L
Fe-Precon	56	7325	234640318	234632992.837500	24885619.9853	ng/L
Fe-Precon	57	238	6014473	6014235.406485	25978799.3584	ng/L
Co-Precon	59	54	3083	3028.397985	285.2875	ng/L
Ni-Precon	60	44	3010	2965.610077	1442.6188	ng/L
Cu-Precon	63	3458	3687	229.282894	702.8929	ng/L
Cu-Precon	65	1593	1588	-5.128632	645.4103	ng/L
Zn-Precon	66	282	12003	11721.983037	9256.0575	ng/L
Zn-Precon	68	286	7851	7564.547636	9206.3321	ng/L
Cd-Precon	111	5	37	31.426456	28.4495	ng/L
Cd-Precon	114	15	73	57.163680	24.7065	ng/L
Pb-Precon	208	284	1217	933.264974	67.2557	ng/L
Tb-Precon	159	37	288	251.434521		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 08:51:34

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.212

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1369	-1052.469871	-8.9371	ng/L
Fe-Precon	54	399	134116	133717.824778	27312.9428	ng/L
Fe-Precon	56	7325	2959909	2952583.760851	31342.3026	ng/L
Fe-Precon	57	238	66223	65984.501492	28532.9726	ng/L
Co-Precon	59	54	249	194.496545	2.7199	ng/L
Ni-Precon	60	44	90	46.137426	4.5510	ng/L
Cu-Precon	63	3458	787	-2671.170241	-1.2198	ng/L
Cu-Precon	65	1593	317	-1275.920569	-3.7123	ng/L
Zn-Precon	66	282	500	218.346031	32.5315	ng/L
Zn-Precon	68	286	343	56.735561	24.9596	ng/L
Cd-Precon	111	5	2	-3.170668	0.6088	ng/L
Cd-Precon	114	15	14	-1.402149	1.0299	ng/L
Pb-Precon	208	284	688	404.085813	3.8737	ng/L
Tb-Precon	159	37	33	-3.594805		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-06RE2.

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Tuesday, January 01, 2013 09:04:44

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 205

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-06RE2..213

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	9039	6617.562907	2063.1524	ng/L
Fe-Precon	54	399	32270921	32270522.421853	65837170.7784	ng/L
Fe-Precon	56	7325	S	S	S	ng/L
Fe-Precon	57	238	16398145	16397906.909427	70831068.1503	ng/L
Co-Precon	59	54	10420	10365.366912	953.4773	ng/L
Ni-Precon	60	44	1708	1664.074191	819.7710	ng/L
Cu-Precon	63	3458	1210	-2247.360799	92.2896	ng/L
Cu-Precon	65	1593	493	-1100.085054	57.3167	ng/L
Zn-Precon	66	282	4253	3971.468570	3239.0171	ng/L
Zn-Precon	68	286	2830	2543.865561	3216.7145	ng/L
Cd-Precon	111	5	-0	-5.404767	4.6444	ng/L
Cd-Precon	114	15	-1	-16.148079	6.6709	ng/L
Pb-Precon	208	284	484	200.143211	27.7457	ng/L
Tb-Precon	159	37	611	574.150532		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 09:17:53

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.214

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	906	-1515.371371	-21.9280	ng/L
Fe-Precon	54	399	269570	269170.855547	54947.4516	ng/L
Fe-Precon	56	7325	6117183	6109857.737528	64828.5858	ng/L
Fe-Precon	57	238	134653	134415.250387	58091.6344	ng/L
Co-Precon	59	54	299	244.504556	3.1754	ng/L
Ni-Precon	60	44	75	31.480953	3.8496	ng/L
Cu-Precon	63	3458	592	-2865.451258	-6.0097	ng/L
Cu-Precon	65	1593	257	-1336.224913	-6.9512	ng/L
Zn-Precon	66	282	483	201.515651	31.2249	ng/L
Zn-Precon	68	286	334	47.394055	23.8452	ng/L
Cd-Precon	111	5	4	-1.176265	0.7377	ng/L
Cd-Precon	114	15	18	2.806950	1.1334	ng/L
Pb-Precon	208	284	713	429.184554	4.0089	ng/L
Tb-Precon	159	37	38	1.697025		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-07RE2

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Tuesday, January 01, 2013 09:31:03

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 206

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-07RE2.215

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	8788	6366.492552	1992.6919	ng/L
Fe-Precon	54	399	31365564	31365165.728674	63990103.3921	ng/L
Fe-Precon	56	7325	S	S	S	ng/L
Fe-Precon	57	238	16093150	16092911.638125	69513641.0837	ng/L
Co-Precon	59	54	9736	9681.623420	891.2076	ng/L
Ni-Precon	60	44	1576	1531.743264	756.4443	ng/L
Cu-Precon	63	3458	723	-2735.105351	-27.9612	ng/L
Cu-Precon	65	1593	271	-1322.194987	-61.9770	ng/L
Zn-Precon	66	282	4018	3736.738360	3056.7864	ng/L
Zn-Precon	68	286	2674	2387.143103	3029.7463	ng/L
Cd-Precon	111	5	1	-4.385356	5.3032	ng/L
Cd-Precon	114	15	6	-9.285338	8.3592	ng/L
Pb-Precon	208	284	522	238.181985	29.7957	ng/L
Tb-Precon	159	37	650	613.475748		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 09:44:13

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.216

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	772	-1648.572855	-25.6661	ng/L
Fe-Precon	54	399	260479	260079.974100	53092.7715	ng/L
Fe-Precon	56	7325	5888426	5881100.665410	62402.3713	ng/L
Fe-Precon	57	238	130445	130207.163022	56273.9511	ng/L
Co-Precon	59	54	270	215.938115	2.9152	ng/L
Ni-Precon	60	44	77	32.841970	3.9148	ng/L
Cu-Precon	63	3458	523	-2935.033532	-7.7252	ng/L
Cu-Precon	65	1593	215	-1378.420181	-9.2175	ng/L
Zn-Precon	66	282	460	178.096224	29.4067	ng/L
Zn-Precon	68	286	328	41.978763	23.1992	ng/L
Cd-Precon	111	5	4	-1.066383	0.7448	ng/L
Cd-Precon	114	15	14	-1.260687	1.0333	ng/L
Pb-Precon	208	284	686	402.779953	3.8666	ng/L
Tb-Precon	159	37	33	-3.421639		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-08RE2

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Tuesday, January 01, 2013 09:57:22

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 207

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-08RE2.217

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	752798	750377.181478	210792.3503	ng/L
Fe-Precon	54	399	1014068	1013669.123638	2068365.8883	ng/L
Fe-Precon	56	7325	21076866	21069541.197751	2234921.0423	ng/L
Fe-Precon	57	238	461323	461084.877783	1991965.7914	ng/L
Co-Precon	59	54	19213	19159.226066	1754.3484	ng/L
Ni-Precon	60	44	46637	46592.868787	22320.3681	ng/L
Cu-Precon	63	3458	21317	17859.010366	5049.4083	ng/L
Cu-Precon	65	1593	5901	4307.455982	2961.6702	ng/L
Zn-Precon	66	282	12163	11881.596975	9379.9723	ng/L
Zn-Precon	68	286	4563	4277.098693	5284.4422	ng/L
Cd-Precon	111	5	81	75.828026	57.1476	ng/L
Cd-Precon	114	15	100	84.501209	31.4319	ng/L
Pb-Precon	208	284	16283	15999.903311	879.2400	ng/L
Tb-Precon	159	37	9273	9236.311551		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 10:10:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.218

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	6639	4217.540276	138.9608	ng/L
Fe-Precon	54	399	27240	26841.341889	5508.4907	ng/L
Fe-Precon	56	7325	534020	526694.793750	5613.1433	ng/L
Fe-Precon	57	238	13889	13651.057786	5927.5417	ng/L
Co-Precon	59	54	212	158.194865	2.3893	ng/L
Ni-Precon	60	44	352	308.045878	17.0846	ng/L
Cu-Precon	63	3458	1525	-1933.047287	16.9782	ng/L
Cu-Precon	65	1593	426	-1167.065481	2.1342	ng/L
Zn-Precon	66	282	569	287.580820	37.9065	ng/L
Zn-Precon	68	286	336	49.250408	24.0666	ng/L
Cd-Precon	111	5	4	-0.642241	0.7723	ng/L
Cd-Precon	114	15	12	-3.453288	0.9794	ng/L
Pb-Precon	208	284	659	375.978787	3.7222	ng/L
Tb-Precon	159	37	77	40.017755		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-09RE2

Sample Description: 10x

Batch ID: B122439

Sample Date/Time: Tuesday, January 01, 2013 10:23:41

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 208

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\1245032-09RE2.219

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	6725913	6723492.381058	1887091.4035	ng/L
Fe-Precon	54	399	1486127	1485728.364156	3031439.5963	ng/L
Fe-Precon	56	7325	31213589	31206263.493373	3310029.3683	ng/L
Fe-Precon	57	238	686566	686328.074208	2964903.7726	ng/L
Co-Precon	59	54	25779	25725.207670	2352.3231	ng/L
Ni-Precon	60	44	168579	168534.680655	80675.4115	ng/L
Cu-Precon	63	3458	39016	35558.179165	9413.0440	ng/L
Cu-Precon	65	1593	30903	29310.021850	16390.3783	ng/L
Zn-Precon	66	282	71216	70934.516899	55225.1622	ng/L
Zn-Precon	68	286	25997	25710.492321	30854.2413	ng/L
Cd-Precon	111	5	384	378.563776	252.8148	ng/L
Cd-Precon	114	15	881	865.852821	223.6545	ng/L
Pb-Precon	208	284	264877	264593.507638	14276.6612	ng/L
Tb-Precon	159	37	4058	4021.623136		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 10:36:51

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.220

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	50774	48352.563615	1377.5691	ng/L
Fe-Precon	54	399	15673	15273.924572	3148.5591	ng/L
Fe-Precon	56	7325	302522	295196.732357	3157.8576	ng/L
Fe-Precon	57	238	7994	7755.838156	3381.1016	ng/L
Co-Precon	59	54	211	156.376227	2.3728	ng/L
Ni-Precon	60	44	1191	1147.480551	57.2556	ng/L
Cu-Precon	63	3458	2152	-1305.500765	32.4500	ng/L
Cu-Precon	65	1593	957	-636.443551	30.6335	ng/L
Zn-Precon	66	282	766	484.095538	53.1627	ng/L
Zn-Precon	68	286	333	46.520954	23.7410	ng/L
Cd-Precon	111	5	8	2.435690	0.9712	ng/L
Cd-Precon	114	15	11	-4.176819	0.9616	ng/L
Pb-Precon	208	284	737	453.741456	4.1413	ng/L
Tb-Precon	159	37	108	71.571308		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCVB

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 10:50:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCVB.221

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	59000	56578.972870	1608.4356	ng/L
Fe-Precon	54	399	18809	18410.651778	3788.4998	ng/L
Fe-Precon	56	7325	365481	358155.801071	3825.6062	ng/L
Fe-Precon	57	238	9646	9408.057669	4094.7778	ng/L
Co-Precon	59	54	67854	67800.294820	618.4170	ng/L
Ni-Precon	60	44	11401	11357.529013	545.8557	ng/L
Cu-Precon	63	3458	26689	23230.803697	637.3795	ng/L
Cu-Precon	65	1593	12453	10859.550983	648.0756	ng/L
Zn-Precon	66	282	42603	42321.810080	3301.1951	ng/L
Zn-Precon	68	286	27957	27670.940539	3319.3034	ng/L
Cd-Precon	111	5	9134	9129.238496	590.8639	ng/L
Cd-Precon	114	15	23094	23078.987816	568.8374	ng/L
Pb-Precon	208	284	108536	108252.078868	585.0974	ng/L
Tb-Precon	159	37	32	-4.533353		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 11:03:15

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.222

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	3732	1311.051009	57.3929	ng/L
Fe-Precon	54	399	9002	8603.705157	1787.7314	ng/L
Fe-Precon	56	7325	177327	170001.851925	1830.0314	ng/L
Fe-Precon	57	238	4709	4470.500243	1961.9999	ng/L
Co-Precon	59	54	365	310.718985	3.7784	ng/L
Ni-Precon	60	44	268	224.026824	13.0639	ng/L
Cu-Precon	63	3458	3774	316.704556	72.4446	ng/L
Cu-Precon	65	1593	1722	129.204344	71.7560	ng/L
Zn-Precon	66	282	548	266.440471	36.2653	ng/L
Zn-Precon	68	286	360	73.371288	26.9442	ng/L
Cd-Precon	111	5	15	9.630989	1.4362	ng/L
Cd-Precon	114	15	33	17.191930	1.4873	ng/L
Pb-Precon	208	284	643	359.180109	3.6317	ng/L
Tb-Precon	159	37	90	53.745997		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCBB

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 11:16:26

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-CCBB.223

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1205	-1215.689888	-13.5177	ng/L
Fe-Precon	54	399	4101	3702.407889	787.7911	ng/L
Fe-Precon	56	7325	78955	71629.715030	786.6891	ng/L
Fe-Precon	57	238	2121	1882.850473	844.2646	ng/L
Co-Precon	59	54	172	117.814457	2.0216	ng/L
Ni-Precon	60	44	82	37.586596	4.1418	ng/L
Cu-Precon	63	3458	3171	-286.884733	57.5635	ng/L
Cu-Precon	65	1593	1440	-153.425898	56.5761	ng/L
Zn-Precon	66	282	242	-39.024732	12.5508	ng/L
Zn-Precon	68	286	180	-106.036245	5.5411	ng/L
Cd-Precon	111	5	3	-1.624905	0.7087	ng/L
Cd-Precon	114	15	8	-7.387089	0.8826	ng/L
Pb-Precon	208	284	457	173.537273	2.6312	ng/L
Tb-Precon	159	37	28	-8.419080		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 11:29:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.224

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	1111	-1309.746776	-16.1573	ng/L
Fe-Precon	54	399	4927	4528.136403	956.2524	ng/L
Fe-Precon	56	7325	96421	89095.548461	971.9331	ng/L
Fe-Precon	57	238	2549	2310.951314	1029.1828	ng/L
Co-Precon	59	54	145	90.935592	1.7768	ng/L
Ni-Precon	60	44	110	66.404282	5.5209	ng/L
Cu-Precon	63	3458	978	-2479.875514	3.4964	ng/L
Cu-Precon	65	1593	419	-1174.473944	1.7363	ng/L
Zn-Precon	66	282	412	130.259503	25.6930	ng/L
Zn-Precon	68	286	269	-17.413293	16.1137	ng/L
Cd-Precon	111	5	6	0.941289	0.8746	ng/L
Cd-Precon	114	15	13	-2.516994	1.0024	ng/L
Pb-Precon	208	284	474	190.562657	2.7229	ng/L
Tb-Precon	159	37	77	40.727646		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 11:42:48

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.225

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	792	-1628.873954	-25.1133	ng/L
Fe-Precon	54	399	4116	3717.589461	790.8883	ng/L
Fe-Precon	56	7325	79652	72327.353024	794.0883	ng/L
Fe-Precon	57	238	2125	1886.995155	846.0549	ng/L
Co-Precon	59	54	153	99.081712	1.8510	ng/L
Ni-Precon	60	44	82	38.178771	4.1702	ng/L
Cu-Precon	63	3458	504	-2953.994282	-8.1927	ng/L
Cu-Precon	65	1593	216	-1377.530725	-9.1697	ng/L
Zn-Precon	66	282	415	133.318879	25.9305	ng/L
Zn-Precon	68	286	282	-4.463573	17.6586	ng/L
Cd-Precon	111	5	7	1.521532	0.9121	ng/L
Cd-Precon	114	15	10	-5.861014	0.9202	ng/L
Pb-Precon	208	284	453	169.444328	2.6091	ng/L
Tb-Precon	159	37	79	42.410775		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 11:55:57

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.226

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	598	-1823.130929	-30.5650	ng/L
Fe-Precon	54	399	3433	3034.088837	651.4437	ng/L
Fe-Precon	56	7325	66149	58824.030803	650.8711	ng/L
Fe-Precon	57	238	1712	1473.993232	667.6587	ng/L
Co-Precon	59	54	127	72.781350	1.6115	ng/L
Ni-Precon	60	44	76	31.986494	3.8738	ng/L
Cu-Precon	63	3458	466	-2991.679961	-9.1218	ng/L
Cu-Precon	65	1593	208	-1385.008293	-9.5714	ng/L
Zn-Precon	66	282	403	121.079209	24.9803	ng/L
Zn-Precon	68	286	303	16.934227	20.2114	ng/L
Cd-Precon	111	5	5	0.101201	0.8203	ng/L
Cd-Precon	114	15	15	-0.707404	1.0469	ng/L
Pb-Precon	208	284	467	183.033549	2.6824	ng/L
Tb-Precon	159	37	80	43.775295		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Tuesday, January 01, 2013 12:09:07

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\12-12\1200980.sam

Method File: C:\Elandata\Method\2012\12-12\1200980-0063-ICPMS2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\12-12\1200980\rinse.227

Calibration File: C:\Elandata\System\2012\12-12\1200980.cal

Blank File: C:\Elandata\DataSet\Data\2012\12-12\1200980\SEQ-ICB1.005

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	2421	497	-1923.753054	-33.3888	ng/L
Fe-Precon	54	399	3106	2706.855962	584.6831	ng/L
Fe-Precon	56	7325	60089	52763.530095	586.5930	ng/L
Fe-Precon	57	238	1598	1359.690098	618.2855	ng/L
Co-Precon	59	54	131	77.255612	1.6522	ng/L
Ni-Precon	60	44	71	27.099808	3.6400	ng/L
Cu-Precon	63	3458	438	-3019.509822	-9.8080	ng/L
Cu-Precon	65	1593	205	-1388.322866	-9.7494	ng/L
Zn-Precon	66	282	401	119.981151	24.8950	ng/L
Zn-Precon	68	286	280	-6.250489	17.4455	ng/L
Cd-Precon	111	5	5	0.336248	0.8355	ng/L
Cd-Precon	114	15	13	-2.626466	0.9997	ng/L
Pb-Precon	208	284	418	134.807314	2.4225	ng/L
Tb-Precon	159	37	81	44.048903		mg/L

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1300016

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1300016-ICB1	1300016	QC	1		-			
1300016-CAL1	1300016	QC	2	1227100	-			
1300016-CAL2	1300016	QC	3	1227099	-			
1300016-CAL3	1300016	QC	4	1227098	-			
1300016-CAL4	1300016	QC	5	1227097	-			
1300016-CAL5	1300016	QC	6	1227096	-			
1300016-CAL6	1300016	QC	7	1227095	-			
1300016-CAL7	1300016	QC	8	1227094	-			
1300016-ICB2	1300016	QC	9		-			
1300016-ICV1	1300016	QC	10	1245089	-			
1300016-ICV2	1300016	QC	11	1245090	-			
1300016-ICB3	1300016	QC	12		-			
1300016-IBL1	1300016	QC	13		-			
1300016-IBL2	1300016	QC	14		-			
1300016-IBL3	1300016	QC	15		-			
1300016-IBL4	1300016	QC	16		-			
1300016-SCV1	1300016	QC	17	1245085	-			
1300016-SCV2	1300016	QC	18	1245086	-			
1300016-CCV1	1300016	QC	19	1227097	-			
1300016-CCB1	1300016	QC	20		-			
B130013-BLK1	B130013	QC	21		-			
B130013-BLK2	B130013	QC	22		-			
B130013-BLK3	B130013	QC	23		-			
B130013-BLK4	B130013	QC	24		-			
B130013-BS1	B130013	QC	25		-			
B130013-SRM1	B130013	QC	26		-			

ANALYSIS SEQUENCE

BRL Report 1245005

1300016

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B130013-SRM2	B130013	QC	27		-			
B130013-SRM3	B130013	QC	28		-			
B130013-SRM4	B130013	QC	29		-			
B130013-SRM5	B130013	QC	30		-			
B130013-SRM6	B130013	QC	31		-			
1247017-01RE2	B130013	Ni-W-ChelCol-ICPMS-Diss	32			SFE-OA1101	12/13/2012	From B122441 by KDM on 01/04/13
B130013-DUP1	B130013	QC	33		1247017-01RE2			
B130013-MS1	B130013	QC	34		1247017-01RE2			
B130013-MSD1	B130013	QC	35		1247017-01RE2			
1247017-02RE2	B130013	Ni-W-ChelCol-ICPMS-Diss	36			SFE-OA1101	12/13/2012	From B122441 by KDM on 01/04/13
1300016-CCV2	1300016	QC	37	1227097	-			
1300016-CCB2	1300016	QC	38		-			
1247017-03RE2	B130013	Ni-W-ChelCol-ICPMS-Diss	39			SFE-OA1101	12/13/2012	From B122441 by KDM on 01/04/13
1247017-04RE2	B130013	Ni-W-ChelCol-ICPMS-Diss	40			SFE-OA1101	12/13/2012	From B122441 by KDM on 01/04/13
1247017-05RE2	B130013	Ni-W-ChelCol-ICPMS-Diss	41			SFE-OA1101	12/13/2012	From B122441 by KDM on 01/04/13
1247017-06RE2	B130013	Ni-W-ChelCol-ICPMS-Diss	42			SFE-OA1101	12/13/2012	From B122441 by KDM on 01/04/13
1247017-07RE2	B130013	Ni-W-ChelCol-ICPMS-Diss	43			SFE-OA1101	12/13/2012	From B122441 by KDM on 01/04/13
1247017-08RE2	B130013	Ni-W-ChelCol-ICPMS-Diss	44			SFE-OA1101	12/13/2012	From B122441 by KDM on 01/04/13
1247017-09RE2	B130013	Ni-W-ChelCol-ICPMS-Diss	45			SFE-OA1101	12/13/2012	From B122441 by KDM on 01/04/13
1247017-10RE2	B130013	Ni-W-ChelCol-ICPMS-Diss	46			SFE-OA1101	12/13/2012	From B122441 by KDM on 01/04/13
1300016-CCV3	1300016	QC	47	1227097	-			
1300016-CCB3	1300016	QC	48		-			
1247017-11RE2	B130013	Ni-W-ChelCol-ICPMS-Diss	49			SFE-OA1101	12/13/2012	From B122441 by KDM on 01/04/13
B130013-DUP2	B130013	QC	50		1247017-11RE2			
B130013-MS2	B130013	QC	51		1247017-11RE2			
B130013-MSD2	B130013	QC	52		1247017-11RE2			

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1300016

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1247017-12RE2	B130013	Ni-W-ChelCol-ICPMS-Diss	53			SFE-OA1101	12/13/2012	From B122441 by KDM on 01/04/13
1300016-CCV4	1300016	QC	54	1227097	-			
1300016-CCB4	1300016	QC	55		-			
B130014-BLK1	B130014	QC	56		-			
B130014-BLK2	B130014	QC	57		-			
B130014-BLK3	B130014	QC	58		-			
B130014-BLK4	B130014	QC	59		-			
B130014-BS1	B130014	QC	60		-			
B130014-SRM1	B130014	QC	61		-			
B130014-SRM2	B130014	QC	62		-			
B130014-SRM3	B130014	QC	63		-			
B130014-SRM4	B130014	QC	64		-			
B130014-SRM5	B130014	QC	65		-			
B130014-SRM6	B130014	QC	66		-			
1245032-10RE2	B130014	Zn-W-ChelCol-ICPMS-Diss	67			HCI-SE1201	12/3/2012	
1245032-10RE2	B130014	Ni-W-ChelCol-ICPMS-Diss	68			HCI-SE1201	12/3/2012	
1245005-19RE2	B130014	Zn-W-ChelCol-ICPMS-Diss	69			UDE-SL1201	1/1/1980	BatchQC
1245005-19RE2	B130014	Pb-W-ChelCol-ICPMS-Diss	70			UDE-SL1201	1/1/1980	BatchQC
1245005-19RE2	B130014	Ni-W-ChelCol-ICPMS-Diss	71			UDE-SL1201	1/1/1980	BatchQC
1245005-19RE2	B130014	Cu-W-ChelCol-ICPMS-TR	72			UDE-SL1201	12/5/2012	From B122439 by KDM on 01/04/13
1245005-19RE2	B130014	Cu-W-ChelCol-ICPMS-Diss	73			UDE-SL1201	1/1/1980	BatchQC
B130014-DUP1	B130014	QC	74		1245005-19RE2			
B130014-MS1	B130014	QC	75		1245005-19RE2			
1300016-CCV5	1300016	QC	76	1227096	-			
1300016-CCB5	1300016	QC	77		-			
B130014-MSD1	B130014	QC	78		1245005-19RE2			

ANALYSIS SEQUENCE

BRL Report 1245005

1300016

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1245005-20RE2	B130014	Cu-W-ChelCol-ICPMS-TR	79			UDE-SL1201	12/5/2012	From B122439 by KDM on 01/04/13
1245005-21RE2	B130014	Cu-W-ChelCol-ICPMS-TR	80			UDE-SL1201	12/5/2012	From B122439 by KDM on 01/04/13
1245005-22RE2	B130014	Cu-W-ChelCol-ICPMS-TR	81			UDE-SL1201	12/5/2012	From B122439 by KDM on 01/04/13
1245005-23RE2	B130014	Cu-W-ChelCol-ICPMS-TR	82			UDE-SL1201	12/5/2012	From B122439 by KDM on 01/04/13
1245005-24RE2	B130014	Cu-W-ChelCol-ICPMS-TR	83			UDE-SL1201	12/5/2012	From B122439 by KDM on 01/04/13
1245005-25RE2	B130014	Cu-W-ChelCol-ICPMS-TR	84			UDE-SL1201	12/5/2012	From B122439 by KDM on 01/04/13
1245020-04RE2	B130014	Zn-W-ChelCol-ICPMS-Diss	85			UDE-SL1201	1/1/1980	BatchQC
1245020-04RE2	B130014	Pb-W-ChelCol-ICPMS-Diss	86			UDE-SL1201	1/1/1980	BatchQC
1245020-04RE2	B130014	Ni-W-ChelCol-ICPMS-Diss	87			UDE-SL1201	1/1/1980	BatchQC
1245020-04RE2	B130014	Cu-W-ChelCol-ICPMS-TR	88			UDE-SL1201	12/6/2012	From B122439 by KDM on 01/04/13
1245020-04RE2	B130014	Cu-W-ChelCol-ICPMS-Diss	89			UDE-SL1201	1/1/1980	BatchQC
B130014-DUP2	B130014	QC	90		1245020-04RE2			
B130014-MS2	B130014	QC	91		1245020-04RE2			
1300016-CCV6	1300016	QC	92	1227096	-			
1300016-CCB6	1300016	QC	93		-			
1300016-SCV3	1300016	QC	94	1245086	-			
1300016-SCV4	1300016	QC	95	1245085	-			
1300016-SCV5	1300016	QC	96	1245086	-			
1300016-SCV6	1300016	QC	97	1245085	-			
B130014-MSD2	B130014	QC	98		1245020-04RE2			
1245020-08RE2	B130014	Cu-W-ChelCol-ICPMS-TR	99			UDE-SL1201	12/6/2012	From B122439 by KDM on 01/04/13
1245020-12RE2	B130014	Cu-W-ChelCol-ICPMS-TR	100			UDE-SL1201	12/6/2012	From B122439 by KDM on 01/04/13
1245020-16RE2	B130014	Cu-W-ChelCol-ICPMS-TR	101			UDE-SL1201	12/6/2012	From B122439 by KDM on 01/04/13
1300016-CCV7	1300016	QC	102	1227096	-			
1300016-CCB7	1300016	QC	103		-			
1245032-01RE3	B130014	Zn-W-ChelCol-ICPMS-Diss	104			HCI-SE1201	12/3/2012	

ANALYSIS SEQUENCE

BRL Report 1245005

1300016

Brooks Rand Labs

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1245032-01RE3	B130014	Pb-W-ChelCol-ICPMS-Diss	105			HCI-SE1201	1/1/1980	BatchQC
1245032-01RE3	B130014	Ni-W-ChelCol-ICPMS-Diss	106			HCI-SE1201	12/3/2012	
1245032-01RE3	B130014	Cu-W-ChelCol-ICPMS-TR	107			HCI-SE1201	1/1/1980	BatchQC
1245032-01RE3	B130014	Cu-W-ChelCol-ICPMS-Diss	108			HCI-SE1201	1/1/1980	BatchQC
B130014-DUP3	B130014	QC	109		1245032-01RE3			
B130014-MS3	B130014	QC	110		1245032-01RE3			
B130014-MSD3	B130014	QC	111		1245032-01RE3			
1245032-02RE3	B130014	Zn-W-ChelCol-ICPMS-Diss	112			HCI-SE1201	12/3/2012	
1245032-02RE3	B130014	Ni-W-ChelCol-ICPMS-Diss	113			HCI-SE1201	12/3/2012	
1245032-03RE3	B130014	Zn-W-ChelCol-ICPMS-Diss	114			HCI-SE1201	12/3/2012	
1245032-03RE3	B130014	Ni-W-ChelCol-ICPMS-Diss	115			HCI-SE1201	12/3/2012	
1300016-CCV8	1300016	QC	116	1227096	-			
1300016-CCB8	1300016	QC	117		-			
1245032-05RE3	B130014	Zn-W-ChelCol-ICPMS-Diss	118			HCI-SE1201	12/3/2012	
1245032-05RE3	B130014	Ni-W-ChelCol-ICPMS-Diss	119			HCI-SE1201	12/3/2012	
1245032-06RE3	B130014	Zn-W-ChelCol-ICPMS-Diss	120			HCI-SE1201	12/3/2012	
1245032-06RE3	B130014	Ni-W-ChelCol-ICPMS-Diss	121			HCI-SE1201	12/3/2012	
1245032-07RE3	B130014	Zn-W-ChelCol-ICPMS-Diss	122			HCI-SE1201	12/3/2012	
1245032-07RE3	B130014	Ni-W-ChelCol-ICPMS-Diss	123			HCI-SE1201	12/3/2012	
1245032-04RE3	B130014	Zn-W-ChelCol-ICPMS-Diss	124			HCI-SE1201	12/3/2012	
1245032-04RE3	B130014	Pb-W-ChelCol-ICPMS-Diss	125			HCI-SE1201	12/3/2012	
1245032-04RE3	B130014	Ni-W-ChelCol-ICPMS-Diss	126			HCI-SE1201	12/3/2012	
1245032-04RE3	B130014	Cu-W-ChelCol-ICPMS-Diss	127			HCI-SE1201	12/3/2012	
1245032-08RE3	B130014	Zn-W-ChelCol-ICPMS-Diss	128			HCI-SE1201	12/3/2012	
1245032-08RE3	B130014	Pb-W-ChelCol-ICPMS-Diss	129			HCI-SE1201	12/3/2012	
1245032-08RE3	B130014	Ni-W-ChelCol-ICPMS-Diss	130			HCI-SE1201	12/3/2012	

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1300016

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1245032-08RE3	B130014	Cu-W-ChelCol-ICPMS-Diss	131			HCI-SE1201	12/3/2012	
1245032-09RE3	B130014	Zn-W-ChelCol-ICPMS-Diss	132			HCI-SE1201	12/3/2012	
1245032-09RE3	B130014	Pb-W-ChelCol-ICPMS-Diss	133			HCI-SE1201	12/3/2012	
1245032-09RE3	B130014	Ni-W-ChelCol-ICPMS-Diss	134			HCI-SE1201	12/3/2012	
1245032-09RE3	B130014	Cu-W-ChelCol-ICPMS-Diss	135			HCI-SE1201	12/3/2012	
1300016-CCV9	1300016	QC	136	1227096	-			
1300016-CCB9	1300016	QC	137		-			

ICP-MS Analysis Benchsheet

Batch No: B130013, 0014**BR-0063**

(BRL procedure for the analysis of samples by EPA Method 1640)

Analyst: TMU Date: 1/5/2013Instrument ID: ICP-MS2 cHNO3 ID: 1253001 cHCl ID: NACalibration recorded in LIMS Int Std: N/A SEQ: 1300016

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		(For all analytes but Fe) 1245089
434		rinse		
102		SEQ-ICV2		(For Fe only) 1245090
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		slew-3 1245085; 1238006
434		rinse		no pass reanalyzed later in seq
108		SEQ-SCV2		cass-5 1245086; 1238005
434		rinse		no pass reanalyzed later in seq
5		SEQ-CCV1		
434		rinse		
1		SEQ-CCB1		
434		rinse		
434		rinse		
109	B130013	B130013-BLK1		
434		rinse		
110	B130013	B130013-BLK2		
434		rinse		

111	B130013	B130013-BLK3		
434		rinse		
112	B130013	B130013-BLK4		
434		rinse		
113	B130013	B130013-BS1		
434		rinse		
114	B130013	1247017-01RE2		
434		rinse		
115	B130013	B130013-DUP1		1247017-01RE2
434		rinse		
116	B130013	B130013-MS1		15µL of 1227092 to 5mL
434		rinse		
117	B130013	B130013-MSD1		15µL of 1227092 to 5mL
434		rinse		
118	B130013	1247017-02RE2		
434		rinse		
5		SEQ-CCV2		1227097
434		rinse		
10		SEQ-CCB2		
434		rinse		
119	B130013	1247017-03RE2		
434		rinse		
120	B130013	1247017-04RE2		
434		rinse		
121	B130013	1247017-05RE2		
434		rinse		
122	B130013	1247017-06RE2		
434		rinse		
123	B130013	1247017-07RE2		
434		rinse		
124	B130013	1247017-08RE2		
434		rinse		
125	B130013	1247017-09RE2		
434		rinse		
126	B130013	1247017-10RE2		
434		rinse		
5		SEQ-CCV3		1227097
434		rinse		
10		SEQ-CCB3		
434		rinse		
127	B130013	1247017-11RE2		
434		rinse		
128	B130013	B130013-DUP2		1247017-11RE2
434		rinse		
129	B130013	B130013-MS2		15µL of 1227092 to 5mL
434		rinse		
130	B130013	B130013-MSD2		15µL of 1227092 to 5mL
434		rinse		
131	B130013	1247017-12RE2		
434		rinse		
5		SEQ-CCV4		1227097
434		rinse		

1		SEQ-CCB4		
434		rinse		
201	B130014	B130014-BLK1		
434		rinse		
202	B130014	B130014-BLK2		
434		rinse		
203	B130014	B130014-BLK3		
434		rinse		
204	B130014	B130014-BLK4		
434		rinse		
205	B130014	B130014-BS1		
434		rinse		
206	B130014	1245032-10RE2		
434		rinse		
207	B130014	1245005-26RE2		Sample not needed, not uploaded
434		rinse		
208	B130014	1245005-19RE2	10x	
434		rinse		
209	B130014	B130014-DUP1	10x	1245005-19RE2
434		rinse		
210	B130014	B130014-MS1	10x	15µL of 1227092 to 5mL
434		rinse		
6		SEQ-CCV5		1227096
434		rinse		
1		SEQ-CCB5		15µL of 1227092 to 5mL
434		rinse		
211	B130014	B130014-MSD1	10x	
434		rinse		
212	B130014	1245005-20RE2	10x	
434		rinse		
213	B130014	1245005-21RE2	10x	
434		rinse		
214	B130014	1245005-22RE2	10x	
434		rinse		
215	B130014	1245005-23RE2	10x	
434		rinse		
216	B130014	1245005-24RE2	10x	
434		rinse		
217	B130014	1245005-25RE2	10x	
434		rinse		
218	B130014	1245020-04RE2	10x	
434		rinse		
219	B130014	B130014-DUP2	10x	1245020-04RE2
434		rinse		
220	B130014	B130014-MS2	10x	15µL of 1227092 to 5mL
434		rinse		
6		SEQ-CCV6		1227096
434		rinse		
1		SEQ-CCB6		
434		rinse		
301		SEQ-SCV3		cass-5 1245086; 1238005
434		rinse		

302		SEQ-SCV4		slew-3 1245085; 1238006
434		rinse		
303		SEQ-SCV5	5x	cass-5 1245086; 1238005
434		rinse		
304		SEQ-SCV6	5x	slew-3 1245085; 1238006
434		rinse		
221	B130014	B130014-MSD2	10x	15µL of 1227092 to 5mL
434		rinse		
222	B130014	1245020-08RE2	10x	
434		rinse		
223	B130014	1245020-12RE2	10x	
434		rinse		
224	B130014	1245020-16RE2	10x	
434		rinse		
6		SEQ-CCV7		1227096
434		rinse		
1		SEQ-CCB7		
434		rinse		
225	B130014	1245032-01RE3	50x	
434		rinse		118113 KPM
226	B130014	B130014-DUP3	50x	1245032-01RE2 RE3
434		rinse		
227	B130014	B130014-MS3	50x	15µL of 1227092 to 5mL
434		rinse		
228	B130014	B130014-MSD3	50x	15µL of 1227092 to 5mL
434		rinse		
229	B130014	1245032-02RE3	50x	
434		rinse		
230	B130014	1245032-03RE3	50x	
434		rinse		
6		SEQ-CCV8		1227096
434		rinse		
1		SEQ-CCB8		
434		rinse		
232	B130014	1245032-05RE3	50x	
434		rinse		
233	B130014	1245032-06RE3	50x	
434		rinse		
234	B130014	1245032-07RE3	50x	
434		rinse		
231	B130014	1245032-04RE3	50x	moved to end, samples black
434		rinse		
235	B130014	1245032-08RE3	50x	moved to end, samples black
434		rinse		
236	B130014	1245032-09RE3	50x	moved to end, samples black
434		rinse		
6		SEQ-CCV9		1227096
434		rinse		
1		SEQ-CCB9		
434		rinse		
434		rinse		
434		rinse		

434		rinse		
434		rinse		

Trace Metals Method BR-0065 Rev 004 (ICP-MS)
1% Nitric Acid Digestion

Batch #(s): B122117, 2116, 2439

Page 1 of 1

Workorder #(s): 1245032, 5005, 8020

Preparation Date and Time*: ~~11/20/12~~ 11/20/12 1155

Prepared By: CCE

Date and Time of Finished Preparation: 11/21/12 0955

* Time is when the first reagents are added.

Sample ID	Sample Vol.(mL)	Acid Added (mL)
BLK1	125	1.25
BLK2		
BLK3		
BLK4		
BS1		
1245032-01	125	0.0
-02		
-03		
-04		
-05		
-06		
-07		
-08		
-09		
-10		
1245005-09		
-10		
-11		
-12		
-13		
-14		

Sample ID	Sample Vol.(mL)	Acid Added (mL)
1245005-15	125	0.0
-16		
-17		
-18		
-19		
-20		
-21		
-22		
-23		
-24		
-25		
-26		
1245020-04	250	
-08		
-12		
-16		
11/20/12		

COPY

Balance ID: B1-01
 Oven ID: OV-05
 HNO₃ ID: 1241059
 Bottle lot #: 12-266

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	1240040
	0.02 ppm Ag	2.5	5	
	0.02 ppm Sb	2.5	5	
	1 ppm Y	1.25	2.5	
	1 ppm W	0.125	0.25	

Spike Witness Initials/Date:

JM
11/20/12

Target Oven Temperature: 85°C
 Time/Temp* In: M: 79°C C: 78°C 1235 11/20/12
 Time/Temp* Out: 11 83°C C: 92°C 0955 11/21/12
 Thermometer ID: TM-01

* Both measured and corrected temperatures must be recorded.

Comments: 0: pre-preserved w/ 11-HNO₃

Sample Information

Report Title: QUANTITATIVE ANALYSIS REPORT

Batch ID:

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Tuning File: C:\Elandata\Tuning\Default.tun

Optimization File: C:\Elandata\Optimize\Default.dac

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Calibration Type: External Calibration

Calibration

Analyte	MassCurve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
V-Precon	51Weighted Linear	58.540	-50.543	0.999229	25.000000
Fe-Precon	54Weighted Linear	6.698	18.531	0.995229	50.000000
Fe-Precon	56Weighted Linear	143.229	-7621.332	0.995494	
Fe-Precon	57Weighted Linear	3.554	-188.977	0.997555	
Co-Precon	59Weighted Linear	188.056	-113.348	0.999456	10.000000
Ni-Precon	60Weighted Linear	32.212	-16.227	0.999756	10.000000
Cu-Precon	63Weighted Linear	76.596	110.377	0.998535	10.000000
Cu-Precon	65Weighted Linear	35.964	41.562	0.998751	10.000000
Zn-Precon	66Weighted Linear	25.234	-417.452	0.998393	50.000000
Zn-Precon	68Weighted Linear	16.595	-293.689	0.998633	50.000000
Cd-Precon	111Weighted Linear	22.619	-3.569	0.999763	10.000000
Cd-Precon	114Weighted Linear	56.187	-23.443	0.999902	10.000000
Pb-Precon	208Weighted Linear	307.018	-462.901	0.999246	10.000000
Tb-Precon	159Linear Thru Zero				

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-ICB1

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 16:27:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51		88			ng/L
Fe-Precon	54		428			ng/L
Fe-Precon	56		8268			ng/L
Fe-Precon	57		324			ng/L
Co-Precon	59		42			ng/L
Ni-Precon	60		75			ng/L
Cu-Precon	63		689			ng/L
Cu-Precon	65		315			ng/L
Zn-Precon	66		1040			ng/L
Zn-Precon	68		753			ng/L
Cd-Precon	111		7			ng/L
Cd-Precon	114		19			ng/L
Pb-Precon	208		901			ng/L
Tb-Precon	159		10			mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL1

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 16:40:31

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 2

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CAL1.005

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	1500	1411.962031	24.9829	ng/L
Fe-Precon	54	428	794	365.700159	51.8338	ng/L
Fe-Precon	56	8268	12777	4509.400815	84.6949	ng/L
Fe-Precon	57	324	410	86.099091	77.3916	ng/L
Co-Precon	59	42	1825	1782.684691	10.0823	ng/L
Ni-Precon	60	75	383	308.692153	10.0868	ng/L
Cu-Precon	63	689	1560	870.450569	9.9232	ng/L
Cu-Precon	65	315	710	394.854711	9.8236	ng/L
Zn-Precon	66	1040	1831	791.000340	47.8891	ng/L
Zn-Precon	68	753	1254	501.332489	47.9059	ng/L
Cd-Precon	111	7	226	219.246449	9.8510	ng/L
Cd-Precon	114	19	556	537.402132	9.9817	ng/L
Pb-Precon	208	901	3520	2618.503646	10.0366	ng/L
Tb-Precon	159	10	12	2.600872		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL2
Sample Description:
Batch ID:

Sample Date/Time: Saturday, January 05, 2013 16:53:30

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 3

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CAL2.006

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	2961	2873.513935	49.9494	ng/L
Fe-Precon	54	428	1106	678.334320	98.5114	ng/L
Fe-Precon	56	8268	21628	13360.222523	146.4900	ng/L
Fe-Precon	57	324	645	320.479286	143.3336	ng/L
Co-Precon	59	42	3637	3595.536120	19.7222	ng/L
Ni-Precon	60	75	691	616.166739	19.6321	ng/L
Cu-Precon	63	689	2387	1697.865016	20.7256	ng/L
Cu-Precon	65	315	1116	801.294490	21.1250	ng/L
Zn-Precon	66	1040	3398	2357.296681	109.9590	ng/L
Zn-Precon	68	753	2272	1518.746520	109.2127	ng/L
Cd-Precon	111	7	469	462.171686	20.5910	ng/L
Cd-Precon	114	19	1122	1103.069126	20.0492	ng/L
Pb-Precon	208	901	6566	5665.129538	19.9599	ng/L
Tb-Precon	159	10	9	-0.969698		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL3

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 17:06:28

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 4

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CAL3.007

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	7433	7345.259558	126.3369	ng/L
Fe-Precon	54	428	1917	1489.255647	219.5853	ng/L
Fe-Precon	56	8268	37256	28988.311683	255.6028	ng/L
Fe-Precon	57	324	1035	710.519864	253.0700	ng/L
Co-Precon	59	42	9335	9293.258155	50.0202	ng/L
Ni-Precon	60	75	1687	1612.707044	50.5687	ng/L
Cu-Precon	63	689	4528	3839.083111	48.6804	ng/L
Cu-Precon	65	315	2098	1783.355034	48.4321	ng/L
Zn-Precon	66	1040	6792	5751.815459	244.4785	ng/L
Zn-Precon	68	753	4567	3813.682782	247.4996	ng/L
Cd-Precon	111	7	1133	1126.140903	49.9460	ng/L
Cd-Precon	114	19	2817	2798.169973	50.2179	ng/L
Pb-Precon	208	901	15844	14942.825718	50.1786	ng/L
Tb-Precon	159	10	10	0.166234		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL4

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 17:19:27

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CAL4.008

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	14650	14562.670119	249.6264	ng/L
Fe-Precon	54	428	3631	3203.421803	475.5175	ng/L
Fe-Precon	56	8268	70408	62140.738875	487.0679	ng/L
Fe-Precon	57	324	1895	1571.012605	495.1663	ng/L
Co-Precon	59	42	18533	18490.863369	98.9291	ng/L
Ni-Precon	60	75	3220	3145.022101	98.1379	ng/L
Cu-Precon	63	689	8117	7427.233556	95.5258	ng/L
Cu-Precon	65	315	3822	3507.379644	96.3701	ng/L
Zn-Precon	66	1040	12880	11839.676591	485.7311	ng/L
Zn-Precon	68	753	8609	7855.784776	491.0663	ng/L
Cd-Precon	111	7	2276	2269.044479	100.4752	ng/L
Cd-Precon	114	19	5610	5591.085422	99.9250	ng/L
Pb-Precon	208	901	30234	29332.371043	97.0474	ng/L
Tb-Precon	159	10	7	-2.524681		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL5

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 17:32:26

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CAL5.009

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	71584	71496.465599	1222.1831	ng/L
Fe-Precon	54	428	16659	16230.866263	2420.5696	ng/L
Fe-Precon	56	8268	324322	316054.438870	2259.8539	ng/L
Fe-Precon	57	324	8337	8012.645236	2307.4946	ng/L
Co-Precon	59	42	93825	93783.383695	499.3020	ng/L
Ni-Precon	60	75	16382	16307.891932	506.7665	ng/L
Cu-Precon	63	689	37032	36342.658010	473.0335	ng/L
Cu-Precon	65	315	17533	17217.900866	477.6032	ng/L
Zn-Precon	66	1040	63400	62359.599590	2487.7576	ng/L
Zn-Precon	68	753	41772	41018.512532	2489.3668	ng/L
Cd-Precon	111	7	11403	11396.338102	504.0046	ng/L
Cd-Precon	114	19	28076	28057.457992	499.7720	ng/L
Pb-Precon	208	901	152182	151281.019511	494.2513	ng/L
Tb-Precon	159	10	10	-0.096971		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL6

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 17:45:25

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 7

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CAL6.010

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	139384	139295.732276	2380.3464	ng/L
Fe-Precon	54	428	35066	34638.185122	5168.8594	ng/L
Fe-Precon	56	8268	701239	692970.996840	4891.4268	ng/L
Fe-Precon	57	324	17689	17365.018502	4938.7485	ng/L
Co-Precon	59	42	180917	180875.565255	962.4204	ng/L
Ni-Precon	60	75	31577	31502.412198	978.4657	ng/L
Cu-Precon	63	689	79107	78418.061091	1022.3523	ng/L
Cu-Precon	65	315	37051	36735.797583	1020.3154	ng/L
Zn-Precon	66	1040	123571	122530.483439	4872.2368	ng/L
Zn-Precon	68	753	80600	79846.667347	4829.0513	ng/L
Cd-Precon	111	7	21944	21937.310291	970.0346	ng/L
Cd-Precon	114	19	54934	54915.258131	977.7758	ng/L
Pb-Precon	208	901	297606	296704.342526	967.9155	ng/L
Tb-Precon	159	10	9	-1.014721		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CAL7

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 17:58:23

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 8

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CAL7.011

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	777607	777519.593014	13282.6388	ng/L
Fe-Precon	54	428	192476	192048.456270	28670.8725	ng/L
Fe-Precon	56	8268	4015437	4007169.448060	28030.6454	ng/L
Fe-Precon	57	324	96692	96368.231669	27165.9956	ng/L
Co-Precon	59	42	991868	991825.610114	5274.7002	ng/L
Ni-Precon	60	75	165141	165066.149041	5124.8230	ng/L
Cu-Precon	63	689	412162	411473.001434	5370.5778	ng/L
Cu-Precon	65	315	189799	189483.963054	5267.6123	ng/L
Zn-Precon	66	1040	646435	645394.496116	25592.5303	ng/L
Zn-Precon	68	753	422012	421258.855871	25401.6698	ng/L
Cd-Precon	111	7	113508	113500.964192	5018.1821	ng/L
Cd-Precon	114	19	286114	286095.565508	5092.2252	ng/L
Pb-Precon	208	901	1639738	1638836.838160	5339.4299	ng/L
Tb-Precon	159	10	9	-1.191344		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-ICB2

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 18:11:23

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB2.012

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	18115	18027.184324	308.8081	ng/L
Fe-Precon	54	428	5925	5497.009850	817.9598	ng/L
Fe-Precon	56	8268	116374	108106.622009	807.9946	ng/L
Fe-Precon	57	324	3013	2688.331595	809.5197	ng/L
Co-Precon	59	42	1851	1809.107733	10.2228	ng/L
Ni-Precon	60	75	1041	966.803438	30.5172	ng/L
Cu-Precon	63	689	16470	15780.434753	204.5817	ng/L
Cu-Precon	65	315	7682	7366.956933	203.6890	ng/L
Zn-Precon	66	1040	2304	1263.234950	66.6030	ng/L
Zn-Precon	68	753	1462	708.697971	60.4012	ng/L
Cd-Precon	111	7	95	88.630657	4.0763	ng/L
Cd-Precon	114	19	237	217.737991	4.2924	ng/L
Pb-Precon	208	901	2499	1597.660763	6.7115	ng/L
Tb-Precon	159	10	10	0.446752		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 18:24:25

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.013

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	4736	4647.807391	80.2583	ng/L
Fe-Precon	54	428	4240	3811.831416	566.3556	ng/L
Fe-Precon	56	8268	83471	75203.114053	578.2674	ng/L
Fe-Precon	57	324	2242	1917.627901	592.6852	ng/L
Co-Precon	59	42	540	498.278954	3.2524	ng/L
Ni-Precon	60	75	374	299.457652	9.8001	ng/L
Cu-Precon	63	689	11628	10938.806699	141.3714	ng/L
Cu-Precon	65	315	5340	5025.006730	138.5691	ng/L
Zn-Precon	66	1040	650	-390.787421	1.0567	ng/L
Zn-Precon	68	753	448	-304.888015	-0.6748	ng/L
Cd-Precon	111	7	8	1.606455	0.2288	ng/L
Cd-Precon	114	19	25	5.653918	0.5179	ng/L
Pb-Precon	208	901	767	-134.076659	1.0710	ng/L
Tb-Precon	159	10	6	-3.619055		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-ICV1

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 18:37:27

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 101

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICV1.014

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	32272	32184.630455	550.6489	ng/L
Fe-Precon	54	428	179151	178722.874389	26681.3073	ng/L
Fe-Precon	56	8268	3762286	3754018.338388	26263.1837	ng/L
Fe-Precon	57	324	91256	90931.409452	25636.3668	ng/L
Co-Precon	59	42	47820	47777.942027	254.6651	ng/L
Ni-Precon	60	75	16353	16278.452473	505.8526	ng/L
Cu-Precon	63	689	42621	41932.002362	546.0056	ng/L
Cu-Precon	65	315	19681	19365.926016	537.3309	ng/L
Zn-Precon	66	1040	13803	12762.742510	522.3108	ng/L
Zn-Precon	68	753	8885	8131.470423	507.6784	ng/L
Cd-Precon	111	7	1128	1121.062219	49.7214	ng/L
Cd-Precon	114	19	3014	2995.185313	53.7243	ng/L
Pb-Precon	208	901	78535	77633.803677	254.3720	ng/L
Tb-Precon	159	10	20	10.614759		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 18:50:28

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.015

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	1982	1894.561229	33.2267	ng/L
Fe-Precon	54	428	10008	9580.427532	1427.6312	ng/L
Fe-Precon	56	8268	193863	185595.685611	1349.0112	ng/L
Fe-Precon	57	324	5079	4754.871829	1390.9327	ng/L
Co-Precon	59	42	224	182.272270	1.5720	ng/L
Ni-Precon	60	75	241	166.575469	5.6749	ng/L
Cu-Precon	63	689	5928	5238.418331	66.9496	ng/L
Cu-Precon	65	315	2769	2453.646505	67.0701	ng/L
Zn-Precon	66	1040	475	-565.125092	-5.8521	ng/L
Zn-Precon	68	753	346	-406.695462	-6.8095	ng/L
Cd-Precon	111	7	4	-2.834953	0.0325	ng/L
Cd-Precon	114	19	18	-0.471176	0.4088	ng/L
Pb-Precon	208	901	658	-243.164803	0.7157	ng/L
Tb-Precon	159	10	10	0.304762		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-ICV2

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 19:03:30

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 102

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICV2.016

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	4235	4146.843057	71.7008	ng/L
Fe-Precon	54	428	18966	18538.315579	2765.0814	ng/L
Fe-Precon	56	8268	372403	364135.197972	2595.5463	ng/L
Fe-Precon	57	324	9677	9353.126871	2684.6339	ng/L
Co-Precon	59	42	5075	5032.668166	27.3643	ng/L
Ni-Precon	60	75	1770	1694.927298	53.1211	ng/L
Cu-Precon	63	689	5743	5053.664048	64.5375	ng/L
Cu-Precon	65	315	2669	2354.352123	64.3092	ng/L
Zn-Precon	66	1040	3128	2087.839740	99.2808	ng/L
Zn-Precon	68	753	2066	1312.829246	96.8046	ng/L
Cd-Precon	111	7	121	114.519111	5.2208	ng/L
Cd-Precon	114	19	316	297.633043	5.7144	ng/L
Pb-Precon	208	901	8552	7650.308223	26.4259	ng/L
Tb-Precon	159	10	9	-0.543725		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 19:16:31

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.017

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	894	806.641615	14.6426	ng/L
Fe-Precon	54	428	3158	2730.236038	404.8689	ng/L
Fe-Precon	56	8268	61647	53379.045108	425.8952	ng/L
Fe-Precon	57	324	1707	1382.891926	442.2393	ng/L
Co-Precon	59	42	91	48.942815	0.8630	ng/L
Ni-Precon	60	75	110	35.827532	1.6160	ng/L
Cu-Precon	63	689	2454	1765.031372	21.6025	ng/L
Cu-Precon	65	315	1145	830.168033	21.9279	ng/L
Zn-Precon	66	1040	423	-617.438696	-7.9252	ng/L
Zn-Precon	68	753	308	-445.047768	-9.1205	ng/L
Cd-Precon	111	7	3	-3.206663	0.0160	ng/L
Cd-Precon	114	19	7	-11.744649	0.2082	ng/L
Pb-Precon	208	901	550	-351.196129	0.3638	ng/L
Tb-Precon	159	10	7	-2.427711		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-ICB3

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 19:29:33

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB3.018

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	736	648.144779	11.9352	ng/L
Fe-Precon	54	428	946	517.570137	74.5086	ng/L
Fe-Precon	56	8268	17588	9320.433203	118.2848	ng/L
Fe-Precon	57	324	533	208.955041	111.9567	ng/L
Co-Precon	59	42	48	5.915225	0.6342	ng/L
Ni-Precon	60	75	79	4.152452	0.6327	ng/L
Cu-Precon	63	689	1242	552.885454	5.7772	ng/L
Cu-Precon	65	315	578	263.153889	6.1616	ng/L
Zn-Precon	66	1040	977	-62.873688	14.0514	ng/L
Zn-Precon	68	753	687	-65.793402	13.7324	ng/L
Cd-Precon	111	7	9	2.073029	0.2495	ng/L
Cd-Precon	114	19	23	3.703034	0.4831	ng/L
Pb-Precon	208	901	936	34.704307	1.6208	ng/L
Tb-Precon	159	10	10	0.138528		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 19:42:35

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.019

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	603	515.142370	9.6632	ng/L
Fe-Precon	54	428	1329	901.463042	131.8254	ng/L
Fe-Precon	56	8268	25744	17476.396198	175.2284	ng/L
Fe-Precon	57	324	716	392.166249	163.5025	ng/L
Co-Precon	59	42	59	17.098026	0.6937	ng/L
Ni-Precon	60	75	87	12.190674	0.8822	ng/L
Cu-Precon	63	689	1470	780.502844	8.7489	ng/L
Cu-Precon	65	315	663	347.948461	8.5193	ng/L
Zn-Precon	66	1040	383	-657.459228	-9.5111	ng/L
Zn-Precon	68	753	282	-471.093767	-10.6900	ng/L
Cd-Precon	111	7	1	-5.942535	-0.1049	ng/L
Cd-Precon	114	19	4	-14.706779	0.1555	ng/L
Pb-Precon	208	901	560	-341.376869	0.3958	ng/L
Tb-Precon	159	10	8	-2.053683		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-IBL1

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 19:55:36

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 103

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-IBL1.020

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	461	373.246703	7.2393	ng/L
Fe-Precon	54	428	663	234.937125	32.3103	ng/L
Fe-Precon	56	8268	13090	4822.167313	86.8786	ng/L
Fe-Precon	57	324	416	92.090852	79.0774	ng/L
Co-Precon	59	42	56	14.074611	0.6776	ng/L
Ni-Precon	60	75	52	-22.144054	-0.1837	ng/L
Cu-Precon	63	689	1344	654.433777	7.1030	ng/L
Cu-Precon	65	315	612	297.527196	7.1173	ng/L
Zn-Precon	66	1040	1832	791.835280	47.9222	ng/L
Zn-Precon	68	753	1281	528.401134	49.5370	ng/L
Cd-Precon	111	7	2	-4.899724	-0.0588	ng/L
Cd-Precon	114	19	8	-10.999013	0.2215	ng/L
Pb-Precon	208	901	667	-234.296926	0.7446	ng/L
Tb-Precon	159	10	8	-1.600003		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 20:08:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.021

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	418	329.943779	6.4996	ng/L
Fe-Precon	54	428	926	498.365577	71.6413	ng/L
Fe-Precon	56	8268	17856	9588.450757	120.1560	ng/L
Fe-Precon	57	324	559	234.338118	119.0981	ng/L
Co-Precon	59	42	60	18.452208	0.7009	ng/L
Ni-Precon	60	75	75	0.363611	0.5150	ng/L
Cu-Precon	63	689	1138	448.217956	4.4107	ng/L
Cu-Precon	65	315	534	219.406954	4.9451	ng/L
Zn-Precon	66	1040	380	-660.656071	-9.6378	ng/L
Zn-Precon	68	753	286	-466.878740	-10.4360	ng/L
Cd-Precon	111	7	2	-4.403915	-0.0369	ng/L
Cd-Precon	114	19	4	-14.454920	0.1600	ng/L
Pb-Precon	208	901	537	-364.698669	0.3199	ng/L
Tb-Precon	159	10	7	-2.621651		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-IBL2

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 20:21:39

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 104

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-IBL2.022

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	378	290.670541	5.8287	ng/L
Fe-Precon	54	428	442	13.593503	-0.7372	ng/L
Fe-Precon	56	8268	8969	701.168498	58.1064	ng/L
Fe-Precon	57	324	321	-3.338727	52.2287	ng/L
Co-Precon	59	42	56	13.638205	0.6753	ng/L
Ni-Precon	60	75	41	-33.569296	-0.5384	ng/L
Cu-Precon	63	689	700	10.555604	-1.3032	ng/L
Cu-Precon	65	315	318	3.432914	-1.0602	ng/L
Zn-Precon	66	1040	779	-261.089501	6.1964	ng/L
Zn-Precon	68	753	542	-211.000742	4.9826	ng/L
Cd-Precon	111	7	5	-1.906627	0.0735	ng/L
Cd-Precon	114	19	11	-8.005084	0.2748	ng/L
Pb-Precon	208	901	565	-336.237856	0.4126	ng/L
Tb-Precon	159	10	7	-3.331610		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 20:34:41

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.023

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	325	237.387294	4.9185	ng/L
Fe-Precon	54	428	985	557.444717	80.4620	ng/L
Fe-Precon	56	8268	18725	10457.684514	126.2249	ng/L
Fe-Precon	57	324	559	235.228484	119.3486	ng/L
Co-Precon	59	42	53	10.788009	0.6601	ng/L
Ni-Precon	60	75	73	-1.378368	0.4610	ng/L
Cu-Precon	63	689	980	290.563070	2.3524	ng/L
Cu-Precon	65	315	473	158.562157	3.2533	ng/L
Zn-Precon	66	1040	356	-684.787420	-10.5941	ng/L
Zn-Precon	68	753	273	-480.303504	-11.2449	ng/L
Cd-Precon	111	7	2	-4.710982	-0.0505	ng/L
Cd-Precon	114	19	6	-12.720944	0.1908	ng/L
Pb-Precon	208	901	566	-334.801817	0.4172	ng/L
Tb-Precon	159	10	6	-3.556716		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-IBL3

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 20:47:43

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 105

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-IBL3.024

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	292	203.868332	4.3459	ng/L
Fe-Precon	54	428	442	13.846861	-0.6994	ng/L
Fe-Precon	56	8268	8293	24.836906	53.3844	ng/L
Fe-Precon	57	324	292	-32.577180	44.0025	ng/L
Co-Precon	59	42	48	5.922107	0.6342	ng/L
Ni-Precon	60	75	42	-32.093949	-0.4926	ng/L
Cu-Precon	63	689	545	-143.913997	-3.3199	ng/L
Cu-Precon	65	315	259	-55.706688	-2.7046	ng/L
Zn-Precon	66	1040	505	-535.277160	-4.6692	ng/L
Zn-Precon	68	753	340	-413.071556	-7.1937	ng/L
Cd-Precon	111	7	2	-4.537964	-0.0428	ng/L
Cd-Precon	114	19	6	-12.946023	0.1868	ng/L
Pb-Precon	208	901	526	-375.106952	0.2860	ng/L
Tb-Precon	159	10	4	-5.638106		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 21:00:44

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.025

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	286	198.038563	4.2463	ng/L
Fe-Precon	54	428	710	281.926106	39.3260	ng/L
Fe-Precon	56	8268	14317	6049.767518	95.4495	ng/L
Fe-Precon	57	324	458	134.237313	90.9352	ng/L
Co-Precon	59	42	54	11.774994	0.6654	ng/L
Ni-Precon	60	75	70	-4.135175	0.3754	ng/L
Cu-Precon	63	689	876	186.845915	0.9983	ng/L
Cu-Precon	65	315	407	92.537041	1.4174	ng/L
Zn-Precon	66	1040	344	-696.092671	-11.0421	ng/L
Zn-Precon	68	753	259	-493.963772	-12.0681	ng/L
Cd-Precon	111	7	1	-5.229516	-0.0734	ng/L
Cd-Precon	114	19	5	-13.637502	0.1745	ng/L
Pb-Precon	208	901	537	-363.905108	0.3224	ng/L
Tb-Precon	159	10	9	-1.032036		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-IBL4

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 21:13:45

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 106

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-IBL4.026

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	261	173.272471	3.8233	ng/L
Fe-Precon	54	428	375	-53.033709	-10.6849	ng/L
Fe-Precon	56	8268	7064	-1203.322911	44.8095	ng/L
Fe-Precon	57	324	256	-68.610528	33.8647	ng/L
Co-Precon	59	42	46	4.235538	0.6253	ng/L
Ni-Precon	60	75	35	-39.366738	-0.7183	ng/L
Cu-Precon	63	689	518	-171.333551	-3.6779	ng/L
Cu-Precon	65	315	250	-65.359622	-2.9730	ng/L
Zn-Precon	66	1040	1307	266.267431	27.0947	ng/L
Zn-Precon	68	753	865	112.430388	24.4717	ng/L
Cd-Precon	111	7	2	-4.876571	-0.0578	ng/L
Cd-Precon	114	19	6	-12.416627	0.1962	ng/L
Pb-Precon	208	901	553	-347.891185	0.3746	ng/L
Tb-Precon	159	10	6	-3.480526		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 21:26:46

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.027

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	233	144.694780	3.3351	ng/L
Fe-Precon	54	428	601	173.328622	23.1119	ng/L
Fe-Precon	56	8268	11735	3466.961707	77.4167	ng/L
Fe-Precon	57	324	378	53.281415	68.1585	ng/L
Co-Precon	59	42	51	9.167197	0.6515	ng/L
Ni-Precon	60	75	71	-3.878871	0.3833	ng/L
Cu-Precon	63	689	716	26.678796	-1.0927	ng/L
Cu-Precon	65	315	326	10.737426	-0.8571	ng/L
Zn-Precon	66	1040	335	-705.313086	-11.4075	ng/L
Zn-Precon	68	753	227	-525.654743	-13.9777	ng/L
Cd-Precon	111	7	1	-5.208213	-0.0725	ng/L
Cd-Precon	114	19	7	-12.032872	0.2031	ng/L
Pb-Precon	208	901	567	-333.901942	0.4202	ng/L
Tb-Precon	159	10	8	-2.292642		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-SCV1

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 21:39:48

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 107

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-SCV1.028

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	149232	149144.640825	2548.5878	ng/L
Fe-Precon	54	428	3889	3460.704232	513.9309	ng/L
Fe-Precon	56	8268	1233894	1225625.968428	8610.3410	ng/L
Fe-Precon	57	324	440931	440607.029339	124016.2440	ng/L
Co-Precon	59	42	16113	16070.598664	86.0592	ng/L
Ni-Precon	60	75	111453	111378.327909	3458.1364	ng/L
Cu-Precon	63	689	87487	86797.688869	1131.7532	ng/L
Cu-Precon	65	315	44653	44337.886103	1231.6982	ng/L
Zn-Precon	66	1040	4220	3179.679120	142.5488	ng/L
Zn-Precon	68	753	2394	1640.690225	116.5607	ng/L
Cd-Precon	111	7	882	875.415359	38.8611	ng/L
Cd-Precon	114	19	2286	2267.571465	40.7745	ng/L
Pb-Precon	208	901	1832	930.601391	4.5388	ng/L
Tb-Precon	159	10	1048	1038.660969		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 21:52:48

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.029

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	4521	4433.531709	76.5980	ng/L
Fe-Precon	54	428	837	408.679829	58.2508	ng/L
Fe-Precon	56	8268	16303	8034.993378	109.3100	ng/L
Fe-Precon	57	324	527	202.454437	110.1278	ng/L
Co-Precon	59	42	118	75.932414	1.0065	ng/L
Ni-Precon	60	75	495	420.691749	13.5637	ng/L
Cu-Precon	63	689	16670	15980.629756	207.1954	ng/L
Cu-Precon	65	315	7751	7436.229222	205.6152	ng/L
Zn-Precon	66	1040	423	-617.808465	-7.9398	ng/L
Zn-Precon	68	753	277	-475.579251	-10.9603	ng/L
Cd-Precon	111	7	-9	-16.125610	-0.5551	ng/L
Cd-Precon	114	19	-6	-25.243565	-0.0320	ng/L
Pb-Precon	208	901	560	-341.493298	0.3954	ng/L
Tb-Precon	159	10	86	75.810471		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-SCV2

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 22:05:50

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 108

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-SCV2.030

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	51311	51223.168147	875.8698	ng/L
Fe-Precon	54	428	6076	5647.559660	840.4375	ng/L
Fe-Precon	56	8268	1728836	1720567.896517	12065.9486	ng/L
Fe-Precon	57	324	582307	581983.034648	163791.8339	ng/L
Co-Precon	59	42	21337	21295.031370	113.8405	ng/L
Ni-Precon	60	75	104700	104625.689194	3248.5073	ng/L
Cu-Precon	63	689	37347	36657.378517	477.1423	ng/L
Cu-Precon	65	315	12490	12174.594056	337.3696	ng/L
Zn-Precon	66	1040	8855	7814.723875	326.2284	ng/L
Zn-Precon	68	753	5694	4940.533247	315.4007	ng/L
Cd-Precon	111	7	209	202.467720	9.1092	ng/L
Cd-Precon	114	19	628	609.507498	11.2650	ng/L
Pb-Precon	208	901	1773	871.926043	4.3477	ng/L
Tb-Precon	159	10	1476	1466.497819		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 22:18:50

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.031

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	2465	2377.013401	41.4681	ng/L
Fe-Precon	54	428	1609	1181.212872	173.5932	ng/L
Fe-Precon	56	8268	31235	22966.966502	213.5627	ng/L
Fe-Precon	57	324	939	614.749511	226.1254	ng/L
Co-Precon	59	42	146	104.293595	1.1573	ng/L
Ni-Precon	60	75	214	139.110566	4.8223	ng/L
Cu-Precon	63	689	8800	8110.565631	104.4471	ng/L
Cu-Precon	65	315	4047	3731.964165	102.6149	ng/L
Zn-Precon	66	1040	478	-562.093543	-5.7319	ng/L
Zn-Precon	68	753	359	-393.880822	-6.0373	ng/L
Cd-Precon	111	7	-18	-24.469226	-0.9240	ng/L
Cd-Precon	114	19	-31	-49.862201	-0.4702	ng/L
Pb-Precon	208	901	586	-314.927389	0.4820	ng/L
Tb-Precon	159	10	160	149.731507		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV1

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 22:31:52

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CCV1.032

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	16503	16414.879782	281.2663	ng/L
Fe-Precon	54	428	3963	3535.004916	525.0243	ng/L
Fe-Precon	56	8268	77619	69351.569682	537.4128	ng/L
Fe-Precon	57	324	2106	1781.551231	554.4005	ng/L
Co-Precon	59	42	20670	20627.891944	110.2929	ng/L
Ni-Precon	60	75	3645	3570.713247	111.3531	ng/L
Cu-Precon	63	689	9848	9159.010365	118.1352	ng/L
Cu-Precon	65	315	4520	4205.446103	115.7805	ng/L
Zn-Precon	66	1040	14034	12994.065837	531.4777	ng/L
Zn-Precon	68	753	9269	8515.847034	530.8399	ng/L
Cd-Precon	111	7	2357	2350.401655	104.0721	ng/L
Cd-Precon	114	19	5807	5787.730401	103.4248	ng/L
Pb-Precon	208	901	31483	30581.412814	101.1157	ng/L
Tb-Precon	159	10	49	38.964851		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 22:44:54

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.033

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	739	651.666513	11.9953	ng/L
Fe-Precon	54	428	992	563.628737	81.3853	ng/L
Fe-Precon	56	8268	19302	11034.507553	130.2522	ng/L
Fe-Precon	57	324	608	284.004560	133.0716	ng/L
Co-Precon	59	42	136	94.298460	1.1042	ng/L
Ni-Precon	60	75	125	50.878988	2.0832	ng/L
Cu-Precon	63	689	2757	2068.023066	25.5582	ng/L
Cu-Precon	65	315	1296	981.181873	26.1270	ng/L
Zn-Precon	66	1040	368	-672.152263	-10.0934	ng/L
Zn-Precon	68	753	268	-485.204042	-11.5402	ng/L
Cd-Precon	111	7	-2	-8.321849	-0.2101	ng/L
Cd-Precon	114	19	11	-7.936469	0.2760	ng/L
Pb-Precon	208	901	610	-291.388363	0.5586	ng/L
Tb-Precon	159	10	27	17.631266		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB1

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 22:57:56

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CCB1.034

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	308	219.962601	4.6208	ng/L
Fe-Precon	54	428	484	55.752643	5.5573	ng/L
Fe-Precon	56	8268	9221	953.508866	59.8682	ng/L
Fe-Precon	57	324	359	34.913244	62.9907	ng/L
Co-Precon	59	42	54	12.457264	0.6690	ng/L
Ni-Precon	60	75	92	17.866959	1.0584	ng/L
Cu-Precon	63	689	1196	506.383259	5.1701	ng/L
Cu-Precon	65	315	556	240.672175	5.5364	ng/L
Zn-Precon	66	1040	936	-104.445262	12.4040	ng/L
Zn-Precon	68	753	644	-108.995121	11.1292	ng/L
Cd-Precon	111	7	10	3.512612	0.3131	ng/L
Cd-Precon	114	19	19	-0.142685	0.4147	ng/L
Pb-Precon	208	901	1049	148.107154	1.9901	ng/L
Tb-Precon	159	10	19	9.274490		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 23:10:57

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.035

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	283	195.257411	4.1988	ng/L
Fe-Precon	54	428	585	157.083684	20.6865	ng/L
Fe-Precon	56	8268	11774	3506.240828	77.6910	ng/L
Fe-Precon	57	324	398	73.468817	73.8382	ng/L
Co-Precon	59	42	54	12.058977	0.6669	ng/L
Ni-Precon	60	75	80	5.000919	0.6590	ng/L
Cu-Precon	63	689	1320	630.982533	6.7968	ng/L
Cu-Precon	65	315	605	290.308855	6.9166	ng/L
Zn-Precon	66	1040	337	-703.522360	-11.3365	ng/L
Zn-Precon	68	753	234	-519.146929	-13.5855	ng/L
Cd-Precon	111	7	1	-5.180095	-0.0712	ng/L
Cd-Precon	114	19	5	-14.178196	0.1649	ng/L
Pb-Precon	208	901	569	-331.820305	0.4269	ng/L
Tb-Precon	159	10	16	6.258030		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 23:23:57

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.036

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	234	146.644732	3.3684	ng/L
Fe-Precon	54	428	508	80.266455	9.2173	ng/L
Fe-Precon	56	8268	10099	1831.290342	65.9967	ng/L
Fe-Precon	57	324	387	62.548334	70.7657	ng/L
Co-Precon	59	42	43	1.205207	0.6091	ng/L
Ni-Precon	60	75	72	-2.306558	0.4322	ng/L
Cu-Precon	63	689	1046	356.274282	3.2103	ng/L
Cu-Precon	65	315	472	156.945524	3.2083	ng/L
Zn-Precon	66	1040	298	-742.335398	-12.8746	ng/L
Zn-Precon	68	753	224	-529.066402	-14.1833	ng/L
Cd-Precon	111	7	2	-4.658096	-0.0481	ng/L
Cd-Precon	114	19	4	-14.992247	0.1504	ng/L
Pb-Precon	208	901	572	-329.307386	0.4351	ng/L
Tb-Precon	159	10	13	2.680531		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130013-BLK1

Sample Description:

Batch ID: B130013

Sample Date/Time: Saturday, January 05, 2013 23:36:58

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 109

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130013-BLK1.037

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	417	328.740175	6.4790	ng/L
Fe-Precon	54	428	686	258.414363	35.8156	ng/L
Fe-Precon	56	8268	13246	4978.735105	87.9717	ng/L
Fe-Precon	57	324	452	127.568125	89.0588	ng/L
Co-Precon	59	42	46	3.961926	0.6238	ng/L
Ni-Precon	60	75	86	11.643430	0.8652	ng/L
Cu-Precon	63	689	935	245.323965	1.7618	ng/L
Cu-Precon	65	315	436	120.810778	2.2036	ng/L
Zn-Precon	66	1040	1050	9.173519	16.9065	ng/L
Zn-Precon	68	753	703	-49.651858	14.7050	ng/L
Cd-Precon	111	7	1	-5.179313	-0.0712	ng/L
Cd-Precon	114	19	6	-13.293396	0.1806	ng/L
Pb-Precon	208	901	673	-228.189595	0.7645	ng/L
Tb-Precon	159	10	9	-0.716885		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Saturday, January 05, 2013 23:49:58

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.038

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	183	94.794384	2.4827	ng/L
Fe-Precon	54	428	468	39.905501	3.1913	ng/L
Fe-Precon	56	8268	9224	956.219325	59.8871	ng/L
Fe-Precon	57	324	356	31.896581	62.1420	ng/L
Co-Precon	59	42	48	5.797422	0.6336	ng/L
Ni-Precon	60	75	76	1.631176	0.5544	ng/L
Cu-Precon	63	689	766	76.213598	-0.4460	ng/L
Cu-Precon	65	315	364	48.908516	0.2043	ng/L
Zn-Precon	66	1040	294	-746.215442	-13.0284	ng/L
Zn-Precon	68	753	225	-528.110600	-14.1257	ng/L
Cd-Precon	111	7	2	-4.715639	-0.0507	ng/L
Cd-Precon	114	19	3	-16.220341	0.1285	ng/L
Pb-Precon	208	901	584	-317.008308	0.4752	ng/L
Tb-Precon	159	10	10	0.557576		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130013-BLK2

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 00:02:59

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 110

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130013-BLK2.039

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	702	614.526098	11.3609	ng/L
Fe-Precon	54	428	1540	1111.681773	163.2120	ng/L
Fe-Precon	56	8268	30411	22143.802647	207.8155	ng/L
Fe-Precon	57	324	931	606.318415	223.7533	ng/L
Co-Precon	59	42	41	-1.125544	0.5968	ng/L
Ni-Precon	60	75	91	16.010615	1.0008	ng/L
Cu-Precon	63	689	827	137.235817	0.3507	ng/L
Cu-Precon	65	315	369	54.121746	0.3492	ng/L
Zn-Precon	66	1040	1133	92.961703	20.2269	ng/L
Zn-Precon	68	753	767	14.329938	18.5604	ng/L
Cd-Precon	111	7	0	-6.200661	-0.1163	ng/L
Cd-Precon	114	19	8	-11.228194	0.2174	ng/L
Pb-Precon	208	901	621	-279.785087	0.5964	ng/L
Tb-Precon	159	10	9	-0.588745		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 00:16:00

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.040

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	168	80.532411	2.2391	ng/L
Fe-Precon	54	428	473	45.457265	4.0202	ng/L
Fe-Precon	56	8268	9038	770.652118	58.5915	ng/L
Fe-Precon	57	324	344	19.515234	58.6585	ng/L
Co-Precon	59	42	40	-1.811289	0.5931	ng/L
Ni-Precon	60	75	70	-4.277176	0.3710	ng/L
Cu-Precon	63	689	646	-43.507724	-2.0091	ng/L
Cu-Precon	65	315	299	-15.682018	-1.5917	ng/L
Zn-Precon	66	1040	295	-745.398121	-12.9960	ng/L
Zn-Precon	68	753	227	-526.334001	-14.0186	ng/L
Cd-Precon	111	7	1	-5.526476	-0.0865	ng/L
Cd-Precon	114	19	5	-13.766077	0.1722	ng/L
Pb-Precon	208	901	592	-309.723391	0.4989	ng/L
Tb-Precon	159	10	7	-2.386153		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130013-BLK3

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 00:29:01

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 111

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130013-BLK3.041

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	555	467.045018	8.8416	ng/L
Fe-Precon	54	428	862	433.543881	61.9631	ng/L
Fe-Precon	56	8268	16578	8310.629222	111.2345	ng/L
Fe-Precon	57	324	515	190.920688	106.8828	ng/L
Co-Precon	59	42	46	3.813020	0.6230	ng/L
Ni-Precon	60	75	145	70.076133	2.6792	ng/L
Cu-Precon	63	689	3571	2881.668196	36.1808	ng/L
Cu-Precon	65	315	1648	1333.452553	35.9222	ng/L
Zn-Precon	66	1040	2556	1515.255352	76.5902	ng/L
Zn-Precon	68	753	1721	967.801347	76.0141	ng/L
Cd-Precon	111	7	1	-5.326952	-0.0777	ng/L
Cd-Precon	114	19	9	-9.684619	0.2449	ng/L
Pb-Precon	208	901	767	-133.999265	1.0713	ng/L
Tb-Precon	159	10	7	-2.808665		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 00:42:01

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.042

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	145	56.843053	1.8344	ng/L
Fe-Precon	54	428	429	1.026794	-2.6135	ng/L
Fe-Precon	56	8268	8448	180.702510	54.4726	ng/L
Fe-Precon	57	324	330	5.526374	54.7228	ng/L
Co-Precon	59	42	38	-4.363679	0.5795	ng/L
Ni-Precon	60	75	61	-13.614074	0.0811	ng/L
Cu-Precon	63	689	697	7.571062	-1.3422	ng/L
Cu-Precon	65	315	314	-0.903328	-1.1808	ng/L
Zn-Precon	66	1040	281	-759.203896	-13.5431	ng/L
Zn-Precon	68	753	219	-534.445598	-14.5074	ng/L
Cd-Precon	111	7	2	-4.959967	-0.0615	ng/L
Cd-Precon	114	19	4	-14.492051	0.1593	ng/L
Pb-Precon	208	901	575	-326.419863	0.4445	ng/L
Tb-Precon	159	10	8	-1.963641		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130013-BLK4

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 00:55:02

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 112

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130013-BLK4.043

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	262	173.801505	3.8323	ng/L
Fe-Precon	54	428	458	29.881899	1.6947	ng/L
Fe-Precon	56	8268	9015	747.628637	58.4308	ng/L
Fe-Precon	57	324	324	-0.038895	53.1571	ng/L
Co-Precon	59	42	45	3.248480	0.6200	ng/L
Ni-Precon	60	75	60	-14.254797	0.0612	ng/L
Cu-Precon	63	689	633	-56.748766	-2.1819	ng/L
Cu-Precon	65	315	287	-27.887153	-1.9311	ng/L
Zn-Precon	66	1040	1010	-30.075944	15.3511	ng/L
Zn-Precon	68	753	695	-57.734939	14.2180	ng/L
Cd-Precon	111	7	1	-5.448317	-0.0831	ng/L
Cd-Precon	114	19	8	-10.776822	0.2254	ng/L
Pb-Precon	208	901	591	-310.192817	0.4974	ng/L
Tb-Precon	159	10	6	-3.643297		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 01:08:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.044

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	127	39.128179	1.5318	ng/L
Fe-Precon	54	428	385	-42.859581	-9.1659	ng/L
Fe-Precon	56	8268	7864	-403.896720	50.3910	ng/L
Fe-Precon	57	324	294	-30.600588	44.5586	ng/L
Co-Precon	59	42	40	-2.375771	0.5901	ng/L
Ni-Precon	60	75	68	-6.469419	0.3029	ng/L
Cu-Precon	63	689	546	-143.469163	-3.3141	ng/L
Cu-Precon	65	315	247	-67.588997	-3.0350	ng/L
Zn-Precon	66	1040	286	-753.963428	-13.3354	ng/L
Zn-Precon	68	753	220	-532.956294	-14.4177	ng/L
Cd-Precon	111	7	0	-6.190115	-0.1159	ng/L
Cd-Precon	114	19	6	-13.060663	0.1848	ng/L
Pb-Precon	208	901	574	-327.487887	0.4411	ng/L
Tb-Precon	159	10	9	-0.751518		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130013-BS1

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 01:21:05

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 113

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130013-BS1.045

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	204588	204500.361485	3494.1874	ng/L
Fe-Precon	54	428	926831	926403.245668	138313.1198	ng/L
Fe-Precon	56	8268	18615350	18607082.746861	129964.9713	ng/L
Fe-Precon	57	324	447777	447452.651998	125942.2333	ng/L
Co-Precon	59	42	417762	417720.165376	2221.8570	ng/L
Ni-Precon	60	75	150574	150498.965661	4672.5989	ng/L
Cu-Precon	63	689	190405	189715.199696	2475.4010	ng/L
Cu-Precon	65	315	87028	86713.514179	2409.9897	ng/L
Zn-Precon	66	1040	112974	111933.423612	4452.2917	ng/L
Zn-Precon	68	753	73898	73144.939201	4425.2224	ng/L
Cd-Precon	111	7	4856	4849.125605	214.5439	ng/L
Cd-Precon	114	19	14052	14033.576503	250.1809	ng/L
Pb-Precon	208	901	167298	166396.930059	543.4860	ng/L
Tb-Precon	159	10	178	168.647379		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 01:34:06

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.046

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	1587	1499.038639	26.4703	ng/L
Fe-Precon	54	428	13001	12572.635073	1874.3803	ng/L
Fe-Precon	56	8268	250234	241965.984809	1742.5799	ng/L
Fe-Precon	57	324	6568	6243.644390	1809.7931	ng/L
Co-Precon	59	42	459	417.054513	2.8205	ng/L
Ni-Precon	60	75	628	553.170995	17.6764	ng/L
Cu-Precon	63	689	4706	4016.244697	50.9934	ng/L
Cu-Precon	65	315	2067	1752.268807	47.5677	ng/L
Zn-Precon	66	1040	438	-602.792400	-7.3448	ng/L
Zn-Precon	68	753	300	-452.723529	-9.5830	ng/L
Cd-Precon	111	7	4	-2.714957	0.0378	ng/L
Cd-Precon	114	19	99	80.513699	1.8502	ng/L
Pb-Precon	208	901	736	-165.185441	0.9697	ng/L
Tb-Precon	159	10	15	5.250233		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-01RE2

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 01:47:08

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 114

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1247017-01RE2.047

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	179189	179100.953774	3060.3087	ng/L
Fe-Precon	54	428	242055	241627.104752	36073.1725	ng/L
Fe-Precon	56	8268	6359874	6351606.689319	44399.1419	ng/L
Fe-Precon	57	324	591376	591051.289996	166343.1523	ng/L
Co-Precon	59	42	29570	29527.837421	157.6189	ng/L
Ni-Precon	60	75	146188	146113.613432	4536.4598	ng/L
Cu-Precon	63	689	134334	133644.255691	1743.3623	ng/L
Cu-Precon	65	315	61510	61195.393775	1700.4360	ng/L
Zn-Precon	66	1040	9240	8199.282935	341.4679	ng/L
Zn-Precon	68	753	5490	4736.978020	303.1350	ng/L
Cd-Precon	111	7	1381	1374.817098	60.9402	ng/L
Cd-Precon	114	19	3609	3590.468534	64.3189	ng/L
Pb-Precon	208	901	9521	8619.539081	29.5828	ng/L
Tb-Precon	159	10	2771	2761.256739		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 02:00:09

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.048

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	3642	3553.831293	61.5708	ng/L
Fe-Precon	54	428	17696	17267.530001	2575.3478	ng/L
Fe-Precon	56	8268	342430	334161.978513	2386.2780	ng/L
Fe-Precon	57	324	8953	8628.956873	2480.8915	ng/L
Co-Precon	59	42	134	91.849735	1.0912	ng/L
Ni-Precon	60	75	709	634.083338	20.1883	ng/L
Cu-Precon	63	689	12207	11517.885886	148.9316	ng/L
Cu-Precon	65	315	5522	5207.395119	143.6405	ng/L
Zn-Precon	66	1040	388	-652.457912	-9.3129	ng/L
Zn-Precon	68	753	253	-500.194697	-12.4435	ng/L
Cd-Precon	111	7	-12	-18.370537	-0.6544	ng/L
Cd-Precon	114	19	-13	-31.373086	-0.1411	ng/L
Pb-Precon	208	901	644	-257.535457	0.6689	ng/L
Tb-Precon	159	10	150	139.968386		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130013-DUP1

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 02:13:10

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 115

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130013-DUP1.049

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	192528	192439.782947	3288.1657	ng/L
Fe-Precon	54	428	260904	260475.687384	38887.3448	ng/L
Fe-Precon	56	8268	6947157	6938889.387092	48499.4584	ng/L
Fe-Precon	57	324	658126	657801.935169	185123.1870	ng/L
Co-Precon	59	42	32360	32317.709807	172.4543	ng/L
Ni-Precon	60	75	161036	160961.875727	4997.4098	ng/L
Cu-Precon	63	689	175753	175063.587544	2284.1157	ng/L
Cu-Precon	65	315	68748	68432.785341	1901.6780	ng/L
Zn-Precon	66	1040	10700	9659.479502	399.3332	ng/L
Zn-Precon	68	753	6192	5439.242404	345.4516	ng/L
Cd-Precon	111	7	1473	1466.577466	64.9971	ng/L
Cd-Precon	114	19	3840	3821.632523	68.4330	ng/L
Pb-Precon	208	901	9284	8383.097093	28.8127	ng/L
Tb-Precon	159	10	2749	2739.512655		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 02:26:11

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.050

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	3388	3300.450810	57.2425	ng/L
Fe-Precon	54	428	18971	18542.933189	2765.7708	ng/L
Fe-Precon	56	8268	364798	356530.142777	2542.4490	ng/L
Fe-Precon	57	324	9536	9211.668010	2644.8350	ng/L
Co-Precon	59	42	106	63.841891	0.9422	ng/L
Ni-Precon	60	75	601	526.125814	16.8368	ng/L
Cu-Precon	63	689	15318	14628.960679	189.5485	ng/L
Cu-Precon	65	315	6708	6392.900994	176.6046	ng/L
Zn-Precon	66	1040	352	-688.278505	-10.7324	ng/L
Zn-Precon	68	753	250	-503.537579	-12.6450	ng/L
Cd-Precon	111	7	-16	-22.924335	-0.8557	ng/L
Cd-Precon	114	19	-22	-40.490231	-0.3034	ng/L
Pb-Precon	208	901	595	-306.039403	0.5109	ng/L
Tb-Precon	159	10	143	133.491862		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130013-MS1

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 02:39:13

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 116

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130013-MS1.051

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	490033	489944.918854	8370.2195	ng/L
Fe-Precon	54	428	328950	328522.194541	49046.9735	ng/L
Fe-Precon	56	8268	8482921	8474653.353068	59221.9238	ng/L
Fe-Precon	57	324	721271	720946.414147	202888.6408	ng/L
Co-Precon	59	42	315586	315544.548944	1678.5315	ng/L
Ni-Precon	60	75	227681	227605.956133	7066.3110	ng/L
Cu-Precon	63	689	302269	301579.385448	3935.8528	ng/L
Cu-Precon	65	315	127071	126755.625941	3523.3958	ng/L
Zn-Precon	66	1040	183032	181991.276439	7228.5763	ng/L
Zn-Precon	68	753	120762	120009.382424	7249.1530	ng/L
Cd-Precon	111	7	46262	46254.962740	2045.1495	ng/L
Cd-Precon	114	19	116112	116092.656162	2066.5853	ng/L
Pb-Precon	208	901	439202	438300.386603	1429.1138	ng/L
Tb-Precon	159	10	2562	2551.991351		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 02:52:14

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.052

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	12747	12659.298813	217.1126	ng/L
Fe-Precon	54	428	25214	24785.729614	3697.8465	ng/L
Fe-Precon	56	8268	488744	480476.240050	3407.8214	ng/L
Fe-Precon	57	324	12809	12484.805569	3565.7195	ng/L
Co-Precon	59	42	700	658.041014	4.1019	ng/L
Ni-Precon	60	75	1051	975.937086	30.8008	ng/L
Cu-Precon	63	689	33295	32605.132916	424.2379	ng/L
Cu-Precon	65	315	15357	15041.931976	417.0985	ng/L
Zn-Precon	66	1040	911	-129.171900	11.4241	ng/L
Zn-Precon	68	753	558	-194.616923	5.9698	ng/L
Cd-Precon	111	7	-2	-8.677712	-0.2258	ng/L
Cd-Precon	114	19	16	-2.792108	0.3675	ng/L
Pb-Precon	208	901	976	74.678343	1.7510	ng/L
Tb-Precon	159	10	138	128.168722		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130013-MSD1

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 03:05:15

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 117

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130013-MSD1.053

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	531001	530913.263393	9070.0506	ng/L
Fe-Precon	54	428	352804	352376.257314	52608.4850	ng/L
Fe-Precon	56	8268	9080790	9072522.787816	63396.1553	ng/L
Fe-Precon	57	324	745380	745055.468337	209671.6295	ng/L
Co-Precon	59	42	337726	337683.648456	1796.2576	ng/L
Ni-Precon	60	75	239363	239288.498196	7428.9842	ng/L
Cu-Precon	63	689	318024	317334.713501	4141.5478	ng/L
Cu-Precon	65	315	137347	137031.939345	3809.1377	ng/L
Zn-Precon	66	1040	197983	196942.698352	7821.0780	ng/L
Zn-Precon	68	753	130170	129416.818693	7816.0208	ng/L
Cd-Precon	111	7	49190	49183.727604	2174.6340	ng/L
Cd-Precon	114	19	122773	122754.413108	2185.1484	ng/L
Pb-Precon	208	901	452830	451928.904288	1473.5038	ng/L
Tb-Precon	159	10	2646	2635.685318		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 03:18:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.054

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	13789	13701.269373	234.9117	ng/L
Fe-Precon	54	428	18040	17612.265196	2626.8182	ng/L
Fe-Precon	56	8268	350194	341926.713886	2440.4901	ng/L
Fe-Precon	57	324	9252	8927.453385	2564.8723	ng/L
Co-Precon	59	42	553	511.482084	3.3226	ng/L
Ni-Precon	60	75	956	881.400296	27.8660	ng/L
Cu-Precon	63	689	22225	21536.103121	279.7253	ng/L
Cu-Precon	65	315	9965	9649.989763	267.1708	ng/L
Zn-Precon	66	1040	801	-239.828437	7.0389	ng/L
Zn-Precon	68	753	504	-249.198830	2.6808	ng/L
Cd-Precon	111	7	2	-4.496161	-0.0410	ng/L
Cd-Precon	114	19	24	5.065611	0.5074	ng/L
Pb-Precon	208	901	1032	131.105943	1.9348	ng/L
Tb-Precon	159	10	145	135.036389		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-02RE2

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 03:31:17

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 118

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1247017-02RE2.055

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	478783	478694.690542	8178.0405	ng/L
Fe-Precon	54	428	17849363	17848934.705466	2664917.9782	ng/L
Fe-Precon	56	8268	355468072	355459804.524229	2481818.3306	ng/L
Fe-Precon	57	324	9528889	9528564.346462	2680877.7293	ng/L
Co-Precon	59	42	186807	186765.351118	993.7397	ng/L
Ni-Precon	60	75	365506	365431.765609	11344.9802	ng/L
Cu-Precon	63	689	525467	524777.299610	6849.8311	ng/L
Cu-Precon	65	315	182347	182032.139417	5060.4078	ng/L
Zn-Precon	66	1040	170255	169214.483039	6722.2517	ng/L
Zn-Precon	68	753	105111	104358.082884	6306.0460	ng/L
Cd-Precon	111	7	1516	1509.460527	66.8930	ng/L
Cd-Precon	114	19	4201	4182.063804	74.8478	ng/L
Pb-Precon	208	901	371849	370947.681031	1209.7365	ng/L
Tb-Precon	159	10	33155	33145.065122		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 03:44:18

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.056

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	24855	24767.415163	423.9463	ng/L
Fe-Precon	54	428	160704	160275.622126	23927.0552	ng/L
Fe-Precon	56	8268	3551160	3542892.062907	24789.1328	ng/L
Fe-Precon	57	324	79753	79428.369797	22400.0313	ng/L
Co-Precon	59	42	287	245.054369	1.9058	ng/L
Ni-Precon	60	75	1726	1651.277589	51.7661	ng/L
Cu-Precon	63	689	25106	24416.548337	317.3312	ng/L
Cu-Precon	65	315	6765	6450.298880	178.2006	ng/L
Zn-Precon	66	1040	1858	817.624855	48.9442	ng/L
Zn-Precon	68	753	331	-422.238730	-7.7461	ng/L
Cd-Precon	111	7	-6	-12.214174	-0.3822	ng/L
Cd-Precon	114	19	-8	-26.854838	-0.0607	ng/L
Pb-Precon	208	901	960	59.163755	1.7004	ng/L
Tb-Precon	159	10	149	138.752436		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV2

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 03:57:20

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CCV2.057

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	23589	23501.428970	402.3204	ng/L
Fe-Precon	54	428	25415	24986.545244	3727.8291	ng/L
Fe-Precon	56	8268	492752	484483.828816	3435.8018	ng/L
Fe-Precon	57	324	12862	12538.155579	3580.7294	ng/L
Co-Precon	59	42	22655	22612.672001	120.8471	ng/L
Ni-Precon	60	75	4182	4107.027609	128.0025	ng/L
Cu-Precon	63	689	19599	18909.266941	245.4304	ng/L
Cu-Precon	65	315	6584	6268.900039	173.1566	ng/L
Zn-Precon	66	1040	15736	14695.478553	598.9021	ng/L
Zn-Precon	68	753	9915	9162.128791	569.7832	ng/L
Cd-Precon	111	7	2461	2453.859306	108.6461	ng/L
Cd-Precon	114	19	6316	6297.295651	112.4938	ng/L
Pb-Precon	208	901	33081	32179.660245	106.3214	ng/L
Tb-Precon	159	10	51	40.713704		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 04:10:21

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.058

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	3542	3454.169403	59.8683	ng/L
Fe-Precon	54	428	16201	15773.235259	2352.2433	ng/L
Fe-Precon	56	8268	313016	304748.290627	2180.9162	ng/L
Fe-Precon	57	324	8353	8028.318067	2311.9041	ng/L
Co-Precon	59	42	173	131.532976	1.3022	ng/L
Ni-Precon	60	75	295	220.680581	7.3546	ng/L
Cu-Precon	63	689	7661	6971.931038	89.5816	ng/L
Cu-Precon	65	315	2442	2127.528460	58.0021	ng/L
Zn-Precon	66	1040	629	-411.032901	0.2544	ng/L
Zn-Precon	68	753	250	-503.105063	-12.6189	ng/L
Cd-Precon	111	7	4	-2.969427	0.0265	ng/L
Cd-Precon	114	19	7	-11.459219	0.2133	ng/L
Pb-Precon	208	901	675	-226.316649	0.7706	ng/L
Tb-Precon	159	10	27	17.645091		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB2

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 04:23:23

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 10

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CCB2.059

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	2234	2146.519001	37.5307	ng/L
Fe-Precon	54	428	5698	5269.857702	784.0450	ng/L
Fe-Precon	56	8268	109106	100838.400424	757.2490	ng/L
Fe-Precon	57	324	3000	2675.508871	805.9120	ng/L
Co-Precon	59	42	144	102.336771	1.1469	ng/L
Ni-Precon	60	75	165	90.634402	3.3174	ng/L
Cu-Precon	63	689	3763	3073.232447	38.6818	ng/L
Cu-Precon	65	315	1011	695.919323	18.1950	ng/L
Zn-Precon	66	1040	694	-346.795451	2.8000	ng/L
Zn-Precon	68	753	370	-383.261468	-5.3974	ng/L
Cd-Precon	111	7	12	5.440218	0.3983	ng/L
Cd-Precon	114	19	26	7.299232	0.5471	ng/L
Pb-Precon	208	901	939	38.192940	1.6321	ng/L
Tb-Precon	159	10	25	14.746378		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 04:36:24

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.060

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	1625	1536.686116	27.1134	ng/L
Fe-Precon	54	428	6451	6023.093697	896.5063	ng/L
Fe-Precon	56	8268	125696	117427.958634	873.0747	ng/L
Fe-Precon	57	324	3392	3067.493153	916.1953	ng/L
Co-Precon	59	42	122	79.870334	1.0275	ng/L
Ni-Precon	60	75	142	67.464695	2.5981	ng/L
Cu-Precon	63	689	2971	2282.055383	28.3525	ng/L
Cu-Precon	65	315	990	674.978184	17.6127	ng/L
Zn-Precon	66	1040	404	-635.951451	-8.6588	ng/L
Zn-Precon	68	753	229	-523.716091	-13.8609	ng/L
Cd-Precon	111	7	1	-5.907554	-0.1034	ng/L
Cd-Precon	114	19	7	-12.071196	0.2024	ng/L
Pb-Precon	208	901	642	-259.257791	0.6633	ng/L
Tb-Precon	159	10	17	6.694395		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-03RE2

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 04:49:25

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 119

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1247017-03RE2.061

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	251530	251441.809285	4296.0524	ng/L
Fe-Precon	54	428	1359639	1359210.760366	202933.0953	ng/L
Fe-Precon	56	8268	27057305	27049037.680457	188905.3888	ng/L
Fe-Precon	57	324	658215	657890.797690	185148.1881	ng/L
Co-Precon	59	42	16440	16397.951460	87.7999	ng/L
Ni-Precon	60	75	48361	48286.609969	1499.5150	ng/L
Cu-Precon	63	689	156107	155417.536232	2027.6251	ng/L
Cu-Precon	65	315	71804	71489.210158	1986.6646	ng/L
Zn-Precon	66	1040	16005	14964.513580	609.5635	ng/L
Zn-Precon	68	753	9716	8963.317681	557.8033	ng/L
Cd-Precon	111	7	98	91.741575	4.2138	ng/L
Cd-Precon	114	19	269	250.151499	4.8693	ng/L
Pb-Precon	208	901	20523	19621.929026	65.4191	ng/L
Tb-Precon	159	10	1790	1780.050226		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 05:02:26

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.062

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	3304	3215.898619	55.7981	ng/L
Fe-Precon	54	428	23332	22903.622777	3416.8401	ng/L
Fe-Precon	56	8268	457811	449543.196367	3191.8517	ng/L
Fe-Precon	57	324	11833	11508.301098	3290.9838	ng/L
Co-Precon	59	42	126	84.074761	1.0498	ng/L
Ni-Precon	60	75	321	245.998072	8.1405	ng/L
Cu-Precon	63	689	5475	4785.722505	61.0393	ng/L
Cu-Precon	65	315	2212	1897.344957	51.6017	ng/L
Zn-Precon	66	1040	404	-635.887551	-8.6563	ng/L
Zn-Precon	68	753	220	-532.876104	-14.4128	ng/L
Cd-Precon	111	7	1	-5.940498	-0.1048	ng/L
Cd-Precon	114	19	3	-16.007939	0.1323	ng/L
Pb-Precon	208	901	666	-235.286284	0.7414	ng/L
Tb-Precon	159	10	30	19.903127		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-04RE2

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 05:15:27

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 120

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1247017-04RE2.063

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	247085	246997.082268	4220.1266	ng/L
Fe-Precon	54	428	2009363	2008935.280390	299939.6887	ng/L
Fe-Precon	56	8268	39625056	39616787.845306	276651.4676	ng/L
Fe-Precon	57	324	991211	990886.843683	278835.3320	ng/L
Co-Precon	59	42	23487	23444.863967	125.2723	ng/L
Ni-Precon	60	75	56240	56164.944878	1744.0903	ng/L
Cu-Precon	63	689	157438	156748.570969	2045.0025	ng/L
Cu-Precon	65	315	71748	71432.616572	1985.0910	ng/L
Zn-Precon	66	1040	23157	22116.589890	892.9893	ng/L
Zn-Precon	68	753	14629	13875.922559	853.8243	ng/L
Cd-Precon	111	7	149	141.911360	6.4319	ng/L
Cd-Precon	114	19	385	365.829981	6.9281	ng/L
Pb-Precon	208	901	26119	25218.088862	83.6466	ng/L
Tb-Precon	159	10	2427	2417.397613		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 05:28:28

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.064

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	3654	3566.371808	61.7850	ng/L
Fe-Precon	54	428	30281	29852.611662	4454.3532	ng/L
Fe-Precon	56	8268	587236	578967.855505	4095.4746	ng/L
Fe-Precon	57	324	15313	14988.308615	4270.0704	ng/L
Co-Precon	59	42	134	92.234212	1.0932	ng/L
Ni-Precon	60	75	314	239.906107	7.9514	ng/L
Cu-Precon	63	689	4856	4166.513263	52.9552	ng/L
Cu-Precon	65	315	2009	1693.724169	45.9398	ng/L
Zn-Precon	66	1040	377	-663.095322	-9.7345	ng/L
Zn-Precon	68	753	240	-512.726165	-13.1986	ng/L
Cd-Precon	111	7	1	-5.885780	-0.1024	ng/L
Cd-Precon	114	19	7	-11.800436	0.2072	ng/L
Pb-Precon	208	901	647	-254.336135	0.6793	ng/L
Tb-Precon	159	10	26	15.778421		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-05RE2

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 05:41:29

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 121

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1247017-05RE2.065

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	274082	273994.389311	4681.3010	ng/L
Fe-Precon	54	428	1507759	1507330.997202	225048.0674	ng/L
Fe-Precon	56	8268	30531927	30523659.121196	213164.6558	ng/L
Fe-Precon	57	324	931993	931668.875348	262174.5866	ng/L
Co-Precon	59	42	23977	23934.751528	127.8773	ng/L
Ni-Precon	60	75	89271	89195.999643	2769.5075	ng/L
Cu-Precon	63	689	175849	175159.658922	2285.3699	ng/L
Cu-Precon	65	315	81719	81404.127074	2262.3576	ng/L
Zn-Precon	66	1040	20320	19279.944147	780.5774	ng/L
Zn-Precon	68	753	12775	12021.557383	742.0850	ng/L
Cd-Precon	111	7	450	442.875435	19.7379	ng/L
Cd-Precon	114	19	1182	1162.807962	21.1124	ng/L
Pb-Precon	208	901	18250	17348.986535	58.0158	ng/L
Tb-Precon	159	10	2156	2146.192604		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 05:54:29

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.066

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	3633	3545.198387	61.4233	ng/L
Fe-Precon	54	428	34414	33985.742306	5071.4469	ng/L
Fe-Precon	56	8268	673279	665011.103439	4696.2151	ng/L
Fe-Precon	57	324	17422	17097.712660	4863.5430	ng/L
Co-Precon	59	42	129	87.555134	1.0683	ng/L
Ni-Precon	60	75	355	279.970787	9.1952	ng/L
Cu-Precon	63	689	8988	8298.255512	106.8975	ng/L
Cu-Precon	65	315	4098	3783.534198	104.0488	ng/L
Zn-Precon	66	1040	407	-633.619745	-8.5664	ng/L
Zn-Precon	68	753	239	-514.367982	-13.2976	ng/L
Cd-Precon	111	7	-1	-7.953931	-0.1938	ng/L
Cd-Precon	114	19	5	-13.970834	0.1686	ng/L
Pb-Precon	208	901	666	-234.918906	0.7426	ng/L
Tb-Precon	159	10	40	30.164674		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-06RE2

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 06:07:30

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 122

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1247017-06RE2.067

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	243722	243634.307429	4162.6828	ng/L
Fe-Precon	54	428	73274	72845.988608	10873.4446	ng/L
Fe-Precon	56	8268	2187305	2179036.832558	15266.9075	ng/L
Fe-Precon	57	324	248763	248438.494632	69950.3733	ng/L
Co-Precon	59	42	10396	10354.200242	55.6619	ng/L
Ni-Precon	60	75	75929	75854.814710	2355.3433	ng/L
Cu-Precon	63	689	142614	141924.981115	1851.4719	ng/L
Cu-Precon	65	315	68565	68250.365170	1896.6057	ng/L
Zn-Precon	66	1040	7964	6923.546086	290.9124	ng/L
Zn-Precon	68	753	5000	4247.108867	273.6168	ng/L
Cd-Precon	111	7	406	399.036157	17.7997	ng/L
Cd-Precon	114	19	1082	1063.009786	19.3362	ng/L
Pb-Precon	208	901	1751	849.334435	4.2741	ng/L
Tb-Precon	159	10	807	797.547241		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 06:20:30

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.068

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	2350	2262.410043	39.5104	ng/L
Fe-Precon	54	428	7380	6951.826526	1035.1700	ng/L
Fe-Precon	56	8268	146065	137796.972042	1015.2880	ng/L
Fe-Precon	57	324	3882	3557.519996	1054.0624	ng/L
Co-Precon	59	42	104	61.622031	0.9304	ng/L
Ni-Precon	60	75	273	198.344815	6.6612	ng/L
Cu-Precon	63	689	9027	8338.073217	107.4173	ng/L
Cu-Precon	65	315	4019	3703.805307	101.8319	ng/L
Zn-Precon	66	1040	312	-727.939823	-12.3042	ng/L
Zn-Precon	68	753	227	-526.396394	-14.0224	ng/L
Cd-Precon	111	7	-3	-9.383342	-0.2570	ng/L
Cd-Precon	114	19	-2	-20.613002	0.0504	ng/L
Pb-Precon	208	901	636	-265.708446	0.6423	ng/L
Tb-Precon	159	10	34	24.027857		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-07RE2

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 06:33:31

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 123

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1247017-07RE2.069

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	242078	241990.280517	4134.5992	ng/L
Fe-Precon	54	428	40660	40232.380496	6004.0962	ng/L
Fe-Precon	56	8268	1436538	1428270.486851	10025.1736	ng/L
Fe-Precon	57	324	224060	223736.053233	63000.4374	ng/L
Co-Precon	59	42	9275	9233.424070	49.7021	ng/L
Ni-Precon	60	75	74434	74359.201691	2308.9134	ng/L
Cu-Precon	63	689	141044	140354.371303	1830.9667	ng/L
Cu-Precon	65	315	67644	67328.968079	1870.9854	ng/L
Zn-Precon	66	1040	8657	7616.954141	318.3911	ng/L
Zn-Precon	68	753	5483	4730.341011	302.7351	ng/L
Cd-Precon	111	7	426	419.671617	18.7120	ng/L
Cd-Precon	114	19	1085	1066.192035	19.3929	ng/L
Pb-Precon	208	901	1551	649.855799	3.6244	ng/L
Tb-Precon	159	10	810	799.826983		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 06:46:31

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.070

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	2252	2164.169344	37.8322	ng/L
Fe-Precon	54	428	4498	4070.384014	604.9586	ng/L
Fe-Precon	56	8268	86733	78465.434770	601.0444	ng/L
Fe-Precon	57	324	2354	2029.428576	624.1399	ng/L
Co-Precon	59	42	101	59.083256	0.9169	ng/L
Ni-Precon	60	75	283	208.589832	6.9792	ng/L
Cu-Precon	63	689	8441	7751.515783	99.7595	ng/L
Cu-Precon	65	315	3993	3677.962681	101.1133	ng/L
Zn-Precon	66	1040	309	-731.292590	-12.4370	ng/L
Zn-Precon	68	753	221	-532.536828	-14.3924	ng/L
Cd-Precon	111	7	-1	-7.531121	-0.1752	ng/L
Cd-Precon	114	19	2	-16.570142	0.1223	ng/L
Pb-Precon	208	901	631	-270.077016	0.6281	ng/L
Tb-Precon	159	10	35	24.855542		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-08RE2

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 06:59:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 124

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1247017-08RE2.071

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	200453	200365.179945	3423.5493	ng/L
Fe-Precon	54	428	87202	86773.505651	12952.8812	ng/L
Fe-Precon	56	8268	3002833	2994565.634435	20960.8029	ng/L
Fe-Precon	57	324	416764	416439.522598	117216.8099	ng/L
Co-Precon	59	42	17179	17137.256971	91.7312	ng/L
Ni-Precon	60	75	107503	107428.018725	3335.5029	ng/L
Cu-Precon	63	689	119439	118750.052549	1548.9098	ng/L
Cu-Precon	65	315	58830	58514.950013	1625.9039	ng/L
Zn-Precon	66	1040	8561	7520.925163	314.5856	ng/L
Zn-Precon	68	753	5215	4461.555853	286.5388	ng/L
Cd-Precon	111	7	868	860.872085	38.2181	ng/L
Cd-Precon	114	19	2375	2356.246097	42.3527	ng/L
Pb-Precon	208	901	2119	1217.820789	5.4743	ng/L
Tb-Precon	159	10	1777	1767.340552		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 07:12:33

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.072

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	1626	1538.369668	27.1422	ng/L
Fe-Precon	54	428	4639	4211.139670	625.9740	ng/L
Fe-Precon	56	8268	89030	80762.666646	617.0833	ng/L
Fe-Precon	57	324	2440	2116.255465	648.5683	ng/L
Co-Precon	59	42	97	54.806141	0.8942	ng/L
Ni-Precon	60	75	265	190.261514	6.4102	ng/L
Cu-Precon	63	689	6817	6127.983450	78.5633	ng/L
Cu-Precon	65	315	3127	2811.728372	77.0269	ng/L
Zn-Precon	66	1040	307	-733.187755	-12.5121	ng/L
Zn-Precon	68	753	232	-520.996669	-13.6970	ng/L
Cd-Precon	111	7	-4	-10.425929	-0.3031	ng/L
Cd-Precon	114	19	-4	-22.600993	0.0150	ng/L
Pb-Precon	208	901	630	-271.499076	0.6234	ng/L
Tb-Precon	159	10	54	43.861887		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-09RE2

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 07:25:34

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 125

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1247017-09RE2.073

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	167868	167780.082243	2866.9228	ng/L
Fe-Precon	54	428	30203	29774.877727	4442.7472	ng/L
Fe-Precon	56	8268	1916860	1908592.568838	13378.7077	ng/L
Fe-Precon	57	324	446442	446118.070805	125566.7541	ng/L
Co-Precon	59	42	17283	17241.013439	92.2830	ng/L
Ni-Precon	60	75	115586	115511.212663	3586.4379	ng/L
Cu-Precon	63	689	126704	126014.298562	1643.7487	ng/L
Cu-Precon	65	315	61392	61077.283519	1697.1518	ng/L
Zn-Precon	66	1040	6399	5358.816907	228.9046	ng/L
Zn-Precon	68	753	3784	3030.706250	200.3195	ng/L
Cd-Precon	111	7	1158	1150.938627	51.0423	ng/L
Cd-Precon	114	19	3078	3058.858601	54.8575	ng/L
Pb-Precon	208	901	1338	436.554224	2.9297	ng/L
Tb-Precon	159	10	2311	2301.563214		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 07:38:36

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.074

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	1864	1776.568804	31.2112	ng/L
Fe-Precon	54	428	3927	3498.519179	519.5768	ng/L
Fe-Precon	56	8268	76577	68309.544118	530.1376	ng/L
Fe-Precon	57	324	2144	1820.114829	565.2502	ng/L
Co-Precon	59	42	115	73.258613	0.9923	ng/L
Ni-Precon	60	75	320	245.035325	8.1106	ng/L
Cu-Precon	63	689	13334	12644.581430	163.6413	ng/L
Cu-Precon	65	315	6140	5824.839509	160.8091	ng/L
Zn-Precon	66	1040	320	-719.883786	-11.9849	ng/L
Zn-Precon	68	753	220	-533.288661	-14.4377	ng/L
Cd-Precon	111	7	-9	-15.547758	-0.5296	ng/L
Cd-Precon	114	19	-12	-31.071327	-0.1358	ng/L
Pb-Precon	208	901	643	-258.371723	0.6662	ng/L
Tb-Precon	159	10	90	80.364649		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-10RE2

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 07:51:37

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 126

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1247017-10RE2.075

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	180155	180067.468195	3076.8189	ng/L
Fe-Precon	54	428	74390	73962.379097	11040.1263	ng/L
Fe-Precon	56	8268	2924471	2916203.689426	20413.6920	ng/L
Fe-Precon	57	324	475632	475307.590384	133779.1120	ng/L
Co-Precon	59	42	18850	18807.882309	100.6149	ng/L
Ni-Precon	60	75	118882	118807.078217	3688.7548	ng/L
Cu-Precon	63	689	108247	107557.350003	1402.7826	ng/L
Cu-Precon	65	315	52522	52206.870898	1450.5022	ng/L
Zn-Precon	66	1040	7040	5999.869284	254.3085	ng/L
Zn-Precon	68	753	4038	3285.220262	215.6558	ng/L
Cd-Precon	111	7	1082	1074.853208	47.6785	ng/L
Cd-Precon	114	19	2968	2949.631445	52.9135	ng/L
Pb-Precon	208	901	1972	1070.410460	4.9942	ng/L
Tb-Precon	159	10	2351	2341.187035		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 08:04:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.076

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	1645	1557.327847	27.4660	ng/L
Fe-Precon	54	428	4902	4474.336450	665.2704	ng/L
Fe-Precon	56	8268	95229	86960.982666	660.3590	ng/L
Fe-Precon	57	324	2621	2296.812239	699.3672	ng/L
Co-Precon	59	42	104	61.660004	0.9306	ng/L
Ni-Precon	60	75	304	229.685404	7.6341	ng/L
Cu-Precon	63	689	8064	7374.843846	94.8418	ng/L
Cu-Precon	65	315	3719	3404.354747	93.5054	ng/L
Zn-Precon	66	1040	321	-719.804585	-11.9818	ng/L
Zn-Precon	68	753	241	-511.771170	-13.1411	ng/L
Cd-Precon	111	7	-11	-18.102692	-0.6425	ng/L
Cd-Precon	114	19	-14	-33.175818	-0.1732	ng/L
Pb-Precon	208	901	653	-248.047720	0.6998	ng/L
Tb-Precon	159	10	92	81.729262		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV3

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 08:17:40

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CCV3.077

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	17546	17457.955257	299.0844	ng/L
Fe-Precon	54	428	4854	4425.569194	657.9892	ng/L
Fe-Precon	56	8268	93560	85292.240281	648.7081	ng/L
Fe-Precon	57	324	2545	2220.363651	677.8587	ng/L
Co-Precon	59	42	22080	22038.094662	117.7917	ng/L
Ni-Precon	60	75	3726	3651.431240	113.8589	ng/L
Cu-Precon	63	689	10515	9825.303441	126.8340	ng/L
Cu-Precon	65	315	4871	4556.166866	125.5326	ng/L
Zn-Precon	66	1040	14591	13550.222369	553.5174	ng/L
Zn-Precon	68	753	9645	8892.394205	553.5297	ng/L
Cd-Precon	111	7	2504	2497.705803	110.5846	ng/L
Cd-Precon	114	19	6179	6160.626582	110.0615	ng/L
Pb-Precon	208	901	33391	32489.677890	107.3312	ng/L
Tb-Precon	159	10	24	14.403522		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 08:30:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.078

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	771	683.105577	12.5324	ng/L
Fe-Precon	54	428	2210	1782.483161	263.3654	ng/L
Fe-Precon	56	8268	43111	34843.025466	296.4795	ng/L
Fe-Precon	57	324	1286	961.386436	323.6503	ng/L
Co-Precon	59	42	146	103.597400	1.1536	ng/L
Ni-Precon	60	75	119	44.731669	1.8924	ng/L
Cu-Precon	63	689	2890	2200.374237	27.2861	ng/L
Cu-Precon	65	315	1343	1027.618552	27.4182	ng/L
Zn-Precon	66	1040	332	-708.144464	-11.5197	ng/L
Zn-Precon	68	753	243	-509.837867	-13.0246	ng/L
Cd-Precon	111	7	3	-4.154204	-0.0259	ng/L
Cd-Precon	114	19	9	-9.533895	0.2475	ng/L
Pb-Precon	208	901	707	-194.598541	0.8739	ng/L
Tb-Precon	159	10	18	7.754142		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB3

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 08:43:43

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 10

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CCB3.079

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	383	295.311840	5.9080	ng/L
Fe-Precon	54	428	836	408.485148	58.2218	ng/L
Fe-Precon	56	8268	16515	8247.825748	110.7960	ng/L
Fe-Precon	57	324	603	278.481280	131.5176	ng/L
Co-Precon	59	42	99	56.991614	0.9058	ng/L
Ni-Precon	60	75	74	-0.720387	0.4814	ng/L
Cu-Precon	63	689	1018	328.843359	2.8522	ng/L
Cu-Precon	65	315	466	151.087054	3.0454	ng/L
Zn-Precon	66	1040	424	-616.322708	-7.8809	ng/L
Zn-Precon	68	753	346	-407.490030	-6.8574	ng/L
Cd-Precon	111	7	10	3.492111	0.3122	ng/L
Cd-Precon	114	19	26	7.051145	0.5427	ng/L
Pb-Precon	208	901	947	45.582464	1.6562	ng/L
Tb-Precon	159	10	14	3.868413		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 08:56:45

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.080

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	349	261.648722	5.3329	ng/L
Fe-Precon	54	428	1351	923.453432	135.1087	ng/L
Fe-Precon	56	8268	26193	17925.508662	178.3641	ng/L
Fe-Precon	57	324	840	515.426222	198.1812	ng/L
Co-Precon	59	42	88	46.331421	0.8491	ng/L
Ni-Precon	60	75	83	7.948138	0.7505	ng/L
Cu-Precon	63	689	1279	589.968638	6.2613	ng/L
Cu-Precon	65	315	602	287.387545	6.8354	ng/L
Zn-Precon	66	1040	275	-765.612842	-13.7971	ng/L
Zn-Precon	68	753	227	-526.521584	-14.0299	ng/L
Cd-Precon	111	7	1	-5.762803	-0.0970	ng/L
Cd-Precon	114	19	5	-13.624203	0.1747	ng/L
Pb-Precon	208	901	645	-256.691184	0.6717	ng/L
Tb-Precon	159	10	13	2.732476		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-11RE2

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 09:09:46

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 127

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1247017-11RE2.081

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	102723	102635.103396	1754.1007	ng/L
Fe-Precon	54	428	326351	325923.401073	48658.9627	ng/L
Fe-Precon	56	8268	8342562	8334294.740187	58241.9618	ng/L
Fe-Precon	57	324	643018	642693.392882	180872.4573	ng/L
Co-Precon	59	42	20155	20112.898659	107.5544	ng/L
Ni-Precon	60	75	109178	109103.416327	3387.5140	ng/L
Cu-Precon	63	689	57253	56564.029745	737.0352	ng/L
Cu-Precon	65	315	25843	25527.791839	708.6670	ng/L
Zn-Precon	66	1040	8339	7298.476219	305.7703	ng/L
Zn-Precon	68	753	4945	4191.888931	270.2893	ng/L
Cd-Precon	111	7	878	871.287749	38.6786	ng/L
Cd-Precon	114	19	2397	2377.903049	42.7381	ng/L
Pb-Precon	208	901	8385	7483.906768	25.8839	ng/L
Tb-Precon	159	10	3436	3425.832173		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 09:22:47

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.082

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	1622	1534.621177	27.0782	ng/L
Fe-Precon	54	428	14065	13637.344377	2033.3459	ng/L
Fe-Precon	56	8268	271679	263411.057545	1892.3060	ng/L
Fe-Precon	57	324	7252	6928.119645	2002.3676	ng/L
Co-Precon	59	42	112	70.304322	0.9766	ng/L
Ni-Precon	60	75	229	154.300644	5.2939	ng/L
Cu-Precon	63	689	4963	4273.859892	54.3567	ng/L
Cu-Precon	65	315	2172	1857.056360	50.4814	ng/L
Zn-Precon	66	1040	366	-674.783787	-10.1977	ng/L
Zn-Precon	68	753	250	-502.602684	-12.5886	ng/L
Cd-Precon	111	7	-10	-16.366543	-0.5658	ng/L
Cd-Precon	114	19	-17	-35.461291	-0.2139	ng/L
Pb-Precon	208	901	689	-212.585485	0.8153	ng/L
Tb-Precon	159	10	128	117.976088		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130013-DUP2

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 09:35:48

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 128

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130013-DUP2.083

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	112389	112300.737322	1919.2114	ng/L
Fe-Precon	54	428	361949	361520.663154	53973.7831	ng/L
Fe-Precon	56	8268	9238673	9230405.442773	64498.4674	ng/L
Fe-Precon	57	324	690851	690526.351811	194330.0745	ng/L
Co-Precon	59	42	21727	21685.054793	115.9144	ng/L
Ni-Precon	60	75	118006	117931.627948	3661.5773	ng/L
Cu-Precon	63	689	69500	68810.819075	896.9241	ng/L
Cu-Precon	65	315	29091	28775.976820	798.9856	ng/L
Zn-Precon	66	1040	9271	8230.603071	342.7091	ng/L
Zn-Precon	68	753	5607	4854.393505	310.2102	ng/L
Cd-Precon	111	7	931	924.255480	41.0203	ng/L
Cd-Precon	114	19	2681	2662.151213	47.7971	ng/L
Pb-Precon	208	901	8682	7781.254396	26.8524	ng/L
Tb-Precon	159	10	3501	3490.816663		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 09:48:49

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.084

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	1710	1622.353316	28.5768	ng/L
Fe-Precon	54	428	14607	14179.030155	2114.2218	ng/L
Fe-Precon	56	8268	281903	273635.610597	1963.6923	ng/L
Fe-Precon	57	324	7569	7245.122290	2091.5550	ng/L
Co-Precon	59	42	101	58.944706	0.9162	ng/L
Ni-Precon	60	75	244	169.248771	5.7579	ng/L
Cu-Precon	63	689	4058	3369.029640	42.5436	ng/L
Cu-Precon	65	315	1729	1414.056538	38.1634	ng/L
Zn-Precon	66	1040	370	-670.633956	-10.0332	ng/L
Zn-Precon	68	753	253	-500.482692	-12.4609	ng/L
Cd-Precon	111	7	-9	-16.012553	-0.5501	ng/L
Cd-Precon	114	19	-20	-38.900453	-0.2751	ng/L
Pb-Precon	208	901	724	-176.889795	0.9316	ng/L
Tb-Precon	159	10	129	119.122512		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130013-MS2

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 10:01:50

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 129

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130013-MS2.085

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	411897	411808.795332	7035.4796	ng/L
Fe-Precon	54	428	434624	434196.384309	64824.5728	ng/L
Fe-Precon	56	8268	10815640	10807372.695109	75508.6077	ng/L
Fe-Precon	57	324	739732	739407.761403	208082.6691	ng/L
Co-Precon	59	42	283964	283922.305431	1510.3781	ng/L
Ni-Precon	60	75	178894	178819.139057	5551.7713	ng/L
Cu-Precon	63	689	195370	194680.280516	2540.2230	ng/L
Cu-Precon	65	315	88191	87876.518012	2442.3281	ng/L
Zn-Precon	66	1040	168996	167955.711261	6672.3685	ng/L
Zn-Precon	68	753	110949	110195.625828	6657.8013	ng/L
Cd-Precon	111	7	43606	43598.842279	1927.7190	ng/L
Cd-Precon	114	19	109607	109588.554157	1950.8280	ng/L
Pb-Precon	208	901	414502	413600.731901	1348.6635	ng/L
Tb-Precon	159	10	3518	3507.833168		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 10:14:51

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.086

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	8490	8402.599394	144.3986	ng/L
Fe-Precon	54	428	14775	14347.023412	2139.3039	ng/L
Fe-Precon	56	8268	287686	279418.668344	2004.0687	ng/L
Fe-Precon	57	324	7639	7314.537228	2111.0846	ng/L
Co-Precon	59	42	322	280.539658	2.0945	ng/L
Ni-Precon	60	75	527	452.160778	14.5407	ng/L
Cu-Precon	63	689	9690	9000.149645	116.0611	ng/L
Cu-Precon	65	315	4398	4083.050324	112.3771	ng/L
Zn-Precon	66	1040	553	-487.536144	-2.7773	ng/L
Zn-Precon	68	753	362	-391.491587	-5.8934	ng/L
Cd-Precon	111	7	-3	-9.203947	-0.2491	ng/L
Cd-Precon	114	19	18	-0.875168	0.4017	ng/L
Pb-Precon	208	901	1004	103.072741	1.8435	ng/L
Tb-Precon	159	10	129	118.786555		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130013-MSD2

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 10:27:52

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 130

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130013-MSD2.087

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	416465	416377.384286	7113.5213	ng/L
Fe-Precon	54	428	442119	441691.226601	65943.5842	ng/L
Fe-Precon	56	8268	11079347	11071079.803706	77349.7698	ng/L
Fe-Precon	57	324	753157	752832.913199	211859.7834	ng/L
Co-Precon	59	42	285901	285859.375831	1520.6786	ng/L
Ni-Precon	60	75	181850	181775.067454	5643.5353	ng/L
Cu-Precon	63	689	198870	198180.620540	2585.9220	ng/L
Cu-Precon	65	315	88460	88145.152133	2449.7977	ng/L
Zn-Precon	66	1040	171258	170217.498782	6761.9996	ng/L
Zn-Precon	68	753	112138	111385.079416	6729.4747	ng/L
Cd-Precon	111	7	43695	43688.286422	1931.6734	ng/L
Cd-Precon	114	19	110028	110008.920615	1958.3095	ng/L
Pb-Precon	208	901	406030	405128.972328	1321.0698	ng/L
Tb-Precon	159	10	3501	3490.860996		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 10:40:53

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.088

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	9049	8961.616121	153.9479	ng/L
Fe-Precon	54	428	16521	16093.498581	2400.0600	ng/L
Fe-Precon	56	8268	320152	311884.068478	2230.7371	ng/L
Fe-Precon	57	324	8502	8177.430390	2353.8563	ng/L
Co-Precon	59	42	332	290.560979	2.1478	ng/L
Ni-Precon	60	75	561	486.436029	15.6047	ng/L
Cu-Precon	63	689	11525	10835.775004	140.0263	ng/L
Cu-Precon	65	315	5197	4881.730261	134.5851	ng/L
Zn-Precon	66	1040	536	-503.930338	-3.4270	ng/L
Zn-Precon	68	753	347	-406.061781	-6.7713	ng/L
Cd-Precon	111	7	2	-4.641454	-0.0474	ng/L
Cd-Precon	114	19	14	-4.457264	0.3379	ng/L
Pb-Precon	208	901	979	77.362191	1.7597	ng/L
Tb-Precon	159	10	124	114.028092		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1247017-12RE2

Sample Description:

Batch ID: B130013

Sample Date/Time: Sunday, January 06, 2013 10:53:54

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 131

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1247017-12RE2.089

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	85710	85621.695276	1463.4736	ng/L
Fe-Precon	54	428	4359	3931.187102	584.1759	ng/L
Fe-Precon	56	8268	1662261	1653993.089517	11601.1337	ng/L
Fe-Precon	57	324	564025	563700.646308	158648.1549	ng/L
Co-Precon	59	42	16215	16173.005494	86.6037	ng/L
Ni-Precon	60	75	111999	111924.858511	3475.1030	ng/L
Cu-Precon	63	689	65910	65220.467985	850.0500	ng/L
Cu-Precon	65	315	25856	25540.712420	709.0263	ng/L
Zn-Precon	66	1040	7589	6548.685698	276.0573	ng/L
Zn-Precon	68	753	4618	3865.162699	250.6017	ng/L
Cd-Precon	111	7	655	648.277664	28.8190	ng/L
Cd-Precon	114	19	1882	1862.692466	33.5686	ng/L
Pb-Precon	208	901	828	-73.388430	1.2687	ng/L
Tb-Precon	159	10	3066	3055.903690		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 11:06:54

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.090

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	2081	1993.409898	34.9153	ng/L
Fe-Precon	54	428	3813	3384.535947	502.5586	ng/L
Fe-Precon	56	8268	73264	64995.868665	507.0020	ng/L
Fe-Precon	57	324	2205	1880.745077	582.3083	ng/L
Co-Precon	59	42	118	75.887227	1.0063	ng/L
Ni-Precon	60	75	206	131.255649	4.5785	ng/L
Cu-Precon	63	689	6002	5312.739704	67.9199	ng/L
Cu-Precon	65	315	2705	2390.425114	65.3122	ng/L
Zn-Precon	66	1040	353	-687.709421	-10.7099	ng/L
Zn-Precon	68	753	262	-490.851681	-11.8805	ng/L
Cd-Precon	111	7	-22	-28.732125	-1.1125	ng/L
Cd-Precon	114	19	-16	-34.449514	-0.1959	ng/L
Pb-Precon	208	901	703	-198.335338	0.8617	ng/L
Tb-Precon	159	10	130	120.092249		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV4

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 11:19:56

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CCV4.091

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	16995	16907.096189	289.6744	ng/L
Fe-Precon	54	428	5210	4781.918060	711.1936	ng/L
Fe-Precon	56	8268	101328	93059.991217	702.9414	ng/L
Fe-Precon	57	324	3134	2809.628718	843.6461	ng/L
Co-Precon	59	42	20744	20702.343383	110.6888	ng/L
Ni-Precon	60	75	3546	3471.658595	108.2780	ng/L
Cu-Precon	63	689	10676	9986.904162	128.9438	ng/L
Cu-Precon	65	315	4934	4619.551401	127.2950	ng/L
Zn-Precon	66	1040	13844	12803.597598	523.9298	ng/L
Zn-Precon	68	753	9194	8441.170367	526.3401	ng/L
Cd-Precon	111	7	2400	2392.967857	105.9540	ng/L
Cd-Precon	114	19	5973	5954.547541	106.3937	ng/L
Pb-Precon	208	901	32747	31846.132503	105.2351	ng/L
Tb-Precon	159	10	31	21.191452		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 11:32:58

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.092

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	1121	1032.731250	18.5048	ng/L
Fe-Precon	54	428	2836	2408.056233	356.7661	ng/L
Fe-Precon	56	8268	54385	46117.569217	375.1967	ng/L
Fe-Precon	57	324	1752	1427.821743	454.8801	ng/L
Co-Precon	59	42	177	134.632647	1.3187	ng/L
Ni-Precon	60	75	129	54.716173	2.2024	ng/L
Cu-Precon	63	689	3136	2446.177509	30.4952	ng/L
Cu-Precon	65	315	1416	1101.309472	29.4672	ng/L
Zn-Precon	66	1040	343	-697.042712	-11.0797	ng/L
Zn-Precon	68	753	259	-493.899141	-12.0642	ng/L
Cd-Precon	111	7	3	-3.653016	-0.0037	ng/L
Cd-Precon	114	19	6	-12.387634	0.1968	ng/L
Pb-Precon	208	901	707	-193.940204	0.8760	ng/L
Tb-Precon	159	10	21	11.584463		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB4

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 11:46:00

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CCB4.093

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	681	593.250335	10.9974	ng/L
Fe-Precon	54	428	1018	589.955033	85.3160	ng/L
Fe-Precon	56	8268	19663	11395.095150	132.7697	ng/L
Fe-Precon	57	324	823	499.095318	193.5865	ng/L
Co-Precon	59	42	132	89.993236	1.0813	ng/L
Ni-Precon	60	75	99	24.329356	1.2590	ng/L
Cu-Precon	63	689	1081	391.414615	3.6691	ng/L
Cu-Precon	65	315	479	164.196928	3.4100	ng/L
Zn-Precon	66	1040	783	-257.309550	6.3462	ng/L
Zn-Precon	68	753	545	-207.643872	5.1848	ng/L
Cd-Precon	111	7	7	0.014432	0.1584	ng/L
Cd-Precon	114	19	23	4.089815	0.4900	ng/L
Pb-Precon	208	901	1146	244.587616	2.3044	ng/L
Tb-Precon	159	10	19	9.288347		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 11:59:01

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.094

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	515	427.475422	8.1656	ng/L
Fe-Precon	54	428	1661	1233.212453	181.3570	ng/L
Fe-Precon	56	8268	32713	24444.898546	223.8814	ng/L
Fe-Precon	57	324	1136	811.369013	281.4435	ng/L
Co-Precon	59	42	95	53.129867	0.8853	ng/L
Ni-Precon	60	75	83	8.232081	0.7593	ng/L
Cu-Precon	63	689	1198	508.123271	5.1928	ng/L
Cu-Precon	65	315	527	211.577534	4.7274	ng/L
Zn-Precon	66	1040	297	-743.336917	-12.9143	ng/L
Zn-Precon	68	753	211	-541.832968	-14.9525	ng/L
Cd-Precon	111	7	-0	-6.897410	-0.1471	ng/L
Cd-Precon	114	19	4	-14.409391	0.1608	ng/L
Pb-Precon	208	901	646	-255.535097	0.6754	ng/L
Tb-Precon	159	10	12	1.904767		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130014-BLK1

Sample Description:

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 12:12:02

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 201

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130014-BLK1.095

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	513	425.396591	8.1301	ng/L
Fe-Precon	54	428	740	312.454709	43.8840	ng/L
Fe-Precon	56	8268	14723	6455.593753	98.2829	ng/L
Fe-Precon	57	324	661	336.678597	147.8912	ng/L
Co-Precon	59	42	107	64.794364	0.9473	ng/L
Ni-Precon	60	75	66	-8.450386	0.2414	ng/L
Cu-Precon	63	689	791	101.368650	-0.1176	ng/L
Cu-Precon	65	315	372	57.387379	0.4400	ng/L
Zn-Precon	66	1040	569	-471.515636	-2.1425	ng/L
Zn-Precon	68	753	426	-326.925919	-2.0028	ng/L
Cd-Precon	111	7	2	-4.233251	-0.0293	ng/L
Cd-Precon	114	19	3	-15.491321	0.1415	ng/L
Pb-Precon	208	901	616	-285.543317	0.5777	ng/L
Tb-Precon	159	10	9	-1.174028		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 12:25:02

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.096

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	396	308.243721	6.1289	ng/L
Fe-Precon	54	428	1117	689.498816	100.1783	ng/L
Fe-Precon	56	8268	21459	13190.992110	145.3084	ng/L
Fe-Precon	57	324	836	511.684383	197.1284	ng/L
Co-Precon	59	42	91	49.119363	0.8639	ng/L
Ni-Precon	60	75	80	4.955856	0.6576	ng/L
Cu-Precon	63	689	883	193.736654	1.0883	ng/L
Cu-Precon	65	315	402	87.439733	1.2757	ng/L
Zn-Precon	66	1040	274	-766.096874	-13.8163	ng/L
Zn-Precon	68	753	221	-531.910057	-14.3546	ng/L
Cd-Precon	111	7	1	-5.508722	-0.0857	ng/L
Cd-Precon	114	19	4	-15.052566	0.1493	ng/L
Pb-Precon	208	901	664	-237.297718	0.7348	ng/L
Tb-Precon	159	10	12	2.032907		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130014-BLK2

Sample Description:

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 12:38:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 202

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130014-BLK2.097

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	454	366.303824	7.1207	ng/L
Fe-Precon	54	428	749	321.156745	45.1833	ng/L
Fe-Precon	56	8268	14395	6127.325463	95.9910	ng/L
Fe-Precon	57	324	645	320.638158	143.3783	ng/L
Co-Precon	59	42	107	64.839268	0.9475	ng/L
Ni-Precon	60	75	56	-18.348346	-0.0659	ng/L
Cu-Precon	63	689	684	-5.012081	-1.5065	ng/L
Cu-Precon	65	315	308	-7.347992	-1.3600	ng/L
Zn-Precon	66	1040	232	-808.095282	-15.4806	ng/L
Zn-Precon	68	753	171	-581.745037	-17.3575	ng/L
Cd-Precon	111	7	1	-5.890684	-0.1026	ng/L
Cd-Precon	114	19	5	-13.791602	0.1718	ng/L
Pb-Precon	208	901	640	-261.136172	0.6572	ng/L
Tb-Precon	159	10	7	-2.822518		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 12:51:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.098

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	316	228.302144	4.7633	ng/L
Fe-Precon	54	428	881	452.679007	64.8201	ng/L
Fe-Precon	56	8268	17486	9218.315770	117.5718	ng/L
Fe-Precon	57	324	729	404.606303	167.0024	ng/L
Co-Precon	59	42	80	38.556432	0.8078	ng/L
Ni-Precon	60	75	78	3.563640	0.6144	ng/L
Cu-Precon	63	689	637	-52.568792	-2.1274	ng/L
Cu-Precon	65	315	298	-16.508990	-1.6147	ng/L
Zn-Precon	66	1040	282	-758.844327	-13.5289	ng/L
Zn-Precon	68	753	204	-549.078510	-15.3891	ng/L
Cd-Precon	111	7	1	-5.304621	-0.0767	ng/L
Cd-Precon	114	19	6	-12.478502	0.1951	ng/L
Pb-Precon	208	901	675	-226.633050	0.7696	ng/L
Tb-Precon	159	10	10	0.173165		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130014-BLK3

Sample Description:

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 13:04:04

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 203

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130014-BLK3.099

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	394	306.176489	6.0936	ng/L
Fe-Precon	54	428	516	87.905751	10.3579	ng/L
Fe-Precon	56	8268	10446	2178.387780	68.4201	ng/L
Fe-Precon	57	324	555	231.244104	118.2276	ng/L
Co-Precon	59	42	95	52.987906	0.8845	ng/L
Ni-Precon	60	75	40	-34.410861	-0.5645	ng/L
Cu-Precon	63	689	560	-129.707722	-3.1344	ng/L
Cu-Precon	65	315	254	-61.354577	-2.8617	ng/L
Zn-Precon	66	1040	266	-773.962743	-14.1280	ng/L
Zn-Precon	68	753	220	-533.199049	-14.4323	ng/L
Cd-Precon	111	7	2	-4.500131	-0.0411	ng/L
Cd-Precon	114	19	3	-15.592159	0.1397	ng/L
Pb-Precon	208	901	644	-257.312920	0.6696	ng/L
Tb-Precon	159	10	3	-6.649361		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 13:17:04

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.100

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	268	179.803725	3.9348	ng/L
Fe-Precon	54	428	904	475.729675	68.2616	ng/L
Fe-Precon	56	8268	17492	9224.054581	117.6119	ng/L
Fe-Precon	57	324	717	393.170970	163.7851	ng/L
Co-Precon	59	42	81	38.729610	0.8087	ng/L
Ni-Precon	60	75	70	-4.270250	0.3712	ng/L
Cu-Precon	63	689	583	-105.908444	-2.8237	ng/L
Cu-Precon	65	315	259	-55.487361	-2.6985	ng/L
Zn-Precon	66	1040	277	-763.020888	-13.6944	ng/L
Zn-Precon	68	753	209	-544.516819	-15.1143	ng/L
Cd-Precon	111	7	1	-5.274629	-0.0754	ng/L
Cd-Precon	114	19	7	-11.757290	0.2080	ng/L
Pb-Precon	208	901	686	-215.175988	0.8069	ng/L
Tb-Precon	159	10	7	-2.988751		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130014-BLK4

Sample Description:

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 13:30:04

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 204

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130014-BLK4.101

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	303	215.536944	4.5452	ng/L
Fe-Precon	54	428	945	516.780816	74.3907	ng/L
Fe-Precon	56	8268	18858	10590.524132	127.1524	ng/L
Fe-Precon	57	324	734	410.172057	168.5683	ng/L
Co-Precon	59	42	93	51.342805	0.8758	ng/L
Ni-Precon	60	75	42	-32.932047	-0.5186	ng/L
Cu-Precon	63	689	556	-133.804402	-3.1879	ng/L
Cu-Precon	65	315	249	-65.855905	-2.9868	ng/L
Zn-Precon	66	1040	254	-786.819351	-14.6375	ng/L
Zn-Precon	68	753	205	-548.392711	-15.3478	ng/L
Cd-Precon	111	7	1	-5.511061	-0.0858	ng/L
Cd-Precon	114	19	3	-15.692419	0.1379	ng/L
Pb-Precon	208	901	623	-278.728556	0.5999	ng/L
Tb-Precon	159	10	5	-4.405203		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 13:43:04

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.102

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	238	149.692812	3.4205	ng/L
Fe-Precon	54	428	760	332.483776	46.8744	ng/L
Fe-Precon	56	8268	14791	6523.619324	98.7579	ng/L
Fe-Precon	57	324	636	312.014149	140.9520	ng/L
Co-Precon	59	42	90	47.779048	0.8568	ng/L
Ni-Precon	60	75	62	-12.945708	0.1019	ng/L
Cu-Precon	63	689	500	-189.017633	-3.9088	ng/L
Cu-Precon	65	315	229	-86.218760	-3.5531	ng/L
Zn-Precon	66	1040	280	-760.101120	-13.5787	ng/L
Zn-Precon	68	753	221	-531.886093	-14.3532	ng/L
Cd-Precon	111	7	1	-5.320498	-0.0774	ng/L
Cd-Precon	114	19	4	-14.758401	0.1546	ng/L
Pb-Precon	208	901	669	-231.893259	0.7524	ng/L
Tb-Precon	159	10	11	1.066669		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130014-BS1

Sample Description:

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 13:56:04

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 205

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130014-BS1.103

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	179312	179224.564536	3062.4202	ng/L
Fe-Precon	54	428	803750	803321.725253	119936.5330	ng/L
Fe-Precon	56	8268	16469888	16461620.406253	114985.6866	ng/L
Fe-Precon	57	324	392055	391730.460703	110265.0113	ng/L
Co-Precon	59	42	381256	381213.903670	2027.7326	ng/L
Ni-Precon	60	75	131937	131862.639751	4094.0521	ng/L
Cu-Precon	63	689	172594	171904.871717	2242.8768	ng/L
Cu-Precon	65	315	78919	78603.654147	2184.4880	ng/L
Zn-Precon	66	1040	104455	103414.697375	4114.7078	ng/L
Zn-Precon	68	753	68398	67645.197922	4093.8222	ng/L
Cd-Precon	111	7	4750	4743.443844	209.8716	ng/L
Cd-Precon	114	19	13088	13069.611064	233.0246	ng/L
Pb-Precon	208	901	162097	161195.941562	526.5456	ng/L
Tb-Precon	159	10	127	117.428629		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 14:09:04

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.104

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	2349	2261.013742	39.4866	ng/L
Fe-Precon	54	428	18932	18503.891664	2759.9418	ng/L
Fe-Precon	56	8268	371892	363624.509708	2591.9808	ng/L
Fe-Precon	57	324	9848	9524.147861	2732.7500	ng/L
Co-Precon	59	42	733	691.462323	4.2796	ng/L
Ni-Precon	60	75	728	653.707510	20.7975	ng/L
Cu-Precon	63	689	6530	5840.146009	74.8055	ng/L
Cu-Precon	65	315	2974	2659.205987	72.7859	ng/L
Zn-Precon	66	1040	536	-504.589291	-3.4531	ng/L
Zn-Precon	68	753	331	-422.039717	-7.7341	ng/L
Cd-Precon	111	7	5	-1.344094	0.0984	ng/L
Cd-Precon	114	19	112	92.742594	2.0678	ng/L
Pb-Precon	208	901	889	-11.862720	1.4691	ng/L
Tb-Precon	159	10	12	2.517756		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-10RE2

Sample Description:

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 14:22:04

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 206

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245032-10RE2.105

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	861	773.258731	14.0724	ng/L
Fe-Precon	54	428	5527	5099.207444	758.5662	ng/L
Fe-Precon	56	8268	106618	98350.300912	739.8775	ng/L
Fe-Precon	57	324	3015	2690.486554	810.1259	ng/L
Co-Precon	59	42	247	205.563324	1.6958	ng/L
Ni-Precon	60	75	920	845.725418	26.7585	ng/L
Cu-Precon	63	689	15739	15049.481569	195.0387	ng/L
Cu-Precon	65	315	7397	7081.882506	195.7623	ng/L
Zn-Precon	66	1040	7186	6145.698630	260.0875	ng/L
Zn-Precon	68	753	4755	4001.797160	258.8349	ng/L
Cd-Precon	111	7	22	14.993536	0.8207	ng/L
Cd-Precon	114	19	86	66.711968	1.6045	ng/L
Pb-Precon	208	901	2632	1730.318600	7.1436	ng/L
Tb-Precon	159	10	20	10.659773		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 14:35:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.106

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	403	315.202857	6.2478	ng/L
Fe-Precon	54	428	2938	2510.376170	372.0429	ng/L
Fe-Precon	56	8268	56666	48398.796365	391.1238	ng/L
Fe-Precon	57	324	1773	1448.806382	460.7841	ng/L
Co-Precon	59	42	119	76.708179	1.0106	ng/L
Ni-Precon	60	75	124	49.171568	2.0302	ng/L
Cu-Precon	63	689	2297	1607.478820	19.5455	ng/L
Cu-Precon	65	315	1038	723.516315	18.9623	ng/L
Zn-Precon	66	1040	324	-716.256102	-11.8411	ng/L
Zn-Precon	68	753	230	-523.369037	-13.8399	ng/L
Cd-Precon	111	7	1	-5.232633	-0.0735	ng/L
Cd-Precon	114	19	14	-4.984988	0.3285	ng/L
Pb-Precon	208	901	663	-238.632330	0.7305	ng/L
Tb-Precon	159	10	8	-1.458013		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245005-26RE2

Sample Description:

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 14:48:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 207

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245005-26RE2.107

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	409	321.191388	6.3501	ng/L
Fe-Precon	54	428	2729	2300.806204	340.7532	ng/L
Fe-Precon	56	8268	52548	44280.416643	362.3699	ng/L
Fe-Precon	57	324	1577	1252.368197	405.5169	ng/L
Co-Precon	59	42	155	113.298504	1.2052	ng/L
Ni-Precon	60	75	379	304.348183	9.9520	ng/L
Cu-Precon	63	689	1640	950.373115	10.9666	ng/L
Cu-Precon	65	315	753	438.340346	11.0328	ng/L
Zn-Precon	66	1040	2380	1339.148128	69.6113	ng/L
Zn-Precon	68	753	1572	818.896973	67.0415	ng/L
Cd-Precon	111	7	3	-3.567141	0.0001	ng/L
Cd-Precon	114	19	16	-2.844701	0.3666	ng/L
Pb-Precon	208	901	6828	5926.433972	20.8110	ng/L
Tb-Precon	159	10	7	-2.462344		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 15:01:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.108

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	324	235.987637	4.8946	ng/L
Fe-Precon	54	428	4324	3896.039247	578.9282	ng/L
Fe-Precon	56	8268	83769	75501.298651	580.3493	ng/L
Fe-Precon	57	324	2380	2056.072772	631.6361	ng/L
Co-Precon	59	42	118	76.129811	1.0076	ng/L
Ni-Precon	60	75	106	30.937305	1.4642	ng/L
Cu-Precon	63	689	2235	1545.957320	18.7423	ng/L
Cu-Precon	65	315	1013	698.450204	18.2654	ng/L
Zn-Precon	66	1040	309	-731.555439	-12.4474	ng/L
Zn-Precon	68	753	223	-530.383072	-14.2626	ng/L
Cd-Precon	111	7	1	-5.719502	-0.0951	ng/L
Cd-Precon	114	19	9	-9.732241	0.2440	ng/L
Pb-Precon	208	901	676	-225.272299	0.7740	ng/L
Tb-Precon	159	10	7	-2.535066		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245005-19RE2

Sample Description: 10x

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 15:14:02

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 208

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245005-19RE2.109

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	14450	14361.857597	2461.9607	ng/L
Fe-Precon	54	428	16302	15873.885250	23672.7079	ng/L
Fe-Precon	56	8268	481016	472748.450472	33538.6718	ng/L
Fe-Precon	57	324	70427	70103.242393	197764.4291	ng/L
Co-Precon	59	42	4220	4178.550441	228.2245	ng/L
Ni-Precon	60	75	13529	13454.890909	4181.9786	ng/L
Cu-Precon	63	689	12659	11970.096086	1548.3551	ng/L
Cu-Precon	65	315	6055	5740.127114	1584.5361	ng/L
Zn-Precon	66	1040	1650	610.055176	407.1852	ng/L
Zn-Precon	68	753	1291	538.104973	501.2174	ng/L
Cd-Precon	111	7	-28	-34.720455	-13.7723	ng/L
Cd-Precon	114	19	51	31.707790	9.8155	ng/L
Pb-Precon	208	901	20451	19550.237442	651.8561	ng/L
Tb-Precon	159	10	1220	1209.985688		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 15:27:02

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.110

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	433	345.445106	6.7644	ng/L
Fe-Precon	54	428	2366	1937.953682	286.5778	ng/L
Fe-Precon	56	8268	47413	39145.725221	326.5203	ng/L
Fe-Precon	57	324	1549	1224.542878	397.6884	ng/L
Co-Precon	59	42	107	64.811527	0.9474	ng/L
Ni-Precon	60	75	93	18.168192	1.0678	ng/L
Cu-Precon	63	689	1643	953.671118	11.0097	ng/L
Cu-Precon	65	315	736	420.789533	10.5448	ng/L
Zn-Precon	66	1040	314	-726.656315	-12.2533	ng/L
Zn-Precon	68	753	252	-501.508166	-12.5227	ng/L
Cd-Precon	111	7	-6	-13.047863	-0.4191	ng/L
Cd-Precon	114	19	-3	-21.916385	0.0272	ng/L
Pb-Precon	208	901	712	-189.153219	0.8916	ng/L
Tb-Precon	159	10	64	53.887974		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130014-DUP1

Sample Description: 10x

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 15:40:02

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 209

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130014-DUP1.111

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	14922	14834.609064	2542.7173	ng/L
Fe-Precon	54	428	16868	16440.391823	24518.5260	ng/L
Fe-Precon	56	8268	497461	489193.673226	34686.8517	ng/L
Fe-Precon	57	324	72974	72649.989132	204929.6021	ng/L
Co-Precon	59	42	4316	4273.676216	233.2829	ng/L
Ni-Precon	60	75	13988	13913.434099	4324.3289	ng/L
Cu-Precon	63	689	13800	13110.345020	1697.2212	ng/L
Cu-Precon	65	315	6280	5964.736309	1646.9906	ng/L
Zn-Precon	66	1040	1830	789.295262	478.2153	ng/L
Zn-Precon	68	753	1326	573.349265	522.4547	ng/L
Cd-Precon	111	7	-38	-44.751500	-18.2071	ng/L
Cd-Precon	114	19	34	15.599941	6.9487	ng/L
Pb-Precon	208	901	20347	19446.037883	648.4621	ng/L
Tb-Precon	159	10	1216	1206.296040		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 15:53:02

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.112

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	407	318.948638	6.3117	ng/L
Fe-Precon	54	428	2256	1827.868677	270.1417	ng/L
Fe-Precon	56	8268	44206	35938.707267	304.1294	ng/L
Fe-Precon	57	324	1450	1125.323862	369.7735	ng/L
Co-Precon	59	42	109	66.758122	0.9577	ng/L
Ni-Precon	60	75	94	19.408055	1.1063	ng/L
Cu-Precon	63	689	1645	955.978965	11.0398	ng/L
Cu-Precon	65	315	747	432.563484	10.8721	ng/L
Zn-Precon	66	1040	322	-718.656272	-11.9363	ng/L
Zn-Precon	68	753	253	-499.976364	-12.4304	ng/L
Cd-Precon	111	7	-7	-13.198063	-0.4257	ng/L
Cd-Precon	114	19	-6	-25.022139	-0.0281	ng/L
Pb-Precon	208	901	717	-184.214375	0.9077	ng/L
Tb-Precon	159	10	72	62.469942		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130014-MS1

Sample Description: 10x

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 16:06:02

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 210

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130014-MS1.113

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	420268	420179.982974	71784.7824	ng/L
Fe-Precon	54	428	102821	102392.779398	152849.0423	ng/L
Fe-Precon	56	8268	2339793	2331525.442500	163315.5930	ng/L
Fe-Precon	57	324	117131	116806.699719	329162.7919	ng/L
Co-Precon	59	42	426144	426101.745356	22664.2659	ng/L
Ni-Precon	60	75	94036	93961.776283	29174.5640	ng/L
Cu-Precon	63	689	186794	186104.159952	24282.5676	ng/L
Cu-Precon	65	315	88116	87801.337090	24402.3761	ng/L
Zn-Precon	66	1040	271710	270669.171106	107427.4430	ng/L
Zn-Precon	68	753	180166	179412.850321	108286.5285	ng/L
Cd-Precon	111	7	55158	55151.140024	24384.6098	ng/L
Cd-Precon	114	19	137026	137006.785378	24388.0612	ng/L
Pb-Precon	208	901	582920	582018.993600	18972.2550	ng/L
Tb-Precon	159	10	1227	1217.108659		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 16:19:02

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.114

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	4599	4511.179553	77.9244	ng/L
Fe-Precon	54	428	7802	7373.714148	1098.1596	ng/L
Fe-Precon	56	8268	150900	142632.502066	1049.0489	ng/L
Fe-Precon	57	324	4275	3950.642954	1164.6661	ng/L
Co-Precon	59	42	1036	993.747292	5.8871	ng/L
Ni-Precon	60	75	602	527.356128	16.8750	ng/L
Cu-Precon	63	689	19490	18800.176686	244.0062	ng/L
Cu-Precon	65	315	9138	8823.194119	244.1810	ng/L
Zn-Precon	66	1040	1009	-31.394455	15.2989	ng/L
Zn-Precon	68	753	670	-82.884795	12.7025	ng/L
Cd-Precon	111	7	13	6.498906	0.4451	ng/L
Cd-Precon	114	19	39	20.589174	0.7837	ng/L
Pb-Precon	208	901	1180	279.099600	2.4168	ng/L
Tb-Precon	159	10	69	59.356443		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV5

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 16:32:04

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CCV5.115

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	78165	78077.124332	1334.5955	ng/L
Fe-Precon	54	428	18359	17931.430593	2674.4709	ng/L
Fe-Precon	56	8268	356642	348374.546140	2485.5079	ng/L
Fe-Precon	57	324	9391	9066.396493	2603.9634	ng/L
Co-Precon	59	42	102408	102366.153431	544.9414	ng/L
Ni-Precon	60	75	17056	16980.962560	527.6613	ng/L
Cu-Precon	63	689	41183	40493.642057	527.2270	ng/L
Cu-Precon	65	315	19580	19265.558406	534.5401	ng/L
Zn-Precon	66	1040	68063	67023.139324	2672.5665	ng/L
Zn-Precon	68	753	44863	44110.454340	2675.6792	ng/L
Cd-Precon	111	7	11960	11953.766986	528.6493	ng/L
Cd-Precon	114	19	29751	29732.323983	529.5806	ng/L
Pb-Precon	208	901	159328	158426.986697	517.5267	ng/L
Tb-Precon	159	10	21	11.134242		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 16:45:05

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.116

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	2420	2332.409306	40.7062	ng/L
Fe-Precon	54	428	3534	3106.324581	461.0205	ng/L
Fe-Precon	56	8268	67807	59538.956392	468.9027	ng/L
Fe-Precon	57	324	2085	1761.115991	548.6511	ng/L
Co-Precon	59	42	434	392.272296	2.6887	ng/L
Ni-Precon	60	75	290	215.609936	7.1972	ng/L
Cu-Precon	63	689	8395	7705.901530	99.1640	ng/L
Cu-Precon	65	315	3875	3559.850643	97.8291	ng/L
Zn-Precon	66	1040	543	-497.752061	-3.1822	ng/L
Zn-Precon	68	753	372	-381.116700	-5.2682	ng/L
Cd-Precon	111	7	11	3.987251	0.3341	ng/L
Cd-Precon	114	19	28	8.759427	0.5731	ng/L
Pb-Precon	208	901	905	3.673855	1.5197	ng/L
Tb-Precon	159	10	14	4.384426		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB5

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 16:58:07

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CCB5.117

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	749	660.937794	12.1537	ng/L
Fe-Precon	54	428	1002	573.506227	82.8601	ng/L
Fe-Precon	56	8268	20104	11836.414584	135.8510	ng/L
Fe-Precon	57	324	802	477.817904	187.6002	ng/L
Co-Precon	59	42	137	95.340900	1.1097	ng/L
Ni-Precon	60	75	112	37.351329	1.6633	ng/L
Cu-Precon	63	689	1787	1097.473999	12.8871	ng/L
Cu-Precon	65	315	836	521.568439	13.3470	ng/L
Zn-Precon	66	1040	802	-238.413301	7.0950	ng/L
Zn-Precon	68	753	554	-198.961413	5.7080	ng/L
Cd-Precon	111	7	10	3.377317	0.3071	ng/L
Cd-Precon	114	19	27	8.480162	0.5682	ng/L
Pb-Precon	208	901	1141	239.662146	2.2883	ng/L
Tb-Precon	159	10	12	2.167971		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 17:11:09

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.118

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	537	449.652599	8.5445	ng/L
Fe-Precon	54	428	1482	1053.649546	154.5475	ng/L
Fe-Precon	56	8268	28513	20245.001385	194.5584	ng/L
Fe-Precon	57	324	993	669.217457	241.4497	ng/L
Co-Precon	59	42	121	78.758379	1.0215	ng/L
Ni-Precon	60	75	100	25.725008	1.3024	ng/L
Cu-Precon	63	689	2513	1823.620007	22.3674	ng/L
Cu-Precon	65	315	1168	852.600794	22.5516	ng/L
Zn-Precon	66	1040	334	-706.506448	-11.4548	ng/L
Zn-Precon	68	753	243	-510.502296	-13.0646	ng/L
Cd-Precon	111	7	2	-4.930872	-0.0602	ng/L
Cd-Precon	114	19	6	-13.311555	0.1803	ng/L
Pb-Precon	208	901	709	-192.151971	0.8819	ng/L
Tb-Precon	159	10	11	1.433768		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130014-MSD1

Sample Description: 10x

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 17:24:09

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 211

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130014-MSD1.119

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	418543	418455.080645	71490.1304	ng/L
Fe-Precon	54	428	102316	101887.775023	152095.0497	ng/L
Fe-Precon	56	8268	2319503	2311235.287174	161898.9658	ng/L
Fe-Precon	57	324	113735	113410.658276	319608.1612	ng/L
Co-Precon	59	42	431925	431883.083334	22971.6923	ng/L
Ni-Precon	60	75	92728	92652.998289	28768.2665	ng/L
Cu-Precon	63	689	187658	186968.578311	24395.4224	ng/L
Cu-Precon	65	315	88868	88553.155303	24611.4258	ng/L
Zn-Precon	66	1040	277223	276182.974870	109612.4783	ng/L
Zn-Precon	68	753	182341	181587.985848	109597.2091	ng/L
Cd-Precon	111	7	55235	55228.372745	24418.7554	ng/L
Cd-Precon	114	19	137502	137482.708882	24472.7640	ng/L
Pb-Precon	208	901	594294	593392.846006	19342.7174	ng/L
Tb-Precon	159	10	1158	1147.834016		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 17:37:09

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.120

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	4872	4784.580105	82.5947	ng/L
Fe-Precon	54	428	8123	7695.024155	1146.1326	ng/L
Fe-Precon	56	8268	158320	150052.262303	1100.8525	ng/L
Fe-Precon	57	324	4389	4064.730711	1196.7642	ng/L
Co-Precon	59	42	1037	995.475119	5.8962	ng/L
Ni-Precon	60	75	660	585.555788	18.6818	ng/L
Cu-Precon	63	689	20537	19847.348889	257.6776	ng/L
Cu-Precon	65	315	9599	9284.199697	256.9997	ng/L
Zn-Precon	66	1040	978	-62.618483	14.0615	ng/L
Zn-Precon	68	753	636	-117.089315	10.6414	ng/L
Cd-Precon	111	7	22	15.338689	0.8360	ng/L
Cd-Precon	114	19	86	67.120864	1.6118	ng/L
Pb-Precon	208	901	1386	484.618334	3.0862	ng/L
Tb-Precon	159	10	69	58.691519		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245005-20RE2

Sample Description: 10x

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 17:50:10

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 212

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245005-20RE2.121

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	15319	15230.719548	2610.3818	ng/L
Fe-Precon	54	428	9247	8819.154729	13139.6996	ng/L
Fe-Precon	56	8268	348600	340332.228065	24293.5769	ng/L
Fe-Precon	57	324	69157	68832.620615	194189.5841	ng/L
Co-Precon	59	42	4335	4293.027285	234.3119	ng/L
Ni-Precon	60	75	13732	13656.991157	4244.7186	ng/L
Cu-Precon	63	689	14858	14168.846276	1835.4147	ng/L
Cu-Precon	65	315	6464	6149.021087	1698.2326	ng/L
Zn-Precon	66	1040	1122	81.289719	197.6436	ng/L
Zn-Precon	68	753	917	163.789622	275.6646	ng/L
Cd-Precon	111	7	-23	-29.658021	-11.5341	ng/L
Cd-Precon	114	19	-6	-25.353830	-0.3401	ng/L
Pb-Precon	208	901	19893	18991.630066	633.6614	ng/L
Tb-Precon	159	10	1216	1205.786839		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 18:03:11

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.122

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	912	824.432891	14.9465	ng/L
Fe-Precon	54	428	3027	2598.639956	385.2210	ng/L
Fe-Precon	56	8268	59135	50866.996014	408.3564	ng/L
Fe-Precon	57	324	1839	1514.825359	479.3582	ng/L
Co-Precon	59	42	161	119.303698	1.2371	ng/L
Ni-Precon	60	75	158	83.160442	3.0854	ng/L
Cu-Precon	63	689	5398	4708.382908	60.0296	ng/L
Cu-Precon	65	315	2553	2237.787103	61.0680	ng/L
Zn-Precon	66	1040	363	-677.202695	-10.2935	ng/L
Zn-Precon	68	753	269	-483.784635	-11.4547	ng/L
Cd-Precon	111	7	-6	-12.375407	-0.3893	ng/L
Cd-Precon	114	19	-3	-22.137205	0.0232	ng/L
Pb-Precon	208	901	717	-184.613645	0.9064	ng/L
Tb-Precon	159	10	70	60.620570		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245005-21RE2

Sample Description: 10x

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 18:16:11

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 213

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245005-21RE2.123

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	15061	14973.241984	2566.3989	ng/L
Fe-Precon	54	428	10068	9640.043958	14365.3217	ng/L
Fe-Precon	56	8268	371503	363235.611741	25892.6555	ng/L
Fe-Precon	57	324	71673	71348.438115	201267.7389	ng/L
Co-Precon	59	42	4519	4477.429765	244.1176	ng/L
Ni-Precon	60	75	13919	13844.455559	4302.9152	ng/L
Cu-Precon	63	689	15814	15124.880996	1960.2306	ng/L
Cu-Precon	65	315	6628	6313.241948	1743.8957	ng/L
Zn-Precon	66	1040	1185	144.991435	222.8876	ng/L
Zn-Precon	68	753	946	192.653148	293.0570	ng/L
Cd-Precon	111	7	-41	-48.069157	-19.6739	ng/L
Cd-Precon	114	19	-1	-19.819485	0.6449	ng/L
Pb-Precon	208	901	20530	19629.234000	654.4291	ng/L
Tb-Precon	159	10	1274	1263.861832		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 18:29:12

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.124

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	704	616.671253	11.3975	ng/L
Fe-Precon	54	428	2864	2435.599581	360.8784	ng/L
Fe-Precon	56	8268	56088	47820.378069	387.0854	ng/L
Fe-Precon	57	324	1769	1444.264819	459.5063	ng/L
Co-Precon	59	42	141	99.420399	1.1314	ng/L
Ni-Precon	60	75	129	54.293643	2.1892	ng/L
Cu-Precon	63	689	3679	2989.569937	37.5895	ng/L
Cu-Precon	65	315	1710	1394.855652	37.6295	ng/L
Zn-Precon	66	1040	353	-687.360771	-10.6961	ng/L
Zn-Precon	68	753	254	-499.079179	-12.3763	ng/L
Cd-Precon	111	7	-9	-15.368348	-0.5216	ng/L
Cd-Precon	114	19	-9	-27.413929	-0.0707	ng/L
Pb-Precon	208	901	745	-156.359605	0.9984	ng/L
Tb-Precon	159	10	80	70.189554		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245005-22RE2

Sample Description: 10x

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 18:42:13

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 214

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245005-22RE2.125

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	15268	15180.248678	2601.7602	ng/L
Fe-Precon	54	428	11096	10667.690059	15899.6404	ng/L
Fe-Precon	56	8268	389910	381642.638315	27177.8055	ng/L
Fe-Precon	57	324	71907	71582.646266	201926.6744	ng/L
Co-Precon	59	42	4676	4634.478181	252.4688	ng/L
Ni-Precon	60	75	14171	14095.926792	4380.9820	ng/L
Cu-Precon	63	689	16330	15641.073332	2027.6225	ng/L
Cu-Precon	65	315	6844	6528.685106	1803.8016	ng/L
Zn-Precon	66	1040	2043	1002.351333	562.6461	ng/L
Zn-Precon	68	753	1547	793.777292	655.2790	ng/L
Cd-Precon	111	7	-41	-47.334342	-19.3490	ng/L
Cd-Precon	114	19	-25	-43.669822	-3.5999	ng/L
Pb-Precon	208	901	20437	19536.129982	651.3966	ng/L
Tb-Precon	159	10	1269	1259.588846		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 18:55:13

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.126

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	509	420.981680	8.0547	ng/L
Fe-Precon	54	428	2528	2100.157441	310.7955	ng/L
Fe-Precon	56	8268	48559	40291.581588	334.5205	ng/L
Fe-Precon	57	324	1637	1312.699654	422.4910	ng/L
Co-Precon	59	42	108	66.155370	0.9545	ng/L
Ni-Precon	60	75	108	33.621364	1.5475	ng/L
Cu-Precon	63	689	2762	2072.711862	25.6194	ng/L
Cu-Precon	65	315	1248	932.634871	24.7771	ng/L
Zn-Precon	66	1040	358	-682.713354	-10.5119	ng/L
Zn-Precon	68	753	281	-472.525849	-10.7763	ng/L
Cd-Precon	111	7	-6	-12.316163	-0.3867	ng/L
Cd-Precon	114	19	-5	-23.929640	-0.0087	ng/L
Pb-Precon	208	901	731	-170.724023	0.9517	ng/L
Tb-Precon	159	10	80	69.819034		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245005-23RE2

Sample Description: 10x

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 19:08:14

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 215

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245005-23RE2.127

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	15090	15002.148401	2571.3367	ng/L
Fe-Precon	54	428	8756	8327.785553	12406.0649	ng/L
Fe-Precon	56	8268	349120	340852.525111	24329.9032	ng/L
Fe-Precon	57	324	72392	72067.559400	203290.9587	ng/L
Co-Precon	59	42	4585	4542.990817	247.6039	ng/L
Ni-Precon	60	75	14432	14357.776250	4462.2706	ng/L
Cu-Precon	63	689	15929	15239.650565	1975.2144	ng/L
Cu-Precon	65	315	6606	6290.995204	1737.7098	ng/L
Zn-Precon	66	1040	1042	1.610898	166.0681	ng/L
Zn-Precon	68	753	883	129.543748	255.0289	ng/L
Cd-Precon	111	7	-43	-49.261900	-20.2012	ng/L
Cd-Precon	114	19	5	-13.978680	1.6844	ng/L
Pb-Precon	208	901	20266	19365.080144	645.8252	ng/L
Tb-Precon	159	10	1240	1230.459490		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 19:21:14

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.128

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	463	375.595173	7.2794	ng/L
Fe-Precon	54	428	1861	1433.360212	211.2399	ng/L
Fe-Precon	56	8268	37240	28971.861943	255.4880	ng/L
Fe-Precon	57	324	1331	1006.324547	336.2935	ng/L
Co-Precon	59	42	106	63.962980	0.9429	ng/L
Ni-Precon	60	75	107	32.080155	1.4997	ng/L
Cu-Precon	63	689	2107	1417.323616	17.0629	ng/L
Cu-Precon	65	315	983	668.106397	17.4216	ng/L
Zn-Precon	66	1040	365	-675.590220	-10.2296	ng/L
Zn-Precon	68	753	261	-491.671277	-11.9299	ng/L
Cd-Precon	111	7	-4	-10.601826	-0.3109	ng/L
Cd-Precon	114	19	-12	-30.944442	-0.1335	ng/L
Pb-Precon	208	901	735	-166.227766	0.9663	ng/L
Tb-Precon	159	10	87	77.573297		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245005-24RE2

Sample Description: 10x

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 19:34:15

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 216

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245005-24RE2.129

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	17936	17847.922787	3057.4587	ng/L
Fe-Precon	54	428	804586	804158.452364	1200614.5986	ng/L
Fe-Precon	56	8268	16595568	16587299.884887	1158631.6122	ng/L
Fe-Precon	57	324	451491	451166.599790	1269871.3811	ng/L
Co-Precon	59	42	14621	14578.990602	781.2747	ng/L
Ni-Precon	60	75	16790	16715.281670	5194.1354	ng/L
Cu-Precon	63	689	14768	14078.166366	1823.5759	ng/L
Cu-Precon	65	315	2139	1824.269384	495.6975	ng/L
Zn-Precon	66	1040	23231	22190.814059	8959.3067	ng/L
Zn-Precon	68	753	15562	14809.261369	9100.6484	ng/L
Cd-Precon	111	7	378	371.530801	165.8367	ng/L
Cd-Precon	114	19	963	944.498059	172.2700	ng/L
Pb-Precon	208	901	144133	143231.324793	4680.3231	ng/L
Tb-Precon	159	10	1890	1880.506532		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 19:47:15

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.130

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	387	298.679881	5.9655	ng/L
Fe-Precon	54	428	11344	10916.490090	1627.1109	ng/L
Fe-Precon	56	8268	220330	212061.834561	1533.7937	ng/L
Fe-Precon	57	324	6081	5756.559812	1672.7537	ng/L
Co-Precon	59	42	114	71.765899	0.9844	ng/L
Ni-Precon	60	75	132	57.580361	2.2913	ng/L
Cu-Precon	63	689	1360	670.606666	7.3141	ng/L
Cu-Precon	65	315	500	184.943413	3.9868	ng/L
Zn-Precon	66	1040	449	-591.483932	-6.8966	ng/L
Zn-Precon	68	753	321	-431.741463	-8.3187	ng/L
Cd-Precon	111	7	1	-5.923571	-0.1041	ng/L
Cd-Precon	114	19	5	-13.817867	0.1713	ng/L
Pb-Precon	208	901	860	-41.059060	1.3740	ng/L
Tb-Precon	159	10	25	15.650279		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245005-25RE2

Sample Description: 10x

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 20:00:16

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 217

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245005-25RE2.131

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	15571	15483.602889	2653.5799	ng/L
Fe-Precon	54	428	11467	11039.431439	16454.6658	ng/L
Fe-Precon	56	8268	405220	396952.762004	28246.7346	ng/L
Fe-Precon	57	324	74503	74178.303406	209229.4549	ng/L
Co-Precon	59	42	4700	4658.028068	253.7211	ng/L
Ni-Precon	60	75	14813	14738.906588	4580.5888	ng/L
Cu-Precon	63	689	17735	17045.193221	2210.9385	ng/L
Cu-Precon	65	315	6723	6408.357530	1770.3434	ng/L
Zn-Precon	66	1040	1113	72.206475	194.0441	ng/L
Zn-Precon	68	753	887	133.812532	257.6012	ng/L
Cd-Precon	111	7	-39	-45.213496	-18.4114	ng/L
Cd-Precon	114	19	4	-14.914991	1.5178	ng/L
Pb-Precon	208	901	20321	19419.729988	647.6053	ng/L
Tb-Precon	159	10	1250	1240.409643		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 20:13:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.132

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	438	349.964030	6.8416	ng/L
Fe-Precon	54	428	4093	3665.289403	544.4763	ng/L
Fe-Precon	56	8268	79899	71631.404086	553.3303	ng/L
Fe-Precon	57	324	2507	2182.833781	667.2998	ng/L
Co-Precon	59	42	96	54.130621	0.8906	ng/L
Ni-Precon	60	75	109	34.868076	1.5862	ng/L
Cu-Precon	63	689	2216	1526.993104	18.4947	ng/L
Cu-Precon	65	315	1021	706.438908	18.4875	ng/L
Zn-Precon	66	1040	362	-678.364774	-10.3396	ng/L
Zn-Precon	68	753	271	-481.755867	-11.3324	ng/L
Cd-Precon	111	7	-6	-12.181225	-0.3807	ng/L
Cd-Precon	114	19	-9	-28.247798	-0.0855	ng/L
Pb-Precon	208	901	738	-163.093827	0.9765	ng/L
Tb-Precon	159	10	78	67.834527		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245020-04RE2

Sample Description: 10x

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 20:26:16

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 218

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245020-04RE2.133

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	20905	20817.141666	3564.6678	ng/L
Fe-Precon	54	428	12249	11821.343947	17622.0939	ng/L
Fe-Precon	56	8268	356185	347917.317017	24823.1560	ng/L
Fe-Precon	57	324	51472	51148.150060	144435.0132	ng/L
Co-Precon	59	42	4218	4176.242789	228.1018	ng/L
Ni-Precon	60	75	14154	14079.410339	4375.8546	ng/L
Cu-Precon	63	689	11325	10635.745969	1374.1480	ng/L
Cu-Precon	65	315	5516	5201.306898	1434.7124	ng/L
Zn-Precon	66	1040	4903	3862.956245	1696.2597	ng/L
Zn-Precon	68	753	3383	2630.229429	1761.8777	ng/L
Cd-Precon	111	7	-36	-42.561610	-17.2389	ng/L
Cd-Precon	114	19	-16	-34.603378	-1.9863	ng/L
Pb-Precon	208	901	9971	9069.485746	310.4832	ng/L
Tb-Precon	159	10	614	604.456534		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 20:39:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.134

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	549	460.986656	8.7381	ng/L
Fe-Precon	54	428	2636	2207.679505	326.8490	ng/L
Fe-Precon	56	8268	51174	42906.219451	352.7755	ng/L
Fe-Precon	57	324	1698	1373.696129	439.6521	ng/L
Co-Precon	59	42	78	36.104348	0.7947	ng/L
Ni-Precon	60	75	128	53.178573	2.1546	ng/L
Cu-Precon	63	689	1768	1078.513741	12.6396	ng/L
Cu-Precon	65	315	767	452.443835	11.4249	ng/L
Zn-Precon	66	1040	373	-667.390655	-9.9047	ng/L
Zn-Precon	68	753	278	-475.427358	-10.9511	ng/L
Cd-Precon	111	7	-4	-10.749062	-0.3174	ng/L
Cd-Precon	114	19	3	-15.685810	0.1381	ng/L
Pb-Precon	208	901	697	-204.590805	0.8414	ng/L
Tb-Precon	159	10	46	36.093760		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130014-DUP2

Sample Description: 10x

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 20:52:16

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 219

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130014-DUP2.135

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	20335	20247.456571	3467.3528	ng/L
Fe-Precon	54	428	11563	11134.915607	16597.2277	ng/L
Fe-Precon	56	8268	337922	329654.806916	23548.0959	ng/L
Fe-Precon	57	324	49147	48823.059938	137893.4625	ng/L
Co-Precon	59	42	4069	4026.666589	220.1480	ng/L
Ni-Precon	60	75	13683	13608.481887	4229.6594	ng/L
Cu-Precon	63	689	10749	10059.731434	1298.9459	ng/L
Cu-Precon	65	315	5321	5005.785869	1380.3460	ng/L
Zn-Precon	66	1040	4592	3551.644982	1572.8918	ng/L
Zn-Precon	68	753	3194	2440.833335	1647.7525	ng/L
Cd-Precon	111	7	-48	-54.189060	-22.3796	ng/L
Cd-Precon	114	19	-30	-48.784492	-4.5102	ng/L
Pb-Precon	208	901	9790	8888.594461	304.5914	ng/L
Tb-Precon	159	10	639	629.046669		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 21:05:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.136

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	481	392.832833	7.5739	ng/L
Fe-Precon	54	428	2105	1676.822616	247.5899	ng/L
Fe-Precon	56	8268	40023	31755.384717	274.9221	ng/L
Fe-Precon	57	324	1396	1071.726622	354.6941	ng/L
Co-Precon	59	42	81	39.224708	0.8113	ng/L
Ni-Precon	60	75	118	43.699528	1.8604	ng/L
Cu-Precon	63	689	1515	825.208345	9.3325	ng/L
Cu-Precon	65	315	721	405.745835	10.1265	ng/L
Zn-Precon	66	1040	361	-679.472828	-10.3835	ng/L
Zn-Precon	68	753	286	-467.073751	-10.4477	ng/L
Cd-Precon	111	7	-4	-10.867345	-0.3227	ng/L
Cd-Precon	114	19	-4	-22.785147	0.0117	ng/L
Pb-Precon	208	901	696	-205.716152	0.8377	ng/L
Tb-Precon	159	10	38	28.291101		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130014-MS2

Sample Description: 10x

Batch ID: B130014

Sample Date/Time: Sunday, January 06, 2013 21:18:16

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 220

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130014-MS2.137

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	527703	527614.948674	90137.0799	ng/L
Fe-Precon	54	428	124884	124456.425840	185790.9910	ng/L
Fe-Precon	56	8268	2714055	2705787.153107	189445.9640	ng/L
Fe-Precon	57	324	106577	106252.859414	299469.9722	ng/L
Co-Precon	59	42	635186	635143.631681	33780.2047	ng/L
Ni-Precon	60	75	113794	113719.189515	35308.0623	ng/L
Cu-Precon	63	689	245974	245284.791545	32008.9424	ng/L
Cu-Precon	65	315	116110	115794.982284	32186.2550	ng/L
Zn-Precon	66	1040	395858	394817.447047	156625.4879	ng/L
Zn-Precon	68	753	259875	259121.771215	156317.0697	ng/L
Cd-Precon	111	7	61858	61851.422378	27346.8913	ng/L
Cd-Precon	114	19	152116	152097.093848	27073.7705	ng/L
Pb-Precon	208	901	735813	734911.490194	23952.1788	ng/L
Tb-Precon	159	10	601	591.465142		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 21:31:15

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.138

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	5311	5223.482261	90.0922	ng/L
Fe-Precon	54	428	7708	7280.167524	1084.1927	ng/L
Fe-Precon	56	8268	148636	140368.294805	1033.2406	ng/L
Fe-Precon	57	324	4171	3846.387457	1135.3342	ng/L
Co-Precon	59	42	1153	1111.244247	6.5119	ng/L
Ni-Precon	60	75	738	663.646863	21.1060	ng/L
Cu-Precon	63	689	18106	17416.284234	225.9387	ng/L
Cu-Precon	65	315	8365	8050.213506	222.6876	ng/L
Zn-Precon	66	1040	1067	26.877367	17.6081	ng/L
Zn-Precon	68	753	741	-11.975744	16.9753	ng/L
Cd-Precon	111	7	26	19.617975	1.0251	ng/L
Cd-Precon	114	19	72	52.830871	1.3575	ng/L
Pb-Precon	208	901	1348	447.013825	2.9637	ng/L
Tb-Precon	159	10	44	34.105860		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV6

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 21:44:17

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CCV6.139

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	82325	82237.342774	1405.6613	ng/L
Fe-Precon	54	428	19773	19344.872620	2885.5038	ng/L
Fe-Precon	56	8268	383224	374956.751749	2671.1007	ng/L
Fe-Precon	57	324	10130	9805.890234	2812.0171	ng/L
Co-Precon	59	42	107383	107340.957791	571.3953	ng/L
Ni-Precon	60	75	18036	17961.051131	558.0873	ng/L
Cu-Precon	63	689	46602	45912.998692	597.9798	ng/L
Cu-Precon	65	315	21666	21351.278740	592.5354	ng/L
Zn-Precon	66	1040	70535	69494.854782	2770.5168	ng/L
Zn-Precon	68	753	46533	45780.352468	2776.3030	ng/L
Cd-Precon	111	7	12246	12239.262851	541.2714	ng/L
Cd-Precon	114	19	30461	30442.473298	542.2195	ng/L
Pb-Precon	208	901	162188	161286.393098	526.8402	ng/L
Tb-Precon	159	10	16	5.662356		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 21:57:18

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.140

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	2202	2113.966026	36.9747	ng/L
Fe-Precon	54	428	2216	1787.974397	264.1853	ng/L
Fe-Precon	56	8268	43487	35219.159297	299.1057	ng/L
Fe-Precon	57	324	1425	1100.527700	362.7972	ng/L
Co-Precon	59	42	400	357.721827	2.5049	ng/L
Ni-Precon	60	75	229	154.287281	5.2935	ng/L
Cu-Precon	63	689	4796	4106.826108	52.1760	ng/L
Cu-Precon	65	315	2213	1897.650810	51.6102	ng/L
Zn-Precon	66	1040	542	-498.090809	-3.1956	ng/L
Zn-Precon	68	753	384	-368.692516	-4.5195	ng/L
Cd-Precon	111	7	11	4.195302	0.3433	ng/L
Cd-Precon	114	19	30	11.552035	0.6228	ng/L
Pb-Precon	208	901	883	-17.857195	1.4496	ng/L
Tb-Precon	159	10	11	1.267533		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB6

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 22:10:20

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CCB6.141

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	770	682.084719	12.5149	ng/L
Fe-Precon	54	428	901	472.870528	67.8348	ng/L
Fe-Precon	56	8268	17528	9259.990793	117.8628	ng/L
Fe-Precon	57	324	719	394.849488	164.2574	ng/L
Co-Precon	59	42	129	86.758422	1.0641	ng/L
Ni-Precon	60	75	125	50.141255	2.0603	ng/L
Cu-Precon	63	689	1736	1046.190318	12.2176	ng/L
Cu-Precon	65	315	818	502.696772	12.8223	ng/L
Zn-Precon	66	1040	800	-239.881869	7.0368	ng/L
Zn-Precon	68	753	587	-166.007851	7.6937	ng/L
Cd-Precon	111	7	7	-0.002013	0.1577	ng/L
Cd-Precon	114	19	28	8.721853	0.5725	ng/L
Pb-Precon	208	901	1168	266.793023	2.3767	ng/L
Tb-Precon	159	10	19	8.848515		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 22:23:21

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.142

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	557	469.508604	8.8836	ng/L
Fe-Precon	54	428	1224	796.110814	116.0959	ng/L
Fe-Precon	56	8268	23803	15535.599878	161.6781	ng/L
Fe-Precon	57	324	884	559.615736	210.6137	ng/L
Co-Precon	59	42	114	72.448316	0.9880	ng/L
Ni-Precon	60	75	99	24.173544	1.2542	ng/L
Cu-Precon	63	689	2249	1559.233165	18.9157	ng/L
Cu-Precon	65	315	1047	732.128725	19.2018	ng/L
Zn-Precon	66	1040	338	-702.768335	-11.3066	ng/L
Zn-Precon	68	753	279	-474.233492	-10.8792	ng/L
Cd-Precon	111	7	1	-5.373476	-0.0798	ng/L
Cd-Precon	114	19	7	-12.322302	0.1979	ng/L
Pb-Precon	208	901	691	-209.935984	0.8239	ng/L
Tb-Precon	159	10	11	1.499574		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-SCV3

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 22:36:23

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 301

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-SCV3.143

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	44485	44396.995833	759.2635	ng/L
Fe-Precon	54	428	5268	4839.818993	719.8385	ng/L
Fe-Precon	56	8268	1685226	1676958.561807	11761.4750	ng/L
Fe-Precon	57	324	565029	564704.585648	158930.6094	ng/L
Co-Precon	59	42	20420	20378.488203	108.9667	ng/L
Ni-Precon	60	75	103447	103372.870788	3209.6147	ng/L
Cu-Precon	63	689	21661	20971.832001	272.3584	ng/L
Cu-Precon	65	315	11581	11265.930291	312.1034	ng/L
Zn-Precon	66	1040	7622	6581.655071	277.3638	ng/L
Zn-Precon	68	753	4899	4145.502805	267.4942	ng/L
Cd-Precon	111	7	197	190.490594	8.5796	ng/L
Cd-Precon	114	19	543	523.982508	9.7428	ng/L
Pb-Precon	208	901	1571	669.933016	3.6898	ng/L
Tb-Precon	159	10	1217	1207.544221		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 22:49:24

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.144

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	2079	1991.057832	34.8751	ng/L
Fe-Precon	54	428	1930	1502.002216	221.4884	ng/L
Fe-Precon	56	8268	37976	29708.673470	260.6323	ng/L
Fe-Precon	57	324	1722	1397.625727	446.3846	ng/L
Co-Precon	59	42	198	156.399764	1.4344	ng/L
Ni-Precon	60	75	177	102.859807	3.6969	ng/L
Cu-Precon	63	689	5374	4684.500777	59.7178	ng/L
Cu-Precon	65	315	2472	2157.140563	58.8255	ng/L
Zn-Precon	66	1040	536	-504.570266	-3.4524	ng/L
Zn-Precon	68	753	388	-365.146567	-4.3059	ng/L
Cd-Precon	111	7	-12	-18.556476	-0.6626	ng/L
Cd-Precon	114	19	-23	-41.407773	-0.3197	ng/L
Pb-Precon	208	901	709	-191.979016	0.8824	ng/L
Tb-Precon	159	10	142	132.286752		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-SCV4

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 23:02:25

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 302

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-SCV4.145

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	140628	140540.015990	2401.6015	ng/L
Fe-Precon	54	428	4135	3706.631260	550.6488	ng/L
Fe-Precon	56	8268	1444491	1436223.257866	10080.6986	ng/L
Fe-Precon	57	324	495314	494989.545852	139316.5537	ng/L
Co-Precon	59	42	17193	17151.290062	91.8058	ng/L
Ni-Precon	60	75	122516	122441.047462	3801.5679	ng/L
Cu-Precon	63	689	90383	89693.634253	1169.5614	ng/L
Cu-Precon	65	315	45464	45149.338729	1254.2613	ng/L
Zn-Precon	66	1040	4104	3063.315950	137.9375	ng/L
Zn-Precon	68	753	2310	1557.325724	111.5374	ng/L
Cd-Precon	111	7	789	782.777225	34.7654	ng/L
Cd-Precon	114	19	2029	2010.400712	36.1975	ng/L
Pb-Precon	208	901	1677	775.918926	4.0350	ng/L
Tb-Precon	159	10	912	902.282892		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 23:15:26

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.146

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	4310	4222.355706	72.9907	ng/L
Fe-Precon	54	428	1133	704.774446	102.4590	ng/L
Fe-Precon	56	8268	21832	13563.857172	147.9117	ng/L
Fe-Precon	57	324	1319	994.315914	332.9149	ng/L
Co-Precon	59	42	149	107.074443	1.1721	ng/L
Ni-Precon	60	75	503	428.171370	13.7959	ng/L
Cu-Precon	63	689	16177	15487.769404	200.7608	ng/L
Cu-Precon	65	315	7478	7162.636141	198.0077	ng/L
Zn-Precon	66	1040	438	-602.043352	-7.3151	ng/L
Zn-Precon	68	753	316	-436.882026	-8.6285	ng/L
Cd-Precon	111	7	-9	-15.894746	-0.5449	ng/L
Cd-Precon	114	19	-11	-29.829259	-0.1137	ng/L
Pb-Precon	208	901	689	-212.290297	0.8163	ng/L
Tb-Precon	159	10	96	86.266154		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-SCV5

Sample Description: 5x

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 23:28:27

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 303

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-SCV5.147

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	16360	16271.733311	1394.1051	ng/L
Fe-Precon	54	428	2329	1901.493458	1405.6707	ng/L
Fe-Precon	56	8268	728010	719742.243167	25391.6973	ng/L
Fe-Precon	57	324	254533	254208.363600	357868.5176	ng/L
Co-Precon	59	42	9319	9277.307859	249.6771	ng/L
Ni-Precon	60	75	47077	47002.917879	7298.3199	ng/L
Cu-Precon	63	689	7562	6872.504525	441.4175	ng/L
Cu-Precon	65	315	5527	5211.795192	718.8144	ng/L
Zn-Precon	66	1040	3659	2618.311357	601.5131	ng/L
Zn-Precon	68	753	2446	1692.692606	598.4711	ng/L
Cd-Precon	111	7	34	27.322208	6.8288	ng/L
Cd-Precon	114	19	118	98.930508	10.8898	ng/L
Pb-Precon	208	901	904	2.865544	7.5853	ng/L
Tb-Precon	159	10	451	441.301984		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 23:41:28

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.148

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	945	857.262244	15.5073	ng/L
Fe-Precon	54	428	2367	1938.583619	286.6719	ng/L
Fe-Precon	56	8268	45544	37276.057224	313.4666	ng/L
Fe-Precon	57	324	1844	1519.767744	480.7488	ng/L
Co-Precon	59	42	117	75.180664	1.0025	ng/L
Ni-Precon	60	75	184	109.668561	3.9083	ng/L
Cu-Precon	63	689	6117	5428.021695	69.4249	ng/L
Cu-Precon	65	315	2799	2483.810461	67.9089	ng/L
Zn-Precon	66	1040	370	-670.239298	-10.0176	ng/L
Zn-Precon	68	753	286	-467.042975	-10.4459	ng/L
Cd-Precon	111	7	-6	-13.000438	-0.4170	ng/L
Cd-Precon	114	19	-3	-22.155893	0.0229	ng/L
Pb-Precon	208	901	698	-202.945817	0.8467	ng/L
Tb-Precon	159	10	44	33.853056		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-SCV6

Sample Description: 5x

Batch ID:

Sample Date/Time: Sunday, January 06, 2013 23:54:30

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 304

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-SCV6.149

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	36443	36355.221784	3109.4599	ng/L
Fe-Precon	54	428	1548	1120.392193	822.5623	ng/L
Fe-Precon	56	8268	397589	389321.229260	13856.9564	ng/L
Fe-Precon	57	324	139554	139230.078270	196125.0481	ng/L
Co-Precon	59	42	5048	5005.819055	136.1075	ng/L
Ni-Precon	60	75	33440	33365.829442	5181.5686	ng/L
Cu-Precon	63	689	26613	25923.196799	1685.0067	ng/L
Cu-Precon	65	315	13567	13251.886561	1836.6234	ng/L
Zn-Precon	66	1040	1211	171.131891	116.6233	ng/L
Zn-Precon	68	753	795	41.804196	101.0797	ng/L
Cd-Precon	111	7	188	180.863989	40.7702	ng/L
Cd-Precon	114	19	477	457.927947	42.8362	ng/L
Pb-Precon	208	901	925	23.435868	7.9203	ng/L
Tb-Precon	159	10	304	294.434261		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 00:07:30

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.150

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	723	634.707461	11.7056	ng/L
Fe-Precon	54	428	891	462.870681	66.3417	ng/L
Fe-Precon	56	8268	16582	8314.015874	111.2581	ng/L
Fe-Precon	57	324	1043	718.383943	255.2825	ng/L
Co-Precon	59	42	90	47.592027	0.8558	ng/L
Ni-Precon	60	75	155	80.251170	2.9951	ng/L
Cu-Precon	63	689	3137	2447.347264	30.5105	ng/L
Cu-Precon	65	315	1416	1100.663629	29.4493	ng/L
Zn-Precon	66	1040	341	-698.858790	-11.1517	ng/L
Zn-Precon	68	753	273	-479.657078	-11.2060	ng/L
Cd-Precon	111	7	-2	-8.681272	-0.2260	ng/L
Cd-Precon	114	19	3	-15.793273	0.1361	ng/L
Pb-Precon	208	901	688	-213.235903	0.8132	ng/L
Tb-Precon	159	10	29	19.009621		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130014-MSD2

Sample Description: 10x

Batch ID: B130014

Sample Date/Time: Monday, January 07, 2013 00:20:30

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 221

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130014-MSD2.151

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	522823	522735.427715	89303.5484	ng/L
Fe-Precon	54	428	122467	122038.896578	182181.5185	ng/L
Fe-Precon	56	8268	2684736	2676468.585866	187398.9872	ng/L
Fe-Precon	57	324	103806	103482.054386	291674.4199	ng/L
Co-Precon	59	42	628308	628265.617385	33414.4618	ng/L
Ni-Precon	60	75	114086	114011.194425	35398.7124	ng/L
Cu-Precon	63	689	243860	243170.804938	31732.9492	ng/L
Cu-Precon	65	315	114187	113872.394819	31651.6627	ng/L
Zn-Precon	66	1040	388397	387356.664374	153668.8949	ng/L
Zn-Precon	68	753	255580	254826.938517	153729.1142	ng/L
Cd-Precon	111	7	61316	61309.710812	27107.3936	ng/L
Cd-Precon	114	19	150946	150927.486698	26865.6088	ng/L
Pb-Precon	208	901	751186	750284.297117	24452.8928	ng/L
Tb-Precon	159	10	603	592.823753		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 00:33:30

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.152

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	5671	5582.980196	96.2332	ng/L
Fe-Precon	54	428	7403	6974.710320	1038.5867	ng/L
Fe-Precon	56	8268	146190	137922.328153	1016.1632	ng/L
Fe-Precon	57	324	4224	3900.244345	1150.4866	ng/L
Co-Precon	59	42	1669	1627.033293	9.2546	ng/L
Ni-Precon	60	75	860	785.511560	24.8892	ng/L
Cu-Precon	63	689	19706	19016.532785	246.8308	ng/L
Cu-Precon	65	315	9252	8937.490060	247.3591	ng/L
Zn-Precon	66	1040	1271	230.796281	25.6891	ng/L
Zn-Precon	68	753	833	80.001594	22.5176	ng/L
Cd-Precon	111	7	37	30.623979	1.5117	ng/L
Cd-Precon	114	19	106	87.116057	1.9677	ng/L
Pb-Precon	208	901	1491	589.452688	3.4277	ng/L
Tb-Precon	159	10	45	35.034004		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245020-08RE2

Sample Description: 10x

Batch ID: B130014

Sample Date/Time: Monday, January 07, 2013 00:46:29

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 222

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245020-08RE2.153

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	19028	18939.775845	3243.9717	ng/L
Fe-Precon	54	428	12190	11761.561588	17532.8364	ng/L
Fe-Precon	56	8268	358397	350129.554769	24977.6110	ng/L
Fe-Precon	57	324	52084	51759.445950	146154.8704	ng/L
Co-Precon	59	42	4331	4288.606404	234.0768	ng/L
Ni-Precon	60	75	14108	14033.585268	4361.6286	ng/L
Cu-Precon	63	689	11350	10661.088184	1377.4566	ng/L
Cu-Precon	65	315	5664	5349.440306	1475.9022	ng/L
Zn-Precon	66	1040	5440	4400.024907	1909.0917	ng/L
Zn-Precon	68	753	3765	3011.895480	1991.8598	ng/L
Cd-Precon	111	7	-24	-31.136957	-12.1880	ng/L
Cd-Precon	114	19	-15	-34.124672	-1.9011	ng/L
Pb-Precon	208	901	10495	9593.496946	327.5510	ng/L
Tb-Precon	159	10	594	584.179885		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 00:59:29

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.154

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	899	811.661270	14.7284	ng/L
Fe-Precon	54	428	2117	1689.110524	249.4245	ng/L
Fe-Precon	56	8268	40886	32617.890452	280.9440	ng/L
Fe-Precon	57	324	1571	1246.862275	403.9679	ng/L
Co-Precon	59	42	135	93.176062	1.0982	ng/L
Ni-Precon	60	75	180	105.284190	3.7722	ng/L
Cu-Precon	63	689	3643	2953.955288	37.1246	ng/L
Cu-Precon	65	315	1662	1346.641761	36.2889	ng/L
Zn-Precon	66	1040	391	-648.915811	-9.1726	ng/L
Zn-Precon	68	753	304	-449.104262	-9.3649	ng/L
Cd-Precon	111	7	-5	-11.993943	-0.3725	ng/L
Cd-Precon	114	19	-0	-19.251339	0.0746	ng/L
Pb-Precon	208	901	740	-160.808549	0.9840	ng/L
Tb-Precon	159	10	42	32.599361		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245020-12RE2

Sample Description: 10x

Batch ID: B130014

Sample Date/Time: Monday, January 07, 2013 01:12:28

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 223

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245020-12RE2.155

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	21452	21364.491570	3658.1674	ng/L
Fe-Precon	54	428	12853	12424.536258	18522.6853	ng/L
Fe-Precon	56	8268	360963	352695.406462	25156.7548	ng/L
Fe-Precon	57	324	48589	48264.951788	136323.2469	ng/L
Co-Precon	59	42	4235	4192.858506	228.9854	ng/L
Ni-Precon	60	75	13170	13095.560239	4070.4278	ng/L
Cu-Precon	63	689	12209	11519.556463	1489.5346	ng/L
Cu-Precon	65	315	6042	5727.050542	1580.9000	ng/L
Zn-Precon	66	1040	4672	3631.431652	1604.5101	ng/L
Zn-Precon	68	753	3253	2500.047931	1683.4337	ng/L
Cd-Precon	111	7	-20	-26.486906	-10.1321	ng/L
Cd-Precon	114	19	8	-10.679285	2.2716	ng/L
Pb-Precon	208	901	11560	10658.427488	362.2373	ng/L
Tb-Precon	159	10	603	593.004602		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 01:25:29

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.156

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	712	624.519813	11.5316	ng/L
Fe-Precon	54	428	2063	1634.950079	241.3381	ng/L
Fe-Precon	56	8268	40089	31820.985113	275.3801	ng/L
Fe-Precon	57	324	1515	1190.343368	388.0665	ng/L
Co-Precon	59	42	105	63.152608	0.9386	ng/L
Ni-Precon	60	75	130	55.104158	2.2144	ng/L
Cu-Precon	63	689	2670	1981.103317	24.4234	ng/L
Cu-Precon	65	315	1274	958.647096	25.5004	ng/L
Zn-Precon	66	1040	383	-657.712673	-9.5212	ng/L
Zn-Precon	68	753	288	-465.528041	-10.3546	ng/L
Cd-Precon	111	7	-4	-10.764761	-0.3181	ng/L
Cd-Precon	114	19	3	-16.187306	0.1291	ng/L
Pb-Precon	208	901	690	-211.135061	0.8200	ng/L
Tb-Precon	159	10	36	26.604486		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245020-16RE2

Sample Description: 10x

Batch ID: B130014

Sample Date/Time: Monday, January 07, 2013 01:38:28

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 224

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245020-16RE2.157

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	18364	18276.593122	3130.6852	ng/L
Fe-Precon	54	428	24814	24386.309212	36382.1136	ng/L
Fe-Precon	56	8268	604636	596368.560051	42169.6357	ng/L
Fe-Precon	57	324	59200	58875.521556	166175.6727	ng/L
Co-Precon	59	42	4334	4291.967254	234.2555	ng/L
Ni-Precon	60	75	14070	13995.707330	4349.8698	ng/L
Cu-Precon	63	689	10344	9654.196451	1246.0010	ng/L
Cu-Precon	65	315	5161	4846.164899	1335.9620	ng/L
Zn-Precon	66	1040	6398	5357.255035	2288.4272	ng/L
Zn-Precon	68	753	4386	3632.899592	2366.0609	ng/L
Cd-Precon	111	7	-30	-36.460076	-14.5414	ng/L
Cd-Precon	114	19	-21	-40.353687	-3.0097	ng/L
Pb-Precon	208	901	12479	11577.811957	392.1830	ng/L
Tb-Precon	159	10	625	615.369880		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 01:51:29

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.158

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	546	457.987376	8.6868	ng/L
Fe-Precon	54	428	2742	2314.296000	342.7673	ng/L
Fe-Precon	56	8268	54089	45821.486614	373.1295	ng/L
Fe-Precon	57	324	1881	1556.876925	491.1893	ng/L
Co-Precon	59	42	96	54.421518	0.8921	ng/L
Ni-Precon	60	75	137	62.473983	2.4432	ng/L
Cu-Precon	63	689	2103	1413.179572	17.0088	ng/L
Cu-Precon	65	315	985	669.703666	17.4660	ng/L
Zn-Precon	66	1040	407	-633.425891	-8.5587	ng/L
Zn-Precon	68	753	297	-456.146268	-9.7893	ng/L
Cd-Precon	111	7	-5	-11.786672	-0.3633	ng/L
Cd-Precon	114	19	4	-15.122076	0.1481	ng/L
Pb-Precon	208	901	690	-211.524686	0.8188	ng/L
Tb-Precon	159	10	43	33.385495		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV7

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 02:04:31

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CCV7.159

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	79920	79832.104846	1364.5745	ng/L
Fe-Precon	54	428	18055	17627.347724	2629.0701	ng/L
Fe-Precon	56	8268	350947	342678.862366	2445.7415	ng/L
Fe-Precon	57	324	9564	9240.179721	2652.8567	ng/L
Co-Precon	59	42	107480	107438.435341	571.9136	ng/L
Ni-Precon	60	75	17758	17683.722520	549.4779	ng/L
Cu-Precon	63	689	42434	41744.143733	543.5530	ng/L
Cu-Precon	65	315	20009	19694.249989	546.4602	ng/L
Zn-Precon	66	1040	68930	67889.397427	2706.8950	ng/L
Zn-Precon	68	753	45468	44715.080271	2712.1124	ng/L
Cd-Precon	111	7	12019	12012.623124	531.2514	ng/L
Cd-Precon	114	19	29779	29760.583958	530.0835	ng/L
Pb-Precon	208	901	161155	160254.063497	523.4778	ng/L
Tb-Precon	159	10	15	4.754995		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 02:17:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.160

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	2080	1992.597847	34.9014	ng/L
Fe-Precon	54	428	2452	2024.367422	299.4797	ng/L
Fe-Precon	56	8268	47197	38928.851773	325.0062	ng/L
Fe-Precon	57	324	1654	1329.712122	427.2773	ng/L
Co-Precon	59	42	475	433.342769	2.9071	ng/L
Ni-Precon	60	75	220	145.441709	5.0189	ng/L
Cu-Precon	63	689	4467	3777.410699	47.8753	ng/L
Cu-Precon	65	315	2107	1792.150382	48.6766	ng/L
Zn-Precon	66	1040	636	-404.120290	0.5283	ng/L
Zn-Precon	68	753	452	-300.668981	-0.4206	ng/L
Cd-Precon	111	7	11	3.888094	0.3297	ng/L
Cd-Precon	114	19	36	16.952626	0.7189	ng/L
Pb-Precon	208	901	869	-32.579111	1.4016	ng/L
Tb-Precon	159	10	11	0.966236		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB7

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 02:30:34

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CCB7.161

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	666	578.274782	10.7416	ng/L
Fe-Precon	54	428	648	219.733759	30.0404	ng/L
Fe-Precon	56	8268	12404	4136.203571	82.0893	ng/L
Fe-Precon	57	324	738	413.710536	169.5639	ng/L
Co-Precon	59	42	113	70.681895	0.9786	ng/L
Ni-Precon	60	75	104	29.174497	1.4095	ng/L
Cu-Precon	63	689	1306	616.876945	6.6126	ng/L
Cu-Precon	65	315	611	295.717707	7.0670	ng/L
Zn-Precon	66	1040	822	-218.557369	7.8819	ng/L
Zn-Precon	68	753	562	-190.879401	6.1950	ng/L
Cd-Precon	111	7	12	5.482258	0.4002	ng/L
Cd-Precon	114	19	28	9.117099	0.5795	ng/L
Pb-Precon	208	901	1168	267.198854	2.3780	ng/L
Tb-Precon	159	10	12	2.604332		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 02:43:36

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.162

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	505	417.339162	7.9925	ng/L
Fe-Precon	54	428	1497	1068.741169	156.8007	ng/L
Fe-Precon	56	8268	29961	21693.253728	204.6699	ng/L
Fe-Precon	57	324	1186	861.290586	295.4888	ng/L
Co-Precon	59	42	102	60.278165	0.9233	ng/L
Ni-Precon	60	75	99	24.388259	1.2609	ng/L
Cu-Precon	63	689	2443	1753.464204	21.4515	ng/L
Cu-Precon	65	315	1117	801.756824	21.1379	ng/L
Zn-Precon	66	1040	387	-652.928903	-9.3316	ng/L
Zn-Precon	68	753	293	-460.479077	-10.0504	ng/L
Cd-Precon	111	7	1	-6.045927	-0.1095	ng/L
Cd-Precon	114	19	7	-11.891398	0.2056	ng/L
Pb-Precon	208	901	692	-209.487180	0.8254	ng/L
Tb-Precon	159	10	9	-0.626843		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-01RE3

Sample Description: 50x

Batch ID: B130014

Sample Date/Time: Monday, January 07, 2013 02:56:37

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 225

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245032-01RE2.163

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	1572	1483.805291	1310.5053	ng/L
Fe-Precon	54	428	11535725	11535297.035957	86113270.8869	ng/L
Fe-Precon	56	8268	228701875	228693607.057745	79837821.9149	ng/L
Fe-Precon	57	324	5787084	5786759.632025	81406775.4718	ng/L
Co-Precon	59	42	1199	1156.660415	337.6677	ng/L
Ni-Precon	60	75	1693	1618.481678	2537.3979	ng/L
Cu-Precon	63	689	926	236.513394	82.3391	ng/L
Cu-Precon	65	315	502	186.996367	202.1966	ng/L
Zn-Precon	66	1040	2189	1148.232917	3102.2837	ng/L
Zn-Precon	68	753	1640	887.370857	3558.3801	ng/L
Cd-Precon	111	7	-2	-8.467108	-10.8266	ng/L
Cd-Precon	114	19	2	-16.516753	6.1635	ng/L
Pb-Precon	208	901	761	-139.870258	52.6078	ng/L
Tb-Precon	159	10	89	78.722882		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 03:09:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.164

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	324	236.656383	4.9060	ng/L
Fe-Precon	54	428	122875	122447.477899	18279.1548	ng/L
Fe-Precon	56	8268	2720211	2711942.905260	18987.5749	ng/L
Fe-Precon	57	324	62396	62071.478518	17516.7373	ng/L
Co-Precon	59	42	89	47.211041	0.8538	ng/L
Ni-Precon	60	75	75	0.737620	0.5267	ng/L
Cu-Precon	63	689	899	209.891314	1.2992	ng/L
Cu-Precon	65	315	432	116.702512	2.0893	ng/L
Zn-Precon	66	1040	369	-671.562857	-10.0700	ng/L
Zn-Precon	68	753	275	-478.135552	-11.1143	ng/L
Cd-Precon	111	7	1	-5.988533	-0.1070	ng/L
Cd-Precon	114	19	8	-11.280089	0.2165	ng/L
Pb-Precon	208	901	695	-206.193232	0.8361	ng/L
Tb-Precon	159	10	11	1.655413		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130014-DUP3

Sample Description: 50x

Batch ID: B130014

Sample Date/Time: Monday, January 07, 2013 03:22:38

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 226

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130014-DUP3.165

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	1484	1396.619217	1236.0386	ng/L
Fe-Precon	54	428	12492676	12492248.386376	93257113.2164	ng/L
Fe-Precon	56	8268	245864460	245856192.385384	85829147.1065	ng/L
Fe-Precon	57	324	6215646	6215321.777305	87435490.2043	ng/L
Co-Precon	59	42	1155	1113.244580	326.1244	ng/L
Ni-Precon	60	75	1780	1705.366354	2672.2604	ng/L
Cu-Precon	63	689	644	-45.865146	-101.9917	ng/L
Cu-Precon	65	315	357	41.844466	0.3927	ng/L
Zn-Precon	66	1040	623	-417.451628	0.0007	ng/L
Zn-Precon	68	753	638	-114.911671	538.6321	ng/L
Cd-Precon	111	7	-1	-7.501366	-8.6918	ng/L
Cd-Precon	114	19	3	-16.159769	6.4811	ng/L
Pb-Precon	208	901	759	-142.136806	52.2386	ng/L
Tb-Precon	159	10	90	79.893536		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 03:35:39

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.166

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	265	176.835389	3.8841	ng/L
Fe-Precon	54	428	114971	114542.746839	17098.9453	ng/L
Fe-Precon	56	8268	2553508	2545240.339472	17823.6835	ng/L
Fe-Precon	57	324	57703	57378.594007	16196.4125	ng/L
Co-Precon	59	42	68	25.963953	0.7408	ng/L
Ni-Precon	60	75	70	-4.370702	0.3681	ng/L
Cu-Precon	63	689	600	-89.639398	-2.6113	ng/L
Cu-Precon	65	315	267	-48.366575	-2.5005	ng/L
Zn-Precon	66	1040	364	-676.054116	-10.2480	ng/L
Zn-Precon	68	753	274	-479.244303	-11.1811	ng/L
Cd-Precon	111	7	2	-4.736751	-0.0516	ng/L
Cd-Precon	114	19	6	-13.009031	0.1857	ng/L
Pb-Precon	208	901	680	-221.372575	0.7867	ng/L
Tb-Precon	159	10	9	-0.630308		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130014-MS3

Sample Description: 50x

Batch ID: B130014

Sample Date/Time: Monday, January 07, 2013 03:48:40

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 227

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130014-MS3.167

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	477975	477887.076505	408212.2297	ng/L
Fe-Precon	54	428	12654467	12654038.995836	94464914.0140	ng/L
Fe-Precon	56	8268	250517323	250509055.445065	87453425.4497	ng/L
Fe-Precon	57	324	6353479	6353155.083579	89374433.4668	ng/L
Co-Precon	59	42	672823	672781.465099	178908.1054	ng/L
Ni-Precon	60	75	112652	112577.571695	174768.2902	ng/L
Cu-Precon	63	689	286337	285648.024643	186392.9835	ng/L
Cu-Precon	65	315	135744	135429.442568	188228.9454	ng/L
Zn-Precon	66	1040	424743	423702.688843	840361.3161	ng/L
Zn-Precon	68	753	278807	278054.109496	838626.0437	ng/L
Cd-Precon	111	7	72710	72703.550992	160723.7878	ng/L
Cd-Precon	114	19	181013	180994.577463	161084.1130	ng/L
Pb-Precon	208	901	1048471	1047569.598765	170679.4670	ng/L
Tb-Precon	159	10	98	87.789870		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 04:01:40

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.168

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	14216	14127.933447	242.2001	ng/L
Fe-Precon	54	428	127180	126751.530736	18921.7679	ng/L
Fe-Precon	56	8268	2862750	2854482.283422	19982.7627	ng/L
Fe-Precon	57	324	63830	63505.828624	17920.2862	ng/L
Co-Precon	59	42	676	634.141829	3.9748	ng/L
Ni-Precon	60	75	513	438.590558	14.1194	ng/L
Cu-Precon	63	689	5148	4458.652625	56.7693	ng/L
Cu-Precon	65	315	2435	2119.925492	57.7907	ng/L
Zn-Precon	66	1040	879	-161.641996	10.1374	ng/L
Zn-Precon	68	753	542	-210.748038	4.9978	ng/L
Cd-Precon	111	7	43	36.058542	1.7520	ng/L
Cd-Precon	114	19	116	97.064106	2.1447	ng/L
Pb-Precon	208	901	1606	704.635223	3.8028	ng/L
Tb-Precon	159	10	9	-0.571426		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: B130014-MSD3

Sample Description: 50x

Batch ID: B130014

Sample Date/Time: Monday, January 07, 2013 04:14:41

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 228

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\B130014-MSD3.169

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	472400	472312.603731	403451.0060	ng/L
Fe-Precon	54	428	12701061	12700632.964922	94812747.7555	ng/L
Fe-Precon	56	8268	251607089	251598820.909022	87833854.1062	ng/L
Fe-Precon	57	324	6343648	6343323.584049	89236130.7569	ng/L
Co-Precon	59	42	666650	666607.846869	177266.6745	ng/L
Ni-Precon	60	75	108902	108827.846877	168947.9608	ng/L
Cu-Precon	63	689	284175	283485.400105	184981.2676	ng/L
Cu-Precon	65	315	133470	133154.835277	185066.5727	ng/L
Zn-Precon	66	1040	417028	415987.681903	825074.6255	ng/L
Zn-Precon	68	753	275003	274250.422865	827166.0261	ng/L
Cd-Precon	111	7	71983	71976.547036	159116.6986	ng/L
Cd-Precon	114	19	178726	178706.842743	159048.3062	ng/L
Pb-Precon	208	901	1051672	1050770.518571	171200.7593	ng/L
Tb-Precon	159	10	95	84.828707		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 04:27:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.170

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	15159	15071.483994	258.3181	ng/L
Fe-Precon	54	428	135028	134600.401820	20093.6372	ng/L
Fe-Precon	56	8268	3039505	3031237.355383	21216.8391	ng/L
Fe-Precon	57	324	67732	67407.731951	19018.0715	ng/L
Co-Precon	59	42	892	850.088888	5.1231	ng/L
Ni-Precon	60	75	565	490.346749	15.7261	ng/L
Cu-Precon	63	689	5934	5244.440917	67.0282	ng/L
Cu-Precon	65	315	2765	2450.487714	66.9823	ng/L
Zn-Precon	66	1040	940	-100.549007	12.5584	ng/L
Zn-Precon	68	753	598	-154.952075	8.3599	ng/L
Cd-Precon	111	7	59	52.279516	2.4692	ng/L
Cd-Precon	114	19	145	126.513340	2.6689	ng/L
Pb-Precon	208	901	1818	916.334279	4.4924	ng/L
Tb-Precon	159	10	7	-2.524678		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-02RE3

Sample Description: 50x

Batch ID: B130014

Sample Date/Time: Monday, January 07, 2013 04:40:42

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 229

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245032-02RE2.171

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	4549	4460.676253	3853.0864	ng/L
Fe-Precon	54	428	2009872	2009444.199506	15000783.6246	ng/L
Fe-Precon	56	8268	39755784	39747515.882416	13878209.5203	ng/L
Fe-Precon	57	324	960133	959809.121781	13504586.7823	ng/L
Co-Precon	59	42	880	837.647447	252.8491	ng/L
Ni-Precon	60	75	1048	973.660495	1536.5053	ng/L
Cu-Precon	63	689	1215	525.968053	271.2891	ng/L
Cu-Precon	65	315	596	280.940846	332.8070	ng/L
Zn-Precon	66	1040	429	-611.531459	-384.5535	ng/L
Zn-Precon	68	753	349	-404.062203	-332.5412	ng/L
Cd-Precon	111	7	-35	-41.586147	-84.0384	ng/L
Cd-Precon	114	19	-57	-75.968552	-46.7415	ng/L
Pb-Precon	208	901	796	-105.404420	58.2208	ng/L
Tb-Precon	159	10	366	356.035973		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 04:53:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.172

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	2436	2348.045348	40.9733	ng/L
Fe-Precon	54	428	56436	56008.088972	8359.4756	ng/L
Fe-Precon	56	8268	1217918	1209650.190853	8498.8006	ng/L
Fe-Precon	57	324	28476	28151.841074	7973.5791	ng/L
Co-Precon	59	42	278	236.571905	1.8607	ng/L
Ni-Precon	60	75	118	42.923763	1.8363	ng/L
Cu-Precon	63	689	1494	804.121652	9.0572	ng/L
Cu-Precon	65	315	739	423.612131	10.6232	ng/L
Zn-Precon	66	1040	403	-637.489064	-8.7197	ng/L
Zn-Precon	68	753	292	-461.164308	-10.0917	ng/L
Cd-Precon	111	7	-1	-7.234640	-0.1620	ng/L
Cd-Precon	114	19	6	-12.403083	0.1965	ng/L
Pb-Precon	208	901	724	-177.215500	0.9305	ng/L
Tb-Precon	159	10	30	20.381062		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-03RE3

Sample Description: 50x

Batch ID: B130014

Sample Date/Time: Monday, January 07, 2013 05:06:43

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 230

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245032-03RE2.173

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	4095	4006.830327	3465.4511	ng/L
Fe-Precon	54	428	506594	506165.925746	3778496.3470	ng/L
Fe-Precon	56	8268	11263953	11255685.602914	3931932.9397	ng/L
Fe-Precon	57	324	265155	264830.332600	3728107.6620	ng/L
Co-Precon	59	42	1049	1006.595827	297.7688	ng/L
Ni-Precon	60	75	2505	2430.027920	3797.0814	ng/L
Cu-Precon	63	689	1107	417.116643	200.2331	ng/L
Cu-Precon	65	315	619	304.109605	365.0184	ng/L
Zn-Precon	66	1040	672	-368.620586	96.7556	ng/L
Zn-Precon	68	753	489	-263.691518	90.3776	ng/L
Cd-Precon	111	7	-6	-12.669937	-20.1173	ng/L
Cd-Precon	114	19	-13	-31.653644	-7.3065	ng/L
Pb-Precon	208	901	846	-54.881396	66.4488	ng/L
Tb-Precon	159	10	123	112.746264		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 05:19:43

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.174

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	1218	1130.505053	20.1749	ng/L
Fe-Precon	54	428	30765	30336.979693	4526.6714	ng/L
Fe-Precon	56	8268	603406	595138.633559	4208.3764	ng/L
Fe-Precon	57	324	15950	15625.755825	4449.4137	ng/L
Co-Precon	59	42	221	178.645676	1.5527	ng/L
Ni-Precon	60	75	85	10.552464	0.8313	ng/L
Cu-Precon	63	689	720	30.561445	-1.0420	ng/L
Cu-Precon	65	315	341	26.376219	-0.4223	ng/L
Zn-Precon	66	1040	386	-654.328903	-9.3871	ng/L
Zn-Precon	68	753	266	-486.767845	-11.6345	ng/L
Cd-Precon	111	7	1	-5.256022	-0.0746	ng/L
Cd-Precon	114	19	10	-9.226240	0.2530	ng/L
Pb-Precon	208	901	690	-211.615276	0.8185	ng/L
Tb-Precon	159	10	12	2.507364		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV8

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 05:32:45

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CCV8.175

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	81982	81894.053838	1399.7972	ng/L
Fe-Precon	54	428	25540	25111.861674	3746.5394	ng/L
Fe-Precon	56	8268	502526	494258.151422	3504.0446	ng/L
Fe-Precon	57	324	13170	12845.614795	3667.2318	ng/L
Co-Precon	59	42	109239	109197.198219	581.2660	ng/L
Ni-Precon	60	75	18142	18067.784244	561.4007	ng/L
Cu-Precon	63	689	45666	44977.094904	585.7610	ng/L
Cu-Precon	65	315	21448	21133.362317	586.4760	ng/L
Zn-Precon	66	1040	70361	69320.724323	2763.6162	ng/L
Zn-Precon	68	753	46437	45683.934984	2770.4931	ng/L
Cd-Precon	111	7	12382	12375.588092	547.2986	ng/L
Cd-Precon	114	19	30571	30551.746456	544.1643	ng/L
Pb-Precon	208	901	168274	167372.309035	546.6629	ng/L
Tb-Precon	159	10	8	-1.800870		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 05:45:46

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.176

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	1974	1886.174520	33.0835	ng/L
Fe-Precon	54	428	9623	9195.320777	1370.1331	ng/L
Fe-Precon	56	8268	186477	178209.524432	1297.4422	ng/L
Fe-Precon	57	324	5140	4815.511520	1407.9935	ng/L
Co-Precon	59	42	342	299.799574	2.1969	ng/L
Ni-Precon	60	75	170	95.514134	3.4689	ng/L
Cu-Precon	63	689	3051	2361.638418	29.3915	ng/L
Cu-Precon	65	315	1441	1125.777193	30.1476	ng/L
Zn-Precon	66	1040	472	-568.738517	-5.9953	ng/L
Zn-Precon	68	753	331	-422.212837	-7.7445	ng/L
Cd-Precon	111	7	8	1.546802	0.2262	ng/L
Cd-Precon	114	19	23	4.371524	0.4950	ng/L
Pb-Precon	208	901	824	-77.277837	1.2560	ng/L
Tb-Precon	159	10	9	-1.025108		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB8

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 05:58:48

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CCB8.177

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	979	890.753156	16.0794	ng/L
Fe-Precon	54	428	3543	3115.416639	462.3780	ng/L
Fe-Precon	56	8268	68949	60681.222517	476.8778	ng/L
Fe-Precon	57	324	2149	1825.009186	566.6272	ng/L
Co-Precon	59	42	275	233.378695	1.8437	ng/L
Ni-Precon	60	75	92	17.742246	1.0545	ng/L
Cu-Precon	63	689	1039	350.084988	3.1295	ng/L
Cu-Precon	65	315	471	156.098000	3.1848	ng/L
Zn-Precon	66	1040	844	-195.956977	8.7775	ng/L
Zn-Precon	68	753	606	-147.224901	8.8255	ng/L
Cd-Precon	111	7	9	2.536483	0.2700	ng/L
Cd-Precon	114	19	29	9.982901	0.5949	ng/L
Pb-Precon	208	901	1166	265.176798	2.3715	ng/L
Tb-Precon	159	10	10	0.370561		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 06:11:50

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.178

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	733	645.308391	11.8867	ng/L
Fe-Precon	54	428	5386	4958.125111	737.5021	ng/L
Fe-Precon	56	8268	104642	96374.601060	726.0834	ng/L
Fe-Precon	57	324	2976	2651.411669	799.1324	ng/L
Co-Precon	59	42	206	164.234558	1.4761	ng/L
Ni-Precon	60	75	84	9.281493	0.7919	ng/L
Cu-Precon	63	689	1094	404.740347	3.8431	ng/L
Cu-Precon	65	315	522	207.034736	4.6011	ng/L
Zn-Precon	66	1040	366	-674.649252	-10.1923	ng/L
Zn-Precon	68	753	284	-469.359937	-10.5855	ng/L
Cd-Precon	111	7	3	-3.315079	0.0112	ng/L
Cd-Precon	114	19	9	-10.319948	0.2336	ng/L
Pb-Precon	208	901	688	-212.938950	0.8142	ng/L
Tb-Precon	159	10	6	-3.899575		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-05RE3

Sample Description: 50x

Batch ID: B130014

Sample Date/Time: Monday, January 07, 2013 06:24:50

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 232

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245032-05RE2.179

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	2805	2716.946532	2363.7460	ng/L
Fe-Precon	54	428	3676434	3676005.505137	27442012.9458	ng/L
Fe-Precon	56	8268	71939662	71931394.236153	25113351.3979	ng/L
Fe-Precon	57	324	1813194	1812869.712814	25504850.9435	ng/L
Co-Precon	59	42	1353	1310.717293	378.6281	ng/L
Ni-Precon	60	75	1383	1308.408965	2056.1025	ng/L
Cu-Precon	63	689	1965	1276.106905	760.9640	ng/L
Cu-Precon	65	315	928	613.300973	794.8852	ng/L
Zn-Precon	66	1040	4798	3757.697909	8272.7372	ng/L
Zn-Precon	68	753	3198	2445.191991	8251.8945	ng/L
Cd-Precon	111	7	10	2.923210	14.3524	ng/L
Cd-Precon	114	19	24	4.813339	25.1446	ng/L
Pb-Precon	208	901	871	-29.897268	70.5176	ng/L
Tb-Precon	159	10	69	59.017229		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 06:37:49

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.180

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	588	499.754553	9.4003	ng/L
Fe-Precon	54	428	53419	52990.639940	7908.9578	ng/L
Fe-Precon	56	8268	1123791	1115523.676050	7841.6239	ng/L
Fe-Precon	57	324	27009	26684.798429	7560.8324	ng/L
Co-Precon	59	42	204	161.667813	1.4624	ng/L
Ni-Precon	60	75	69	-5.447744	0.3346	ng/L
Cu-Precon	63	689	819	130.106235	0.2576	ng/L
Cu-Precon	65	315	371	56.507137	0.4156	ng/L
Zn-Precon	66	1040	400	-640.774674	-8.8499	ng/L
Zn-Precon	68	753	289	-463.769022	-10.2486	ng/L
Cd-Precon	111	7	0	-6.215340	-0.1170	ng/L
Cd-Precon	114	19	7	-11.460161	0.2133	ng/L
Pb-Precon	208	901	693	-208.708617	0.8279	ng/L
Tb-Precon	159	10	10	0.581818		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-06RE3

Sample Description: 50x

Batch ID: B130014

Sample Date/Time: Monday, January 07, 2013 06:50:49

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 233

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245032-06RE2..181

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	2814	2725.886370	2371.3816	ng/L
Fe-Precon	54	428	11162527	11162099.048653	83327269.7199	ng/L
Fe-Precon	56	8268	218876519	218868251.191356	76407866.5210	ng/L
Fe-Precon	57	324	5540584	5540259.925509	77939188.7319	ng/L
Co-Precon	59	42	4167	4124.696801	1126.8041	ng/L
Ni-Precon	60	75	1804	1729.602162	2709.8793	ng/L
Cu-Precon	63	689	661	-28.457787	-90.6285	ng/L
Cu-Precon	65	315	365	50.363333	12.2365	ng/L
Zn-Precon	66	1040	1329	288.832059	1399.4473	ng/L
Zn-Precon	68	753	1030	276.841646	1718.9343	ng/L
Cd-Precon	111	7	1	-5.648591	-4.5961	ng/L
Cd-Precon	114	19	5	-14.115485	8.3003	ng/L
Pb-Precon	208	901	661	-240.264361	36.2579	ng/L
Tb-Precon	159	10	145	135.493640		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 07:03:49

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.182

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	512	424.171045	8.1092	ng/L
Fe-Precon	54	428	110007	109579.239307	16357.8728	ng/L
Fe-Precon	56	8268	2462504	2454236.279706	17188.3073	ng/L
Fe-Precon	57	324	55512	55187.814415	15580.0452	ng/L
Co-Precon	59	42	207	164.847367	1.4793	ng/L
Ni-Precon	60	75	70	-4.897122	0.3517	ng/L
Cu-Precon	63	689	502	-187.483949	-3.8887	ng/L
Cu-Precon	65	315	248	-66.966012	-3.0177	ng/L
Zn-Precon	66	1040	378	-662.718509	-9.7195	ng/L
Zn-Precon	68	753	280	-473.002943	-10.8050	ng/L
Cd-Precon	111	7	0	-6.264012	-0.1191	ng/L
Cd-Precon	114	19	6	-13.099402	0.1841	ng/L
Pb-Precon	208	901	673	-227.917213	0.7654	ng/L
Tb-Precon	159	10	8	-1.755848		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-07RE3

Sample Description: 50x

Batch ID: B130014

Sample Date/Time: Monday, January 07, 2013 07:16:48

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 234

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245032-07RE2.183

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	2781	2693.093744	2343.3730	ng/L
Fe-Precon	54	428	11079472	11079043.767259	82707244.6428	ng/L
Fe-Precon	56	8268	219243082	219234814.286924	76535830.8496	ng/L
Fe-Precon	57	324	5489751	5489426.784706	77224103.3977	ng/L
Co-Precon	59	42	3895	3852.629466	1054.4673	ng/L
Ni-Precon	60	75	1746	1671.172414	2619.1845	ng/L
Cu-Precon	63	689	515	-173.920533	-185.5835	ng/L
Cu-Precon	65	315	293	-21.565831	-87.7662	ng/L
Zn-Precon	66	1040	1403	362.337791	1545.0932	ng/L
Zn-Precon	68	753	1049	295.515584	1775.1965	ng/L
Cd-Precon	111	7	-0	-6.871929	-7.3004	ng/L
Cd-Precon	114	19	3	-15.385622	7.1700	ng/L
Pb-Precon	208	901	686	-215.253961	40.3310	ng/L
Tb-Precon	159	10	153	143.525141		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 07:29:48

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.184

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	457	369.097987	7.1684	ng/L
Fe-Precon	54	428	108366	107938.286271	16112.8716	ng/L
Fe-Precon	56	8268	2426302	2418034.240148	16935.5503	ng/L
Fe-Precon	57	324	54688	54363.870355	15348.2317	ng/L
Co-Precon	59	42	190	148.365044	1.3917	ng/L
Ni-Precon	60	75	70	-4.987191	0.3489	ng/L
Cu-Precon	63	689	464	-225.633219	-4.3868	ng/L
Cu-Precon	65	315	219	-96.210618	-3.8309	ng/L
Zn-Precon	66	1040	388	-652.143803	-9.3005	ng/L
Zn-Precon	68	753	295	-457.649324	-9.8798	ng/L
Cd-Precon	111	7	1	-5.769814	-0.0973	ng/L
Cd-Precon	114	19	6	-12.756576	0.1902	ng/L
Pb-Precon	208	901	712	-189.674476	0.8899	ng/L
Tb-Precon	159	10	10	0.405195		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-04RE3

Sample Description: 50x

Batch ID: B130014

Sample Date/Time: Monday, January 07, 2013 07:42:48

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 231

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245032-04RE2.185

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	187990	187902.658956	160533.0749	ng/L
Fe-Precon	54	428	503199	502771.381623	3753155.3639	ng/L
Fe-Precon	56	8268	11302642	11294373.982602	3945438.7524	ng/L
Fe-Precon	57	324	253443	253118.942741	3563359.9600	ng/L
Co-Precon	59	42	5935	5893.575099	1597.1104	ng/L
Ni-Precon	60	75	4475	4400.863316	6856.2155	ng/L
Cu-Precon	63	689	11067	10377.979879	6702.4756	ng/L
Cu-Precon	65	315	4160	3844.642292	5287.3994	ng/L
Zn-Precon	66	1040	3031	1990.588068	4771.3454	ng/L
Zn-Precon	68	753	1047	294.164129	1771.1247	ng/L
Cd-Precon	111	7	-3	-9.889909	-13.9718	ng/L
Cd-Precon	114	19	2	-16.652441	6.0427	ng/L
Pb-Precon	208	901	4542	3640.295943	668.2344	ng/L
Tb-Precon	159	10	756	746.292420		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 07:55:48

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.186

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	2226	2137.839241	37.3825	ng/L
Fe-Precon	54	428	31919	31490.655159	4698.9200	ng/L
Fe-Precon	56	8268	617774	609506.008878	4308.6872	ng/L
Fe-Precon	57	324	16256	15931.440348	4535.4169	ng/L
Co-Precon	59	42	197	154.761842	1.4257	ng/L
Ni-Precon	60	75	90	15.175928	0.9749	ng/L
Cu-Precon	63	689	1004	314.685891	2.6674	ng/L
Cu-Precon	65	315	381	66.425395	0.6913	ng/L
Zn-Precon	66	1040	414	-626.000510	-8.2645	ng/L
Zn-Precon	68	753	289	-464.316343	-10.2816	ng/L
Cd-Precon	111	7	1	-6.170852	-0.1150	ng/L
Cd-Precon	114	19	7	-11.465963	0.2132	ng/L
Pb-Precon	208	901	673	-228.224414	0.7644	ng/L
Tb-Precon	159	10	14	3.726417		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-08RE3

Sample Description: 50x

Batch ID: B130014

Sample Date/Time: Monday, January 07, 2013 08:08:47

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 235

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245032-08RE2.187

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	194210	194121.801332	165844.9187	ng/L
Fe-Precon	54	428	200486	200058.399553	1493339.5289	ng/L
Fe-Precon	56	8268	4423042	4414774.623335	1543824.0678	ng/L
Fe-Precon	57	324	101654	101329.405620	1428090.1310	ng/L
Co-Precon	59	42	1858	1816.282012	513.0467	ng/L
Ni-Precon	60	75	13584	13509.592095	20994.8001	ng/L
Cu-Precon	63	689	8364	7674.646601	4937.7964	ng/L
Cu-Precon	65	315	2222	1906.804023	2593.2347	ng/L
Zn-Precon	66	1040	3971	2930.672711	6634.0506	ng/L
Zn-Precon	68	753	1587	834.159151	3398.0601	ng/L
Cd-Precon	111	7	22	15.512785	42.1825	ng/L
Cd-Precon	114	19	28	8.834745	28.7232	ng/L
Pb-Precon	208	901	5155	4253.429353	768.0875	ng/L
Tb-Precon	159	10	2779	2769.638358		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 08:21:47

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.188

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	2130	2042.517129	35.7542	ng/L
Fe-Precon	54	428	16013	15584.713802	2324.0963	ng/L
Fe-Precon	56	8268	313542	305274.763205	2184.5919	ng/L
Fe-Precon	57	324	8206	7881.357358	2270.5573	ng/L
Co-Precon	59	42	160	117.970437	1.2301	ng/L
Ni-Precon	60	75	157	82.024348	3.0501	ng/L
Cu-Precon	63	689	926	237.057565	1.6539	ng/L
Cu-Precon	65	315	312	-3.259808	-1.2463	ng/L
Zn-Precon	66	1040	423	-617.660848	-7.9340	ng/L
Zn-Precon	68	753	275	-477.930931	-11.1020	ng/L
Cd-Precon	111	7	2	-4.198544	-0.0278	ng/L
Cd-Precon	114	19	5	-13.937190	0.1692	ng/L
Pb-Precon	208	901	670	-231.607751	0.7534	ng/L
Tb-Precon	159	10	22	12.505668		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: 1245032-09RE3

Sample Description: 50x

Batch ID: B130014

Sample Date/Time: Monday, January 07, 2013 08:34:47

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 236

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\1245032-09RE2.189

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	1757161	1757073.655248	1500780.7661	ng/L
Fe-Precon	54	428	318261	317832.517986	2372547.9988	ng/L
Fe-Precon	56	8268	6941420	6933151.903596	2422970.0096	ng/L
Fe-Precon	57	324	160964	160639.673135	2262425.7986	ng/L
Co-Precon	59	42	4561	4518.795730	1231.5864	ng/L
Ni-Precon	60	75	49746	49671.401687	77125.2238	ng/L
Cu-Precon	63	689	13045	12356.062103	7993.7262	ng/L
Cu-Precon	65	315	9565	9250.394571	12802.9838	ng/L
Zn-Precon	66	1040	21553	20512.377687	41470.8417	ng/L
Zn-Precon	68	753	8037	7284.056214	22830.7688	ng/L
Cd-Precon	111	7	108	100.999514	231.1564	ng/L
Cd-Precon	114	19	243	224.075287	220.2612	ng/L
Pb-Precon	208	901	79529	78627.924668	12880.4974	ng/L
Tb-Precon	159	10	1236	1226.395148		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 08:47:48

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.190

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	13535	13446.978186	230.5679	ng/L
Fe-Precon	54	428	19746	19318.090127	2881.5050	ng/L
Fe-Precon	56	8268	387253	378985.194568	2699.2267	ng/L
Fe-Precon	57	324	10310	9985.573795	2862.5704	ng/L
Co-Precon	59	42	178	135.619721	1.3239	ng/L
Ni-Precon	60	75	350	275.700968	9.0626	ng/L
Cu-Precon	63	689	1137	447.875640	4.4062	ng/L
Cu-Precon	65	315	536	220.590812	4.9781	ng/L
Zn-Precon	66	1040	481	-559.688467	-5.6366	ng/L
Zn-Precon	68	753	293	-460.258284	-10.0371	ng/L
Cd-Precon	111	7	1	-5.691712	-0.0938	ng/L
Cd-Precon	114	19	5	-13.754910	0.1724	ng/L
Pb-Precon	208	901	761	-140.209185	1.0511	ng/L
Tb-Precon	159	10	20	9.679711		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCV9

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 09:00:50

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CCV9.191

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	78114	78025.685374	1333.7168	ng/L
Fe-Precon	54	428	21531	21102.727348	3147.9588	ng/L
Fe-Precon	56	8268	418989	410721.618123	2920.8055	ng/L
Fe-Precon	57	324	11083	10758.938094	3080.1534	ng/L
Co-Precon	59	42	100708	100665.888096	535.9002	ng/L
Ni-Precon	60	75	16802	16727.766057	519.8011	ng/L
Cu-Precon	63	689	42261	41571.400104	541.2977	ng/L
Cu-Precon	65	315	19796	19481.277475	540.5384	ng/L
Zn-Precon	66	1040	65820	64779.241523	2583.6443	ng/L
Zn-Precon	68	753	43080	42326.478747	2568.1814	ng/L
Cd-Precon	111	7	11802	11794.871204	521.6243	ng/L
Cd-Precon	114	19	29067	29048.258331	517.4059	ng/L
Pb-Precon	208	901	164637	163735.407255	534.8170	ng/L
Tb-Precon	159	10	7	-2.988751		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 09:13:51

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.192

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	2491	2403.603372	41.9223	ng/L
Fe-Precon	54	428	6135	5707.007774	849.3134	ng/L
Fe-Precon	56	8268	119728	111459.828016	831.4062	ng/L
Fe-Precon	57	324	3370	3046.250060	910.2186	ng/L
Co-Precon	59	42	359	317.328758	2.2902	ng/L
Ni-Precon	60	75	181	106.240083	3.8019	ng/L
Cu-Precon	63	689	3298	2608.839081	32.6189	ng/L
Cu-Precon	65	315	1499	1183.989455	31.7662	ng/L
Zn-Precon	66	1040	482	-558.292244	-5.5813	ng/L
Zn-Precon	68	753	350	-403.389312	-6.6103	ng/L
Cd-Precon	111	7	10	3.548994	0.3147	ng/L
Cd-Precon	114	19	38	19.337362	0.7614	ng/L
Pb-Precon	208	901	885	-16.494100	1.4540	ng/L
Tb-Precon	159	10	9	-0.948922		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: SEQ-CCB9

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 09:26:53

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-CCB9.193

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	1025	937.382394	16.8760	ng/L
Fe-Precon	54	428	2442	2013.553916	297.8652	ng/L
Fe-Precon	56	8268	46866	38598.811202	322.7019	ng/L
Fe-Precon	57	324	1552	1227.852445	398.6195	ng/L
Co-Precon	59	42	186	144.243213	1.3698	ng/L
Ni-Precon	60	75	94	18.940515	1.0917	ng/L
Cu-Precon	63	689	939	249.190729	1.8123	ng/L
Cu-Precon	65	315	412	97.227395	1.5478	ng/L
Zn-Precon	66	1040	795	-244.964609	6.8354	ng/L
Zn-Precon	68	753	536	-217.102751	4.6149	ng/L
Cd-Precon	111	7	8	1.598170	0.2285	ng/L
Cd-Precon	114	19	22	3.371146	0.4772	ng/L
Pb-Precon	208	901	1154	252.796087	2.3311	ng/L
Tb-Precon	159	10	9	-0.664936		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 09:39:55

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.194

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	723	635.525871	11.7196	ng/L
Fe-Precon	54	428	3426	2997.849864	444.8248	ng/L
Fe-Precon	56	8268	67649	59380.934779	467.7994	ng/L
Fe-Precon	57	324	2151	1827.031262	567.1962	ng/L
Co-Precon	59	42	162	120.543368	1.2437	ng/L
Ni-Precon	60	75	74	-0.696242	0.4821	ng/L
Cu-Precon	63	689	757	67.632164	-0.5581	ng/L
Cu-Precon	65	315	324	9.077366	-0.9033	ng/L
Zn-Precon	66	1040	389	-651.584381	-9.2783	ng/L
Zn-Precon	68	753	262	-491.130618	-11.8973	ng/L
Cd-Precon	111	7	1	-5.975740	-0.1064	ng/L
Cd-Precon	114	19	4	-14.968798	0.1508	ng/L
Pb-Precon	208	901	612	-289.058153	0.5662	ng/L
Tb-Precon	159	10	7	-2.825981		mg/L

Quantitative Analysis - Brooks Rand Labs Summary Report

Sample ID: rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, January 07, 2013 09:52:54

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 434

Sample File: C:\Elandata\Sample\2013\01-13\1300016.sam

Method File: C:\Elandata\Method\2013\1300016-0063-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2013\01-13\1300016\rinse.195

Calibration File: C:\Elandata\System\2013\01-13\1300016.cal

Blank File: C:\Elandata\DataSet\Data\2013\01-13\1300016\SEQ-ICB1.004

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Net Int Mean	Conc Mean	Sample Unit
V-Precon	51	88	578	489.957590	9.2330	ng/L
Fe-Precon	54	428	2777	2348.881063	347.9310	ng/L
Fe-Precon	56	8268	54525	46256.948881	376.1698	ng/L
Fe-Precon	57	324	1759	1434.371203	456.7228	ng/L
Co-Precon	59	42	139	97.020380	1.1186	ng/L
Ni-Precon	60	75	62	-12.294617	0.1221	ng/L
Cu-Precon	63	689	533	-156.164333	-3.4799	ng/L
Cu-Precon	65	315	247	-68.125397	-3.0500	ng/L
Zn-Precon	66	1040	376	-664.207248	-9.7785	ng/L
Zn-Precon	68	753	270	-483.362632	-11.4293	ng/L
Cd-Precon	111	7	0	-6.283921	-0.1200	ng/L
Cd-Precon	114	19	7	-11.480665	0.2129	ng/L
Pb-Precon	208	901	655	-246.521714	0.7048	ng/L
Tb-Precon	159	10	7	-3.335073		mg/L

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200890

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200890-ICB1	1200890	QC	1		-			
1200890-CAL1	1200890	QC	2	1244006	-			
1200890-CAL2	1200890	QC	3	1244007	-			
1200890-CAL3	1200890	QC	4	1244008	-			
1200890-CAL4	1200890	QC	5	1244009	-			
1200890-CAL5	1200890	QC	6	1244010	-			
1200890-CAL6	1200890	QC	7	1244011	-			
1200890-CAL7	1200890	QC	8	1244012	-			
1200890-CAL8	1200890	QC	9	1244013	-			
1200890-ICB2	1200890	QC	10		-			
1200890-ICV1	1200890	QC	11	1244005	-			
1200890-ICB3	1200890	QC	12		-			
1200890-IBL1	1200890	QC	13		-			
1200890-IBL2	1200890	QC	14		-			
1200890-IBL3	1200890	QC	15		-			
1200890-IBL4	1200890	QC	16		-			
1200890-SCV1	1200890	QC	17	1215030	-			
1200890-CCV1	1200890	QC	18	1244009	-			
1200890-CCB1	1200890	QC	19		-			
B122185-BLK1	B122185	QC	20		-			
B122185-BLK2	B122185	QC	21		-			
B122185-BLK3	B122185	QC	22		-			
B122185-BLK4	B122185	QC	23		-			
B122185-BS1	B122185	QC	24		-			
B122185-SRM1	B122185	QC	25		-			
B122186-BLK1	B122186	QC	26		-			

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200890

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B122186-BLK2	B122186	QC	27		-			
B122186-BLK3	B122186	QC	28		-			
B122186-BLK4	B122186	QC	29		-			
B122186-BS1	B122186	QC	30		-			
B122186-SRM1	B122186	QC	31		-			
1246017-01RE1	B122185	As-FW-Oven-DRC-TR	32			BFF-BR1201	11/16/2012	Juice and/or Juice Concentrate
1246017-02RE1	B122185	As-FW-Oven-DRC-TR	33			BFF-BR1201	11/16/2012	Juice and/or Juice Concentrate
B122185-DUP1	B122185	QC	34		1246017-02RE1			
B122185-MS1	B122185	QC	35		1246017-02RE1			
B122185-MSD1	B122185	QC	36		1246017-02RE1			
1200890-CCV2	1200890	QC	37	1244009	-			
1200890-CCB2	1200890	QC	38		-			
B122116-BLK1	B122116	QC	39		-			
B122116-BLK2	B122116	QC	40		-			
B122116-BLK3	B122116	QC	41		-			
B122116-BLK4	B122116	QC	42		-			
B122116-BS1	B122116	QC	43		-			
B122116-SRM1	B122116	QC	44		-			
1245032-01	B122116	As-FW-Oven-DRC-Diss	45			HCI-SE1201	12/3/2012	Saline Water: Dilute 50x
B122116-DUP1	B122116	QC	46		1245032-01			
B122116-MS1	B122116	QC	47		1245032-01			
B122116-MSD1	B122116	QC	48		1245032-01			
1245032-02	B122116	As-FW-Oven-DRC-Diss	49			HCI-SE1201	12/3/2012	Saline Water: Dilute 50x
1200890-CCV3	1200890	QC	50	1244009	-			
1200890-CCB3	1200890	QC	51		-			
1245032-03	B122116	As-FW-Oven-DRC-Diss	52			HCI-SE1201	12/3/2012	Saline Water: Dilute 50x

ANALYSIS SEQUENCE

BRL Report 1245005

Brooks Rand Labs

1200890

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1245032-04	B122116	As-FW-Oven-DRC-Diss	53			HCI-SE1201	12/3/2012	Saline Water: Dilute 50x
1245032-05	B122116	As-FW-Oven-DRC-Diss	54			HCI-SE1201	12/3/2012	Saline Water: Dilute 50x
1245032-06	B122116	As-FW-Oven-DRC-Diss	55			HCI-SE1201	12/3/2012	Saline Water: Dilute 50x
1245032-07	B122116	As-FW-Oven-DRC-Diss	56			HCI-SE1201	12/3/2012	Saline Water: Dilute 50x
1245032-08	B122116	As-FW-Oven-DRC-Diss	57			HCI-SE1201	12/3/2012	Saline Water: Dilute 50x
1245032-09	B122116	As-FW-Oven-DRC-Diss	58			HCI-SE1201	12/3/2012	Saline Water: Dilute 50x
1245032-10	B122116	As-FW-Oven-DRC-Diss	59			HCI-SE1201	12/3/2012	Saline Water: Dilute 50x
1200890-CCV4	1200890	QC	60	1244009	-			
1200890-CCB4	1200890	QC	61		-			
B122199-BLK1	B122199	QC	62		-			
B122199-BLK2	B122199	QC	63		-			
B122199-BLK3	B122199	QC	64		-			
B122199-BLK4	B122199	QC	65		-			
B122199-BS1	B122199	QC	66		-			
B122199-SRM1	B122199	QC	67		-			
B122200-BLK1	B122200	QC	68		-			
B122200-BLK2	B122200	QC	69		-			
B122200-BLK3	B122200	QC	70		-			
B122200-BLK4	B122200	QC	71		-			
B122200-BS1	B122200	QC	72		-			
B122200-SRM1	B122200	QC	73		-			
1247018-01	B122199	As-FW-Oven-DRC-TR	74			BFF-BR1201	11/28/2012	Juice and/or Juice Concentrate
1247018-02	B122199	As-FW-Oven-DRC-TR	75			BFF-BR1201	11/28/2012	Juice and/or Juice Concentrate
1247018-03	B122199	As-FW-Oven-DRC-TR	76			BFF-BR1201	11/28/2012	Juice and/or Juice Concentrate
B122199-DUP1	B122199	QC	77		1247002-03			
B122199-MS1	B122199	QC	78		1247002-03			

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BRL Report 1245005

Brooks Rand Labs

1200890

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B122199-MSD1	B122199	QC	79		1247002-03			
1200890-CCV5	1200890	QC	80	1244009	-			
1200890-CCB5	1200890	QC	81		-			
1247002-01	B122199	200.8-Se-FW-Oven-DRC-TR	82			MBL-BA0902	12/6/2012	FGD
1247002-01	B122199	200.8-As-FW-Oven-DRC-TR	83			MBL-BA0902	12/6/2012	FGD
1247002-02	B122199	Se-FW-Oven-DRC-TR	84			MBL-BA0902	12/6/2012	FGD
1247002-03	B122199	200.8-Se-FW-Oven-DRC-TR	85			MBL-BA0902	12/6/2012	FGD
1247002-03	B122199	200.8-As-FW-Oven-DRC-TR	86			MBL-BA0902	12/6/2012	FGD
1247002-04	B122199	Se-FW-Oven-DRC-TR	87			MBL-BA0902	12/6/2012	FGD
1247002-05	B122199	Se-FW-Oven-DRC-TR	88			MBL-BA0902	1/1/1980	BatchQC
1247002-05	B122199	As-FW-Oven-DRC-TR	89			MBL-BA0902	1/1/1980	BatchQC
1247002-05	B122199	200.8-Se-FW-Oven-DRC-TR	90			MBL-BA0902	12/6/2012	FGD
1247002-05	B122199	200.8-As-FW-Oven-DRC-TR	91			MBL-BA0902	12/6/2012	FGD
B122199-DUP2	B122199	QC	92		1247002-05			
B122199-MS2	B122199	QC	93		1247002-05			
B122199-MSD2	B122199	QC	94		1247002-05			
1247002-06	B122199	Se-FW-Oven-DRC-TR	95			MBL-BA0902	12/6/2012	FGD
1200890-CCV6	1200890	QC	96	1244009	-			
1200890-CCB6	1200890	QC	97		-			
1247002-07	B122199	200.8-Se-FW-Oven-DRC-TR	98			MBL-BA0902	12/6/2012	FGD
1247002-07	B122199	200.8-As-FW-Oven-DRC-TR	99			MBL-BA0902	12/6/2012	FGD
1247002-08	B122199	Se-FW-Oven-DRC-TR	100			MBL-BA0902	12/6/2012	FGD
1247002-09	B122199	200.8-Se-FW-Oven-DRC-TR	101			MBL-BA0902	12/6/2012	FGD
1247002-09	B122199	200.8-As-FW-Oven-DRC-TR	102			MBL-BA0902	12/6/2012	FGD
1247002-10	B122199	Se-FW-Oven-DRC-TR	103			MBL-BA0902	12/6/2012	FGD
1200890-CCV7	1200890	QC	104	1244009	-			

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BRL Report 1245005

Brooks Rand Labs

1200890

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200890-CCB7	1200890	QC	105		-			
1246011-01	B122200	Se-FW-Oven-DRC-NoMB-TR	106			AAL-MN1101	12/10/2012	
1246011-01	B122200	Se-FW-Oven-DRC-NoMB-Diss	107			AAL-MN1101	1/1/1980	BatchQC
B122200-DUP1	B122200	QC	108		1246011-01			
B122200-MS1	B122200	QC	109		1246011-01			
B122200-MSD1	B122200	QC	110		1246011-01			
1246011-02	B122200	Se-FW-Oven-DRC-NoMB-Diss	111			AAL-MN1101	12/10/2012	
1246011-03	B122200	Se-FW-Oven-DRC-NoMB-TR	112			AAL-MN1101	12/10/2012	
1246011-03	B122200	Se-FW-Oven-DRC-NoMB-Diss	113			AAL-MN1101	1/1/1980	BatchQC
B122200-DUP2	B122200	QC	114		1246011-03			
B122200-MS2	B122200	QC	115		1246011-03			
B122200-MSD2	B122200	QC	116		1246011-03			
1246011-04	B122200	Se-FW-Oven-DRC-NoMB-Diss	117			AAL-MN1101	12/10/2012	
1200890-CCV8	1200890	QC	118	1244009	-			
1200890-CCB8	1200890	QC	119		-			
1246011-05	B122200	Se-FW-Oven-DRC-NoMB-TR	120			AAL-MN1101	12/10/2012	
1246011-05	B122200	Se-FW-Oven-DRC-NoMB-Diss	121			AAL-MN1101	1/1/1980	BatchQC
B122200-DUP3	B122200	QC	122		1246011-05			
B122200-MS3	B122200	QC	123		1246011-05			
B122200-MSD3	B122200	QC	124		1246011-05			
1246011-06	B122200	Se-FW-Oven-DRC-NoMB-Diss	125			AAL-MN1101	12/10/2012	
1246011-07	B122200	Se-FW-Oven-DRC-NoMB-TR	126			AAL-MN1101	12/10/2012	
1200890-CCV9	1200890	QC	127	1244009	-			
1200890-CCB9	1200890	QC	128		-			
1246011-08	B122200	Se-FW-Oven-DRC-NoMB-Diss	129			AAL-MN1101	12/10/2012	
1246011-09	B122200	Se-FW-Oven-DRC-NoMB-TR	130			AAL-MN1101	12/10/2012	

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BRL Report 1245005

Brooks Rand Labs

1200890

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1246011-10	B122200	Se-FW-Oven-DRC-NoMB-Diss	131			AAL-MN1101	12/10/2012	
1246011-11	B122200	Se-FW-Oven-DRC-NoMB-TR	132			AAL-MN1101	12/10/2012	
1246011-12	B122200	Se-FW-Oven-DRC-NoMB-Diss	133			AAL-MN1101	12/10/2012	
1246011-13	B122200	Se-FW-Oven-DRC-NoMB-TR	134			AAL-MN1101	12/10/2012	
1246011-14	B122200	Se-FW-Oven-DRC-NoMB-Diss	135			AAL-MN1101	12/10/2012	
1246011-15	B122200	Se-FW-Oven-DRC-NoMB-TR	136			AAL-MN1101	12/10/2012	
1200890-CCVA	1200890	QC	137	1244009	-			
1200890-CCBA	1200890	QC	138		-			
1246011-16	B122200	Se-FW-Oven-DRC-NoMB-Diss	139			AAL-MN1101	12/10/2012	
1246011-17	B122200	Se-FW-Oven-DRC-NoMB-TR	140			AAL-MN1101	12/10/2012	
1246011-18	B122200	Se-FW-Oven-DRC-NoMB-Diss	141			AAL-MN1101	12/10/2012	
1246011-19	B122200	Se-FW-Oven-DRC-NoMB-TR	142			AAL-MN1101	12/10/2012	
1246011-20	B122200	Se-FW-Oven-DRC-NoMB-Diss	143			AAL-MN1101	12/10/2012	
1246011-21	B122200	Se-FW-Oven-DRC-NoMB-TR	144			AAL-MN1101	12/10/2012	
1246011-22	B122200	Se-FW-Oven-DRC-NoMB-Diss	145			AAL-MN1101	12/10/2012	
1200890-CCVB	1200890	QC	146	1244010	-			
1200890-CCBB	1200890	QC	147		-			
1245036-01RE1	B122186	200.8-As-FW-Oven-DRC-TR	148			MBL-BA0902	11/28/2012	FGD
B122186-DUP1	B122186	QC	149		1245036-01RE1			
B122186-MS1	B122186	QC	150		1245036-01RE1			
B122186-MSD1	B122186	QC	151		1245036-01RE1			
1245037-01RE1	B122186	200.8-As-FW-Oven-DRC-TR	152			MBL-BA0902	11/28/2012	FGD
B122186-DUP2	B122186	QC	153		1245037-01RE1			
B122186-MS2	B122186	QC	154		1245037-01RE1			
B122186-MSD2	B122186	QC	155		1245037-01RE1			
1245038-01RE1	B122186	200.8-As-FW-Oven-DRC-TR	156			MBL-BA0902	11/28/2012	FGD

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BRL Report 1245005

Brooks Rand Labs

1200890

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200890-CCVC	1200890	QC	157	1244010	-			
1200890-CCBC	1200890	QC	158		-			
1245039-01RE1	B122186	200.8-As-FW-Oven-DRC-TR	159			MBL-BA0902	11/28/2012	FGD
1245040-01RE1	B122186	200.8-As-FW-Oven-DRC-TR	160			MBL-BA0902	11/28/2012	FGD
1245041-01RE1	B122186	200.8-As-FW-Oven-DRC-TR	161			MBL-BA0902	11/28/2012	FGD
1245042-01RE1	B122186	200.8-As-FW-Oven-DRC-TR	162			MBL-BA0902	11/28/2012	FGD
1245043-01RE1	B122186	200.8-As-FW-Oven-DRC-TR	163			MBL-BA0902	11/28/2012	FGD
1245043-03RE1	B122186	200.8-As-FW-Oven-DRC-TR	164			MBL-BA0902	11/28/2012	FGD
1245043-05RE1	B122186	200.8-As-FW-Oven-DRC-TR	165			MBL-BA0902	11/28/2012	FGD
1245043-07RE1	B122186	200.8-As-FW-Oven-DRC-TR	166			MBL-BA0902	11/28/2012	FGD
1200890-CCVD	1200890	QC	167	1244010	-			
1200890-CCBD	1200890	QC	168		-			
B122118-BLK1	B122118	QC	169		-			
B122118-BLK2	B122118	QC	170		-			
B122118-BLK3	B122118	QC	171		-			
B122118-BLK4	B122118	QC	172		-			
B122118-BS1	B122118	QC	173		-			
B122118-SRM1	B122118	QC	174		-			
B122118-SRM2	B122118	QC	175		-			
1200890-CCVE	1200890	QC	176	1244010	-			
1200890-CCBE	1200890	QC	177		-			
1246025-04	B122118	As-B-HNO3-DRC	178			DBE-RK1102	12/10/2012	
1246025-04	B122118	Se-B-HNO3-DRC	179			DBE-RK1102	1/1/1980	BatchQC
B122118-DUP1	B122118	QC	180		1246025-04			
B122118-MS1	B122118	QC	181		1246025-04			
B122118-MSD1	B122118	QC	182		1246025-04			

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BRL Report 1245005

Brooks Rand Labs

1200890

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1246025-05	B122118	As-B-HNO3-DRC	183			DBE-RK1102	12/10/2012	
1246025-06	B122118	As-B-HNO3-DRC	184			DBE-RK1102	12/10/2012	
1245005-01	B122118	Se-B-HNO3-DRC	185			UDE-SL1201	12/5/2012	
1245005-01	B122118	As-B-HNO3-DRC	186			UDE-SL1201	12/5/2012	
B122118-DUP2	B122118	QC	187		1245005-01			
B122118-MS2	B122118	QC	188		1245005-01			
B122118-MSD2	B122118	QC	189		1245005-01			
1200890-CCVF	1200890	QC	190	1244010	-			
1200890-CCBF	1200890	QC	191		-			
1245005-02	B122118	Se-B-HNO3-DRC	192			UDE-SL1201	12/5/2012	
1245005-02	B122118	As-B-HNO3-DRC	193			UDE-SL1201	12/5/2012	
1245005-03	B122118	Se-B-HNO3-DRC	194			UDE-SL1201	12/5/2012	
1245005-03	B122118	As-B-HNO3-DRC	195			UDE-SL1201	12/5/2012	
1245005-04	B122118	Se-B-HNO3-DRC	196			UDE-SL1201	12/5/2012	
1245005-04	B122118	As-B-HNO3-DRC	197			UDE-SL1201	12/5/2012	
1245005-05	B122118	Se-B-HNO3-DRC	198			UDE-SL1201	12/5/2012	
1245005-05	B122118	As-B-HNO3-DRC	199			UDE-SL1201	12/5/2012	
1245005-06	B122118	Se-B-HNO3-DRC	200			UDE-SL1201	12/5/2012	
1245005-06	B122118	As-B-HNO3-DRC	201			UDE-SL1201	12/5/2012	
1245005-07	B122118	Se-B-HNO3-DRC	202			UDE-SL1201	12/5/2012	
1245005-07	B122118	As-B-HNO3-DRC	203			UDE-SL1201	12/5/2012	
1245005-08	B122118	Se-B-HNO3-DRC	204			UDE-SL1201	12/5/2012	
1245005-08	B122118	As-B-HNO3-DRC	205			UDE-SL1201	12/5/2012	
1200890-CCVG	1200890	QC	206	1244010	-			
1200890-CCBG	1200890	QC	207		-			
B122104-BLK1	B122104	QC	208		-			

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BRL Report 1245005

Brooks Rand Labs

1200890

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B122104-BLK2	B122104	QC	209		-			
B122104-BLK3	B122104	QC	210		-			
B122104-BLK4	B122104	QC	211		-			
B122104-BS1	B122104	QC	212		-			
B122104-SRM1	B122104	QC	213		-			
B122104-SRM2	B122104	QC	214		-			
1200890-CCVH	1200890	QC	215	1244010	-			
1200890-CCBH	1200890	QC	216		-			
1244040-01	B122104	As-S-RARBomb-DRC	217			RTI-AL1201	11/27/2012	
B122104-DUP1	B122104	QC	218		-			
B122104-MS1	B122104	QC	219		-			
B122104-MSD1	B122104	QC	220		-			
1200890-CCVI	1200890	QC	221	1244010	-			
1200890-CCBI	1200890	QC	222		-			

ICP-MS Analysis Benchsheet

Batch No: B122185-2116-2199-2200-2186-
2118**BR-0060 standard / DRC mode (circle one)**

(BRL procedure for the analysis of samples by EPA Methods 1631, 200.8, 6020A, and 1640)

Analyst: TMU Date: 11/28/2012Instrument ID: ICP-MS2 cHNO3 ID: 1237104 cHCl ID: NACalibration recorded in LIMS Int Std: 1214031 SEQ: 1200890

A/S #	Batch	Sample ID	Dilution	Comments
1		warm up		
1		warm up		
1		warm up		
1		SEQ-ICB1		
2		SEQ-CAL1		1244006
3		SEQ-CAL2		1244007
4		SEQ-CAL3		1244008
5		SEQ-CAL4		1244009
6		SEQ-CAL5		1244010
7		SEQ-CAL6		1244011
8		SEQ-CAL7		1244012
9		SEQ-CAL8		1244013
1		SEQ-ICB2		
10		SEQ-ICV1		1244005
1		SEQ-ICB3		
101		SEQ-IBL1		
102		SEQ-IBL2		
103		SEQ-IBL3		
104		SEQ-IBL4		
105		SEQ-SCV1	5x	NIST 1643e 1202032-1215030
5		SEQ-CCV1		1244009
1		SEQ-CCB1		
106	B122185	B122185-BLK1		Shares B/BS B122186
107	B122185	B122185-BLK2		
108	B122185	B122185-BLK3		
109	B122185	B122185-BLK4		
110	B122185	B122185-BS1		
111	B122185	1246017-01RE1	100x	
112	B122185	1246017-02RE1	100x	
113	B122185	B122185-DUP1	100x	1246017-02RE1
114	B122185	B122185-MS1	100x	250uL 1227036 to 5 mL
115	B122185	B122185-MSD1	100x	250uL 1227036 to 5 mL
5		SEQ-CCV2		1244009
1		SEQ-CCB2		
116	B122116	B122116-BLK1		
117	B122116	B122116-BLK2		
118	B122116	B122116-BLK3		
119	B122116	B122116-BLK4		
120	B122116	B122116-BS1		
121	B122116	1245032-01	25x	

122	B122116	B122116-DUP1	25x	1245032-01
123	B122116	B122116-MS1	25x	50uL 1227036 to 5 mL
124	B122116	B122116-MSD1	25x	50uL 1227036 to 5 mL
125	B122116	1245032-02	25x	
5		SEQ-CCV3		1244009
1		SEQ-CCB3		
126	B122116	1245032-03	25x	
127	B122116	1245032-04	25x	
128	B122116	1245032-05	25x	
129	B122116	1245032-06	25x	
130	B122116	1245032-07	25x	
131	B122116	1245032-08	25x	
132	B122116	1245032-09	25x	
133	B122116	1245032-10	1x	
5		SEQ-CCV4		1244009
1		SEQ-CCB4		
134	B122199	B122199-BLK1		shares B/BS B122200
135	B122199	B122199-BLK2		
136	B122199	B122199-BLK3		
137	B122199	B122199-BLK4		
138	B122199	B122199-BS1		
139	B122199	1247018-01	100x	
140	B122199	1247018-02	100x	
141	B122199	1247018-03	100x	
142	B122199	B122199-DUP1	100x	1247018-03
143	B122199	B122199-MS1	100x	250uL 1227036 to 5 mL
144	B122199	B122199-MSD1	100x	250uL 1227036 to 5 mL
5		SEQ-CCV5		1244009
1		SEQ-CCB5		
145	B122199	1247002-01	10x	
146	B122199	1247002-02	10x	
147	B122199	1247002-03	10x	
148	B122199	1247002-04	10x	
149	B122199	1247002-05	10x	
150	B122199	B122199-DUP2	10x	1247002-05
151	B122199	B122199-MS2	10x	25uL 1227036 + 250uL1237009 to 5 mL
152	B122199	B122199-MSD2	10x	
153	B122199	1247002-06	10x	
5		SEQ-CCV6		1244009
1		SEQ-CCB6		
154	B122199	1247002-07	10x	
155	B122199	1247002-08	10x	
156	B122199	1247002-09	10x	
157	B122199	1247002-10	10x	
5		SEQ-CCV7		1244009
1		SEQ-CCB7		
201	B122200	1246011-01	50x	
202	B122200	B122200-DUP1	50x	1246011-01
203	B122200	B122200-MS1	50x	100uL 1237010 to 5 mL
204	B122200	B122200-MSD1	50x	100uL 1237010 to 5 mL
205	B122200	1246011-02	50x	
206	B122200	1246011-03	50x	

207	B122200	B122200-DUP2	50x	1246011-03
208	B122200	B122200-MS2	50x	100uL 1237010 to 5 mL
209	B122200	B122200-MSD2	50x	100uL 1237010 to 5 mL
210	B122200	1246011-04	50x	
5		SEQ-CCV8		1244009
1		SEQ-CCB8		
211	B122200	1246011-05	50x	
212	B122200	B122200-DUP3	50x	1246011-05
213	B122200	B122200-MS3	50x	100uL 1237010 to 5 mL
214	B122200	B122200-MSD3	50x	100uL 1237010 to 5 mL
215	B122200	1246011-06	50x	
216	B122200	1246011-07	50x	
5		SEQ-CCV9		1244009
1		SEQ-CCB9		
217	B122200	1246011-08	50x	
218	B122200	1246011-09	50x	
219	B122200	1246011-10	50x	
220	B122200	1246011-11	50x	
221	B122200	1246011-12	50x	
222	B122200	1246011-13	50x	
223	B122200	1246011-14	50x	
224	B122200	1246011-15	50x	
5		SEQ-CCVA		1244009
1		SEQ-CCBA		
225	B122200	1246011-16	50x	
226	B122200	1246011-17	50x	
227	B122200	1246011-18	50x	
228	B122200	1246011-19	50x	
229	B122200	1246011-20	50x	
230	B122200	1246011-21	50x	
231	B122200	1246011-22	50x	
6		SEQ-CCVB		1244010
1		SEQ-CCBB		
232	B122186	1245036-01RE1	10x	
233	B122186	B122186-DUP1	10x	1245036-01
234	B122186	B122186-MS1	10x	50uL 1227036 to 5 mL
235	B122186	B122186-MSD1	10x	50uL 1227036 to 5 mL
236	B122186	1245037-01RE1	10x	
237	B122186	B122186-DUP2	10x	1245037-01
238	B122186	B122186-MS2	10x	50uL 1227036 to 5 mL
239	B122186	B122186-MSD2	10x	50uL 1227036 to 5 mL
240	B122186	1245038-01RE1	10x	
6		SEQ-CCVC		1244010
1		SEQ-CCBC		
241	B122186	1245039-01RE1	10x	
242	B122186	1245040-01RE1	10x	<i>Rh recovers at 51%</i>
243	B122186	1245041-01RE1	10x	
244	B122186	1245042-01RE1	10x	<i>Rh recovers at 58% 59% Feb 11/29/12</i>
245	B122186	1245043-01RE1	10x	
246	B122186	1245043-03RE1	10x	
247	B122186	1245043-05RE1	10x	
248	B122186	1245043-07RE1	10x	

6		SEQ-CCVD		1244010
1		SEQ-CCBD		
301	B122118	B122118-BLK1	10x	
302	B122118	B122118-BLK2	10x	
303	B122118	B122118-BLK3	10x	
304	B122118	B122118-BLK4	10x	
305	B122118	B122118-BS1	10x	
306	B122118	B122118-SRM1	10x	
307	B122118	B122118-SRM2	10x	
6		SEQ-CCVE		1244010
1		SEQ-CCBE		
308	B122118	1246025-04	10x	
309	B122118	B122118-DUP1	10x	
310	B122118	B122118-MS1	10x	
311	B122118	B122118-MSD1	10x	
312	B122118	1246025-05	10x	
313	B122118	1246025-06	10x	
314	B122118	1245005-01	10x	
315	B122118	B122118-DUP2	10x	
316	B122118	B122118-MS2	10x	
317	B122118	B122118-MSD2	10x	
6		SEQ-CCVF		1244010
1		SEQ-CCBF		
318	B122118	1245005-02	10x	
319	B122118	1245005-03	10x	
320	B122118	1245005-04	10x	
321	B122118	1245005-05	10x	
322	B122118	1245005-06	10x	
323	B122118	1245005-07	10x	
324	B122118	1245005-08	10x	
6		SEQ-CCVG		1244010
1		SEQ-CCBG		
325	B122104	B122104-BLK1	50x	
326	B122104	B122104-BLK2	50x	
327	B122104	B122104-BLK3	50x	
328	B122104	B122104-BLK4	50x	
329	B122104	B122104-BS1	50x	
330	B122104	B122104-SRM1	50x	
331	B122104	B122104-SRM2	50x	
6		SEQ-CCVH		1244010
1		SEQ-CCBH		
332	B122104	1244040-01	50x	
333	B122104	B122104-DUP1	50x	
334	B122104	B122104-MS1	50x	
335	B122104	B122104-MSD1	50x	
6		SEQ-CCVI		1244010
1		SEQ-CCBI		
434		rinse		
434		rinse		
434		rinse		
434		rinse		

B122118, 2119, 2159
biota

Samples spiked:

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	8.000	40.000	0.4000	1000	1148020
Cd	0.500	2.500	0.2500	100	1240024
Cr DRC	1.200	6.000	0.6000	100	1227008
Cu	10.000	50.000	0.5000	1000	1226016
Pb	1.000	5.000	0.5000	100	1227019
Se DRC	2.000	10.000	0.1000	1000	1148021
Tl	0.100	0.500	0.5000 0.050	100	1240030

Spike mix ID:

1248007

Add 7.15mL 2% HNO3

Sample Information

Report Title: QUANTITATIVE ANALYSIS REPORT

Batch ID:

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

Tuning File: C:\Elandata\Tuning\Default.tun

Optimization File: C:\Elandata\Optimize\Default.dac

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Calibration Type: External Calibration

Calibration

Analyte	MassCurve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
AsO	91Weighted Linear	0.005	-0.000	0.998462	0.025000
Se	78Weighted Linear	0.001	0.000	0.997109	0.050000
Se	77Weighted Linear	0.000	0.000	0.996843	0.050000
Rh	103Weighted Linear				
Br	79Weighted Linear				
Cl	35Weighted Linear				
C	13Weighted Linear				

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB1

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 15:24:13

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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		3	2	62.4			ug/L
Se	78		3	1	33.1			ug/L
Se	77		1	0	15.7			ug/L
Rh	103		176958	3952	2.2			ug/L
Br	79		4	4	91.7			ug/L
Cl	35		331	29	8.8			ug/L
C	13		1716	44	2.5			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: Wednesday, November 28, 2012 15:25:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 2

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CAL1.094

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	21	2	7.4	0.000099	0.0241	ug/L
Se	78	3	8	1	6.7	0.000028	0.0463	ug/L
Se	77	1	3	1	17.8	0.000011	0.0536	ug/L
Rh	103	176958	176001	2095	1.2	176000.852496		ug/L
Br	79	4	3	4	114.6	-0.833334		ug/L
Cl	35	331	320	42	13.0	-10.833688		ug/L
C	13	1716	1608	73	4.6	-107.519529		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: Wednesday, November 28, 2012 15:27:10

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 3

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CAL2.095

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	46	4	8.2	0.000241	0.0539	ug/L
Se	78	3	14	1	7.5	0.000066	0.1157	ug/L
Se	77	1	4	0	10.0	0.000016	0.0839	ug/L
Rh	103	176958	178325	1609	0.9	178324.586235		ug/L
Br	79	4	5	7	132.3	0.833335		ug/L
Cl	35	331	350	20	5.6	19.167368		ug/L
C	13	1716	1585	37	2.4	-130.857108		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: Wednesday, November 28, 2012 15:28:39

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 4

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CAL3.096

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	209	1	0.3	0.001150	0.2438	ug/L
Se	78	3	27	1	5.3	0.000137	0.2457	ug/L
Se	77	1	9	1	7.3	0.000045	0.2616	ug/L
Rh	103	176958	178509	698	0.4	178508.909681		ug/L
Br	79	4	3	3	100.0	-1.666668		ug/L
Cl	35	331	320	24	7.5	-10.833731		ug/L
C	13	1716	1605	32	2.0	-110.853612		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: Wednesday, November 28, 2012 15:30:07

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CAL4.097

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	882	40	4.5	0.004974	1.0427	ug/L
Se	78	3	99	6	5.7	0.000547	0.9997	ug/L
Se	77	1	30	2	5.1	0.000163	0.9835	ug/L
Rh	103	176958	176701	1495	0.8	176700.825781		ug/L
Br	79	4	3	1	43.3	-0.833334		ug/L
Cl	35	331	313	26	8.4	-18.333987		ug/L
C	13	1716	1516	98	6.4	-200.035274		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: Wednesday, November 28, 2012 15:31:36

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CAL5.098

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4322	50	1.2	0.024389	5.0993	ug/L
Se	78	3	466	10	2.2	0.002615	4.7949	ug/L
Se	77	1	152	7	4.7	0.000852	5.2188	ug/L
Rh	103	176958	177094	2321	1.3	177094.317954		ug/L
Br	79	4	3	3	100.0	-1.666668		ug/L
Cl	35	331	354	32	8.9	23.334218		ug/L
C	13	1716	1634	52	3.2	-81.681686		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: Wednesday, November 28, 2012 15:33:04

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 7

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CAL6.099

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	21675	164	0.8	0.121341	25.3568	ug/L
Se	78	3	2423	29	1.2	0.013555	24.8727	ug/L
Se	77	1	733	9	1.2	0.004098	25.1747	ug/L
Rh	103	176958	178611	2311	1.3	178611.059660		ug/L
Br	79	4	3	1	43.3	-0.833334		ug/L
Cl	35	331	326	38	11.6	-5.000159		ug/L
C	13	1716	1668	116	6.9	-47.508422		ug/L

Int Std % Recovery

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

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL7

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 15:34:33

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 8

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CAL7.100

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	105918	800	0.8	0.595880	124.5084	ug/L
Se	78	3	11897	58	0.5	0.066915	122.8072	ug/L
Se	77	1	3608	30	0.8	0.020294	124.7362	ug/L
Rh	103	176958	177759	1304	0.7	177758.631333		ug/L
Br	79	4	7	5	78.1	2.500002		ug/L
Cl	35	331	329	16	4.9	-1.666748		ug/L
C	13	1716	1568	31	2.0	-147.526681		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: Wednesday, November 28, 2012 15:36:01

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 9

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CAL8.101

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	388148	647	0.2	2.182373	455.9945	ug/L
Se	78	3	48393	206	0.4	0.272083	499.3582	ug/L
Se	77	1	14623	100	0.7	0.082215	505.3833	ug/L
Rh	103	176958	177877	2451	1.4	177876.897777		ug/L
Br	79	4	13	3	21.7	9.166675		ug/L
Cl	35	331	324	19	6.0	-6.666924		ug/L
C	13	1716	1589	48	3.0	-126.689682		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: Wednesday, November 28, 2012 15:41:56

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB2.102

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	51	8	15.3	0.000267	0.0593	ug/L
Se	78	3	26	1	2.8	0.000128	0.2305	ug/L
Se	77	1	7	1	11.0	0.000034	0.1901	ug/L
Rh	103	176958	178366	92	0.1	178366.130868		ug/L
Br	79	4	3	0	0.0	-1.666668		ug/L
Cl	35	331	327	12	3.8	-4.166843		ug/L
C	13	1716	1539	45	2.9	-176.698294		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.796
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: Wednesday, November 28, 2012 15:43:25

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 10

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICV1.103

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	3919	56	1.4	0.022230	4.6483	ug/L
Se	78	3	988	16	1.6	0.005592	10.2579	ug/L
Se	77	1	303	12	3.9	0.001715	10.5263	ug/L
Rh	103	176958	176156	410	0.2	176156.167158		ug/L
Br	79	4	3	4	114.6	-0.833334		ug/L
Cl	35	331	320	30	9.5	-10.833718		ug/L
C	13	1716	1573	111	7.0	-143.358882		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.547
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: Wednesday, November 28, 2012 15:45:17

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB3.104

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	17	4	21.2	0.000077	0.0195	ug/L
Se	78	3	12	1	11.6	0.000051	0.0894	ug/L
Se	77	1	3	0	9.1	0.000013	0.0614	ug/L
Rh	103	176958	177551	788	0.4	177551.265837		ug/L
Br	79	4	3	0	0.0	-1.666668		ug/L
Cl	35	331	362	20	5.5	30.834492		ug/L
C	13	1716	1579	65	4.1	-136.691355		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.335
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: Wednesday, November 28, 2012 15:46:46

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 101

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-IBL1.105

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	13	2	15.6	0.000055	0.0150	ug/L
Se	78	3	9	2	25.1	0.000033	0.0552	ug/L
Se	77	1	3	1	45.8	0.000009	0.0368	ug/L
Rh	103	176958	179757	2913	1.6	179756.757491		ug/L
Br	79	4	3	3	100.0	-1.666668		ug/L
Cl	35	331	355	28	7.9	24.167577		ug/L
C	13	1716	1503	91	6.1	-213.370865		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	101.582
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: Wednesday, November 28, 2012 15:48:15

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 102

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-IBL2.106

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	12	3	27.6	0.000048	0.0134	ug/L
Se	78	3	9	1	6.4	0.000036	0.0609	ug/L
Se	77	1	3	1	30.0	0.000009	0.0385	ug/L
Rh	103	176958	176295	3588	2.0	176295.107833		ug/L
Br	79	4	3	1	43.3	-0.833334		ug/L
Cl	35	331	327	8	2.3	-4.166846		ug/L
C	13	1716	1631	66	4.0	-85.015558		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.625
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: Wednesday, November 28, 2012 15:49:43

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 103

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-IBL3.107

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	10	5	45.8	0.000037	0.0112	ug/L
Se	78	3	9	2	18.8	0.000033	0.0554	ug/L
Se	77	1	2	0	6.7	0.000007	0.0264	ug/L
Rh	103	176958	178336	1986	1.1	178335.682327		ug/L
Br	79	4	4	3	69.3	-0.000000		ug/L
Cl	35	331	341	15	4.5	10.000347		ug/L
C	13	1716	1692	38	2.3	-24.171213		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.779
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: Wednesday, November 28, 2012 15:51:12

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 104

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-IBL4.108

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	9	3	32.7	0.000034	0.0105	ug/L
Se	78	3	6	1	18.1	0.000019	0.0301	ug/L
Se	77	1	2	1	48.0	0.000007	0.0265	ug/L
Rh	103	176958	177618	1178	0.7	177618.419259		ug/L
Br	79	4	3	4	114.6	-0.833334		ug/L
Cl	35	331	329	29	8.8	-1.666727		ug/L
C	13	1716	1513	15	1.0	-203.369503		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.373
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: Wednesday, November 28, 2012 15:52:40

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 105

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-SCV1.109

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	9685	69	0.7	0.055581	58.0837	ug/L
Se	78	3	245	6	2.3	0.001389	12.7203	ug/L
Se	77	1	75	1	0.9	0.000423	12.9041	ug/L
Rh	103	176958	174194	669	0.4	174193.905307		ug/L
Br	79	4	3	3	86.6	-0.833334		ug/L
Cl	35	331	347	19	5.5	15.833906		ug/L
C	13	1716	1587	63	3.9	-129.190058		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	98.438
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: Wednesday, November 28, 2012 15:54:10

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCV1.110

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	915	24	2.7	0.005068	1.0624	ug/L
Se	78	3	110	3	3.1	0.000596	1.0897	ug/L
Se	77	1	32	2	6.3	0.000175	1.0590	ug/L
Rh	103	176958	179923	2112	1.2	179923.191784		ug/L
Br	79	4	3	3	100.0	-1.666668		ug/L
Cl	35	331	358	20	5.6	26.667660		ug/L
C	13	1716	1677	38	2.3	-39.173993		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	101.676
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: Wednesday, November 28, 2012 15:55:40

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCB1.111

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	10	1	10.0	0.000037	0.0112	ug/L
Se	78	3	6	1	8.4	0.000020	0.0312	ug/L
Se	77	1	2	1	67.6	0.000004	0.0088	ug/L
Rh	103	176958	178978	1672	0.9	178978.082315		ug/L
Br	79	4	2	1	86.6	-2.500001		ug/L
Cl	35	331	343	17	4.8	12.500443		ug/L
C	13	1716	1582	82	5.2	-134.190827		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	101.142
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122185-BLK1

Sample Description:

Batch ID: B122185

Sample Date/Time: Wednesday, November 28, 2012 16:05:45

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 106

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122185-BLK1.112

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	7	2	24.7	0.000020	0.0077	ug/L
Se	78	3	5	3	49.3	0.000013	0.0186	ug/L
Se	77	1	2	0	7.5	0.000005	0.0174	ug/L
Rh	103	176958	179499	924	0.5	179498.966557		ug/L
Br	79	4	3	3	86.6	-0.833334		ug/L
Cl	35	331	322	14	4.3	-9.167019		ug/L
C	13	1716	1590	99	6.2	-125.855926		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	101.436
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122185-BLK2

Sample Description:

Batch ID: B122185

Sample Date/Time: Wednesday, November 28, 2012 16:07:13

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 107

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122185-BLK2.113

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4	3	58.1	0.000006	0.0047	ug/L
Se	78	3	5	1	13.2	0.000013	0.0183	ug/L
Se	77	1	2	0	19.9	0.000006	0.0182	ug/L
Rh	103	176958	177132	782	0.4	177131.529060		ug/L
Br	79	4	9	4	41.7	5.000004		ug/L
Cl	35	331	336	11	3.4	5.000157		ug/L
C	13	1716	1584	89	5.6	-131.690345		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.098
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122185-BLK3

Sample Description:

Batch ID: B122185

Sample Date/Time: Wednesday, November 28, 2012 16:08:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 108

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122185-BLK3.114

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4	1	15.7	0.000002	0.0039	ug/L
Se	78	3	3	1	25.9	0.000004	0.0029	ug/L
Se	77	1	2	1	37.8	0.000005	0.0129	ug/L
Rh	103	176958	175434	1782	1.0	175434.179473		ug/L
Br	79	4	6	1	24.7	1.666667		ug/L
Cl	35	331	322	9	2.9	-9.167023		ug/L
C	13	1716	1642	109	6.6	-74.179999		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.139
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122185-BLK4

Sample Description:

Batch ID: B122185

Sample Date/Time: Wednesday, November 28, 2012 16:10:10

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 109

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122185-BLK4.115

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	2	1	24.7	-0.000006	0.0023	ug/L
Se	78	3	4	0	4.0	0.000005	0.0033	ug/L
Se	77	1	2	0	16.7	0.000003	0.0035	ug/L
Rh	103	176958	178258	883	0.5	178258.239498		ug/L
Br	79	4	4	1	34.6	-0.000000		ug/L
Cl	35	331	333	18	5.4	2.500073		ug/L
C	13	1716	1576	56	3.6	-140.025302		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.735
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122185-BS1

Sample Description:

Batch ID: B122185

Sample Date/Time: Wednesday, November 28, 2012 16:11:39

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 110

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122185-BS1.116

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	3250	67	2.0	0.018270	3.8208	ug/L
Se	78	3	403	14	3.4	0.002254	4.1324	ug/L
Se	77	1	127	9	6.9	0.000710	4.3462	ug/L
Rh	103	176958	177700	2142	1.2	177700.106553		ug/L
Br	79	4	8	7	88.2	3.333337		ug/L
Cl	35	331	308	3	0.8	-23.334183		ug/L
C	13	1716	1597	40	2.5	-119.188390		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.419
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246017-01RE1

Sample Description: 100x

Batch ID: B122185

Sample Date/Time: Wednesday, November 28, 2012 16:13:07

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.05

Autosampler Position: 111

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246017-01RE1.117

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	113	15	13.5	0.000625	13.4030	ug/L
Se	78	3	7	2	25.2	0.000024	3.8766	ug/L
Se	77	1	2	1	31.2	0.000004	1.0015	ug/L
Rh	103	176958	175309	2741	1.6	175309.462519		ug/L
Br	79	4	6	4	65.5	1.666668		ug/L
Cl	35	331	301	44	14.6	-30.001002		ug/L
C	13	1716	1597	95	5.9	-119.188122		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.068
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246017-02RE1

Sample Description: 100x

Batch ID: B122185

Sample Date/Time: Wednesday, November 28, 2012 16:14:36

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.05

Autosampler Position: 112

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246017-02RE1.118

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	137	5	3.7	0.000754	16.1114	ug/L
Se	78	3	4	2	36.4	0.000008	1.0513	ug/L
Se	77	1	2	0	6.2	0.000008	3.2863	ug/L
Rh	103	176958	176798	2072	1.2	176797.756518		ug/L
Br	79	4	3	1	43.3	-0.833334		ug/L
Cl	35	331	328	12	3.5	-2.500117		ug/L
C	13	1716	1584	77	4.9	-131.690419		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.910
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122185-DUP1

Sample Description: 100x

Batch ID: B122185

Sample Date/Time: Wednesday, November 28, 2012 16:16:05

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.05

Autosampler Position: 113

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122185-DUP1.119

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	171	5	2.8	0.000941	20.0053	ug/L
Se	78	3	3	1	30.8	0.000003	0.0463	ug/L
Se	77	1	2	0	14.3	0.000005	1.1955	ug/L
Rh	103	176958	178582	1929	1.1	178582.108276		ug/L
Br	79	4	2	1	86.6	-2.500001		ug/L
Cl	35	331	312	36	11.7	-19.167326		ug/L
C	13	1716	1654	75	4.5	-61.677961		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.918
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122185-MS1

Sample Description: 100x

Batch ID: B122185

Sample Date/Time: Wednesday, November 28, 2012 16:17:33

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.05

Autosampler Position: 114

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122185-MS1.120

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4599	146	3.2	0.026540	554.8755	ug/L
Se	78	3	4	2	44.3	0.000009	1.0880	ug/L
Se	77	1	2	0	22.9	0.000004	1.0864	ug/L
Rh	103	176958	173210	1916	1.1	173210.495818		ug/L
Br	79	4	3	1	43.3	-0.833334		ug/L
Cl	35	331	354	19	5.3	23.334195		ug/L
C	13	1716	1648	114	6.9	-68.345567		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	97.882
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122185-MSD1
Sample Description: 100x
Batch ID: B122185

Sample Date/Time: Wednesday, November 28, 2012 16:19:02
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.05
 Autosampler Position: 115

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122185-MSD1.121
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4654	20	0.4	0.026546	555.0002	ug/L
Se	78	3	5	1	31.5	0.000012	1.6083	ug/L
Se	77	1	1	0	34.6	0.000002	-0.4543	ug/L
Rh	103	176958	175205	2311	1.3	175204.898067		ug/L
Br	79	4	3	1	43.3	-0.833334		ug/L
Cl	35	331	347	29	8.4	15.833923		ug/L
C	13	1716	1674	16	0.9	-41.674497		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.009
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: Wednesday, November 28, 2012 16:21:51

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCV2.122

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	845	26	3.0	0.004815	1.0095	ug/L
Se	78	3	98	4	4.5	0.000547	0.9990	ug/L
Se	77	1	29	1	3.9	0.000162	0.9801	ug/L
Rh	103	176958	174925	2364	1.4	174924.585907		ug/L
Br	79	4	6	1	24.7	1.666667		ug/L
Cl	35	331	334	24	7.2	3.333446		ug/L
C	13	1716	1660	115	6.9	-55.843288		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	98.851
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: Wednesday, November 28, 2012 16:23:20

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCB2.123

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	6	3	44.1	0.000015	0.0067	ug/L
Se	78	3	4	1	23.4	0.000009	0.0110	ug/L
Se	77	1	1	1	47.2	0.000002	-0.0014	ug/L
Rh	103	176958	174960	185	0.1	174960.060880		ug/L
Br	79	4	6	4	65.5	1.666668		ug/L
Cl	35	331	309	4	1.2	-21.667460		ug/L
C	13	1716	1617	53	3.2	-99.184814		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	98.871
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122116-BLK1

Sample Description:

Batch ID: B122116

Sample Date/Time: Wednesday, November 28, 2012 16:24:56

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 116

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122116-BLK1.124

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	5	1	20.0	0.000007	0.0050	ug/L
Se	78	3	4	1	36.0	0.000004	0.0022	ug/L
Se	77	1	1	0	41.7	-0.000000	-0.0192	ug/L
Rh	103	176958	192619	5068	2.6	192619.308176		ug/L
Br	79	4	5	0	0.0	0.833333		ug/L
Cl	35	331	363	38	10.4	32.501263		ug/L
C	13	1716	1975	159	8.1	259.220144		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	108.850
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122116-BLK2

Sample Description:

Batch ID: B122116

Sample Date/Time: Wednesday, November 28, 2012 16:26:25

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 117

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122116-BLK2.125

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4	3	66.6	0.000005	0.0045	ug/L
Se	78	3	3	0	8.6	0.000003	-0.0004	ug/L
Se	77	1	2	1	37.7	0.000004	0.0072	ug/L
Rh	103	176958	184446	835	0.5	184445.678713		ug/L
Br	79	4	0	0		-4.166668		ug/L
Cl	35	331	364	28	7.7	33.334606		ug/L
C	13	1716	1995	72	3.6	279.223773		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	104.231
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122116-BLK3

Sample Description:

Batch ID: B122116

Sample Date/Time: Wednesday, November 28, 2012 16:27:53

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 118

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122116-BLK3.126

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	6	3	44.1	0.000013	0.0062	ug/L
Se	78	3	3	1	33.9	0.000003	-0.0003	ug/L
Se	77	1	1	1	52.9	0.000001	-0.0075	ug/L
Rh	103	176958	188631	2536	1.3	188631.297732		ug/L
Br	79	4	3	0	0.0	-1.666668		ug/L
Cl	35	331	360	9	2.5	29.167747		ug/L
C	13	1716	1756	84	4.8	40.007826		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	106.597
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122116-BLK4

Sample Description:

Batch ID: B122116

Sample Date/Time: Wednesday, November 28, 2012 16:29:22

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 119

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122116-BLK4.127

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	5	2	28.6	0.000009	0.0054	ug/L
Se	78	3	4	2	44.7	0.000005	0.0037	ug/L
Se	77	1	1	1	48.0	0.000001	-0.0131	ug/L
Rh	103	176958	189065	483	0.3	189064.947195		ug/L
Br	79	4	3	3	100.0	-1.666668		ug/L
Cl	35	331	322	34	10.6	-9.166984		ug/L
C	13	1716	1820	44	2.4	104.186927		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	106.842
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122116-BS1

Sample Description:

Batch ID: B122116

Sample Date/Time: Wednesday, November 28, 2012 16:30:50

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 120

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122116-BS1.128

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	3789	66	1.7	0.020158	4.2154	ug/L
Se	78	3	470	7	1.5	0.002487	4.5603	ug/L
Se	77	1	142	10	6.9	0.000753	4.6112	ug/L
Rh	103	176958	187817	3363	1.8	187816.526556		ug/L
Br	79	4	3	4	114.6	-0.833334		ug/L
Cl	35	331	378	38	10.0	47.501875		ug/L
C	13	1716	1940	52	2.7	224.211776		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	106.136
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-01

Sample Description: 25x

Batch ID: B122116

Sample Date/Time: Wednesday, November 28, 2012 16:32:19

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 121

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245032-01.129

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	421	31	7.3	0.002500	13.1468	ug/L
Se	78	3	12	4	36.9	0.000054	2.3518	ug/L
Se	77	1	4	1	31.1	0.000016	2.0092	ug/L
Rh	103	176958	167557	4619	2.8	167557.480393		ug/L
Br	79	4	162	20	12.4	157.501451		ug/L
Cl	35	331	373	11	3.0	42.501620		ug/L
C	13	1716	1630	33	2.0	-85.849162		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	94.688
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122116-DUP1

Sample Description: 25x

Batch ID: B122116

Sample Date/Time: Wednesday, November 28, 2012 16:33:48

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 122

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122116-DUP1.130

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	440	26	6.0	0.002504	13.1645	ug/L
Se	78	3	2	1	26.0	-0.000002	-0.2049	ug/L
Se	77	1	1	0	24.7	0.000002	-0.1792	ug/L
Rh	103	176958	174462	1956	1.1	174461.585889		ug/L
Br	79	4	198	5	2.5	193.335478		ug/L
Cl	35	331	380	19	5.0	49.168571		ug/L
C	13	1716	1661	49	2.9	-55.010199		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	98.589
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122116-MS1

Sample Description: 25x

Batch ID: B122116

Sample Date/Time: Wednesday, November 28, 2012 16:35:16

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 123

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122116-MS1.131

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	1254	32	2.6	0.007134	37.3498	ug/L
Se	78	3	3	1	26.3	0.000004	0.0733	ug/L
Se	77	1	2	1	31.2	0.000004	0.2534	ug/L
Rh	103	176958	175292	789	0.4	175292.222600		ug/L
Br	79	4	178	9	4.9	173.335067		ug/L
Cl	35	331	356	26	7.2	25.000938		ug/L
C	13	1716	1645	34	2.0	-70.846457		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.059
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122116-MSD1

Sample Description: 25x

Batch ID: B122116

Sample Date/Time: Wednesday, November 28, 2012 16:36:45

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 124

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122116-MSD1.132

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	1218	34	2.8	0.006633	34.7324	ug/L
Se	78	3	4	1	29.3	0.000006	0.1615	ug/L
Se	77	1	2	2	86.9	0.000004	0.2717	ug/L
Rh	103	176958	183159	3046	1.7	183158.685985		ug/L
Br	79	4	180	9	4.8	175.835117		ug/L
Cl	35	331	338	3	0.7	6.666881		ug/L
C	13	1716	1697	153	9.0	-19.169477		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	103.504
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-02

Sample Description: 25x

Batch ID: B122116

Sample Date/Time: Wednesday, November 28, 2012 16:38:13

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 125

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245032-02.133

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	187	7	3.7	0.001001	5.3145	ug/L
Se	78	3	4	1	24.6	0.000007	0.2062	ug/L
Se	77	1	1	1	43.3	0.000002	-0.0888	ug/L
Rh	103	176958	183508	4174	2.3	183507.573226		ug/L
Br	79	4	85	13	15.3	80.833735		ug/L
Cl	35	331	384	35	9.1	53.335445		ug/L
C	13	1716	1607	93	5.8	-109.186369		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	103.701
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV3

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 16:39:43

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCV3.134

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	911	37	4.1	0.004892	1.0256	ug/L
Se	78	3	104	5	4.7	0.000543	0.9907	ug/L
Se	77	1	32	4	11.1	0.000167	1.0116	ug/L
Rh	103	176958	185601	617	0.3	185601.333783		ug/L
Br	79	4	3	1	43.3	-0.833334		ug/L
Cl	35	331	329	14	4.2	-1.666751		ug/L
C	13	1716	1642	140	8.6	-74.179712		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	104.884
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB3

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 16:41:13

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCB3.135

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	6	4	66.8	0.000012	0.0059	ug/L
Se	78	3	3	1	25.4	0.000001	-0.0023	ug/L
Se	77	1	2	1	37.5	0.000006	0.0180	ug/L
Rh	103	176958	185021	1951	1.1	185021.480743		ug/L
Br	79	4	2	1	86.6	-2.500001		ug/L
Cl	35	331	331	23	6.9	-0.000012		ug/L
C	13	1716	1620	43	2.6	-95.850922		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	104.557
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-03

Sample Description: 25x

Batch ID: B122116

Sample Date/Time: Wednesday, November 28, 2012 16:42:43

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 126

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245032-03.136

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	1186	30	2.6	0.006525	34.1701	ug/L
Se	78	3	4	1	17.7	0.000008	0.2581	ug/L
Se	77	1	2	1	57.1	0.000004	0.2770	ug/L
Rh	103	176958	181274	2981	1.6	181273.955268		ug/L
Br	79	4	438	71	16.2	434.177418		ug/L
Cl	35	331	346	23	6.6	15.000546		ug/L
C	13	1716	1719	98	5.7	3.334246		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	102.439
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-04

Sample Description: 25x

Batch ID: B122116

Sample Date/Time: Wednesday, November 28, 2012 16:44:12

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 127

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245032-04.137

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4767	44	0.9	0.026516	138.5967	ug/L
Se	78	3	4	2	44.3	0.000007	0.2019	ug/L
Se	77	1	1	1	75.3	0.000001	-0.2159	ug/L
Rh	103	176958	179681	2633	1.5	179681.061049		ug/L
Br	79	4	49	6	11.7	45.000133		ug/L
Cl	35	331	359	45	12.5	28.334452		ug/L
C	13	1716	1725	40	2.3	9.168391		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	101.539
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-05

Sample Description: 25x

Batch ID: B122116

Sample Date/Time: Wednesday, November 28, 2012 16:45:40

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 128

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245032-05.138

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	156	10	6.4	0.000841	4.4826	ug/L
Se	78	3	4	2	43.7	0.000007	0.1953	ug/L
Se	77	1	1	1	75.0	0.000000	-0.3617	ug/L
Rh	103	176958	180878	1775	1.0	180878.490272		ug/L
Br	79	4	48	7	13.9	43.333458		ug/L
Cl	35	331	361	42	11.6	30.001175		ug/L
C	13	1716	1699	27	1.6	-16.669841		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	102.216
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-06

Sample Description: 25x

Batch ID: B122116

Sample Date/Time: Wednesday, November 28, 2012 16:47:09

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 129

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245032-06.139

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	10694	19	0.2	0.058441	305.3590	ug/L
Se	78	3	3	0	11.5	0.000003	-0.0028	ug/L
Se	77	1	1	1	52.9	0.000002	-0.1543	ug/L
Rh	103	176958	182955	2861	1.6	182954.598849		ug/L
Br	79	4	103	9	8.4	98.333912		ug/L
Cl	35	331	357	3	0.8	25.834280		ug/L
C	13	1716	1573	64	4.1	-142.525703		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	103.389
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-07
Sample Description: 25x
Batch ID: B122116

Sample Date/Time: Wednesday, November 28, 2012 16:48:37
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.2
 Autosampler Position: 130

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245032-07.140
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	10047	87	0.9	0.054211	283.2634	ug/L
Se	78	3	5	2	37.9	0.000012	0.4427	ug/L
Se	77	1	2	1	37.8	0.000004	0.2393	ug/L
Rh	103	176958	185307	2872	1.6	185307.374132		ug/L
Br	79	4	96	26	27.4	91.667196		ug/L
Cl	35	331	376	33	8.9	45.001759		ug/L
C	13	1716	1633	119	7.3	-82.514748		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	104.718
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-08
Sample Description: 25x
Batch ID: B122116

Sample Date/Time: Wednesday, November 28, 2012 16:50:06
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.2
 Autosampler Position: 131

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245032-08.141
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	1554	32	2.1	0.010341	54.1019	ug/L
Se	78	3	4	0	6.8	0.000012	0.4272	ug/L
Se	77	1	2	0	21.7	0.000008	0.8399	ug/L
Rh	103	176958	150057	782	0.5	150056.652854		ug/L
Br	79	4	134	7	5.4	130.000990		ug/L
Cl	35	331	317	12	3.9	-14.167196		ug/L
C	13	1716	1678	20	1.2	-38.340545		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	84.798
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-09

Sample Description: 25x

Batch ID: B122116

Sample Date/Time: Wednesday, November 28, 2012 16:51:34

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 132

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245032-09.142

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	1950	66	3.4	0.013999	73.2098	ug/L
Se	78	3	5	1	25.6	0.000020	0.7980	ug/L
Se	77	1	2	0	13.9	0.000010	1.0962	ug/L
Rh	103	176958	139105	1418	1.0	139105.425642		ug/L
Br	79	4	204	30	14.7	200.002324		ug/L
Cl	35	331	321	36	11.4	-10.000341		ug/L
C	13	1716	1723	65	3.8	7.501505		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	78.609
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245032-10

Sample Description: 1x

Batch ID: B122116

Sample Date/Time: Wednesday, November 28, 2012 16:53:03

Diluted To Volume (mL): 1.00

Aliquot Volume (mL): 1

Autosampler Position: 133

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245032-10.143

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	6	3	50.0	0.000013	0.0062	ug/L
Se	78	3	4	1	28.2	0.000004	0.0014	ug/L
Se	77	1	1	1	53.9	0.000002	-0.0023	ug/L
Rh	103	176958	187761	4703	2.5	187760.776954		ug/L
Br	79	4	6	1	24.7	1.666667		ug/L
Cl	35	331	380	20	5.2	49.168573		ug/L
C	13	1716	2023	181	8.9	306.730861		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	106.105
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV4

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 16:54:34

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCV4.144

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	835	38	4.6	0.005029	1.0543	ug/L
Se	78	3	100	4	4.4	0.000587	1.0727	ug/L
Se	77	1	28	1	4.1	0.000167	1.0084	ug/L
Rh	103	176958	165359	2788	1.7	165358.953506		ug/L
Br	79	4	2	1	86.6	-2.500001		ug/L
Cl	35	331	328	39	11.9	-3.333429		ug/L
C	13	1716	1671	155	9.3	-45.007570		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	93.445
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB4

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 16:56:04

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCB4.145

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	6	1	16.7	0.000016	0.0069	ug/L
Se	78	3	4	2	43.8	0.000007	0.0078	ug/L
Se	77	1	1	0	24.7	0.000002	-0.0062	ug/L
Rh	103	176958	170186	1179	0.7	170185.752708		ug/L
Br	79	4	4	3	69.3	-0.000000		ug/L
Cl	35	331	350	4	1.2	19.167354		ug/L
C	13	1716	1693	64	3.8	-22.504141		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	96.173
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122199-BLK1

Sample Description:

Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 16:57:34

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 134

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122199-BLK1.146

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4	1	15.7	0.000001	0.0037	ug/L
Se	78	3	4	1	36.1	0.000005	0.0049	ug/L
Se	77	1	2	1	59.8	0.000003	0.0049	ug/L
Rh	103	176958	182984	1216	0.7	182984.111980		ug/L
Br	79	4	5	4	86.6	0.833334		ug/L
Cl	35	331	333	18	5.5	2.500073		ug/L
C	13	1716	1832	23	1.3	115.855887		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	103.405
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122199-BLK2

Sample Description:

Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 16:59:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 135

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122199-BLK2.147

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	5	5	101.3	0.000007	0.0050	ug/L
Se	78	3	4	1	24.3	0.000005	0.0044	ug/L
Se	77	1	1	0	25.0	0.000000	-0.0134	ug/L
Rh	103	176958	176511	1877	1.1	176510.562017		ug/L
Br	79	4	3	1	43.3	-0.833334		ug/L
Cl	35	331	353	27	7.6	22.500843		ug/L
C	13	1716	1737	41	2.3	20.837280		ug/L

Int Std % Recovery

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

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122199-BLK3

Sample Description:

Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:00:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 136

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122199-BLK3.148

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	3	2	57.3	-0.000004	0.0027	ug/L
Se	78	3	4	0	13.1	0.000006	0.0056	ug/L
Se	77	1	2	1	37.7	0.000004	0.0099	ug/L
Rh	103	176958	175779	874	0.5	175778.992272		ug/L
Br	79	4	4	4	91.7	0.000000		ug/L
Cl	35	331	358	26	7.4	27.501037		ug/L
C	13	1716	1671	98	5.8	-45.008103		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.334
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122199-BLK4

Sample Description:

Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:02:00

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 137

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122199-BLK4.149

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	2	1	50.0	-0.000008	0.0019	ug/L
Se	78	3	3	1	30.4	0.000003	0.0007	ug/L
Se	77	1	1	0	45.8	-0.000000	-0.0194	ug/L
Rh	103	176958	177418	710	0.4	177417.861476		ug/L
Br	79	4	4	3	69.3	-0.000000		ug/L
Cl	35	331	338	29	8.5	6.666911		ug/L
C	13	1716	1668	33	2.0	-48.342359		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.260
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122199-BS1

Sample Description:

Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:03:29

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 138

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122199-BS1.150

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	3060	39	1.3	0.017674	3.6963	ug/L
Se	78	3	384	11	2.8	0.002208	4.0475	ug/L
Se	77	1	117	8	6.8	0.000674	4.1241	ug/L
Rh	103	176958	172928	1915	1.1	172927.687691		ug/L
Br	79	4	7	1	21.7	2.500001		ug/L
Cl	35	331	314	10	3.3	-16.667285		ug/L
C	13	1716	1608	43	2.7	-108.353139		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	97.723
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247018-01
Sample Description: 100x
Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:04:57
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.05
 Autosampler Position: 139

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1247018-01.151
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	45	2	4.7	0.000236	5.2827	ug/L
Se	78	3	4	1	16.7	0.000010	1.3555	ug/L
Se	77	1	2	0	14.3	0.000005	1.3063	ug/L
Rh	103	176958	175222	1930	1.1	175221.828769		ug/L
Br	79	4	3	3	86.6	-0.833334		ug/L
Cl	35	331	355	44	12.5	24.167619		ug/L
C	13	1716	1649	10	0.6	-66.679073		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.019
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247018-02
Sample Description: 100x
Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:06:26
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.05
 Autosampler Position: 140

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1247018-02.152
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	43	4	8.9	0.000226	5.0715	ug/L
Se	78	3	3	1	19.9	-0.000001	-0.6394	ug/L
Se	77	1	2	1	56.8	0.000004	1.0187	ug/L
Rh	103	176958	174506	3877	2.2	174506.161880		ug/L
Br	79	4	2	1	86.6	-2.500001		ug/L
Cl	35	331	338	9	2.7	6.666884		ug/L
C	13	1716	1628	71	4.3	-88.349466		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	98.615
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247018-03
Sample Description: 100x
Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:07:54
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.05
 Autosampler Position: 141

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1247018-03.153
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	40	5	12.4	0.000206	4.6540	ug/L
Se	78	3	3	2	48.3	0.000003	0.0379	ug/L
Se	77	1	1	1	69.3	0.000002	-0.4749	ug/L
Rh	103	176958	176501	1745	1.0	176501.199189		ug/L
Br	79	4	8	3	33.3	3.333335		ug/L
Cl	35	331	353	13	3.7	21.667456		ug/L
C	13	1716	1682	70	4.2	-34.172942		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.742
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122199-DUP1

Sample Description: 100x

Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:09:23

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.05

Autosampler Position: 142

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122199-DUP1.154

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	46	11	23.2	0.000243	5.4169	ug/L
Se	78	3	3	1	49.0	0.000001	-0.3055	ug/L
Se	77	1	2	1	45.6	0.000004	0.7350	ug/L
Rh	103	176958	174705	741	0.4	174705.248542		ug/L
Br	79	4	2	1	86.6	-2.500001		ug/L
Cl	35	331	358	14	3.9	26.667653		ug/L
C	13	1716	1695	26	1.6	-20.837287		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	98.727
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122199-MS1
Sample Description: 100x
Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:10:51
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.05
 Autosampler Position: 143

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122199-MS1.155
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4385	120	2.7	0.025020	523.1305	ug/L
Se	78	3	3	1	20.0	-0.000001	-0.6404	ug/L
Se	77	1	1	0	10.8	0.000002	-0.1518	ug/L
Rh	103	176958	175118	2317	1.3	175118.253448		ug/L
Br	79	4	4	1	34.6	-0.000000		ug/L
Cl	35	331	358	17	4.6	27.501022		ug/L
C	13	1716	1709	70	4.1	-6.667813		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	98.960
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122199-MSD1

Sample Description: 100x

Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:12:20

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.05

Autosampler Position: 144

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122199-MSD1.156

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4323	94	2.2	0.024457	511.3553	ug/L
Se	78	3	3	1	23.9	0.000002	-0.0641	ug/L
Se	77	1	1	0	45.8	-0.000000	-1.9356	ug/L
Rh	103	176958	176602	1685	1.0	176602.293569		ug/L
Br	79	4	3	1	43.3	-0.833334		ug/L
Cl	35	331	340	48	14.1	9.167058		ug/L
C	13	1716	1633	22	1.3	-83.348735		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.799
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV5

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 17:13:51

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCV5.157

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	873	12	1.3	0.005016	1.0516	ug/L
Se	78	3	95	6	6.4	0.000530	0.9678	ug/L
Se	77	1	29	1	2.6	0.000164	0.9921	ug/L
Rh	103	176958	173331	797	0.5	173330.985095		ug/L
Br	79	4	4	1	34.6	-0.000000		ug/L
Cl	35	331	322	6	1.8	-9.167025		ug/L
C	13	1716	1684	60	3.6	-31.672527		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	97.950
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB5

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 17:15:21

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCB5.158

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	6	3	50.8	0.000017	0.0071	ug/L
Se	78	3	4	1	14.5	0.000005	0.0046	ug/L
Se	77	1	1	0	24.7	-0.000002	-0.0278	ug/L
Rh	103	176958	175097	1430	0.8	175096.896095		ug/L
Br	79	4	4	3	69.3	-0.000000		ug/L
Cl	35	331	328	21	6.3	-2.500106		ug/L
C	13	1716	1660	71	4.3	-55.843585		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	98.948
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247002-01

Sample Description: 10x

Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:16:52

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 145

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1247002-01.159

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	26	1	3.8	0.000136	0.3180	ug/L
Se	78	3	29	3	11.3	0.000156	2.8162	ug/L
Se	77	1	15	2	14.3	0.000082	4.8771	ug/L
Rh	103	176958	168421	2101	1.2	168420.947383		ug/L
Br	79	4	184	13	7.0	180.001870		ug/L
Cl	35	331	358	25	6.9	26.667668		ug/L
C	13	1716	1688	33	2.0	-28.338667		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	95.176
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247002-02

Sample Description: 10x

Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:18:20

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 146

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1247002-02.160

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	1383	33	2.4	0.008033	16.8199	ug/L
Se	78	3	28	4	14.1	0.000149	2.6754	ug/L
Se	77	1	14	1	7.0	0.000079	4.6787	ug/L
Rh	103	176958	171719	871	0.5	171719.163979		ug/L
Br	79	4	213	22	10.1	209.169185		ug/L
Cl	35	331	387	19	4.9	55.835519		ug/L
C	13	1716	1681	92	5.4	-35.006302		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	97.040
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247002-03

Sample Description: 10x

Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:19:49

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 147

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1247002-03.161

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	21	4	18.3	0.000106	0.2571	ug/L
Se	78	3	62	2	3.6	0.000357	6.5107	ug/L
Se	77	1	40	2	4.7	0.000239	14.5348	ug/L
Rh	103	176958	165125	1519	0.9	165124.555287		ug/L
Br	79	4	610	76	12.5	605.854010		ug/L
Cl	35	331	360	43	12.0	29.167813		ug/L
C	13	1716	1666	64	3.8	-50.009221		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	93.313
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247002-04
Sample Description: 10x
Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:21:17
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 148

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1247002-04.162
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	1415	37	2.6	0.008635	18.0775	ug/L
Se	78	3	63	9	13.5	0.000373	6.7951	ug/L
Se	77	1	36	6	15.4	0.000217	13.1923	ug/L
Rh	103	176958	163473	1374	0.8	163473.432789		ug/L
Br	79	4	543	34	6.3	539.182946		ug/L
Cl	35	331	375	3	0.7	44.168351		ug/L
C	13	1716	1552	102	6.5	-164.195865		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.380
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247002-05
Sample Description: 10x
Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:22:46
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 149

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1247002-05.163
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	19	7	38.8	0.000103	0.2499	ug/L
Se	78	3	314	7	2.3	0.002031	37.2217	ug/L
Se	77	1	95	4	3.9	0.000617	37.7423	ug/L
Rh	103	176958	153432	1974	1.3	153432.420562		ug/L
Br	79	4	1693	41	2.4	1688.490959		ug/L
Cl	35	331	409	39	9.5	78.336546		ug/L
C	13	1716	1551	80	5.2	-165.029484		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	86.706
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122199-DUP2

Sample Description: 10x

Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:24:14

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 150

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122199-DUP2.164

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	26	3	11.0	0.000151	0.3504	ug/L
Se	78	3	319	7	2.1	0.002042	37.4317	ug/L
Se	77	1	99	5	5.5	0.000635	38.8457	ug/L
Rh	103	176958	155026	588	0.4	155026.497276		ug/L
Br	79	4	1639	101	6.2	1635.148163		ug/L
Cl	35	331	372	8	2.1	40.834882		ug/L
C	13	1716	1513	84	5.5	-202.535782		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	87.606
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122199-MS2

Sample Description: 10x

Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:25:43

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 151

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122199-MS2.165

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	465	25	5.4	0.003018	6.3406	ug/L
Se	78	3	791	8	1.1	0.005146	94.4047	ug/L
Se	77	1	241	12	4.9	0.001568	96.2416	ug/L
Rh	103	176958	153172	2630	1.7	153171.517266		ug/L
Br	79	4	1723	93	5.4	1718.496847		ug/L
Cl	35	331	360	11	3.0	29.167748		ug/L
C	13	1716	1456	19	1.3	-260.045418		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	86.558
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122199-MSD2

Sample Description: 10x

Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:27:11

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 152

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122199-MSD2.166

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	473	33	7.1	0.003019	6.3419	ug/L
Se	78	3	767	12	1.6	0.004909	90.0385	ug/L
Se	77	1	238	8	3.3	0.001521	93.3138	ug/L
Rh	103	176958	155759	683	0.4	155758.861367		ug/L
Br	79	4	1779	65	3.6	1774.340771		ug/L
Cl	35	331	383	7	1.7	51.668665		ug/L
C	13	1716	1515	72	4.8	-200.868903		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	88.020
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247002-06

Sample Description: 10x

Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:28:40

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 153

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1247002-06.167

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	1430	26	1.8	0.009200	19.2578	ug/L
Se	78	3	315	16	5.2	0.002016	36.9425	ug/L
Se	77	1	94	2	1.9	0.000601	36.7585	ug/L
Rh	103	176958	155188	1501	1.0	155188.460509		ug/L
Br	79	4	1693	179	10.6	1688.492077		ug/L
Cl	35	331	380	29	7.8	49.168590		ug/L
C	13	1716	1649	97	5.9	-66.678731		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	87.698
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV6

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 17:30:11

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCV6.168

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	996	18	1.8	0.005284	1.1076	ug/L
Se	78	3	106	8	7.8	0.000549	1.0022	ug/L
Se	77	1	32	3	9.0	0.000166	1.0045	ug/L
Rh	103	176958	187830	1698	0.9	187829.831031		ug/L
Br	79	4	39	19	47.9	35.000096		ug/L
Cl	35	331	408	29	7.1	76.669780		ug/L
C	13	1716	1653	92	5.5	-62.511345		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	106.144
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB6

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 17:31:40

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCB6.169

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	6	2	24.1	0.000015	0.0067	ug/L
Se	78	3	4	1	18.3	0.000007	0.0076	ug/L
Se	77	1	1	0	33.3	-0.000001	-0.0235	ug/L
Rh	103	176958	185720	974	0.5	185720.415893		ug/L
Br	79	4	10	5	50.0	5.833338		ug/L
Cl	35	331	345	25	7.2	14.167185		ug/L
C	13	1716	1553	106	6.8	-163.362354		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	104.952
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247002-07

Sample Description: 10x

Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:33:11

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 154

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1247002-07.170

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	7	5	63.0	0.000022	0.0816	ug/L
Se	78	3	3	1	20.7	0.000000	-0.0454	ug/L
Se	77	1	2	1	31.2	0.000004	0.0937	ug/L
Rh	103	176958	177704	752	0.4	177704.208982		ug/L
Br	79	4	187	23	12.4	182.501935		ug/L
Cl	35	331	359	47	13.1	28.334459		ug/L
C	13	1716	1559	73	4.7	-156.694767		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.422
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247002-08

Sample Description: 10x

Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:34:40

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 155

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1247002-08.171

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	1628	6	0.3	0.009169	19.1932	ug/L
Se	78	3	3	1	24.9	0.000004	0.0260	ug/L
Se	77	1	1	0	31.5	-0.000000	-0.1649	ug/L
Rh	103	176958	177205	663	0.4	177204.592964		ug/L
Br	79	4	183	34	18.8	178.335207		ug/L
Cl	35	331	370	44	11.9	39.168216		ug/L
C	13	1716	1548	19	1.2	-167.530132		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.139
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247002-09

Sample Description: 10x

Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:36:08

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 156

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1247002-09.172

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	57	4	6.6	0.000351	0.7688	ug/L
Se	78	3	4	0	9.7	0.000009	0.1186	ug/L
Se	77	1	2	0	19.2	0.000009	0.4093	ug/L
Rh	103	176958	154915	915	0.6	154914.632051		ug/L
Br	79	4	1618	61	3.7	1613.477376		ug/L
Cl	35	331	353	23	6.5	21.667469		ug/L
C	13	1716	1559	74	4.8	-156.694758		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	87.543
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1247002-10

Sample Description: 10x

Batch ID: B122199

Sample Date/Time: Wednesday, November 28, 2012 17:37:37

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 157

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1247002-10.173

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	1519	36	2.4	0.009855	20.6262	ug/L
Se	78	3	5	1	12.9	0.000016	0.2499	ug/L
Se	77	1	2	1	27.0	0.000010	0.4481	ug/L
Rh	103	176958	153871	2160	1.4	153870.594421		ug/L
Br	79	4	1540	75	4.9	1535.963988		ug/L
Cl	35	331	373	48	12.8	41.668331		ug/L
C	13	1716	1559	132	8.4	-156.694325		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	86.953
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: Wednesday, November 28, 2012 17:39:08

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCV7.174

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	911	5	0.6	0.004837	1.0141	ug/L
Se	78	3	101	1	1.0	0.000525	0.9580	ug/L
Se	77	1	31	0	0.5	0.000161	0.9724	ug/L
Rh	103	176958	187713	1745	0.9	187713.300018		ug/L
Br	79	4	31	1	4.7	26.666718		ug/L
Cl	35	331	402	53	13.3	70.836261		ug/L
C	13	1716	1623	93	5.7	-93.350229		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	106.078
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: Wednesday, November 28, 2012 17:40:37

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCB7.175

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	2	1	24.7	-0.000006	0.0022	ug/L
Se	78	3	4	0	6.7	0.000007	0.0082	ug/L
Se	77	1	2	1	45.6	0.000004	0.0052	ug/L
Rh	103	176958	182643	2669	1.5	182643.396472		ug/L
Br	79	4	19	4	19.9	15.000019		ug/L
Cl	35	331	362	24	6.6	30.834498		ug/L
C	13	1716	1594	19	1.2	-121.688875		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	103.213
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-01

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 17:56:48

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 201

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-01.176

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	36	1	2.8	0.000227	2.5429	ug/L
Se	78	3	3	1	19.1	0.000008	0.5055	ug/L
Se	77	1	2	0	16.7	0.000005	0.7272	ug/L
Rh	103	176958	146675	3283	2.2	146674.995524		ug/L
Br	79	4	1453	135	9.3	1449.283510		ug/L
Cl	35	331	386	44	11.5	55.002209		ug/L
C	13	1716	1693	60	3.6	-22.504156		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	82.887
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122200-DUP1

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 17:58:17

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 202

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122200-DUP1.177

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	36	8	22.7	0.000231	2.5832	ug/L
Se	78	3	3	1	30.4	0.000006	0.3264	ug/L
Se	77	1	2	0	22.9	0.000006	1.1380	ug/L
Rh	103	176958	144194	1027	0.7	144193.757847		ug/L
Br	79	4	1550	20	1.3	1545.965495		ug/L
Cl	35	331	434	3	0.7	103.337651		ug/L
C	13	1716	1704	55	3.2	-11.668821		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	81.485
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122200-MS1

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 17:59:45

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 203

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122200-MS1.178

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	35	6	18.2	0.000227	2.5473	ug/L
Se	78	3	20	3	16.1	0.000123	10.9903	ug/L
Se	77	1	8	1	15.7	0.000052	15.2476	ug/L
Rh	103	176958	143649	1047	0.7	143649.409510		ug/L
Br	79	4	1568	83	5.3	1564.302212		ug/L
Cl	35	331	443	37	8.3	112.504809		ug/L
C	13	1716	1809	36	2.0	92.517910		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	81.177
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122200-MSD1

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:01:14

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 204

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122200-MSD1.179

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	35	3	8.2	0.000227	2.5440	ug/L
Se	78	3	20	3	16.1	0.000121	10.8512	ug/L
Se	77	1	6	1	21.3	0.000036	10.2131	ug/L
Rh	103	176958	143842	1381	1.0	143841.608634		ug/L
Br	79	4	1601	41	2.6	1596.807687		ug/L
Cl	35	331	440	56	12.7	109.171379		ug/L
C	13	1716	1819	67	3.7	103.353523		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	81.286
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-02

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:02:43

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 205

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-02.180

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	28	1	4.1	0.000176	2.0163	ug/L
Se	78	3	4	1	18.7	0.000013	0.9474	ug/L
Se	77	1	2	1	36.5	0.000006	0.9359	ug/L
Rh	103	176958	145168	435	0.3	145168.218823		ug/L
Br	79	4	1497	70	4.7	1492.623389		ug/L
Cl	35	331	409	36	8.8	78.336539		ug/L
C	13	1716	1738	9	0.5	21.670715		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	82.035
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-03

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:04:11

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 206

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-03.181

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	28	8	29.4	0.000177	2.0266	ug/L
Se	78	3	3	1	36.1	0.000004	0.1052	ug/L
Se	77	1	3	0	14.3	0.000014	3.4015	ug/L
Rh	103	176958	141008	966	0.7	141007.691871		ug/L
Br	79	4	1791	139	7.8	1786.843782		ug/L
Cl	35	331	472	73	15.5	140.839714		ug/L
C	13	1716	1885	48	2.5	169.200189		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	79.684
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122200-DUP2

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:05:40

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 207

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122200-DUP2.182

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	28	8	28.1	0.000179	2.0462	ug/L
Se	78	3	3	1	19.2	0.000004	0.0715	ug/L
Se	77	1	2	0	24.1	0.000006	1.0768	ug/L
Rh	103	176958	139587	1360	1.0	139586.882373		ug/L
Br	79	4	1734	44	2.6	1730.165490		ug/L
Cl	35	331	406	48	11.8	75.003092		ug/L
C	13	1716	1767	69	3.9	50.843176		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	78.881
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122200-MS2

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:07:08

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 208

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122200-MS2.183

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	26	3	13.3	0.000168	1.9254	ug/L
Se	78	3	18	1	6.4	0.000114	10.1658	ug/L
Se	77	1	7	1	15.8	0.000047	13.5633	ug/L
Rh	103	176958	139431	1113	0.8	139431.164737		ug/L
Br	79	4	1825	3	0.1	1821.016535		ug/L
Cl	35	331	468	4	0.9	136.672638		ug/L
C	13	1716	1847	89	4.8	130.859190		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	78.793
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122200-MSD2

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:08:45

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 209

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122200-MSD2.184

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	27	1	2.1	0.000176	2.0119	ug/L
Se	78	3	16	2	9.5	0.000102	9.1072	ug/L
Se	77	1	7	1	7.3	0.000046	13.2788	ug/L
Rh	103	176958	140348	294	0.2	140348.409950		ug/L
Br	79	4	1777	48	2.7	1772.673711		ug/L
Cl	35	331	450	50	11.1	119.171845		ug/L
C	13	1716	1789	122	6.8	73.347948		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	79.312
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-04

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:10:14

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 210

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-04.185

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	31	4	11.6	0.000202	2.2824	ug/L
Se	78	3	3	0	14.2	0.000006	0.2858	ug/L
Se	77	1	2	1	44.1	0.000006	0.8723	ug/L
Rh	103	176958	140453	655	0.5	140452.511532		ug/L
Br	79	4	1741	77	4.4	1736.833574		ug/L
Cl	35	331	451	18	3.9	120.005140		ug/L
C	13	1716	1889	91	4.8	172.534433		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	79.371
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: Wednesday, November 28, 2012 18:11:46

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCV8.186

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	930	31	3.4	0.005127	1.0746	ug/L
Se	78	3	100	2	1.8	0.000537	0.9805	ug/L
Se	77	1	30	1	3.9	0.000158	0.9552	ug/L
Rh	103	176958	180708	1333	0.7	180707.592789		ug/L
Br	79	4	38	14	37.1	34.166753		ug/L
Cl	35	331	394	66	16.7	63.335987		ug/L
C	13	1716	1973	104	5.3	256.719068		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	102.119
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: Wednesday, November 28, 2012 18:13:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCB8.187

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4	1	26.6	0.000005	0.0045	ug/L
Se	78	3	3	1	40.6	0.000000	-0.0043	ug/L
Se	77	1	1	1	100.0	0.000000	-0.0142	ug/L
Rh	103	176958	181790	2491	1.4	181789.842535		ug/L
Br	79	4	12	1	12.4	7.500006		ug/L
Cl	35	331	416	13	3.1	85.003466		ug/L
C	13	1716	1901	61	3.2	185.036871		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	102.731
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-05

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:14:47

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 211

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-05.188

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	31	10	32.2	0.000195	2.2129	ug/L
Se	78	3	4	0	6.5	0.000012	0.8539	ug/L
Se	77	1	2	1	41.9	0.000008	1.6999	ug/L
Rh	103	176958	143870	2760	1.9	143869.753176		ug/L
Br	79	4	1580	75	4.8	1575.970854		ug/L
Cl	35	331	439	22	5.1	108.337909		ug/L
C	13	1716	1809	14	0.8	92.517869		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	81.302
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122200-DUP3

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:16:16

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 212

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122200-DUP3.189

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	37	3	6.9	0.000235	2.6319	ug/L
Se	78	3	3	1	47.0	0.000003	0.0130	ug/L
Se	77	1	1	1	52.9	0.000003	0.2509	ug/L
Rh	103	176958	144332	788	0.5	144331.739520		ug/L
Br	79	4	1591	51	3.2	1586.805965		ug/L
Cl	35	331	470	15	3.2	139.172774		ug/L
C	13	1716	1872	27	1.4	155.864042		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	81.563
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122200-MS3

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:17:44

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 213

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122200-MS3.190

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	36	1	3.2	0.000234	2.6197	ug/L
Se	78	3	19	2	8.5	0.000118	10.6179	ug/L
Se	77	1	8	0	4.6	0.000053	15.4148	ug/L
Rh	103	176958	143639	790	0.5	143639.233663		ug/L
Br	79	4	1524	25	1.6	1520.127801		ug/L
Cl	35	331	503	39	7.7	172.507939		ug/L
C	13	1716	1939	98	5.1	223.378520		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	81.171
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122200-MSD3

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:19:13

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 214

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122200-MSD3.191

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	42	5	11.3	0.000267	2.9590	ug/L
Se	78	3	21	5	23.0	0.000127	11.4265	ug/L
Se	77	1	5	1	15.8	0.000027	7.5744	ug/L
Rh	103	176958	146111	1559	1.1	146110.718719		ug/L
Br	79	4	1526	42	2.7	1521.794789		ug/L
Cl	35	331	462	28	6.0	130.839033		ug/L
C	13	1716	1960	55	2.8	244.216078		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	82.568
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-06
Sample Description: 50x
Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:20:41
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 215

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-06.192
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	31	5	16.4	0.000194	2.1993	ug/L
Se	78	3	3	1	24.5	0.000005	0.1671	ug/L
Se	77	1	2	0	18.3	0.000009	2.0269	ug/L
Rh	103	176958	144225	1105	0.8	144225.088305		ug/L
Br	79	4	1540	30	2.0	1535.963815		ug/L
Cl	35	331	482	10	2.2	150.840047		ug/L
C	13	1716	1854	64	3.5	137.527076		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	81.502
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-07
Sample Description: 50x
Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:22:10
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 216

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-07.193
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	37	3	6.7	0.000249	2.7779	ug/L
Se	78	3	3	1	33.4	0.000008	0.4573	ug/L
Se	77	1	1	1	66.6	0.000003	-0.0281	ug/L
Rh	103	176958	139272	1057	0.8	139272.082943		ug/L
Br	79	4	1739	22	1.2	1735.166390		ug/L
Cl	35	331	443	52	11.7	111.671483		ug/L
C	13	1716	1939	30	1.6	223.378199		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	78.704
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: Wednesday, November 28, 2012 18:23:41

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCV9.194

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	940	7	0.7	0.005193	1.0886	ug/L
Se	78	3	99	6	5.6	0.000534	0.9745	ug/L
Se	77	1	32	3	9.1	0.000171	1.0359	ug/L
Rh	103	176958	180431	1985	1.1	180431.431860		ug/L
Br	79	4	33	9	27.7	28.333393		ug/L
Cl	35	331	403	29	7.2	71.669557		ug/L
C	13	1716	2004	59	2.9	287.558874		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	101.963
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: Wednesday, November 28, 2012 18:25:10

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCB9.195

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	6	3	44.1	0.000015	0.0066	ug/L
Se	78	3	5	1	26.3	0.000012	0.0162	ug/L
Se	77	1	1	0	33.3	-0.000001	-0.0223	ug/L
Rh	103	176958	177832	1942	1.1	177831.781664		ug/L
Br	79	4	16	4	24.1	11.666680		ug/L
Cl	35	331	421	53	12.6	90.003792		ug/L
C	13	1716	1884	14	0.8	167.533100		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.494
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-08
Sample Description: 50x
Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:26:41
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 217

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-08.196
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	24	2	6.3	0.000155	1.7966	ug/L
Se	78	3	3	1	28.1	0.000009	0.5632	ug/L
Se	77	1	2	1	62.3	0.000007	1.4390	ug/L
Rh	103	176958	139726	430	0.3	139726.442178		ug/L
Br	79	4	1799	56	3.1	1794.344669		ug/L
Cl	35	331	394	33	8.4	63.335869		ug/L
C	13	1716	1853	10	0.5	136.693426		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	78.960
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-09

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:28:10

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 218

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-09.197

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	34	0	0.0	0.000220	2.4761	ug/L
Se	78	3	3	1	30.8	0.000004	0.1345	ug/L
Se	77	1	2	1	43.3	0.000007	1.1838	ug/L
Rh	103	176958	142144	742	0.5	142144.341678		ug/L
Br	79	4	1520	113	7.4	1515.960880		ug/L
Cl	35	331	433	20	4.7	102.504292		ug/L
C	13	1716	1994	83	4.2	278.390320		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	80.327
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-10
Sample Description: 50x
Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:29:38
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 219

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-10.198
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	27	7	25.9	0.000171	1.9562	ug/L
Se	78	3	3	0	4.4	0.000007	0.3565	ug/L
Se	77	1	1	0	35.3	0.000002	-0.0809	ug/L
Rh	103	176958	142612	963	0.7	142611.587904		ug/L
Br	79	4	1473	106	7.2	1468.453008		ug/L
Cl	35	331	433	14	3.2	101.670911		ug/L
C	13	1716	1990	95	4.8	274.222817		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	80.591
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-11
Sample Description: 50x
Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:31:07
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 220

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-11.199
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	31	9	27.9	0.000205	2.3164	ug/L
Se	78	3	3	1	27.3	0.000005	0.2456	ug/L
Se	77	1	2	1	28.6	0.000007	1.4686	ug/L
Rh	103	176958	138606	957	0.7	138606.180659		ug/L
Br	79	4	1712	19	1.1	1707.661166		ug/L
Cl	35	331	458	59	12.9	126.672256		ug/L
C	13	1716	1888	55	2.9	171.700733		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	78.327
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-12

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:32:35

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 221

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-12.200

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	28	7	24.1	0.000182	2.0717	ug/L
Se	78	3	3	1	38.7	0.000007	0.3661	ug/L
Se	77	1	1	1	40.8	0.000005	0.7431	ug/L
Rh	103	176958	138116	2015	1.5	138116.423604		ug/L
Br	79	4	1748	83	4.7	1743.501555		ug/L
Cl	35	331	444	4	0.9	113.338134		ug/L
C	13	1716	1932	55	2.9	215.876681		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	78.050
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-13

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:34:04

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 222

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-13.201

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	33	3	7.7	0.000214	2.4141	ug/L
Se	78	3	2	1	46.5	0.000002	-0.0390	ug/L
Se	77	1	2	0	24.1	0.000006	1.0585	ug/L
Rh	103	176958	140004	917	0.7	140004.020859		ug/L
Br	79	4	1741	94	5.4	1736.833682		ug/L
Cl	35	331	474	51	10.8	143.339745		ug/L
C	13	1716	1953	126	6.5	236.714935		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	79.117
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-14

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:35:32

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 223

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-14.202

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	21	5	22.2	0.000133	1.5617	ug/L
Se	78	3	3	1	28.0	0.000007	0.3881	ug/L
Se	77	1	1	0	13.3	0.000003	-0.0458	ug/L
Rh	103	176958	140597	485	0.3	140597.215748		ug/L
Br	79	4	1705	22	1.3	1700.993251		ug/L
Cl	35	331	458	45	9.9	126.672203		ug/L
C	13	1716	1868	38	2.1	151.696546		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	79.452
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-15

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:37:01

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 224

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-15.203

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	31	5	16.8	0.000202	2.2867	ug/L
Se	78	3	3	0	15.3	0.000008	0.4388	ug/L
Se	77	1	2	1	33.3	0.000006	0.8758	ug/L
Rh	103	176958	140348	1409	1.0	140347.632809		ug/L
Br	79	4	1587	43	2.7	1582.638541		ug/L
Cl	35	331	437	27	6.1	105.837796		ug/L
C	13	1716	1882	132	7.0	165.866721		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	79.311
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: Wednesday, November 28, 2012 18:38:31

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCVA.204

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	965	27	2.8	0.005401	1.1321	ug/L
Se	78	3	99	8	8.5	0.000539	0.9837	ug/L
Se	77	1	30	8	25.3	0.000164	0.9906	ug/L
Rh	103	176958	178191	3038	1.7	178190.566279		ug/L
Br	79	4	29	4	13.1	25.000046		ug/L
Cl	35	331	413	20	4.8	81.669989		ug/L
C	13	1716	2179	232	10.6	462.600971		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.697
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: Wednesday, November 28, 2012 18:40:01

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCBA.205

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	3	1	21.7	-0.000004	0.0026	ug/L
Se	78	3	2	0	6.8	-0.000003	-0.0100	ug/L
Se	77	1	1	1	58.1	0.000001	-0.0113	ug/L
Rh	103	176958	179802	1493	0.8	179801.574682		ug/L
Br	79	4	15	9	60.1	10.833347		ug/L
Cl	35	331	410	25	6.0	79.169884		ug/L
C	13	1716	1977	56	2.8	260.886359		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	101.607
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-16
Sample Description: 50x
Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:41:31
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 225

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-16.206
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	32	5	14.3	0.000212	2.3884	ug/L
Se	78	3	4	0	10.5	0.000010	0.6845	ug/L
Se	77	1	1	0	32.7	0.000003	0.1727	ug/L
Rh	103	176958	138688	450	0.3	138688.225541		ug/L
Br	79	4	1625	73	4.5	1620.978774		ug/L
Cl	35	331	434	57	13.2	103.337771		ug/L
C	13	1716	1882	53	2.8	165.866185		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	78.374
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-17

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:43:00

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 226

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-17.207

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	25	1	2.3	0.000161	1.8553	ug/L
Se	78	3	3	1	38.1	0.000006	0.3215	ug/L
Se	77	1	2	1	25.0	0.000009	2.0574	ug/L
Rh	103	176958	137235	1647	1.2	137234.841168		ug/L
Br	79	4	1800	47	2.6	1796.011630		ug/L
Cl	35	331	434	17	3.9	103.337661		ug/L
C	13	1716	1930	66	3.4	214.209709		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	77.552
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-18
Sample Description: 50x
Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:44:28
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 227

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-18.208
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	25	7	28.0	0.000166	1.9041	ug/L
Se	78	3	2	1	35.4	0.000000	-0.2137	ug/L
Se	77	1	1	1	61.9	0.000003	0.2284	ug/L
Rh	103	176958	135568	268	0.2	135567.508342		ug/L
Br	79	4	1799	128	7.1	1794.345153		ug/L
Cl	35	331	447	38	8.5	115.838310		ug/L
C	13	1716	1956	20	1.0	240.048418		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	76.610
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-19

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:45:57

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 228

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-19.209

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	33	2	4.6	0.000222	2.4897	ug/L
Se	78	3	3	1	21.8	0.000004	0.0774	ug/L
Se	77	1	1	0	41.7	0.000001	-0.3868	ug/L
Rh	103	176958	138588	1263	0.9	138588.437544		ug/L
Br	79	4	1679	36	2.1	1675.155138		ug/L
Cl	35	331	473	44	9.2	141.672965		ug/L
C	13	1716	1938	62	3.2	221.711284		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	78.317
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-20

Sample Description: 50x

Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:47:25

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 229

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-20.210

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	24	7	28.1	0.000152	1.7665	ug/L
Se	78	3	3	1	27.3	0.000004	0.0835	ug/L
Se	77	1	1	0	10.8	0.000004	0.5516	ug/L
Rh	103	176958	138068	1355	1.0	138068.118362		ug/L
Br	79	4	1704	35	2.1	1700.159789		ug/L
Cl	35	331	437	30	6.8	105.837803		ug/L
C	13	1716	1914	49	2.5	198.372953		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	78.023
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-21
Sample Description: 50x
Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:48:54
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 230

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-21.211
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	29	3	10.1	0.000192	2.1821	ug/L
Se	78	3	3	1	30.2	0.000007	0.3473	ug/L
Se	77	1	1	0	28.6	0.000005	0.6123	ug/L
Rh	103	176958	135754	1838	1.4	135753.708038		ug/L
Br	79	4	1711	109	6.4	1706.828097		ug/L
Cl	35	331	433	15	3.5	101.670913		ug/L
C	13	1716	2051	160	7.8	335.070277		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	76.715
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246011-22
Sample Description: 50x
Batch ID: B122200

Sample Date/Time: Wednesday, November 28, 2012 18:50:22
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 231

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246011-22.212
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	32	8	23.7	0.000216	2.4267	ug/L
Se	78	3	2	1	26.6	0.000001	-0.2013	ug/L
Se	77	1	1	1	57.3	0.000005	0.6269	ug/L
Rh	103	176958	134964	647	0.5	134964.480653		ug/L
Br	79	4	1668	85	5.1	1663.486542		ug/L
Cl	35	331	445	119	26.7	114.172025		ug/L
C	13	1716	1974	74	3.8	257.552388		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	76.269
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVB

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 18:51:53

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCVB.213

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4546	42	0.9	0.026317	5.5022	ug/L
Se	78	3	488	7	1.5	0.002813	5.1583	ug/L
Se	77	1	147	6	4.3	0.000848	5.1953	ug/L
Rh	103	176958	172688	3727	2.2	172687.721264		ug/L
Br	79	4	41	19	46.0	36.666770		ug/L
Cl	35	331	435	20	4.6	104.171038		ug/L
C	13	1716	2056	63	3.0	340.070615		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	97.587
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBB

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 18:53:23

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCBB.214

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	5	4	72.1	0.000010	0.0057	ug/L
Se	78	3	3	1	35.3	0.000001	-0.0031	ug/L
Se	77	1	1	1	53.3	0.000001	-0.0094	ug/L
Rh	103	176958	170999	927	0.5	170999.117889		ug/L
Br	79	4	22	4	17.6	17.500025		ug/L
Cl	35	331	451	45	10.0	120.005203		ug/L
C	13	1716	1985	30	1.5	269.221427		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	96.633
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245036-01RE1

Sample Description: 10x

Batch ID: B122186

Sample Date/Time: Wednesday, November 28, 2012 18:54:54

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 232

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245036-01RE1.215

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	101	4	4.3	0.000659	1.4127	ug/L
Se	78	3	6	1	12.6	0.000025	0.4119	ug/L
Se	77	1	3	0	7.7	0.000017	0.8613	ug/L
Rh	103	176958	149008	9153	6.1	149008.429575		ug/L
Br	79	4	766	174	22.7	761.700029		ug/L
Cl	35	331	396	44	11.2	65.002640		ug/L
C	13	1716	2021	379	18.8	305.067892		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	84.206
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122186-DUP1

Sample Description: 10x

Batch ID: B122186

Sample Date/Time: Wednesday, November 28, 2012 18:56:23

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 233

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122186-DUP1.216

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	119	16	13.6	0.000818	1.7429	ug/L
Se	78	3	7	3	37.7	0.000035	0.5985	ug/L
Se	77	1	3	1	30.7	0.000017	0.8511	ug/L
Rh	103	176958	141976	939	0.7	141975.918820		ug/L
Br	79	4	993	134	13.5	989.221596		ug/L
Cl	35	331	396	64	16.2	65.002717		ug/L
C	13	1716	1762	49	2.8	45.842118		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	80.231
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122186-MS1

Sample Description: 10x

Batch ID: B122186

Sample Date/Time: Wednesday, November 28, 2012 18:57:51

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 234

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122186-MS1.217

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	976	21	2.2	0.006957	14.5711	ug/L
Se	78	3	7	1	12.5	0.000036	0.6013	ug/L
Se	77	1	3	1	30.8	0.000018	0.9448	ug/L
Rh	103	176958	139895	1222	0.9	139894.883262		ug/L
Br	79	4	1054	161	15.3	1050.062071		ug/L
Cl	35	331	413	25	6.0	81.669997		ug/L
C	13	1716	1799	94	5.2	83.349699		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	79.055
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122186-MSD1

Sample Description: 10x

Batch ID: B122186

Sample Date/Time: Wednesday, November 28, 2012 18:59:20

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 235

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122186-MSD1.218

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	918	33	3.6	0.006512	13.6408	ug/L
Se	78	3	7	1	11.7	0.000031	0.5222	ug/L
Se	77	1	4	1	21.4	0.000020	1.0468	ug/L
Rh	103	176958	140537	1374	1.0	140537.190793		ug/L
Br	79	4	1118	106	9.5	1113.402436		ug/L
Cl	35	331	353	9	2.6	21.667453		ug/L
C	13	1716	1723	64	3.7	6.668007		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	79.418
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245037-01RE1

Sample Description: 10x

Batch ID: B122186

Sample Date/Time: Wednesday, November 28, 2012 19:00:48

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 236

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245037-01RE1.219

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	133	13	9.4	0.000829	1.7678	ug/L
Se	78	3	26	5	21.3	0.000149	2.6777	ug/L
Se	77	1	8	2	18.5	0.000047	2.7261	ug/L
Rh	103	176958	156373	795	0.5	156373.450442		ug/L
Br	79	4	604	45	7.4	600.020149		ug/L
Cl	35	331	376	41	10.8	45.001779		ug/L
C	13	1716	1852	61	3.3	135.860054		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	88.368
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122186-DUP2

Sample Description: 10x

Batch ID: B122186

Sample Date/Time: Wednesday, November 28, 2012 19:02:17

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 237

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122186-DUP2.220

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	138	11	7.7	0.000880	1.8736	ug/L
Se	78	3	29	2	8.5	0.000175	3.1692	ug/L
Se	77	1	7	1	19.9	0.000040	2.3163	ug/L
Rh	103	176958	153556	1314	0.9	153556.071332		ug/L
Br	79	4	600	17	2.9	595.853143		ug/L
Cl	35	331	418	13	3.2	86.670209		ug/L
C	13	1716	1809	49	2.7	93.351450		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	86.775
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122186-MS2

Sample Description: 10x

Batch ID: B122186

Sample Date/Time: Wednesday, November 28, 2012 19:03:45

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 238

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122186-MS2.221

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	979	46	4.7	0.006289	13.1744	ug/L
Se	78	3	26	1	5.2	0.000155	2.7954	ug/L
Se	77	1	7	1	18.8	0.000039	2.2207	ug/L
Rh	103	176958	155293	761	0.5	155292.657534		ug/L
Br	79	4	516	75	14.5	511.681507		ug/L
Cl	35	331	369	51	13.8	38.334874		ug/L
C	13	1716	1834	72	3.9	118.356563		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	87.757
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122186-MSD2

Sample Description: 10x

Batch ID: B122186

Sample Date/Time: Wednesday, November 28, 2012 19:05:14

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 239

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122186-MSD2.222

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	996	63	6.3	0.006511	13.6387	ug/L
Se	78	3	25	1	4.0	0.000151	2.7221	ug/L
Se	77	1	10	1	7.5	0.000061	3.6124	ug/L
Rh	103	176958	152532	1839	1.2	152531.599114		ug/L
Br	79	4	501	22	4.3	496.680478		ug/L
Cl	35	331	354	26	7.4	23.334207		ug/L
C	13	1716	1781	51	2.8	65.012526		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	86.197
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245038-01RE1

Sample Description: 10x

Batch ID: B122186

Sample Date/Time: Wednesday, November 28, 2012 19:06:42

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 240

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245038-01RE1.223

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	480	30	6.2	0.003275	6.8773	ug/L
Se	78	3	429	8	1.8	0.002924	53.6173	ug/L
Se	77	1	118	10	8.8	0.000806	49.3984	ug/L
Rh	103	176958	145896	1430	1.0	145896.471753		ug/L
Br	79	4	967	39	4.1	962.551452		ug/L
Cl	35	331	368	18	4.8	37.501423		ug/L
C	13	1716	1802	30	1.7	85.849904		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	82.447
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVC

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 19:08:13

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCVC.224

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4270	53	1.2	0.025337	5.2976	ug/L
Se	78	3	458	5	1.0	0.002703	4.9554	ug/L
Se	77	1	140	5	3.8	0.000828	5.0746	ug/L
Rh	103	176958	168483	3285	1.9	168483.144752		ug/L
Br	79	4	56	14	25.5	51.666844		ug/L
Cl	35	331	410	19	4.6	79.169875		ug/L
C	13	1716	1783	20	1.1	66.679440		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	95.211
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBC

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 19:09:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCBC.225

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	7	3	43.3	0.000021	0.0079	ug/L
Se	78	3	4	1	34.2	0.000006	0.0067	ug/L
Se	77	1	2	1	60.1	0.000004	0.0075	ug/L
Rh	103	176958	166510	3753	2.3	166509.902505		ug/L
Br	79	4	22	5	24.0	17.500025		ug/L
Cl	35	331	378	27	7.2	46.668481		ug/L
C	13	1716	1849	59	3.2	132.526034		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	94.096
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245039-01RE1

Sample Description: 10x

Batch ID: B122186

Sample Date/Time: Wednesday, November 28, 2012 19:11:13

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 241

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245039-01RE1.226

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	27	8	29.6	0.000169	0.3885	ug/L
Se	78	3	29	3	11.9	0.000189	3.4137	ug/L
Se	77	1	11	3	22.9	0.000071	4.1939	ug/L
Rh	103	176958	143506	137	0.1	143506.303928		ug/L
Br	79	4	739	88	11.9	735.030333		ug/L
Cl	35	331	352	20	5.8	20.834100		ug/L
C	13	1716	1817	90	4.9	100.853151		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	81.096
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245040-01RE1

Sample Description: 10x

Batch ID: B122186

Sample Date/Time: Wednesday, November 28, 2012 19:12:42

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 242

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245040-01RE1.227

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	281	26	9.2	0.003083	6.4765	ug/L
Se	78	3	281	12	4.4	0.003084	56.5475	ug/L
Se	77	1	168	5	3.1	0.001849	113.4964	ug/L
Rh	103	176958	90647	1386	1.5	90647.258361		ug/L
Br	79	4	23450	2515	10.7	23445.435613		ug/L
Cl	35	331	428	51	11.8	97.504134		ug/L
C	13	1716	1131	86	7.6	-585.091400		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	51.225
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245041-01RE1

Sample Description: 10x

Batch ID: B122186

Sample Date/Time: Wednesday, November 28, 2012 19:14:10

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 243

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245041-01RE1.228

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	107	8	7.6	0.000837	1.7831	ug/L
Se	78	3	488	9	1.9	0.003883	71.2209	ug/L
Se	77	1	162	6	3.9	0.001288	78.9972	ug/L
Rh	103	176958	125085	1178	0.9	125084.710195		ug/L
Br	79	4	10062	498	5.0	10058.074685		ug/L
Cl	35	331	430	44	10.1	99.170855		ug/L
C	13	1716	1680	120	7.2	-35.839566		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	70.686
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245042-01RE1

Sample Description: 10x

Batch ID: B122186

Sample Date/Time: Wednesday, November 28, 2012 19:15:39

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 244

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245042-01RE1.229

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	163	10	5.9	0.001549	3.2712	ug/L
Se	78	3	344	5	1.4	0.003291	60.3507	ug/L
Se	77	1	134	6	4.7	0.001283	78.7194	ug/L
Rh	103	176958	103990	546	0.5	103989.724172		ug/L
Br	79	4	17697	1718	9.7	17693.150175		ug/L
Cl	35	331	411	11	2.7	80.003237		ug/L
C	13	1716	1425	40	2.8	-290.883591		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	58.765
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245043-01RE1

Sample Description: 10x

Batch ID: B122186

Sample Date/Time: Wednesday, November 28, 2012 19:17:07

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 245

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245043-01RE1.230

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	53	8	15.4	0.000309	0.6809	ug/L
Se	78	3	8	2	18.4	0.000037	0.6260	ug/L
Se	77	1	3	0	13.5	0.000012	0.5938	ug/L
Rh	103	176958	161672	1071	0.7	161672.459734		ug/L
Br	79	4	738	111	15.1	734.197103		ug/L
Cl	35	331	381	70	18.4	50.002106		ug/L
C	13	1716	1914	133	7.0	198.373518		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.362
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245043-03RE1

Sample Description: 10x

Batch ID: B122186

Sample Date/Time: Wednesday, November 28, 2012 19:18:36

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 246

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245043-03RE1.231

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	24	7	30.0	0.000129	0.3048	ug/L
Se	78	3	4	1	16.2	0.000008	0.1017	ug/L
Se	77	1	1	0	28.6	0.000003	0.0297	ug/L
Rh	103	176958	159835	432	0.3	159835.366058		ug/L
Br	79	4	321	22	6.7	316.672344		ug/L
Cl	35	331	432	28	6.5	100.837560		ug/L
C	13	1716	2071	130	6.3	355.074491		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	90.324
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245043-05RE1

Sample Description: 10x

Batch ID: B122186

Sample Date/Time: Wednesday, November 28, 2012 19:20:04

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 247

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245043-05RE1.232

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	35	8	21.4	0.000227	0.5089	ug/L
Se	78	3	18	3	15.2	0.000110	1.9673	ug/L
Se	77	1	6	1	20.8	0.000038	2.1889	ug/L
Rh	103	176958	143931	1950	1.4	143931.414551		ug/L
Br	79	4	722	64	8.9	717.528795		ug/L
Cl	35	331	402	46	11.6	70.836235		ug/L
C	13	1716	1906	68	3.5	190.037949		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	81.337
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245043-07RE1

Sample Description: 10x

Batch ID: B122186

Sample Date/Time: Wednesday, November 28, 2012 19:21:33

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 248

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245043-07RE1.233

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	45	6	13.5	0.000260	0.5778	ug/L
Se	78	3	5	0	0.3	0.000014	0.2015	ug/L
Se	77	1	2	0	18.2	0.000005	0.1197	ug/L
Rh	103	176958	161268	2442	1.5	161268.043078		ug/L
Br	79	4	126	16	12.8	121.667546		ug/L
Cl	35	331	370	27	7.3	39.168172		ug/L
C	13	1716	2066	164	7.9	350.073723		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.134
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVD

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 19:23:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCVD.234

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4223	67	1.6	0.026174	5.4724	ug/L
Se	78	3	425	4	1.0	0.002620	4.8037	ug/L
Se	77	1	136	6	4.2	0.000835	5.1180	ug/L
Rh	103	176958	161295	5194	3.2	161295.100427		ug/L
Br	79	4	52	8	15.6	47.500148		ug/L
Cl	35	331	401	40	10.0	70.002845		ug/L
C	13	1716	1959	96	4.9	243.382790		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.149
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBD

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 19:24:33

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCBD.235

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	7	4	56.8	0.000024	0.0084	ug/L
Se	78	3	4	2	49.2	0.000011	0.0151	ug/L
Se	77	1	1	0	32.7	0.000002	-0.0027	ug/L
Rh	103	176958	157215	2050	1.3	157215.414022		ug/L
Br	79	4	41	9	23.2	36.666760		ug/L
Cl	35	331	403	18	4.5	72.502909		ug/L
C	13	1716	1995	24	1.2	279.223603		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	88.843
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122118-BLK1

Sample Description: 10x

Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:26:03

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 301

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122118-BLK1.236

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	5	3	69.3	0.000012	0.0595	ug/L
Se	78	3	3	0	10.1	0.000002	-0.0088	ug/L
Se	77	1	1	1	83.3	0.000000	-0.1375	ug/L
Rh	103	176958	159116	9116	5.7	159115.871433		ug/L
Br	79	4	817	295	36.2	812.539879		ug/L
Cl	35	331	425	26	6.2	94.170576		ug/L
C	13	1716	2081	14	0.7	365.076167		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	89.917
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122118-BLK2

Sample Description: 10x

Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:27:31

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 302

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122118-BLK2.237

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	3	1	34.6	0.000002	0.0384	ug/L
Se	78	3	3	1	30.9	0.000003	0.0041	ug/L
Se	77	1	1	1	40.0	0.000003	-0.0021	ug/L
Rh	103	176958	161270	5512	3.4	161269.778565		ug/L
Br	79	4	221	18	8.2	216.669359		ug/L
Cl	35	331	415	9	2.1	84.170091		ug/L
C	13	1716	2010	82	4.1	294.227133		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.135
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122118-BLK3
Sample Description: 10x
Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:29:00
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 303

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122118-BLK3.238
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	1	2	114.6	-0.000010	0.0130	ug/L
Se	78	3	2	1	35.0	-0.000001	-0.0681	ug/L
Se	77	1	1	0	32.7	0.000002	-0.0327	ug/L
Rh	103	176958	159591	2144	1.3	159591.291411		ug/L
Br	79	4	133	15	11.3	129.167651		ug/L
Cl	35	331	412	45	10.9	80.836677		ug/L
C	13	1716	2110	167	7.9	394.250572		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	90.186
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122118-BLK4

Sample Description: 10x

Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:30:28

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 304

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122118-BLK4.239

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	3	2	45.8	0.000002	0.0387	ug/L
Se	78	3	3	1	35.8	0.000005	0.0330	ug/L
Se	77	1	1	0	17.3	-0.000000	-0.1646	ug/L
Rh	103	176958	161172	3486	2.2	161172.423918		ug/L
Br	79	4	119	44	36.7	115.000850		ug/L
Cl	35	331	382	39	10.2	50.835350		ug/L
C	13	1716	2124	97	4.5	408.419858		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.080
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122118-BS1

Sample Description: 10x

Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:31:57

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 305

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122118-BS1.240

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	8285	97	1.2	0.051710	108.0793	ug/L
Se	78	3	237	10	4.2	0.001465	26.8405	ug/L
Se	77	1	71	7	9.3	0.000436	26.6480	ug/L
Rh	103	176958	160192	2769	1.7	160191.825561		ug/L
Br	79	4	105	15	14.3	100.833946		ug/L
Cl	35	331	354	5	1.5	23.334183		ug/L
C	13	1716	2154	138	6.4	437.593745		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	90.525
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122118-SRM1

Sample Description: 10x

Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:33:25

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 306

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122118-SRM1.241

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	3533	92	2.6	0.023020	48.1333	ug/L
Se	78	3	220	8	3.5	0.001416	25.9448	ug/L
Se	77	1	65	2	2.5	0.000417	25.4842	ug/L
Rh	103	176958	153326	1731	1.1	153326.456311		ug/L
Br	79	4	383	4	1.0	379.174748		ug/L
Cl	35	331	386	14	3.7	55.002145		ug/L
C	13	1716	2004	135	6.7	287.559418		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	86.646
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122118-SRM2

Sample Description: 10x

Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:34:54

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 307

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122118-SRM2.242

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	10572	94	0.9	0.066713	139.4266	ug/L
Se	78	3	325	8	2.5	0.002037	37.3435	ug/L
Se	77	1	101	8	8.0	0.000634	38.7873	ug/L
Rh	103	176958	158439	1719	1.1	158438.835888		ug/L
Br	79	4	555	23	4.1	550.850292		ug/L
Cl	35	331	407	21	5.2	75.836395		ug/L
C	13	1716	2028	69	3.4	311.730948		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	89.535
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVE

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 19:36:24

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCVE.243

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4293	20	0.5	0.026781	5.5991	ug/L
Se	78	3	449	17	3.8	0.002788	5.1113	ug/L
Se	77	1	134	3	2.4	0.000832	5.0955	ug/L
Rh	103	176958	160270	4516	2.8	160270.311963		ug/L
Br	79	4	48	17	34.4	44.166804		ug/L
Cl	35	331	403	11	2.8	71.669531		ug/L
C	13	1716	1993	24	1.2	276.723055		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	90.570
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBE

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 19:37:54

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCBE.244

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	7	2	24.7	0.000025	0.0086	ug/L
Se	78	3	4	1	21.5	0.000008	0.0101	ug/L
Se	77	1	2	1	63.5	0.000008	0.0349	ug/L
Rh	103	176958	160640	2221	1.4	160640.372668		ug/L
Br	79	4	29	15	50.2	25.000053		ug/L
Cl	35	331	406	23	5.6	75.003027		ug/L
C	13	1716	1979	55	2.8	262.553384		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	90.779
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246025-04

Sample Description: 10x

Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:39:25

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 308

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246025-04.245

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	18	2	9.6	0.000092	0.2277	ug/L
Se	78	3	33	5	14.5	0.000186	3.3716	ug/L
Se	77	1	10	1	5.1	0.000055	3.2172	ug/L
Rh	103	176958	161965	1397	0.9	161965.129292		ug/L
Br	79	4	116	10	8.7	111.667407		ug/L
Cl	35	331	394	46	11.6	63.335905		ug/L
C	13	1716	1976	69	3.5	260.052901		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.527
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122118-DUP1

Sample Description: 10x

Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:40:53

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 309

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122118-DUP1.246

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	24	5	18.5	0.000139	0.3260	ug/L
Se	78	3	34	2	5.7	0.000202	3.6620	ug/L
Se	77	1	10	1	12.9	0.000061	3.5972	ug/L
Rh	103	176958	154329	3888	2.5	154329.482115		ug/L
Br	79	4	114	7	6.3	110.000717		ug/L
Cl	35	331	430	35	8.1	99.170831		ug/L
C	13	1716	1997	78	3.9	280.890840		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	87.213
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122118-MS1

Sample Description: 10x

Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:42:22

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 310

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122118-MS1.247

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	8383	60	0.7	0.053001	110.7759	ug/L
Se	78	3	266	4	1.6	0.001665	30.5063	ug/L
Se	77	1	82	2	1.8	0.000511	31.2326	ug/L
Rh	103	176958	158122	1263	0.8	158121.669777		ug/L
Br	79	4	73	24	33.1	69.166983		ug/L
Cl	35	331	388	12	3.0	57.502249		ug/L
C	13	1716	2072	98	4.7	355.907754		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	89.356
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122118-MSD1

Sample Description: 10x

Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:43:50

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 311

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122118-MSD1.248

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	8663	58	0.7	0.055413	115.8167	ug/L
Se	78	3	275	13	4.6	0.001746	32.0002	ug/L
Se	77	1	83	2	2.2	0.000524	32.0394	ug/L
Rh	103	176958	156283	1475	0.9	156282.800035		ug/L
Br	79	4	62	9	15.3	57.500211		ug/L
Cl	35	331	418	72	17.2	87.503764		ug/L
C	13	1716	1978	76	3.9	261.719971		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	88.316
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246025-05
Sample Description: 10x
Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:45:19
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 312

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246025-05.249
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	25	2	6.0	0.000147	0.3417	ug/L
Se	78	3	34	3	9.8	0.000207	3.7578	ug/L
Se	77	1	10	2	21.6	0.000059	3.4572	ug/L
Rh	103	176958	153065	3814	2.5	153065.018714		ug/L
Br	79	4	88	1	1.6	84.167094		ug/L
Cl	35	331	423	40	9.4	91.670492		ug/L
C	13	1716	1860	130	7.0	144.195575		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	86.498
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1246025-06
Sample Description: 10x
Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:46:47
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 313

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1246025-06.250
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	19	4	22.3	0.000104	0.2515	ug/L
Se	78	3	28	1	2.2	0.000168	3.0401	ug/L
Se	77	1	8	2	19.2	0.000046	2.6765	ug/L
Rh	103	176958	152366	552	0.4	152366.250699		ug/L
Br	79	4	59	11	19.1	55.000196		ug/L
Cl	35	331	392	4	1.0	60.835721		ug/L
C	13	1716	1994	82	4.1	277.556797		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	86.103
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-01

Sample Description: 10x

Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:48:16

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 314

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245005-01.251

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	938	43	4.6	0.006540	13.6994	ug/L
Se	78	3	7	1	17.6	0.000037	0.6236	ug/L
Se	77	1	4	1	14.5	0.000020	1.0554	ug/L
Rh	103	176958	143083	1905	1.3	143083.175046		ug/L
Br	79	4	313	57	18.1	308.338820		ug/L
Cl	35	331	443	36	8.2	112.504808		ug/L
C	13	1716	2018	113	5.6	301.729019		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	80.857
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122118-DUP2

Sample Description: 10x

Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:49:44

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 315

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122118-DUP2.252

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	610	11	1.8	0.004152	8.7109	ug/L
Se	78	3	8	3	38.0	0.000038	0.6551	ug/L
Se	77	1	2	0	19.2	0.000010	0.4629	ug/L
Rh	103	176958	146317	1054	0.7	146317.287511		ug/L
Br	79	4	348	35	10.2	343.340020		ug/L
Cl	35	331	448	41	9.2	117.505067		ug/L
C	13	1716	2100	141	6.7	384.247967		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	82.685
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122118-MS2

Sample Description: 10x

Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:51:13

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 316

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122118-MS2.253

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	9027	37	0.4	0.062206	130.0101	ug/L
Se	78	3	234	13	5.4	0.001596	29.2344	ug/L
Se	77	1	71	6	8.3	0.000485	29.6501	ug/L
Rh	103	176958	145085	1994	1.4	145085.381025		ug/L
Br	79	4	333	38	11.6	328.339467		ug/L
Cl	35	331	395	31	7.9	64.169233		ug/L
C	13	1716	2173	114	5.3	456.764753		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	81.989
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122118-MSD2

Sample Description: 10x

Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:52:41

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 317

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122118-MSD2.254

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	9148	9	0.1	0.062222	130.0433	ug/L
Se	78	3	232	6	2.7	0.001564	28.6508	ug/L
Se	77	1	70	7	10.3	0.000472	28.8414	ug/L
Rh	103	176958	146980	995	0.7	146980.351320		ug/L
Br	79	4	293	26	8.9	288.338062		ug/L
Cl	35	331	462	39	8.4	130.839061		ug/L
C	13	1716	2132	114	5.3	415.921745		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	83.060
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVF

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 19:54:12

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCVF.255

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4332	99	2.3	0.027400	5.7285	ug/L
Se	78	3	437	2	0.4	0.002753	5.0469	ug/L
Se	77	1	132	4	3.1	0.000828	5.0745	ug/L
Rh	103	176958	157994	593	0.4	157994.441773		ug/L
Br	79	4	26	1	5.6	21.666702		ug/L
Cl	35	331	400	3	0.6	69.169416		ug/L
C	13	1716	2126	62	2.9	410.086715		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	89.284
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBF

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 19:55:41

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCBF.256

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	8	3	33.1	0.000032	0.0101	ug/L
Se	78	3	4	0	3.6	0.000009	0.0108	ug/L
Se	77	1	1	0	20.0	0.000003	0.0003	ug/L
Rh	103	176958	157988	2500	1.6	157987.873238		ug/L
Br	79	4	14	8	53.9	10.000012		ug/L
Cl	35	331	417	23	5.6	85.836851		ug/L
C	13	1716	2107	58	2.8	390.915568		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	89.280
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-02
Sample Description: 10x
Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:57:12
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 318

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245005-02.257
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	932	24	2.6	0.006102	12.7855	ug/L
Se	78	3	15	2	11.2	0.000080	1.4208	ug/L
Se	77	1	4	3	58.4	0.000023	1.2694	ug/L
Rh	103	176958	152260	1109	0.7	152260.365151		ug/L
Br	79	4	119	10	8.7	115.000784		ug/L
Cl	35	331	422	16	3.9	90.837072		ug/L
C	13	1716	2103	74	3.5	386.748012		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	86.043
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-03
Sample Description: 10x
Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 19:58:40
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 319

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245005-03.258
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	1058	34	3.2	0.007392	15.4793	ug/L
Se	78	3	15	1	8.0	0.000088	1.5686	ug/L
Se	77	1	5	1	11.1	0.000026	1.4544	ug/L
Rh	103	176958	142775	606	0.4	142774.935255		ug/L
Br	79	4	378	52	13.7	373.341268		ug/L
Cl	35	331	423	39	9.3	91.670491		ug/L
C	13	1716	2235	58	2.6	519.279550		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	80.683
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-04

Sample Description: 10x

Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 20:00:09

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 320

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245005-04.259

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	801	36	4.5	0.005524	11.5763	ug/L
Se	78	3	15	1	4.2	0.000090	1.6052	ug/L
Se	77	1	5	1	26.9	0.000026	1.4608	ug/L
Rh	103	176958	144605	2109	1.5	144605.339871		ug/L
Br	79	4	307	49	15.9	302.505259		ug/L
Cl	35	331	422	17	3.9	90.837072		ug/L
C	13	1716	2189	152	6.9	473.435787		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	81.717
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-05
Sample Description: 10x
Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 20:01:37
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 321

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245005-05.260
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	808	13	1.6	0.005565	11.6618	ug/L
Se	78	3	17	4	21.9	0.000101	1.8090	ug/L
Se	77	1	5	0	6.3	0.000026	1.4632	ug/L
Rh	103	176958	144782	427	0.3	144782.134456		ug/L
Br	79	4	316	42	13.2	311.672215		ug/L
Cl	35	331	443	26	6.0	112.504785		ug/L
C	13	1716	2189	181	8.3	472.602613		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	81.817
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-06

Sample Description: 10x

Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 20:03:06

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 322

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245005-06.261

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	548	24	4.3	0.003790	7.9538	ug/L
Se	78	3	6	2	25.7	0.000025	0.4171	ug/L
Se	77	1	2	0	24.7	0.000007	0.2645	ug/L
Rh	103	176958	143901	1433	1.0	143900.874069		ug/L
Br	79	4	315	43	13.7	310.838858		ug/L
Cl	35	331	434	43	9.8	103.337717		ug/L
C	13	1716	2082	54	2.6	365.909791		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	81.319
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-07

Sample Description: 10x

Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 20:04:34

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 323

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245005-07.262

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	814	30	3.7	0.005672	11.8869	ug/L
Se	78	3	11	1	10.1	0.000062	1.0876	ug/L
Se	77	1	3	1	20.1	0.000013	0.6269	ug/L
Rh	103	176958	143031	2332	1.6	143030.757899		ug/L
Br	79	4	362	18	4.9	357.507204		ug/L
Cl	35	331	463	51	11.1	132.505853		ug/L
C	13	1716	2206	66	3.0	490.105798		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	80.828
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1245005-08

Sample Description: 10x

Batch ID: B122118

Sample Date/Time: Wednesday, November 28, 2012 20:06:03

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 324

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1245005-08.263

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	1734	28	1.6	0.012176	25.4754	ug/L
Se	78	3	25	2	8.7	0.000159	2.8692	ug/L
Se	77	1	8	1	6.1	0.000053	3.0855	ug/L
Rh	103	176958	142181	1305	0.9	142180.779489		ug/L
Br	79	4	286	19	6.7	281.671172		ug/L
Cl	35	331	427	37	8.8	95.837347		ug/L
C	13	1716	2264	80	3.5	548.453548		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	80.347
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVG

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 20:07:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCVG.264

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4365	121	2.8	0.027238	5.6946	ug/L
Se	78	3	429	16	3.8	0.002661	4.8791	ug/L
Se	77	1	129	7	5.1	0.000799	4.8922	ug/L
Rh	103	176958	160193	2247	1.4	160193.426611		ug/L
Br	79	4	32	3	9.1	27.500054		ug/L
Cl	35	331	427	19	4.4	95.837308		ug/L
C	13	1716	2123	39	1.8	406.752517		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	90.526
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBG

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 20:09:02

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCBG.265

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	6	2	24.1	0.000021	0.0078	ug/L
Se	78	3	3	1	16.7	0.000006	0.0056	ug/L
Se	77	1	2	0	18.2	0.000005	0.0124	ug/L
Rh	103	176958	160511	1156	0.7	160511.328076		ug/L
Br	79	4	13	11	87.2	8.333345		ug/L
Cl	35	331	423	18	4.3	91.670446		ug/L
C	13	1716	2085	9	0.4	369.243784		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	90.706
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122104-BLK1

Sample Description: 50x

Batch ID: B122104

Sample Date/Time: Wednesday, November 28, 2012 20:10:32

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 325

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122104-BLK1.266

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4	2	50.0	0.000006	0.2389	ug/L
Se	78	3	2	1	27.7	-0.000001	-0.3460	ug/L
Se	77	1	1	1	40.0	0.000003	-0.0203	ug/L
Rh	103	176958	160579	3170	2.0	160579.493937		ug/L
Br	79	4	28	6	20.4	24.166711		ug/L
Cl	35	331	543	21	3.9	212.510203		ug/L
C	13	1716	2179	18	0.8	462.599015		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	90.744
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122104-BLK2

Sample Description: 50x

Batch ID: B122104

Sample Date/Time: Wednesday, November 28, 2012 20:12:00

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 326

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122104-BLK2.267

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	5	1	12.4	0.000011	0.2909	ug/L
Se	78	3	3	0	18.1	0.000002	-0.0591	ug/L
Se	77	1	1	0	34.6	0.000003	0.0671	ug/L
Rh	103	176958	155316	4269	2.7	155316.184924		ug/L
Br	79	4	30	13	44.1	25.833388		ug/L
Cl	35	331	577	55	9.5	245.845682		ug/L
C	13	1716	2117	150	7.1	400.918596		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	87.770
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122104-BLK3

Sample Description: 50x

Batch ID: B122104

Sample Date/Time: Wednesday, November 28, 2012 20:13:29

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 327

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122104-BLK3.268

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	5	2	28.6	0.000015	0.3337	ug/L
Se	78	3	3	1	29.1	0.000001	-0.1365	ug/L
Se	77	1	1	0	27.0	0.000004	0.3676	ug/L
Rh	103	176958	156860	3579	2.3	156859.654969		ug/L
Br	79	4	23	11	48.3	19.166700		ug/L
Cl	35	331	516	14	2.8	185.008592		ug/L
C	13	1716	2099	115	5.5	382.580672		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	88.642
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122104-BLK4

Sample Description: 50x

Batch ID: B122104

Sample Date/Time: Wednesday, November 28, 2012 20:14:57

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 328

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122104-BLK4.269

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	327	10	2.9	0.002101	22.1250	ug/L
Se	78	3	2	1	33.1	-0.000003	-0.4894	ug/L
Se	77	1	1	0	12.4	0.000002	-0.0925	ug/L
Rh	103	176958	154241	2375	1.5	154240.993966		ug/L
Br	79	4	31	6	20.4	26.666719		ug/L
Cl	35	331	607	27	4.5	275.847553		ug/L
C	13	1716	2193	105	4.8	476.769480		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	87.163
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122104-BS1

Sample Description: 50x

Batch ID: B122104

Sample Date/Time: Wednesday, November 28, 2012 20:16:26

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 329

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122104-BS1.270

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	349	4	1.2	0.002257	23.7502	ug/L
Se	78	3	3	1	42.9	0.000003	0.0549	ug/L
Se	77	1	1	0	33.3	-0.000000	-0.9056	ug/L
Rh	103	176958	153543	3418	2.2	153542.873929		ug/L
Br	79	4	28	5	18.4	24.166710		ug/L
Cl	35	331	518	30	5.8	186.675379		ug/L
C	13	1716	2229	104	4.7	512.611519		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	86.768
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122104-SRM1

Sample Description: 50x

Batch ID: B122104

Sample Date/Time: Wednesday, November 28, 2012 20:17:54

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 330

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122104-SRM1.271

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	879	38	4.3	0.005729	60.0303	ug/L
Se	78	3	20	3	16.7	0.000116	10.3601	ug/L
Se	77	1	9	2	19.9	0.000053	15.5139	ug/L
Rh	103	176958	152825	2562	1.7	152824.910898		ug/L
Br	79	4	26	5	20.1	21.666703		ug/L
Cl	35	331	552	23	4.2	220.844041		ug/L
C	13	1716	2151	64	3.0	435.092604		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	86.362
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122104-SRM2

Sample Description: 50x

Batch ID: B122104

Sample Date/Time: Wednesday, November 28, 2012 20:19:23

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 331

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122104-SRM2.272

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	159608	601	0.4	1.037776	10841.9663	ug/L
Se	78	3	20	0	0.8	0.000115	10.2605	ug/L
Se	77	1	7	1	12.9	0.000040	11.5873	ug/L
Rh	103	176958	153804	1753	1.1	153804.431982		ug/L
Br	79	4	44	12	27.9	40.000111		ug/L
Cl	35	331	475	30	6.4	144.173059		ug/L
C	13	1716	2119	64	3.0	402.584974		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	86.916
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVH

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 20:20:53

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCVH.273

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4389	37	0.8	0.027719	5.7952	ug/L
Se	78	3	432	3	0.7	0.002717	4.9824	ug/L
Se	77	1	128	5	4.0	0.000805	4.9301	ug/L
Rh	103	176958	158241	2068	1.3	158241.320582		ug/L
Br	79	4	13	5	39.0	9.166676		ug/L
Cl	35	331	459	52	11.3	128.338977		ug/L
C	13	1716	2016	34	1.7	300.061556		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	89.423
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBH

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 20:22:23

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCBH.274

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	38	5	13.9	0.000216	0.0487	ug/L
Se	78	3	4	1	29.4	0.000009	0.0118	ug/L
Se	77	1	1	0	34.6	0.000003	-0.0009	ug/L
Rh	103	176958	161657	2389	1.5	161656.509272		ug/L
Br	79	4	2	1	86.6	-2.500001		ug/L
Cl	35	331	448	26	5.9	116.671656		ug/L
C	13	1716	1999	76	3.8	282.557857		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.353
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1244040-01

Sample Description: 50x

Batch ID: B122104

Sample Date/Time: Wednesday, November 28, 2012 20:23:54

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 332

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\1244040-01.275

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	407	18	4.3	0.002528	26.5813	ug/L
Se	78	3	15	3	17.0	0.000077	6.8075	ug/L
Se	77	1	6	0	2.4	0.000032	8.9812	ug/L
Rh	103	176958	159667	4919	3.1	159666.630456		ug/L
Br	79	4	36	16	45.4	31.666746		ug/L
Cl	35	331	548	51	9.3	216.677199		ug/L
C	13	1716	2138	168	7.9	421.757014		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	90.229
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122104-DUP1

Sample Description: 50x

Batch ID: B122104

Sample Date/Time: Wednesday, November 28, 2012 20:25:22

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 333

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122104-DUP1.276

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	327	28	8.7	0.002009	21.1619	ug/L
Se	78	3	14	1	8.7	0.000072	6.3663	ug/L
Se	77	1	5	1	13.2	0.000026	7.1234	ug/L
Rh	103	176958	161217	4610	2.9	161216.860035		ug/L
Br	79	4	36	11	31.5	31.666740		ug/L
Cl	35	331	543	30	5.6	211.676837		ug/L
C	13	1716	2075	38	1.8	359.241545		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.105
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122104-MS1

Sample Description: 50x

Batch ID: B122104

Sample Date/Time: Wednesday, November 28, 2012 20:26:51

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 334

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122104-MS1.277

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	760	21	2.7	0.004703	49.3062	ug/L
Se	78	3	17	2	9.8	0.000091	8.0611	ug/L
Se	77	1	7	0	5.7	0.000036	10.3132	ug/L
Rh	103	176958	161041	1921	1.2	161041.498812		ug/L
Br	79	4	38	7	17.6	33.333411		ug/L
Cl	35	331	525	37	7.0	194.175826		ug/L
C	13	1716	2203	64	2.9	486.771644		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.006
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B122104-MSD1

Sample Description: 50x

Batch ID: B122104

Sample Date/Time: Wednesday, November 28, 2012 20:28:19

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 335

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tm.u.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\B122104-MSD1.278

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	724	40	5.5	0.004472	46.8926	ug/L
Se	78	3	17	3	15.7	0.000092	8.1484	ug/L
Se	77	1	4	2	39.8	0.000022	6.0175	ug/L
Rh	103	176958	161278	1411	0.9	161278.076986		ug/L
Br	79	4	36	4	10.7	31.666736		ug/L
Cl	35	331	607	46	7.7	275.847605		ug/L
C	13	1716	2063	50	2.4	346.738739		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.139
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVI

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 20:29:50

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCVI.279

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4460	25	0.6	0.027750	5.8015	ug/L
Se	78	3	439	18	4.0	0.002717	4.9821	ug/L
Se	77	1	139	7	4.9	0.000859	5.2644	ug/L
Rh	103	176958	160631	1011	0.6	160630.901189		ug/L
Br	79	4	11	5	48.0	6.666673		ug/L
Cl	35	331	404	36	9.0	73.336316		ug/L
C	13	1716	2069	138	6.7	352.574008		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	90.774
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBI

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 20:31:20

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam

Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth

Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-CCBI.280

Calibration File: C:\Elandata\System\2012\11-12\1200890.cal

Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	10	3	34.6	0.000043	0.0124	ug/L
Se	78	3	5	1	23.0	0.000014	0.0200	ug/L
Se	77	1	1	0	12.4	0.000002	-0.0042	ug/L
Rh	103	176958	162508	1121	0.7	162507.997681		ug/L
Br	79	4	10	9	86.6	5.833340		ug/L
Cl	35	331	423	39	9.2	91.670489		ug/L
C	13	1716	2007	44	2.2	290.892887		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.834
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 20:32:51
 Diluted To Volume (mL):
 Aliquot Volume (mL):
 Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\rinse.281
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	8	2	30.1	0.000028	0.0094	ug/L
Se	78	3	3	1	24.7	0.000002	-0.0009	ug/L
Se	77	1	1	1	83.3	0.000000	-0.0137	ug/L
Rh	103	176958	162913	721	0.4	162912.617249		ug/L
Br	79	4	12	3	24.7	7.500006		ug/L
Cl	35	331	423	29	6.8	92.503836		ug/L
C	13	1716	2081	90	4.3	365.076458		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.063
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID:

Sample Date/Time: Wednesday, November 28, 2012 20:34:20
 Diluted To Volume (mL):
 Aliquot Volume (mL):
 Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\11-12\1200890.sam
 Method File: C:\Elandata\Method\2012\11-12\1200890-0060-icpms2-tmu.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\11-12\1200890\rinse.282
 Calibration File: C:\Elandata\System\2012\11-12\1200890.cal
 Blank File: C:\Elandata\DataSet\Data\2012\11-12\1200890\SEQ-ICB1.093

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	3	4	1	15.7	0.000004	0.0043	ug/L
Se	78	3	3	1	44.6	0.000001	-0.0041	ug/L
Se	77	1	1	0	17.3	-0.000000	-0.0167	ug/L
Rh	103	176958	161623	4614	2.9	161623.147070		ug/L
Br	79	4	13	3	20.0	8.333341		ug/L
Cl	35	331	437	6	1.4	105.837772		ug/L
C	13	1716	1899	46	2.4	183.369796		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.334
Br	79	
Cl	35	
C	13	

Batch:	B122172	Analyte:	%TS	Date:	12/5/12	MDL:		0.13
Analyst:	AAP	Matrix:	BIOTA			MRL:		0.44
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.								
Work Order #	Dish ID	Tare Wt. (g)	Gross Wet Wt. (g)	Gross Dry Wt. (g)	Net Wet Wt. (g)	Net Dry Wt. (g)	Dry Wt. %	Comments
1245005-01		0.978	2.011	1.098	1.033	0.120	11.62	
1245005-02		1.004	3.720	1.173	2.716	0.169	6.22	
1245005-03		1.007	2.925	1.288	1.918	0.281	14.65	
1245005-04		1.024	3.313	1.352	2.289	0.328	14.33	
1245005-05		0.978	3.061	1.281	2.083	0.303	14.55	
1245005-06		1.024	2.984	1.280	1.960	0.256	13.06	
1245005-07		1.024	2.958	1.306	1.934	0.282	14.58	
1245005-08		1.020	3.087	1.338	2.067	0.318	15.38	
1246025-04	A	1.014	4.036	1.607	3.022	0.593	19.62	
1246025-05	B	1.025	4.062	1.556	3.037	0.531	17.48	
1246025-06	C	1.044	4.017	1.570	2.973	0.526	17.69	
B122172-BLK1		0.996		0.994		-0.002	-0.09	-0.07 = MB Avg
B122172-BLK2		1.006		1.005		-0.001	-0.04	0.03 = MB StDev
B122172-DUP1		1.043	2.742	1.296	1.699	0.253	14.89	2%
B122172-DUP2		1.041	3.929	1.550	2.888	0.509	17.62	1%
							2.28	Rep Wt.

Dry Weight (% Solids) Bench Sheet (BR-1501 Rev 005)

Batch #: B122172

Analyst: AAP

Date: 12-5-12

Page 1 of 1

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)
1245005-01		0.978	2.011 ^{AAP} 12-10-12	1.098		
-02		1.004	3.720	1.173		
-03		1.007	2.925	1.288		
-04		1.024	3.313	1.352		
-05		0.978	3.061	1.281		
-06		1.024	2.984	1.280		
-07		1.024	2.958	1.306		
-08		1.020	3.081	1.338		
1246025-04	A	1.014	4.036	1.607		
-05	B	1.025	4.062	1.556		
-06	C	1.041	4.017	1.576		
B122172-BLK1		0.996	—	0.994		
-BLK2		1.006	—	1.005		
-DUP1 05-05		1.043	2.742	1.296		
-DUP2 25-05		1.041	3.929	1.550		
12-5-12 AAP						

* 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: PL-10

- Time / Date / Temp** in: 0940 / 12-5-12 / 114, 114°C
- Time / Date / Temp** in: _____
- Time / Date / Temp** in: _____

- Time / Date / Temp** out: 0850 / 12-10-12 / 116, 116°
- Time / Date / Temp** out: _____
- Time / Date / Temp** out: _____ (if necessary)

Reweight Analyst: BUT

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 1245005

(BR-0106 Rev 003)

Prep Technician: AAP

Date: 12.5.12

Batch(es): B122171, 2172

Sample ID	Matrix/Submatrix	Physical Characteristics
1245005-01	Biota / ^{Brown} Shrimp	orange water w/ small particles, orange, stringy goops
-02		watery, brown-orange, small white & pink shrimp, black specs
-03		watery, brown, small brown specks & shrimp
-04		
-05		
-06		
-07		watery, less shrimp, orange, small particles
-08		limited vol., pink shrimp in brown water, particles
1246025-04	/fish	watery, brown, pink shrimp
-05		black, mushy, moist, smelly, crunchy, small vol. / mass
-06		limited vol.
12.5.12-AAP		

Additional Notes: _____
