

Report of Trace Metals Analyses Biota

Project: Great Salt Lake Water Quality Sampling Plan
Samples Collected: June 1 – July 24, 2012
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Case Narrative

Shipping and Receiving

On August 3, 2012, seven (7) invertebrates, eighteen (18) duck eggs, and two (2) sediment samples were received at 2:05 P.M. in one cooler at an ambient temperature. The cooler was inadvertently shipped to a residential address, which caused a delivery delay and consequently all samples thawed. The client was immediately notified and decided to re-sample the sediments. The biota samples were irreplaceable and the client agreed to proceed with the analyses. The client will not be charged for the analysis as the mistake in the delivery address was made in part by BRL. Worth noting the requested analyses, total mercury (Hg) and selenium (Se), are extremely stable in tissue samples at elevated temperatures. The results were none-the-less qualified **H** in accordance to EPA methodology. The samples were received and stored securely according to BRL standard operating procedures (SOP) and EPA methodology.

Preservation and Holding Time

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

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

Tissue samples are prepared by a hot re-fluxing HNO₃/H₂SO₄ digestion. Samples are oxidized with bromine monochloride (BrCl) and then analyzed with stannous chloride (SnCl₂) reduction, single gold amalgamation, and cold vapor atomic fluorescence spectroscopy (CVAFS) detection using a BRL Model III CVAFS Mercury Analyzer.

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

Sequence 1200634

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

Batch B121426

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

Trace Metals EPA Method 1638 modified (BR-0070)

Total As and total Se analysis is performed by EPA Draft Method 1638 (modified) using inductively coupled plasma - mass spectrometry (ICP-MS) with Dynamic Reaction Cell (DRC™) technology. The analysis of all other metals used ICP-MS in standard mode. Prior to analysis, 0.5 mg aliquots of the samples are digested with 10 mL ultra-pure nitric acid and 100 µL hydrogen peroxide and heating for a minimum of four hours at 100 °C. Aliquots of digested sample are analyzed utilizing internal standardization. This method incorporates ionization of

the sample in an inductively-coupled RF plasma, with detection of the resulting ions by mass spectrometer on the basis of their mass-to-charge ratio. All sample results were reported on a ng/g dry-weight basis.

Sequence 1200676

The result of the initial calibration blank (ICB2) was greater than the low calibration standard. No samples were bracketed by this ICB and ICB3 was less than the low calibration standard. The elevated result was likely carryover from the analysis of the high calibration standard.

The closing continuing calibration blank CCBJ was slightly greater than the low calibration standard. The result at the instrument was 10x less than the bracketing sample results and contamination was considered insignificant.

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

Batch B121449

The results above the MDL and less than or equal to the MRL were qualified **B** and should be considered estimates.

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

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


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

The results may have been evaluated using reporting limits that have been adjusted to account for sample aliquot size. Please refer to the Sample Results page for sample-specific MDLs, MRLs, and other details.

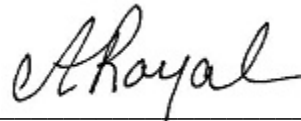
Batch B121427

Due to limited volume invertebrate sample *OGBA-invert-005-12* (1232023-03) could not be analyzed. 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
HC-001-12	1232023-01	Inverts	Sample	06/01/2012	08/03/2012
OGBA-invert-001-12	1232023-02	Inverts	Sample	06/22/2012	08/03/2012
OGBA-invert-005-12	1232023-03	Inverts	Sample	06/11/2012	08/03/2012
AIC-invert-12	1232023-04	Inverts	Sample	07/24/2012	08/03/2012
AIC-invert-001-12	1232023-05	Inverts	Sample	06/20/2012	08/03/2012
AIC-invert-002-12	1232023-06	Inverts	Sample	06/29/2012	08/03/2012
AIC-invert-003-12	1232023-07	Inverts	Sample	06/29/2012	08/03/2012
AEL-001-12	1232023-08	Duck Eggs	Sample	06/11/2012	08/03/2012
AEL-002-12	1232023-09	Duck Eggs	Sample	06/11/2012	08/03/2012
AEL-003-12	1232023-10	Duck Eggs	Sample	06/11/2012	08/03/2012
AEL-004-12	1232023-11	Duck Eggs	Sample	06/11/2012	08/03/2012
AEL-005-12	1232023-12	Duck Eggs	Sample	06/11/2012	08/03/2012
AEL-006-12	1232023-13	Duck Eggs	Sample	06/11/2012	08/03/2012
AEL-007-12	1232023-14	Duck Eggs	Sample	06/11/2012	08/03/2012
AEL-008-12	1232023-15	Duck Eggs	Sample	06/20/2012	08/03/2012
AEL-009-12	1232023-16	Duck Eggs	Sample	06/20/2012	08/03/2012
AEL-010-12	1232023-17	Duck Eggs	Sample	06/20/2012	08/03/2012
AEL-011-12	1232023-18	Duck Eggs	Sample	06/20/2012	08/03/2012
AEL-012-12	1232023-19	Duck Eggs	Sample	06/20/2012	08/03/2012
AEL-013-12	1232023-20	Duck Eggs	Sample	06/20/2012	08/03/2012
AEL-014-12	1232023-21	Duck Eggs	Sample	06/20/2012	08/03/2012
AEL-015-12	1232023-22	Duck Eggs	Sample	06/20/2012	08/03/2012
AEL-016-12	1232023-23	Duck Eggs	Sample	06/20/2012	08/03/2012
AEL-017-12	1232023-24	Duck Eggs	Sample	06/20/2012	08/03/2012
AEL-018-12	1232023-25	Duck Eggs	Sample	06/20/2012	08/03/2012

Batch Summary

Analyte	Lab Matrix	Method	Prepared	Analyzed	Batch	Sequence
%TS	Biota	SM 2540G	08/13/2012	08/15/2012	B121427	N/A
Hg	Biota	EPA 1631 Appendix	08/14/2012	08/15/2012	B121426	1200634
Se	Biota	EPA 1638 DRC	08/15/2012	08/30/2012	B121449	1200676



Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
AEL-001-12										
1232023-08	%TS	Duck Eggs	NA	33.30		0.25	0.85	%	B121427	N/A
1232023-08	Hg	Duck Eggs	dry	295	H	0.33	1.11	ng/g	B121426	1200634
1232023-08	Se	Duck Eggs	dry	1.13	H	0.16	0.40	mg/kg	B121449	1200676
AEL-002-12										
1232023-09	%TS	Duck Eggs	NA	31.69		0.25	0.85	%	B121427	N/A
1232023-09	Hg	Duck Eggs	dry	747	H	0.36	1.19	ng/g	B121426	1200634
1232023-09	Se	Duck Eggs	dry	2.03	H	0.18	0.44	mg/kg	B121449	1200676
AEL-003-12										
1232023-10	%TS	Duck Eggs	NA	32.14		0.25	0.85	%	B121427	N/A
1232023-10	Hg	Duck Eggs	dry	546	H	0.36	1.21	ng/g	B121426	1200634
1232023-10	Se	Duck Eggs	dry	1.75	H	0.17	0.44	mg/kg	B121449	1200676
AEL-004-12										
1232023-11	%TS	Duck Eggs	NA	31.05		0.25	0.85	%	B121427	N/A
1232023-11	Hg	Duck Eggs	dry	358	H	0.36	1.20	ng/g	B121426	1200634
1232023-11	Se	Duck Eggs	dry	1.13	H	0.18	0.45	mg/kg	B121449	1200676
AEL-005-12										
1232023-12	%TS	Duck Eggs	NA	31.23		0.25	0.85	%	B121427	N/A
1232023-12	Hg	Duck Eggs	dry	216	H	0.37	1.23	ng/g	B121426	1200634
1232023-12	Se	Duck Eggs	dry	1.29	H	0.17	0.43	mg/kg	B121449	1200676
AEL-006-12										
1232023-13	%TS	Duck Eggs	NA	29.84		0.25	0.85	%	B121427	N/A
1232023-13	Hg	Duck Eggs	dry	297	H	0.39	1.30	ng/g	B121426	1200634
1232023-13	Se	Duck Eggs	dry	1.19	H	0.19	0.47	mg/kg	B121449	1200676
AEL-007-12										
1232023-14	%TS	Duck Eggs	NA	24.72		0.25	0.85	%	B121427	N/A
1232023-14	Hg	Duck Eggs	dry	415	H	0.48	1.61	ng/g	B121426	1200634
1232023-14	Se	Duck Eggs	dry	1.82	H	0.22	0.55	mg/kg	B121449	1200676



Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
AEL-008-12										
1232023-15	%TS	Duck Eggs	NA	27.87		0.25	0.85	%	B121427	N/A
1232023-15	Hg	Duck Eggs	dry	197	H	0.43	1.42	ng/g	B121426	1200634
1232023-15	Se	Duck Eggs	dry	1.21	H	0.21	0.51	mg/kg	B121449	1200676
AEL-009-12										
1232023-16	%TS	Duck Eggs	NA	24.57		0.25	0.85	%	B121427	N/A
1232023-16	Hg	Duck Eggs	dry	328	H	0.45	1.51	ng/g	B121426	1200634
1232023-16	Se	Duck Eggs	dry	1.32	H	0.23	0.58	mg/kg	B121449	1200676
AEL-010-12										
1232023-17	%TS	Duck Eggs	NA	25.85		0.25	0.85	%	B121427	N/A
1232023-17	Hg	Duck Eggs	dry	271	H	0.46	1.55	ng/g	B121426	1200634
1232023-17	Se	Duck Eggs	dry	1.31	H	0.21	0.52	mg/kg	B121449	1200676
AEL-011-12										
1232023-18	%TS	Duck Eggs	NA	27.68		0.25	0.85	%	B121427	N/A
1232023-18	Hg	Duck Eggs	dry	157	H	0.41	1.38	ng/g	B121426	1200634
1232023-18	Se	Duck Eggs	dry	1.29	H	0.18	0.46	mg/kg	B121449	1200676
AEL-012-12										
1232023-19	%TS	Duck Eggs	NA	27.39		0.25	0.85	%	B121427	N/A
1232023-19	Hg	Duck Eggs	dry	589	H	0.41	1.36	ng/g	B121426	1200634
1232023-19	Se	Duck Eggs	dry	2.84	H	0.19	0.48	mg/kg	B121449	1200676
AEL-013-12										
1232023-20	%TS	Duck Eggs	NA	25.46		0.25	0.85	%	B121427	N/A
1232023-20	Hg	Duck Eggs	dry	765	H	1.11	3.71	ng/g	B121426	1200634
1232023-20	Se	Duck Eggs	dry	1.47	H	0.20	0.50	mg/kg	B121449	1200676
AEL-014-12										
1232023-21	%TS	Duck Eggs	NA	23.03		0.25	0.85	%	B121427	N/A
1232023-21	Hg	Duck Eggs	dry	700	H	0.50	1.67	ng/g	B121426	1200634
1232023-21	Se	Duck Eggs	dry	1.61	H	0.24	0.61	mg/kg	B121449	1200676



Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
AEL-015-12										
1232023-22	%TS	Duck Eggs	NA	26.41		0.25	0.85	%	B121427	N/A
1232023-22	Hg	Duck Eggs	dry	947	H	0.43	1.43	ng/g	B121426	1200634
1232023-22	Se	Duck Eggs	dry	1.43	H	0.21	0.53	mg/kg	B121449	1200676
AEL-016-12										
1232023-23	%TS	Duck Eggs	NA	24.76		0.25	0.85	%	B121427	N/A
1232023-23	Hg	Duck Eggs	dry	206	H	0.47	1.56	ng/g	B121426	1200634
1232023-23	Se	Duck Eggs	dry	1.40	H	0.22	0.55	mg/kg	B121449	1200676
AEL-017-12										
1232023-24	%TS	Duck Eggs	NA	24.83		0.25	0.85	%	B121427	N/A
1232023-24	Hg	Duck Eggs	dry	227	H	0.48	1.59	ng/g	B121426	1200634
1232023-24	Se	Duck Eggs	dry	1.23	H	0.20	0.51	mg/kg	B121449	1200676
AEL-018-12										
1232023-25	%TS	Duck Eggs	NA	28.70		0.25	0.85	%	B121427	N/A
1232023-25	Hg	Duck Eggs	dry	1340	H	0.42	1.39	ng/g	B121426	1200634
1232023-25	Se	Duck Eggs	dry	1.47	H	0.26	0.65	mg/kg	B121449	1200676
AIC-invert-001-12										
1232023-05	%TS	Inverts	NA	23.01		0.25	0.85	%	B121427	N/A
1232023-05	Hg	Inverts	dry	118	H	0.50	1.68	ng/g	B121426	1200634
1232023-05	Se	Inverts	dry	0.83	H	0.24	0.59	mg/kg	B121449	1200676
AIC-invert-002-12										
1232023-06	%TS	Inverts	NA	13.10		0.25	0.85	%	B121427	N/A
1232023-06	Hg	Inverts	dry	22.5	H	0.89	2.98	ng/g	B121426	1200634
1232023-06	Se	Inverts	dry	0.68	H, B	0.43	1.06	mg/kg	B121449	1200676
AIC-invert-003-12										
1232023-07	%TS	Inverts	NA	18.53		0.25	0.85	%	B121427	N/A
1232023-07	Hg	Inverts	dry	44.1	H	1.29	4.31	ng/g	B121426	1200634
1232023-07	Se	Inverts	dry	0.61	H, B	0.32	0.79	mg/kg	B121449	1200676



Sample Results

Sample	Analyte	Report Matrix	Basis	Result	Qualifier	MDL	MRL	Unit	Batch	Sequence
AIC-invert-12										
1232023-04	%TS	Inverts	NA	30.46		0.25	0.85	%	B121427	N/A
1232023-04	Hg	Inverts	dry	356	H	0.98	3.27	ng/g	B121426	1200634
1232023-04	Se	Inverts	dry	1.20	H	0.17	0.43	mg/kg	B121449	1200676
HC-001-12										
1232023-01	%TS	Inverts	NA	29.30		0.25	0.85	%	B121427	N/A
1232023-01	Hg	Inverts	dry	427	H	1.01	3.37	ng/g	B121426	1200634
1232023-01	Se	Inverts	dry	1.35	H	0.18	0.45	mg/kg	B121449	1200676
OGBA-invert-001-12										
1232023-02	%TS	Inverts	NA	22.95		0.25	0.85	%	B121427	N/A
1232023-02	Hg	Inverts	dry	295	H	0.50	1.66	ng/g	B121426	1200634
1232023-02	Se	Inverts	dry	1.27	H	0.24	0.59	mg/kg	B121449	1200676
OGBA-invert-005-12										
1232023-03	Hg	Inverts	wet	18.1	H	1.18	3.95	ng/g	B121426	1200634
1232023-03	Se	Inverts	wet	0.28	H	0.11	0.27	mg/kg	B121449	1200676



Accuracy & Precision Summary

Batch: B121426
 Lab Matrix: Biota
 Method: EPA 1631 Appendix

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B121426-SRM1	Certified Reference Material (1219049, DORM-3) Hg		382.0	386.4	ng/g	101% 75-125	
B121426-SRM2	Certified Reference Material (1219049, DORM-3) Hg		382.0	395.3	ng/g	103% 75-125	
B121426-DUP1	Duplicate (1232023-01) Hg	427.1		463.8	ng/g dry		8% 30
B121426-MS1	Matrix Spike (1232023-01) Hg	427.1	2010	2287	ng/g dry	93% 70-130	
B121426-MSD1	Matrix Spike Duplicate (1232023-01) Hg	427.1	1985	2223	ng/g dry	90% 70-130	3% 30
B121426-DUP2	Duplicate (1232023-04) Hg	355.9		341.1	ng/g dry		4% 30
B121426-MS2	Matrix Spike (1232023-04) Hg	355.9	1954	2095	ng/g dry	89% 70-130	
B121426-MSD2	Matrix Spike Duplicate (1232023-04) Hg	355.9	1926	2072	ng/g dry	89% 70-130	1% 30
B121426-DUP3	Duplicate (1232023-20) Hg	764.6		741.5	ng/g dry		3% 30
B121426-MS3	Matrix Spike (1232023-20) Hg	764.6	2168	2610	ng/g dry	85% 70-130	
B121426-MSD3	Matrix Spike Duplicate (1232023-20) Hg	764.6	2182	2663	ng/g dry	87% 70-130	2% 30



Accuracy & Precision Summary

Batch: B121427
Lab Matrix: Biota
Method: SM 2540G

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B121427-DUP1	Duplicate (1232023-01) %TS	29.30		27.84	%		5% 15
B121427-DUP2	Duplicate (1232023-04) %TS	30.46		29.93	%		2% 15
B121427-DUP3	Duplicate (1232023-20) %TS	25.46		25.38	%		0.3% 15



Accuracy & Precision Summary

Batch: B121449
 Lab Matrix: Biota
 Method: EPA 1638 DRC

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B121449-BS1	Laboratory Fortified Blank (1212074) Se		1.500	1.19	mg/kg	80% 75-125	
B121449-SRM1	Certified Reference Material (1201032, DOLT-4 Dogfish Liver Certified for TM) Se		8.300	6.74	mg/kg	81% 75-125	
B121449-SRM2	Certified Reference Material (1051005, TORT-2) Se		5.630	4.99	mg/kg	89% 75-125	
B121449-DUP1	Duplicate (1232023-01) Se	1.35		1.39	mg/kg dry		3% 30
B121449-MS1	Matrix Spike (1232023-01) Se	1.35	4.672	5.12	mg/kg dry	81% 70-130	
B121449-MSD1	Matrix Spike Duplicate (1232023-01) Se	1.35	4.391	5.11	mg/kg dry	86% 70-130	0.3% 30
B121449-DUP2	Duplicate (1232023-04) Se	1.20		1.18	mg/kg dry		2% 30
B121449-MS2	Matrix Spike (1232023-04) Se	1.20	4.453	5.13	mg/kg dry	88% 70-130	
B121449-MSD2	Matrix Spike Duplicate (1232023-04) Se	1.20	4.791	5.64	mg/kg dry	92% 70-130	9% 30
B121449-DUP3	Duplicate (1232023-21) Se	1.61		1.47	mg/kg dry		9% 30
B121449-MS3	Matrix Spike (1232023-21) Se	1.61	6.204	7.18	mg/kg dry	90% 70-130	

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1232023
Client PM: Jodi Gardberg
Client PO: SS12208

Accuracy & Precision Summary

Batch: B121449
Lab Matrix: Biota
Method: EPA 1638 DRC

Sample	Analyte	Native	Spike	Result	Units	REC & Limits	RPD & Limits
B121449-MSD3	Matrix Spike Duplicate (1232023-21) Se	1.61	6.251	7.08	mg/kg dry	88% 70-130	1% 30

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1232023
Client PM: Jodi Gardberg
Client PO: SS12208

Method Blanks & Reporting Limits

Batch: B121426
Matrix: Biota
Method: EPA 1631 Appendix
Analyte: Hg

Sample	Result	Units		
B121426-BLK1	0.06	ng/g		
B121426-BLK2	0.04	ng/g		
B121426-BLK3	0.05	ng/g		
B121426-BLK4	0.04	ng/g		
	Average: 0.05		Standard Deviation: 0.01	MDL: 0.12
	Limit: 0.24		Limit: 0.08	MRL: 0.40

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1232023
Client PM: Jodi Gardberg
Client PO: SS12208

Method Blanks & Reporting Limits

Batch: B121427
Matrix: Biota
Method: SM 2540G
Analyte: %TS

Sample	Result	Units
B121427-BLK1	0.08	%
B121427-BLK2	0.00	%

Average: 0.04
Limit: 0.85

MDL: 0.25
MRL: 0.85

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1232023
Client PM: Jodi Gardberg
Client PO: SS12208

Method Blanks & Reporting Limits

Batch: B121449
Matrix: Biota
Method: EPA 1638 DRC
Analyte: Se 78

Sample	Result	Units			
B121449-BLK1	-0.0002	mg/kg			
B121449-BLK2	-0.002	mg/kg			
B121449-BLK3	-0.006	mg/kg			
B121449-BLK4	-0.004	mg/kg			
	Average: 0.00		Standard Deviation: 0.00	MDL: 0.06	
	Limit: 0.15		Limit: 0.06	MRL: 0.15	



Instrument Calibration

Sequence: 1200634
 Instrument: THG-06(MerxT)
 Date: 08/15/2012
 Analyte: Hg

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

Lab ID	True Value	Result	Units	REC & Limits	
1200634-IBL1		0.92	pg of Hg		
1200634-IBL2		1.13	pg of Hg		
1200634-IBL3		1.54	pg of Hg		
1200634-IBL4		1.92	pg of Hg		
1200634-CAL1	10.00	10.26	pg of Hg	103%	
1200634-CAL2	25.00	25.06	pg of Hg	100%	
1200634-CAL3	100.0	100.1	pg of Hg	100%	
1200634-CAL4	500.0	476.5	pg of Hg	95%	
1200634-CAL5	2500	2574	pg of Hg	103%	
1200634-CAL6	10000	9917	pg of Hg	99%	
1200634-ICV1	1568	1589	pg of Hg	101%	85-115
1200634-CCB1		4.84	pg of Hg		
1200634-CCV1	500.0	458.3	pg of Hg	92%	77-123
1200634-CCB2		2.93	pg of Hg		
1200634-CCB3		2.54	pg of Hg		
1200634-CCB4		2.48	pg of Hg		
1200634-CCV2	500.0	499.3	pg of Hg	100%	77-123
1200634-CCB5		4.46	pg of Hg		
1200634-CCV3	500.0	501.6	pg of Hg	100%	77-123
1200634-CCB6		2.93	pg of Hg		
1200634-CCV4	500.0	520.5	pg of Hg	104%	77-123
1200634-CCB7		4.79	pg of Hg		
1200634-CCV5	500.0	518.3	pg of Hg	104%	77-123
1200634-CCB8		3.49	pg of Hg		
1200634-CCV6	500.0	516.8	pg of Hg	103%	77-123
1200634-CCB9		3.79	pg of Hg		
1200634-CCV7	500.0	514.5	pg of Hg	103%	77-123
1200634-CCBA		7.50	pg of Hg		
1200634-CCV8	500.0	484.3	pg of Hg	97%	77-123
1200634-CCBB		7.19	pg of Hg		
1200634-ICV2	1568	1596	pg of Hg	102%	85-115
1200634-CCV9	500.0	508.4	pg of Hg	102%	77-123
1200634-CCBC		2.80	pg of Hg		
1200634-CCVA	500.0	505.2	pg of Hg	101%	77-123
1200634-CCBD		3.17	pg of Hg		
1200634-CCVB	500.0	491.5	pg of Hg	98%	77-123
1200634-CCBE		3.31	pg of Hg		
1200634-CCVC	500.0	491.8	pg of Hg	98%	77-123
1200634-CCBF		4.30	pg of Hg		
1200634-CCVD	500.0	507.0	pg of Hg	101%	77-123

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1232023
Client PM: Jodi Gardberg
Client PO: SS12208

Instrument Calibration

Sequence: 1200634
Instrument: THG-06(MerxT)
Date: 08/15/2012
Analyte: Hg

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

Lab ID	True Value	Result	Units	REC & Limits
1200634-CCBG		3.93	pg of Hg	
1200634-CCVE	500.0	514.0	pg of Hg	103% 77-123
1200634-CCBH		2.90	pg of Hg	



Instrument Calibration

Sequence: 1200676
 Instrument: ICP-MS-2
 Date: 08/30/2012
 Analyte: Se 78

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

Lab ID	True Value	Result	Units	REC & Limits	
1200676-ICB1		0.00	µg/L		
1200676-CAL1	0.05000	0.05	µg/L	96%	
1200676-CAL2	0.1000	0.10	µg/L	104%	
1200676-CAL3	0.2500	0.28	µg/L	111%	
1200676-CAL4	1.000	0.94	µg/L	94%	
1200676-CAL5	5.000	4.92	µg/L	98%	
1200676-CAL6	25.00	25.56	µg/L	102%	
1200676-CAL7	125.0	125.0	µg/L	100%	
1200676-CAL8	500.0	474.3	µg/L	95%	
1200676-ICB2		0.70	µg/L		
1200676-ICV1	10.00	10.08	µg/L	101%	85-115
1200676-ICB3		0.02	µg/L		
1200676-IBL1		0.01	µg/L		
1200676-IBL2		0.02	µg/L		
1200676-IBL3		0.009	µg/L		
1200676-IBL4		-0.009	µg/L		
1200676-SCV1	11.97	11.38	µg/L	95%	75-125
1200676-CCV1	1.000	0.99	µg/L	99%	75-125
1200676-CCB1		0.01	µg/L		
1200676-CCV2	1.000	0.98	µg/L	98%	75-125
1200676-CCB2		0.002	µg/L		
1200676-CCV3	1.000	0.94	µg/L	94%	75-125
1200676-CCB3		-0.002	µg/L		
1200676-CCV4	1.000	1.02	µg/L	102%	75-125
1200676-CCB4		0.01	µg/L		
1200676-CCV5	1.000	0.92	µg/L	92%	75-125
1200676-CCB5		-0.002	µg/L		
1200676-CCV6	1.000	0.87	µg/L	87%	75-125
1200676-CCB6		-0.003	µg/L		
1200676-CCV7	5.000	4.86	µg/L	97%	75-125
1200676-CCB7		0.01	µg/L		
1200676-CCV8	5.000	4.90	µg/L	98%	75-125
1200676-CCB8		0.01	µg/L		
1200676-CCV9	5.000	4.90	µg/L	98%	75-125
1200676-CCB9		0.009	µg/L		
1200676-CCVA	5.000	4.97	µg/L	99%	75-125
1200676-CCBA		-0.002	µg/L		
1200676-CCVB	5.000	4.40	µg/L	88%	75-125
1200676-CCBB		-0.005	µg/L		
1200676-CCVC	5.000	4.18	µg/L	84%	75-125
1200676-CCBC		0.006	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1232023
Client PM: Jodi Gardberg
Client PO: SS12208

Instrument Calibration

Sequence: 1200676
Instrument: ICP-MS-2
Date: 08/30/2012
Analyte: Se 78

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

Lab ID	True Value	Result	Units	REC & Limits	
1200676-CCVD	5.000	4.25	µg/L	85%	75-125
1200676-CCBD		0.01	µg/L		
1200676-CCVE	25.00	21.67	µg/L	87%	75-125
1200676-CCBE		0.04	µg/L		
1200676-CCVF	25.00	22.54	µg/L	90%	75-125
1200676-CCBF		0.04	µg/L		
1200676-CCVG	25.00	22.71	µg/L	91%	75-125
1200676-CCBG		0.05	µg/L		
1200676-CCVH	25.00	23.02	µg/L	92%	75-125
1200676-CCBH		0.05	µg/L		
1200676-CCVI	25.00	22.98	µg/L	92%	75-125
1200676-CCBI		0.04	µg/L		
1200676-CCVJ	25.00	23.54	µg/L	94%	75-125
1200676-CCBJ		0.06	µg/L		

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1232023
Client PM: Jodi Gardberg
Client PO: SS12208

Sample Containers

Lab ID: 1232023-01 Sample: HC-001-12			Report Matrix: Inverts Sample Type: Sample		Collected: 06/01/2012 Received: 08/03/2012
Des Container A Client-Provided	Size	Lot	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-02 Sample: OGBA-invert-001-12			Report Matrix: Inverts Sample Type: Sample		Collected: 06/22/2012 Received: 08/03/2012
Des Container A Client-Provided	Size	Lot	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-03 Sample: OGBA-invert-005-12			Report Matrix: Inverts Sample Type: Sample		Collected: 06/11/2012 Received: 08/03/2012
Des Container A Client-Provided	Size	Lot	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-04 Sample: AIC-invert-12			Report Matrix: Inverts Sample Type: Sample		Collected: 07/24/2012 Received: 08/03/2012
Des Container A Client-Provided	Size	Lot	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-05 Sample: AIC-invert-001-12			Report Matrix: Inverts Sample Type: Sample		Collected: 06/20/2012 Received: 08/03/2012
Des Container A Client-Provided	Size	Lot	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-06 Sample: AIC-invert-002-12			Report Matrix: Inverts Sample Type: Sample		Collected: 06/29/2012 Received: 08/03/2012
Des Container A Client-Provided	Size	Lot	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-07 Sample: AIC-invert-003-12			Report Matrix: Inverts Sample Type: Sample		Collected: 06/29/2012 Received: 08/03/2012
Des Container A Client-Provided	Size	Lot	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler



Sample Containers

Lab ID: 1232023-08 Sample: AEL-001-12			Report Matrix: Duck Eggs Sample Type: Sample		Collected: 06/11/2012 Received: 08/03/2012
Des Container A Client-Provided	Size 4 oz.	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-09 Sample: AEL-002-12			Report Matrix: Duck Eggs Sample Type: Sample		Collected: 06/11/2012 Received: 08/03/2012
Des Container A Client-Provided	Size 4 oz.	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-10 Sample: AEL-003-12			Report Matrix: Duck Eggs Sample Type: Sample		Collected: 06/11/2012 Received: 08/03/2012
Des Container A Client-Provided	Size 4 oz.	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-11 Sample: AEL-004-12			Report Matrix: Duck Eggs Sample Type: Sample		Collected: 06/11/2012 Received: 08/03/2012
Des Container A Client-Provided	Size 4 oz.	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-12 Sample: AEL-005-12			Report Matrix: Duck Eggs Sample Type: Sample		Collected: 06/11/2012 Received: 08/03/2012
Des Container A Client-Provided	Size 4 oz.	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-13 Sample: AEL-006-12			Report Matrix: Duck Eggs Sample Type: Sample		Collected: 06/11/2012 Received: 08/03/2012
Des Container A Client-Provided	Size 4 oz.	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler



Sample Containers

Lab ID: 1232023-14 Sample: AEL-007-12			Report Matrix: Duck Eggs Sample Type: Sample		Collected: 06/11/2012 Received: 08/03/2012
Des Container A Client-Provided	Size 4 oz.	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-15 Sample: AEL-008-12			Report Matrix: Duck Eggs Sample Type: Sample		Collected: 06/20/2012 Received: 08/03/2012
Des Container A Client-Provided	Size 4 oz.	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-16 Sample: AEL-009-12			Report Matrix: Duck Eggs Sample Type: Sample		Collected: 06/20/2012 Received: 08/03/2012
Des Container A Client-Provided	Size 4 oz.	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-17 Sample: AEL-010-12			Report Matrix: Duck Eggs Sample Type: Sample		Collected: 06/20/2012 Received: 08/03/2012
Des Container A Client-Provided	Size 4 oz.	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-18 Sample: AEL-011-12			Report Matrix: Duck Eggs Sample Type: Sample		Collected: 06/20/2012 Received: 08/03/2012
Des Container A Client-Provided	Size 4 oz.	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-19 Sample: AEL-012-12			Report Matrix: Duck Eggs Sample Type: Sample		Collected: 06/20/2012 Received: 08/03/2012
Des Container A Client-Provided	Size 4 oz.	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler



Sample Containers

Lab ID: 1232023-20 Sample: AEL-013-12			Report Matrix: Duck Eggs Sample Type: Sample		Collected: 06/20/2012 Received: 08/03/2012
Des Container A Client-Provided	Size 4 oz.	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-21 Sample: AEL-014-12			Report Matrix: Duck Eggs Sample Type: Sample		Collected: 06/20/2012 Received: 08/03/2012
Des Container A Client-Provided	Size 4 oz.	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-22 Sample: AEL-015-12			Report Matrix: Duck Eggs Sample Type: Sample		Collected: 06/20/2012 Received: 08/03/2012
Des Container A Client-Provided	Size 4 oz.	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-23 Sample: AEL-016-12			Report Matrix: Duck Eggs Sample Type: Sample		Collected: 06/20/2012 Received: 08/03/2012
Des Container A Client-Provided	Size 4 oz.	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-24 Sample: AEL-017-12			Report Matrix: Duck Eggs Sample Type: Sample		Collected: 06/20/2012 Received: 08/03/2012
Des Container A Client-Provided	Size 4 oz.	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler
Lab ID: 1232023-25 Sample: AEL-018-12			Report Matrix: Duck Eggs Sample Type: Sample		Collected: 06/20/2012 Received: 08/03/2012
Des Container A Client-Provided	Size 4 oz.	Lot Client Provided	Preservation none	P-Lot n/a	pH Ship. Cont. Styro Cooler

Project ID: UDE-SL1201
PM: Tiffany Stilwater



BRL Report 1232023
Client PM: Jodi Gardberg
Client PO: SS12208

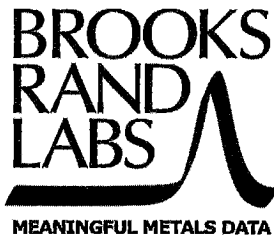
Shipping Containers

Styro Cooler

Received: August 3, 2012 14:05
Tracking No: 5033 6432 0528 via FedEx
Coolant Type: None
Temperature: ambient

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

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



3958 6th Avenue NW
 Seattle, WA 98107
 Phone: 206-632-6206
 Fax: 206-632-6017

samples@brooksrand.com
 www.brooksrand.com

Chain of Custody Record

1232023

White: LAB COPY
 Yellow: CUSTOMER COPY

Client: <u>Weber State University</u>	Address: <u>2505 University Circle</u> <u>Ogden, UT 84408-2505</u>	COC receipt confirmation? Y / N If so, by: email / fax (circle one)
Contact: <u>Nacole Wilson</u>		Email: <u>nacolewilson@weber.edu</u>
Client project ID: <u>Great Salt Lake Sampling</u>	Phone #: <u>801-626-8634</u>	Fax #:
PO #:		

Sample ID	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)	Total Hg, EPA 1631	Methyl Hg, EPA 1630	ICP-MS Metals (specify)	As / Se species (specify)	% Solids	Filtration	Other (specify) ^{Total}	
1	HC-001-12	6/1	NW	B	1	N	N/A			✓						✓	
2	OGBA-invert-001-12	6/22	NW	B	2	N	N/A			✓						✓	
3	OGBA-invert-005-12	6/11	NW	B	1	N	N/A			✓						✓	
4	AIC-invert-12	7/24	NW	B	2	N	N/A			✓						✓	
5	AIC-invert-001-12	6/20	NW	B	2	N	N/A			✓						✓	
6	AIC-invert-002-12	6/29	NW	B	1	N	N/A			✓						✓	
7	AIC-invert-003-12	6/29	NW	B	1	N	N/A			✓						✓	
* 8	AIC-Sed-12	6/29	NW	S	1	N	N/A									✓	
* 9	OGBA-Sed-12	6/11	NW	S	1	N	N/A									✓	
10																	

Relinquished by: <u>Lindsay Neff</u>	Date: <u>7/31/12</u>	Time:	Relinquished by:	Date:	Time:
Received by: <u>Rene R Heber</u>	Date:	Time:	Received at BRL by: <u>[Signature]</u>	Date: <u>8/3/12</u>	Time: <u>1405</u>
Shipping carrier: <u>CyberTruck</u>	# of coolers:	BRL work order ID:	BRL project ID:		

* Sediments not analyzed. Sediments will be recollected. Client contacted (20 8/9/12)

Avian Ecology Lab, 2505 University Circle, Weber State University, Ogden, UT 84408-2505, 801-626-8634 Contact: J. Cavitt Report 1232023

NOTE: USE BLACK INK ONLY TO FILL IN THIS FORM

Analytical Schedules:	
Project name: <u>Great Salt Lake Sampling</u>	
Sample Identification Number:	
Sampler's Name: <u>John Cavitt</u>	

Sample number (Field ID)	Date sampled (DDMMYY)	Time sampled (HHMM)	Lab ID (lab use only)	Sample matrix, (W, water; S, soil; B, Biota)	Number of containers	ASR Form Enclosed
AEL-001-12	110612			B	1	
AEL-002-12	110612			B	1	
AEL-003-12	110612			B	1	
AEL-004-12	110612			B	1	
AEL-005-12	110612			B	1	
AEL-006-12	11/06/12			B	1	
AEL-007-12	110612			B	1	
AEL-008-12	200612			B	1	
AEL-009-12	200612			B	1	

CHAIN-OF-CUSTODY RECORD				SHIPPING DETAILS	
Relinquished by (signature)	Date (DDMMYY)	Time (HHMM)	Received by (signature)	Seal number	Delivered to shipper by:
<u>Juday Hefl</u>	310712			Method of shipment:	Airbill number:
<u>Rat HERGES</u>	31/07/12	2:27pm		LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
				Lab:	Cooler seal intact upon receipt Yes ___ No ___
					Conditions of contents:
Additional comments: Samples sent to: <u>Brooks Rand Labs, LLC</u> <u>ATTN: Tiffany Stilwater</u> <u>18429 61st place NE</u> <u>Seattle, WA 98107</u>				Received for laboratory by: Print: <u>Tyler Rankin</u> Sign: <u>[Signature]</u> Date: <u>8/3/12</u> Time: <u>1405</u>	Contents temp. (°C) on delivery: Laboratory Project Number: <u>1405</u>

CHAIN-OF-CUSTODY RECORD

1232023 page 2 of 2

Avian Ecology Lab, 2505 University Circle, Weber State University, Ogden, UT 84408-2505, 801-626-8634 Contact: J. Cavitt Report 1232023

NOTE: USE BLACK INK ONLY TO FILL IN THIS FORM	Analytical Schedules:
Project name: <u>Great Salt Lake Sampling</u>	
Sample Identification Number:	
Sampler's Name: <u>John Cavitt</u>	

Sample number (Field ID)	Date sampled (DDMMYY)	Time sampled (HHMM)	Lab ID (lab use only)	Sample matrix, (W, water; S, soil; B, Biota)	Number of containers	ASR Form Enclosed
AEL-010-12	200612			B	1	
AEL-011-12	200612			B	1	
AEL-012-12	200612			B	1	
AEL-013-12	200612			B	1	
AEL-014-12	200612			B	1	
AEL-015-12	200612			B	1	
AEL-016-12	200612			B	1	
AEL-017-12	200612			B	1	
AEL-018-12	200612			B	1	

CHAIN-OF-CUSTODY RECORD

SHIPPING DETAILS

Relinquished by (signature)		Date (DDMMYY)	Time (HHMM)	Received by (signature)	Seal number	Delivered to shipper by:
<u>Lindsay Neff</u>		310712			Method of shipment:	Airbill number:
<u>RAT R HODGS</u>		31/7/12			LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
					Lab:	Cooler seal intact upon receipt Yes ___ No ___
						Conditions of contents:
Additional comments: Samples Sent to: <u>Brooks Rand Labs, LLC</u> <u>ATTN: Tiffany Stilwater</u> <u>18429 61st place NE</u> <u>Seattle, WA 98107</u>					Received for laboratory by:	Contents temp. (°C) on delivery:
					Print: <u>Tyler Rankin</u>	
					Sign: <u>[Signature]</u>	
					Date: <u>8/3/12</u> Time: <u>1405</u>	Laboratory Project Number::

ORIGIN ID: OGDA (801) 626-6019
KATHY RHODES
WEBER STATE UNIVERSITY
3605 UNIVERSITY CIRCLE

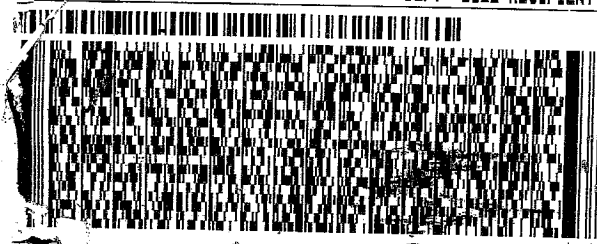
OGDEN, UT 84408
UNITED STATES US

SHIP DATE: 31JUL12
ACTWGT: 15.6 LB MAN
CAD: 609474/CAF62511

DRY ICE: 2.7 KGS
BILL THIRD PARTY

TO TIFFANY STILWATER
BROOKS RAND LABS
18429 61ST PLACE NE 98028
~~SEATTLE WA 98107~~ *KENMORE WA*

PO: 2 OF 2 REF: AVIARIAN LAB DEPT: BILL RECIPIENT

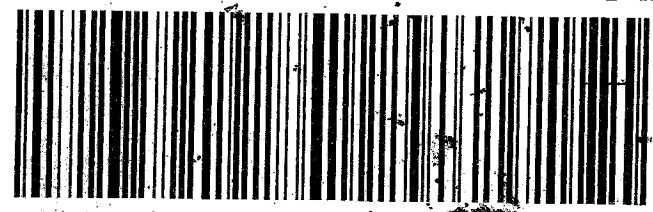


FedEx
TRK# 5033 6432 0528
0201

STANDARD OVERNIGHT

85 PAEA

A4
ISR
98028
WA-US
SEA



Emp# 29969 01AUG12 BFIA 515C1/A270/AA44

ANALYSIS SEQUENCE

BRL Report 1232023

Brooks Rand Labs

1200634

Instrument: THG-06(MerxT)

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200634-IBL1	1200634	QC	1		-			
1200634-IBL2	1200634	QC	2		-			
1200634-IBL3	1200634	QC	3		-			
1200634-IBL4	1200634	QC	4		-			
1200634-CAL1	1200634	QC	5	1233021	-			
1200634-CAL2	1200634	QC	6	1232058	-			
1200634-CAL3	1200634	QC	7	1232059	-			
1200634-CAL4	1200634	QC	8	1232060	-			
1200634-CAL5	1200634	QC	9	1232061	-			
1200634-CAL6	1200634	QC	10	1232062	-			
1200634-ICV1	1200634	QC	11	1232064	-			
1200634-CCB1	1200634	QC	12		-			
1200634-CCV1	1200634	QC	13	1232063	-			
1200634-CCB2	1200634	QC	14		-			
1200634-CCB3	1200634	QC	15		-			
1200634-CCB4	1200634	QC	16		-			
B121433-BLK1	B121433	QC	17		-			
B121433-BLK2	B121433	QC	18		-			
B121433-BLK3	B121433	QC	19		-			
B121433-BLK4	B121433	QC	20		-			
B121433-SRM1	B121433	QC	21		-			
1232003-01	B121433	Hg-S-AR-MERX-CVAFS	22			STM-CH1201	8/20/2012	
1232025-01	B121433	Hg-S-AR-MERX-CVAFS	23			CHM-BN1201	8/21/2012	
B121433-DUP1	B121433	QC	24		1232025-01			
B121433-MS1	B121433	QC	25		1232025-01			
B121433-MSD1	B121433	QC	26		1232025-01			

ANALYSIS SEQUENCE

BRL Report 1232023

Brooks Rand Labs

1200634

Instrument: THG-06(MerxT)

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200634-CCV2	1200634	QC	27	1232063	-			
1200634-CCB5	1200634	QC	28		-			
1232025-02	B121433	Hg-S-AR-MERX-CVAFS	29			CHM-BN1201	8/21/2012	
1232025-03	B121433	Hg-S-AR-MERX-CVAFS	30			CHM-BN1201	8/21/2012	
1232028-01	B121433	Hg-S-AR-MERX-CVAFS	31			SFE-OA1201	8/31/2012	
1200634-CCV3	1200634	QC	32	1232063	-			
1200634-CCB6	1200634	QC	33		-			
B121426-BLK1	B121426	QC	34		-			
B121426-BLK2	B121426	QC	35		-			
B121426-BLK3	B121426	QC	36		-			
B121426-BLK4	B121426	QC	37		-			
B121426-SRM1	B121426	QC	38		-			
B121426-SRM2	B121426	QC	39		-			
1232023-01	B121426	Hg-B-70:30-MERX-CVAFS	40			UDE-SL1201	9/18/2012	
B121426-DUP1	B121426	QC	41		1232023-01			
B121426-MS1	B121426	QC	42		1232023-01			
B121426-MSD1	B121426	QC	43		1232023-01			
1200634-CCV4	1200634	QC	44	1232063	-			
1200634-CCB7	1200634	QC	45		-			
1232023-02	B121426	Hg-B-70:30-MERX-CVAFS	46			UDE-SL1201	9/18/2012	
1232023-03	B121426	Hg-B-70:30-MERX-CVAFS	47			UDE-SL1201	9/18/2012	
1232023-04	B121426	Hg-B-70:30-MERX-CVAFS	48			UDE-SL1201	9/18/2012	
B121426-DUP2	B121426	QC	49		1232023-04			
B121426-MS2	B121426	QC	50		1232023-04			
B121426-MSD2	B121426	QC	51		1232023-04			
1232023-05	B121426	Hg-B-70:30-MERX-CVAFS	52			UDE-SL1201	9/18/2012	

ANALYSIS SEQUENCE

BRL Report 1232023

Brooks Rand Labs

1200634

Instrument: THG-06(MerxT)

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1232023-06	B121426	Hg-B-70:30-MERX-CVAFS	53			UDE-SL1201	9/18/2012	
1232023-07	B121426	Hg-B-70:30-MERX-CVAFS	54			UDE-SL1201	9/18/2012	
1232023-08	B121426	Hg-B-70:30-MERX-CVAFS	55			UDE-SL1201	9/18/2012	
1200634-CCV5	1200634	QC	56	1232063	-			
1200634-CCB8	1200634	QC	57		-			
1232023-09	B121426	Hg-B-70:30-MERX-CVAFS	58			UDE-SL1201	9/18/2012	
1232023-10	B121426	Hg-B-70:30-MERX-CVAFS	59			UDE-SL1201	9/18/2012	
1232023-11	B121426	Hg-B-70:30-MERX-CVAFS	60			UDE-SL1201	9/18/2012	
1232023-12	B121426	Hg-B-70:30-MERX-CVAFS	61			UDE-SL1201	9/18/2012	
1232023-13	B121426	Hg-B-70:30-MERX-CVAFS	62			UDE-SL1201	9/18/2012	
1232023-14	B121426	Hg-B-70:30-MERX-CVAFS	63			UDE-SL1201	9/18/2012	
1232023-15	B121426	Hg-B-70:30-MERX-CVAFS	64			UDE-SL1201	9/18/2012	
1232023-16	B121426	Hg-B-70:30-MERX-CVAFS	65			UDE-SL1201	9/18/2012	
1232023-17	B121426	Hg-B-70:30-MERX-CVAFS	66			UDE-SL1201	9/18/2012	
1232023-18	B121426	Hg-B-70:30-MERX-CVAFS	67			UDE-SL1201	9/18/2012	
1200634-CCV6	1200634	QC	68	1232063	-			
1200634-CCB9	1200634	QC	69		-			
1232023-19	B121426	Hg-B-70:30-MERX-CVAFS	70			UDE-SL1201	9/18/2012	
1232023-20	B121426	Hg-B-70:30-MERX-CVAFS	71			UDE-SL1201	9/18/2012	
B121426-DUP3	B121426	QC	72		1232023-20			
B121426-MS3	B121426	QC	73		1232023-20			
B121426-MSD3	B121426	QC	74		1232023-20			
1232023-21	B121426	Hg-B-70:30-MERX-CVAFS	75			UDE-SL1201	9/18/2012	
1232023-22	B121426	Hg-B-70:30-MERX-CVAFS	76			UDE-SL1201	9/18/2012	
1232023-23	B121426	Hg-B-70:30-MERX-CVAFS	77			UDE-SL1201	9/18/2012	
1232023-24	B121426	Hg-B-70:30-MERX-CVAFS	78			UDE-SL1201	9/18/2012	

ANALYSIS SEQUENCE

BRL Report 1232023

Brooks Rand Labs

1200634

Instrument: THG-06(MerxT)

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1232023-25	B121426	Hg-B-70:30-MERX-CVAFS	79			UDE-SL1201	9/18/2012	
1200634-CCV7	1200634	QC	80	1232063	-			
1200634-CCBA	1200634	QC	81		-			
B121433-MS2	B121433	QC	82		1232025-01			
B121433-MSD2	B121433	QC	83		1232025-01			
1200634-CCV8	1200634	QC	84	1232063	-			
1200634-CCBB	1200634	QC	85		-			
1200634-ICV2	1200634	QC	86	1232064	-			
1200634-CCV9	1200634	QC	87	1232063	-			
1200634-CCBC	1200634	QC	88		-			
B121452-BLK1	B121452	QC	89		-			
B121452-BLK2	B121452	QC	90		-			
B121452-BLK3	B121452	QC	91		-			
B121452-BLK4	B121452	QC	92		-			
B121452-SRM1	B121452	QC	93		-			
B121452-SRM2	B121452	QC	94		-			
B121452-BS1	B121452	QC	95		-			
1232032-01	B121452	β-70:30-NoMB-MERX-CVAFS-	96			CSC-AL1201	8/30/2012	
1232032-02	B121452	β-70:30-NoMB-MERX-CVAFS-	97			CSC-AL1201	8/30/2012	
1232032-03	B121452	β-70:30-NoMB-MERX-CVAFS-	98			CSC-AL1201	8/30/2012	
1200634-CCVA	1200634	QC	99	1232063	-			
1200634-CCBD	1200634	QC	100		-			
1232032-04	B121452	β-70:30-NoMB-MERX-CVAFS-	101			CSC-AL1201	8/30/2012	
B121452-BLK5	B121452	QC	102		-			
1232032-05	B121452	β-70:30-NoMB-MERX-CVAFS-	103			CSC-AL1201	8/30/2012	
1232032-06	B121452	β-70:30-NoMB-MERX-CVAFS-	104			CSC-AL1201	8/30/2012	

ANALYSIS SEQUENCE

BRL Report 1232023

Brooks Rand Labs

1200634

Instrument: THG-06(MerxT)

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B121452-DUP1	B121452	QC	105		1232032-06			
B121452-MS1	B121452	QC	106		1232032-06			
B121452-MSD1	B121452	QC	107		1232032-06			
1232032-07	B121452	β-70:30-NoMB-MERX-CVAFS-	108			CSC-AL1201	8/30/2012	
1232032-08	B121452	β-70:30-NoMB-MERX-CVAFS-	109			CSC-AL1201	8/30/2012	
B121452-BLK6	B121452	QC	110		-			
1200634-CCVB	1200634	QC	111	1232063	-			
1200634-CCBE	1200634	QC	112		-			
1232032-09	B121452	β-70:30-NoMB-MERX-CVAFS-	113			CSC-AL1201	8/30/2012	
1232032-10	B121452	β-70:30-NoMB-MERX-CVAFS-	114			CSC-AL1201	8/30/2012	
1232032-11	B121452	β-70:30-NoMB-MERX-CVAFS-	115			CSC-AL1201	8/30/2012	
1232032-12	B121452	β-70:30-NoMB-MERX-CVAFS-	116			CSC-AL1201	8/30/2012	
1232032-13	B121452	β-70:30-NoMB-MERX-CVAFS-	117			CSC-AL1201	8/30/2012	
B121452-BLK7	B121452	QC	118		-			
1232032-14	B121452	β-70:30-NoMB-MERX-CVAFS-	119			CSC-AL1201	8/30/2012	
1232032-15	B121452	β-70:30-NoMB-MERX-CVAFS-	120			CSC-AL1201	8/30/2012	
1232032-16	B121452	β-70:30-NoMB-MERX-CVAFS-	121			CSC-AL1201	8/30/2012	
1232032-17	B121452	β-70:30-NoMB-MERX-CVAFS-	122			CSC-AL1201	8/30/2012	
1200634-CCVC	1200634	QC	123	1232063	-			
1200634-CCBF	1200634	QC	124		-			
1232032-18	B121452	β-70:30-NoMB-MERX-CVAFS-	125			CSC-AL1201	8/30/2012	
1232032-19	B121452	β-70:30-NoMB-MERX-CVAFS-	126			CSC-AL1201	8/30/2012	
B121452-BLK8	B121452	QC	127		-			
B121452-DUP2	B121452	QC	128		1232032-19			
B121452-MS2	B121452	QC	129		1232032-19			
B121452-MSD2	B121452	QC	130		1232032-19			

ANALYSIS SEQUENCE

BRL Report 1232023

Brooks Rand Labs

1200634

Instrument: THG-06(MerxT)

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1232032-20	B121452	B-70:30-NoMB-MERX-CVAFS-	131			CSC-AL1201	8/30/2012	
B121452-BS2	B121452	QC	132		-			
1200634-CCVD	1200634	QC	133	1232063	-			
1200634-CCBG	1200634	QC	134		-			
B121469-BLK1	B121469	QC	135		-			
B121469-BLK2	B121469	QC	136		-			
B121469-BLK3	B121469	QC	137		-			
B121469-BLK4	B121469	QC	138		-			
B121469-SRM1	B121469	QC	139		-			
B121469-SRM2	B121469	QC	140		-			
1227031-09RE1	B121469	Hg-S-AR-NoMB-MERX-CVAFS	141			AAL-MN1101	8/12/2012	From B121205 by ATC on 08/16/12
B121469-DUP1	B121469	QC	142		1227031-09RE1			
B121469-PS1	B121469	QC	143		1227031-09RE1			
1200634-CCVE	1200634	QC	144	1232063	-			
1200634-CCBH	1200634	QC	145		-			

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

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

Page 1 of 7

Sequence: 1200637 Batch(es): B121433 + B121426 , 1452, 1469

Analyst: MCH Date: 8.15.12 Instrument ID: THg-06 (MERXT)

10ng/mL std ID: 1232056 1ng/mL std ID: 1232055 ICV std ID: 1233012

NH₂OH-HCl #: 1232004 SnCl₂ #: 1230056

Initial offset: 10,607 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	B121433-BLK1	1.00		
20	↓ -BLK2	↓		
21	↓ -BLK3	↓		
22	↓ -BLK4	↓		
23	↓ -SM1	1.00		
24	1232003-01	↓		

Comments:

B121433, 121426 = MCH

B121452, 121469 = BST

Balance ID: _____

Hg Analysis Sheet : T-Hg / Other: _____

Sequence: 1200634 Analyst: MLH Date: 8.15.12

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	1232025-01	0.020		
26	B121433-DUP1			
27	↓ -MS1			
28	↓ -MSD1			
29	SEQ-CLV	0.050		10ng/ml
30	SEQ-CLV	—		
31	1232025-02	0.020		
32	↓ -03	0.050		
33	1232028-01	0.025		
34	^{not 0.5.11} B1 SEQ-CLV	0.050		10ng/ml
35	SEQ-CLB	—		
36	B121426-BK1	1.00		
37	BK2			
38	BK3			
39	BK4			
40	↓ -SRM1			
41	↓ -SRM2			
42	^{not 0.5.11} 1232023-01	0.400		
43	B121426-DUP1			
44	↓ -MS1			
45	↓ -MSD1			
46	SEQ-CLV	0.050		10ng/ml
47	SEQ-CLB	—		
48	1232023-02	1.00		

Comments: _____

Hg Analysis Sheet : T-Hg / Other: _____

Sequence: 1200634

Analyst: MLH

Date: 8.15.12

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	1232023-03	1.00		
50	↓ -04	0.400		
51	B121424-DUP2			
52	↓ -MS2			
53	↓ -MSD2			
54	1232023-05	1.00		
55	↓ -06			
56	↓ -07			
57	↓ -08			
58	SEQ-CCV	0.050		10ng/ml
59	SEQ-CCB	—		
60	1232023-09	1.00		
61	↓ -10			
62	↓ -11			
63	↓ -12			
64	↓ -13			
65	↓ -14			
66	↓ -15			
67	↓ -16			
68	↓ -17			
69	↓ -18			
70	SEQ-CCV	0.050		10ng/ml
71	SEQ-CCB	—		
72	1232023-19	1.00		

Comments: _____

Hg Analysis Sheet : T-Hg / Other: _____

Sequence: 1200634 Analyst: MCH Date: 8.15.12

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	1232023-20	0.400		
74	B121426-DPS			
75	↓ -MS3			
76	↓ -MSD3			
77	1232023-21	1.00		
78	-22			
79	-23			
80	-24			
81	↓ -25			
82	SEQ-CUV	0.050		10ng/ml
83	SEQ-CUB	—		
84	B121433-MS2	0.020		REPEAT of MS1 & MSD1 B121433
85	↓ -MSD2			
86	SEQ-CUV	0.050		10ng/ml
87	SEQ-CUB	—		
* 88	RINSE	—		
89		—		
90		—		
91		—		
92		—		
93	↓	—		
94	ICV	1.00		
95	CCV	0.050 0.500	0.500	10ng/ml
96	CUB	—		

Comments: * BJT STAYS

Hg Analysis Sheet : T-Hg / Other: _____

Page 5 of 7Sequence: 1200634 Analyst: BST Date: 8/15/12

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	B121452 BK1	1.00		reagent blanks
98	BK2	↓		↓
99	BK3	↓		
100	BK4	↓		
101	SRM1	↓		
102	SRM2	↓		
103	BS1	↓		
104	1232032-01	↓		
105	-02	↓		
106	-03	↓		
107	CU	0.500		10ng/ml
108	CU3	—		
109	1232032-04	1.00		
110	B121452 BK5	↓		chicken
111	1232032-05	↓		
112	↓ -06	0.500		
113	B121452 DUP1	↓		
114	MS1	↓		
115	MSD1	↓		
116	1232032-07	1.00		
117	↓ -08	↓		
118	B121452 BK6	↓		chicken
119	CU	0.500		10ng/ml
120	CU3	—		

Comments: _____

Hg Analysis Sheet : T-Hg / Other:

Sequence: 200634 Analyst: BOT Date: 8/15/12

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	1232032-09	1.00		
122	↓ -10	↓		
123	↓ -11	↓		
124	↓ -12	0.500		
125	↓ -13	1.00		
126	B121452 BUK7	↓		Chicken
127	1232032-14	↓		
128	↓ -15	↓		
129	↓ -16	↓		
130	↓ -17	↓		
131	CU	0.500		10ng/mL
132	CUB	—		
133	1232032-18	1.00		
134	↓ -19	↓		
135	B121452 BUK8	↓		Chicken
136	↓ CUP2	↓		
137	↓ MS2	↓		
138	↓ MSD2	↓		
139	1232032-20	↓		
140	CU	0.500		10ng/mL
141	CUB	—		
142	B121452 BS2	1.00		RE of BS1
143	B121469 BUK1	↓		RE from B121205
144	↓ BUK2	↓		

Comments: _____

Hg Analysis Sheet : T-Hg / Other: _____

Sequence: 1200634

Analyst: BSJ

Date: 8/15/12

Run #/ Pos #	Brooks Rand Sample ID	Analy. Vol. (mL)	Dilution Factor	Analysis comments / For spiked QC: Source sample, standard ID, and spiked volume (mL)
145	B121469 BK3	1.00		
146	↓ BK4	↓		
147	↓ SEM1	↓		
148	↓ SEM2	↓		
149	1227031-09REF			
150	B121469 DUPL			ANALYTICAL DUP
151	↓ PS1	↓		NATIVE 1227031-09REF (250 pg; 0.025 mL of 10 ug/mL)
152	CCV	0.500		10 ug/mL
153	CCB	—		
8/17/12 BSJ				

Comments: _____

Brooks Rand Labs
 THg Biota Prep Benchsheet
 SOP / Revision #: BR-0002 Rev 0100

Pg 1 of 1

Prepped By: AD

Batch: B121426
B121426-25-13-12

Preparation Start Date/Time*: 8.14.12/1723

Preparation End Date/Time**: 8.15.12/0912

* Time is when the first reagents are added.

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

Sample ID	Sample Mass (g)
1232023-01	1.013
1232023-02	1.053
* 1232023-03	0.1013
1232023-04	1.005
1232023-05	1.037
⊗ 1232023-06	1.024
* 1232023-07	1.044 0.501
1232023-08	1.040
1232023-09	1.064
1232023-10	1.025
1232023-11	1.075
1232023-12	1.043
1232023-13	1.035
1232023-14	1.005
1232023-15	1.010
1232023-16	1.060
1232023-17	1.001

Sample ID	Sample Mass (g)
1232023-18	1.045
1232023-19	1.070
1232023-20	1.058
1232023-21	1.043
1232023-22	1.062
1232023-23	1.037
1232023-24	1.015
1232023-25	1.005
B121426-BLK1	—
B121426-BLK2	—
B121426-BLK3	—
B121426-BLK4	—
B121426-DUP1	1.059
B121426-DUP2	1.020
B121426-DUP3	1.094
B121426-MS1	1.019
B121426-MS2	1.008

Sample ID	Sample Mass (g)
B121426-MS3	1.087
B121426-MSD1	1.032
B121426-MSD2	1.023
B121426-MSD3	1.080
B121426-SRM1	0.199
B121426-SRM2	0.212
8.15.12 AD	

Batch QC ID	Sample Source	Spike vol (uL)	Spike conc (ng/mL)	Spike/CRM ID	Spike Witness
D001/MS1/MSD1	1232023-01	600	1,000	1228597	8/14/12
	1232023-04	↓	↓	↓	↓
	1232023-20	↓	↓	↓	↓
		8.14.12			
SRM1 & 2	D06M3			1219049	

Target Temp/Time 1: 70 C/1 hour
 Target Temp/Time 2: 90-100 C/3 hrs
 Temp/Time 1 (measured / corrected): 74.74 / 1735
 Temp/Time 2 (measured / corrected): 92.92 / 1829
 Balance ID: BL-86
 Thermometer ID: PL-10
 Final Dilution Vol: Low

Reagent	ID
7 mL HNO ₃	1229023
3 mL H ₂ SO ₄	1205025
0.5 mL BrCl	1230052

Comments:

Aliquoted by TG

8-13-12

⊗ Extremely reactive w/ reagents

* weighed out at a reduced mass due to limited sample

Peak Report

Batch Number: B121433, 1426, 1452, 1469

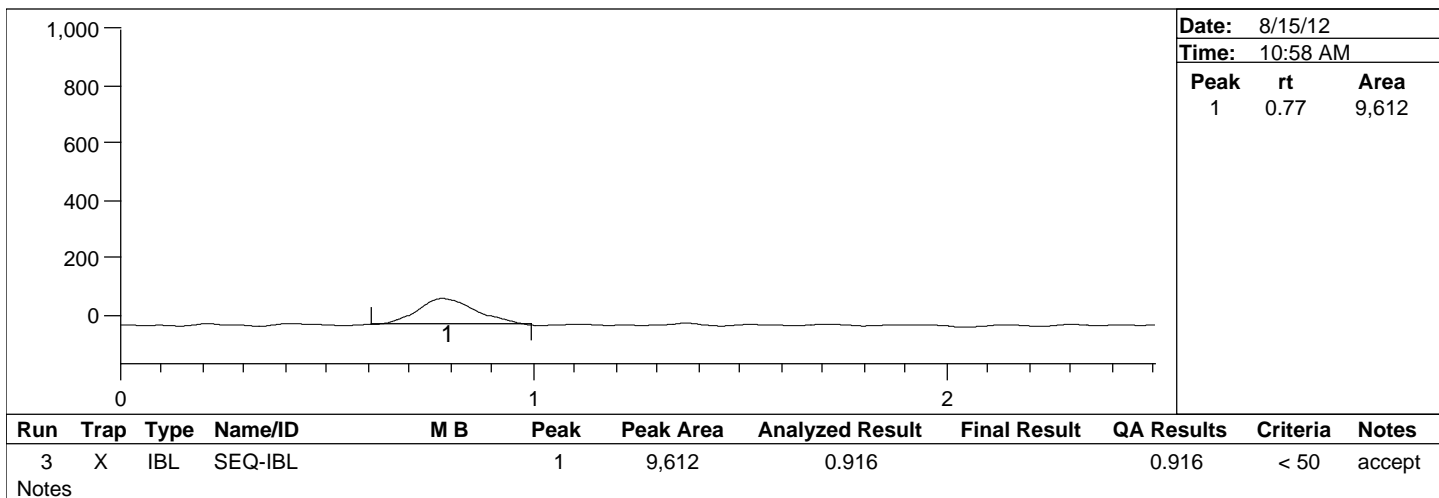
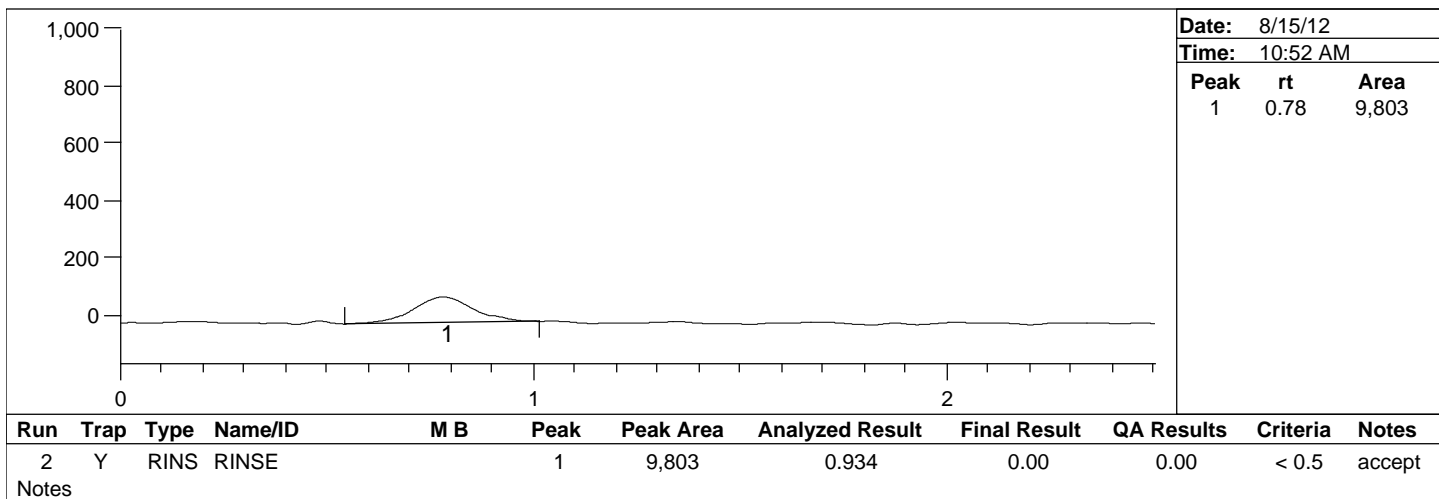
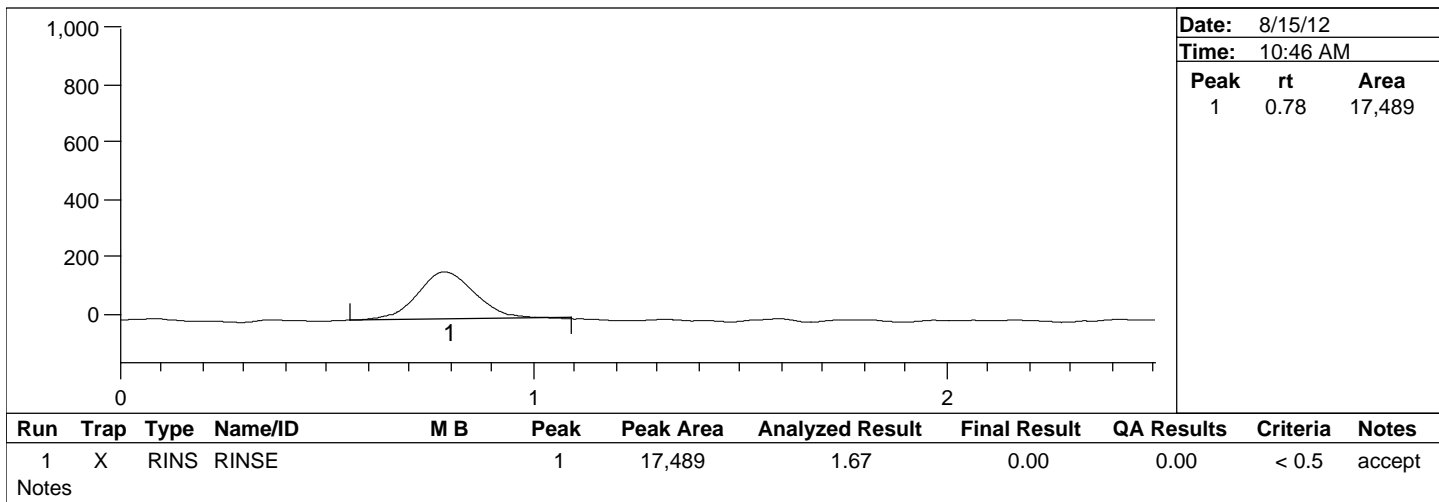
Method Number: CVAFS BR-0002

Project Number(s): 1200634

Instrument ID: THG-06

Date Analyzed: 8/15/12

Analyst Name: Labuser



Peak Report

Batch Number: B121433, 1426, 1452, 1469

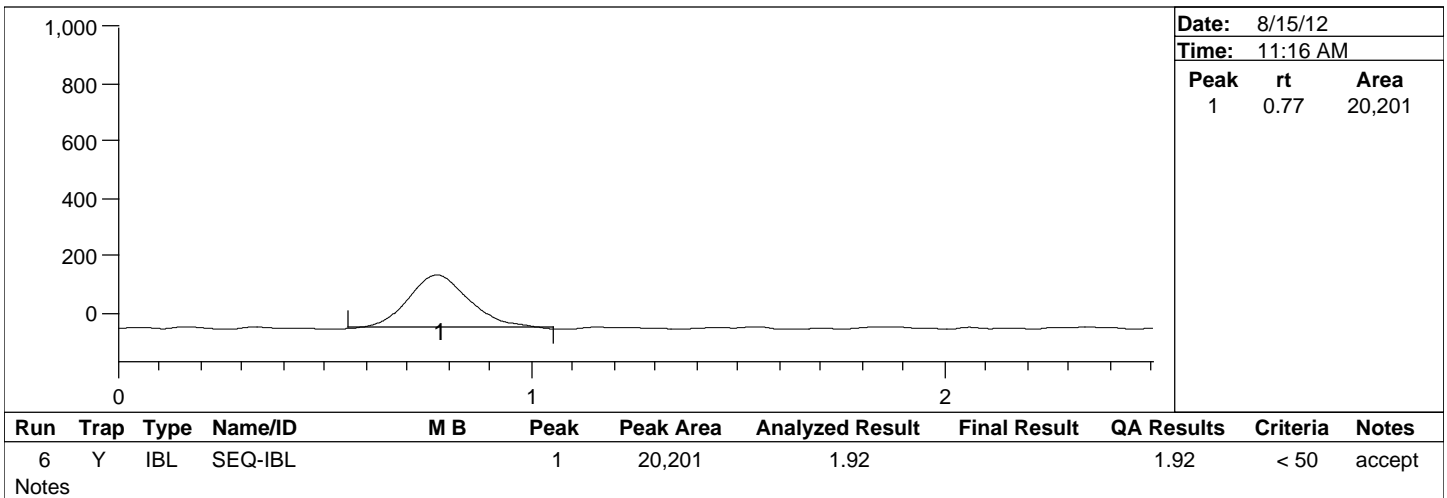
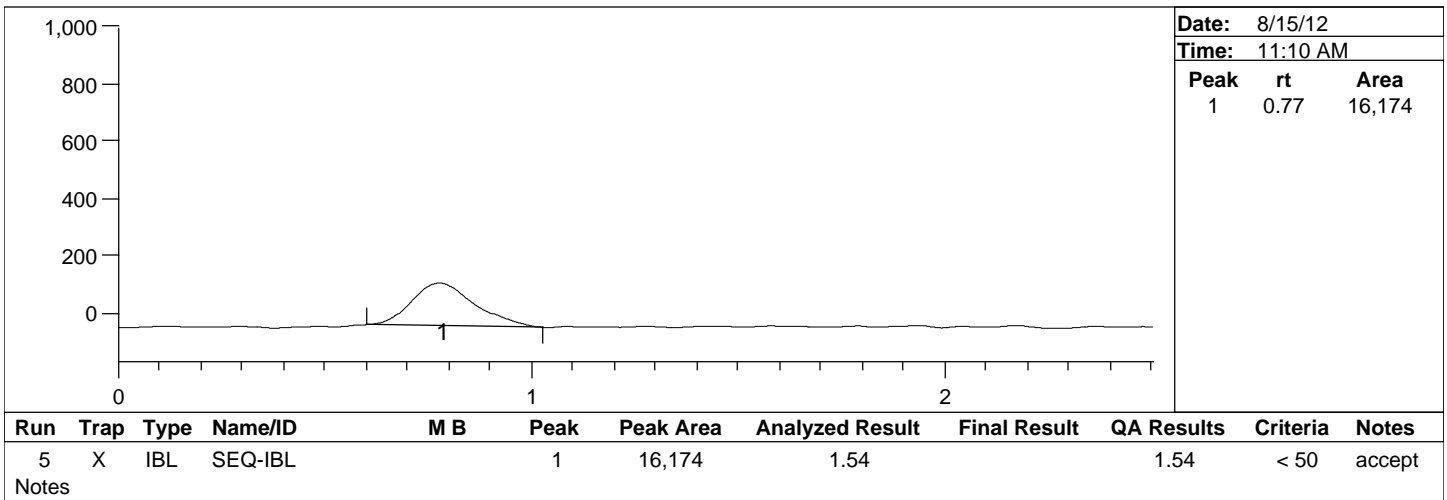
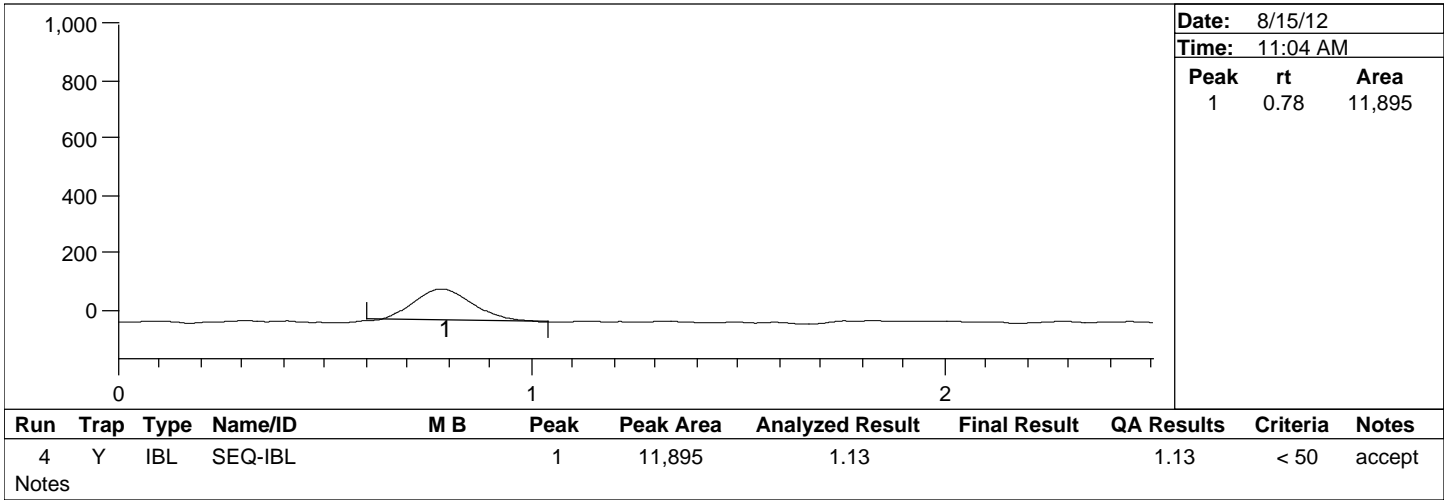
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Instrument ID: THG-06

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Analyst Name: Labuser



Peak Report

Batch Number: B121433, 1426, 1452, 1469

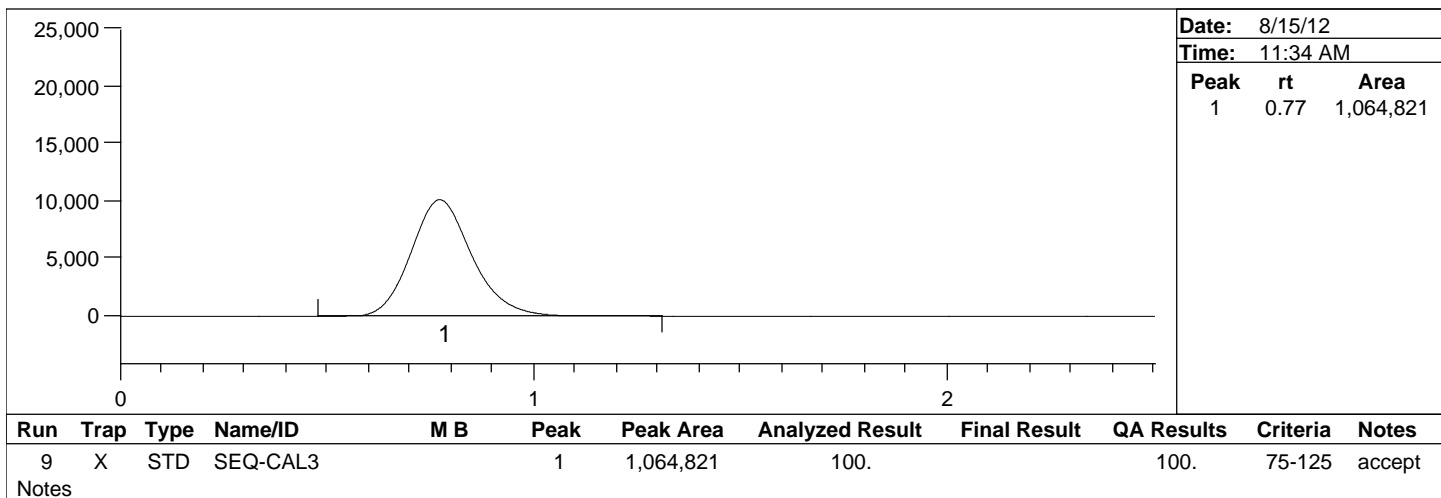
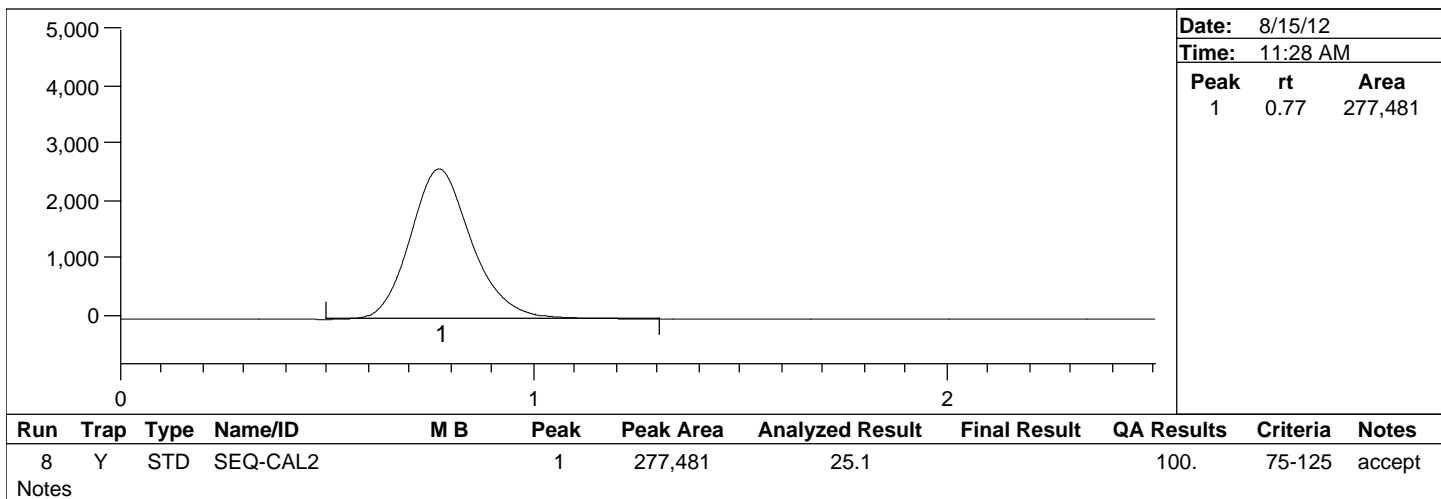
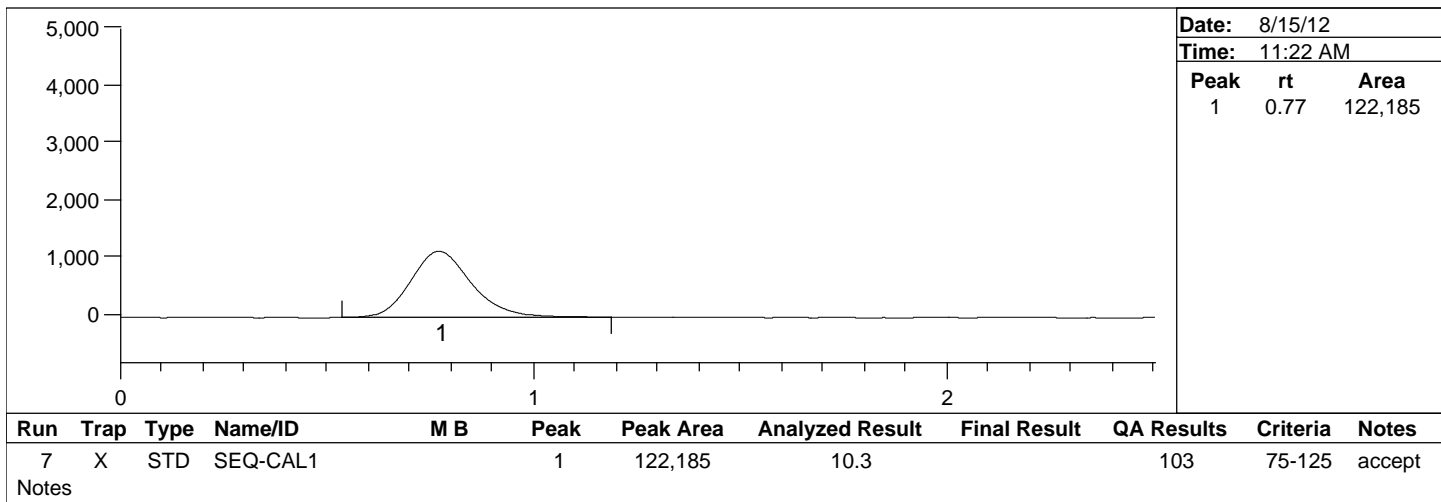
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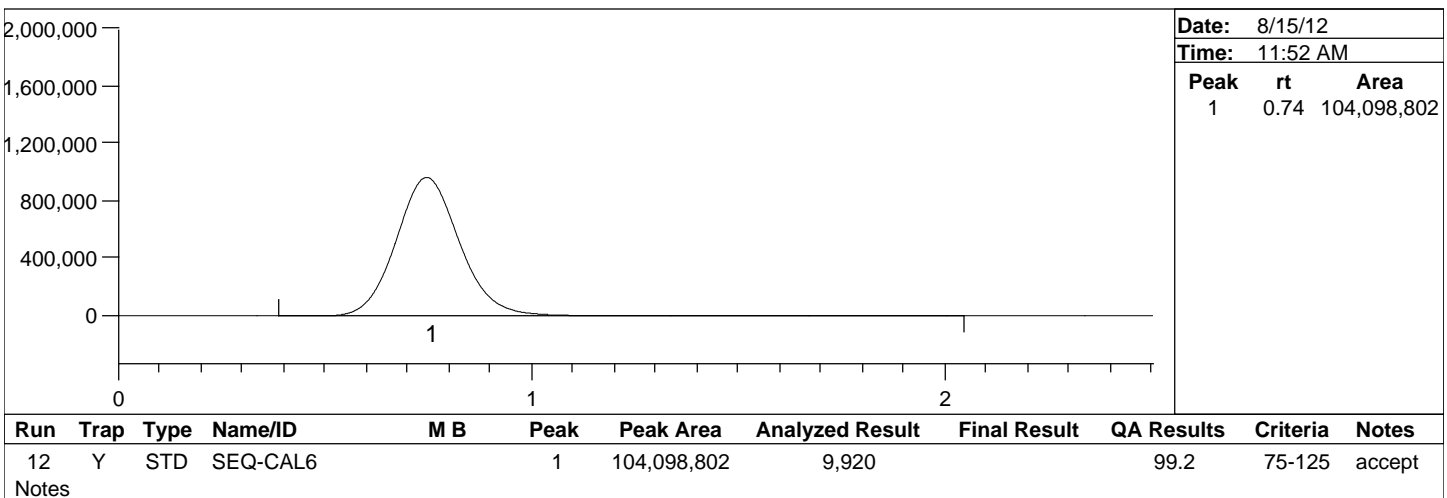
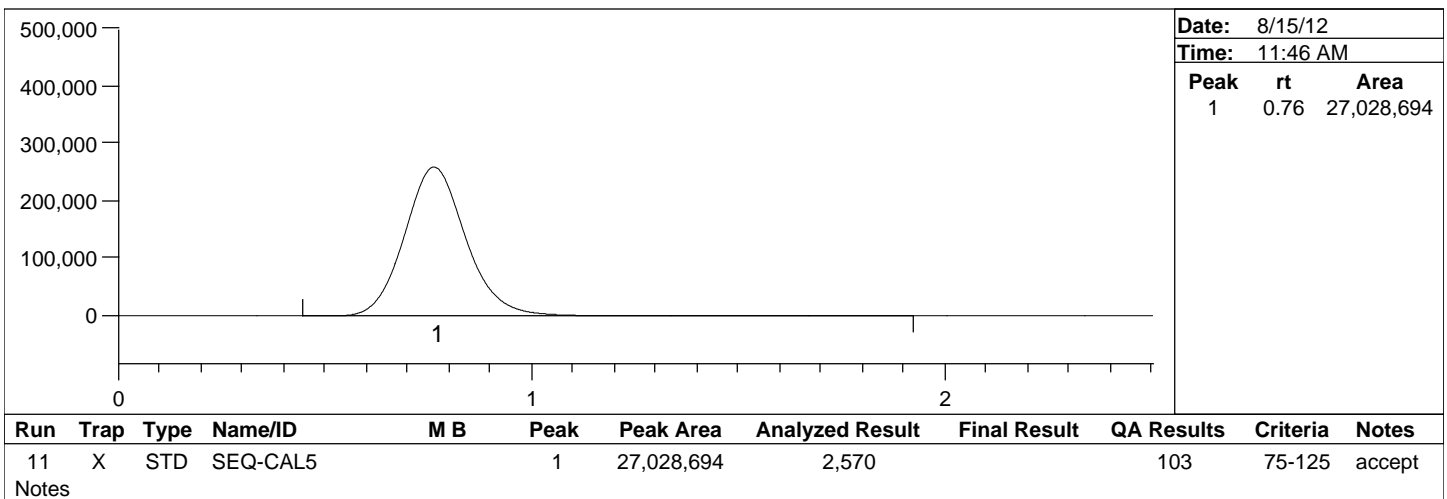
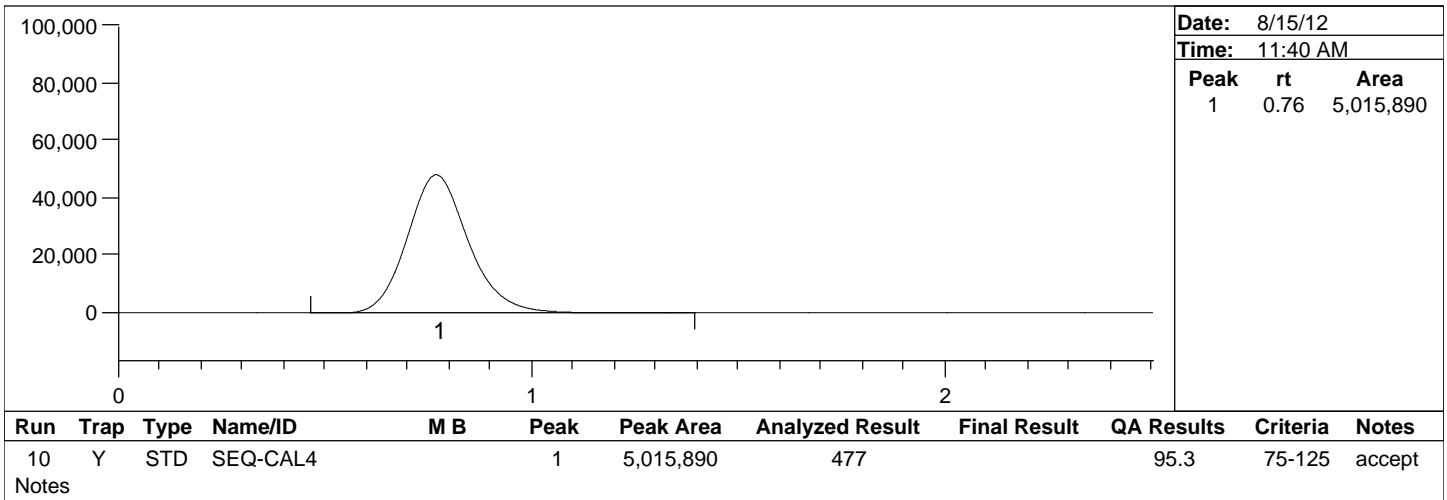
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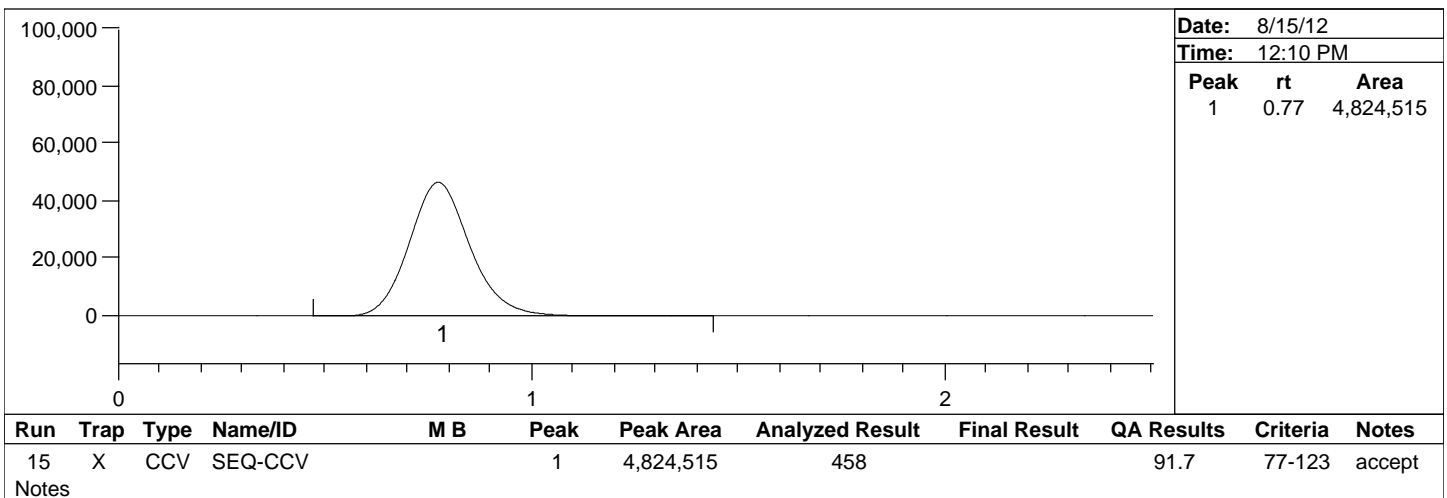
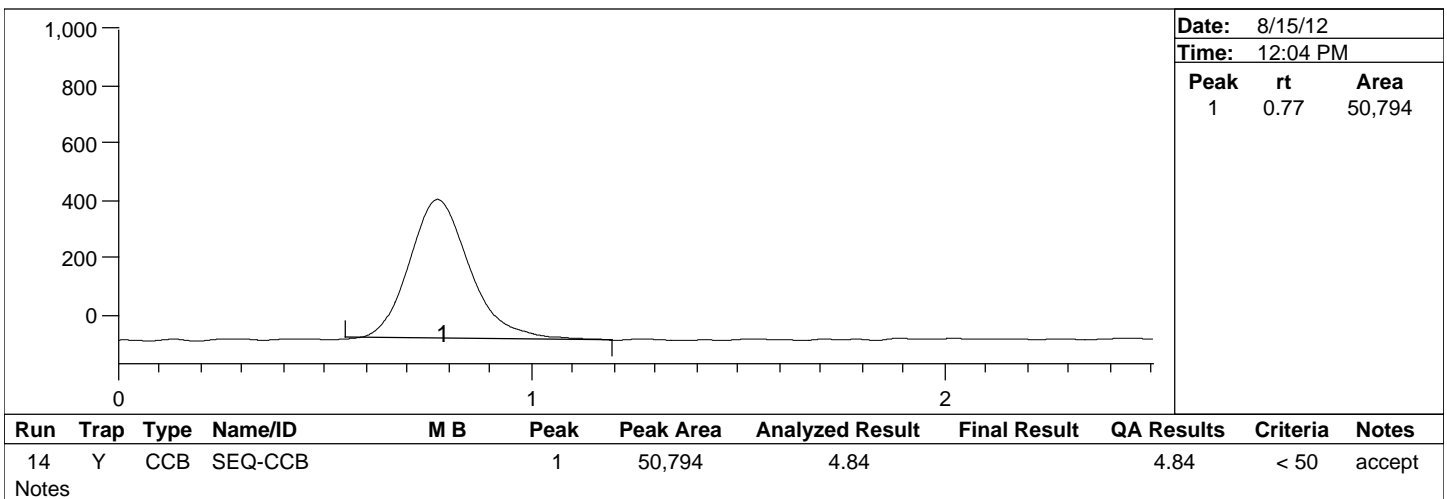
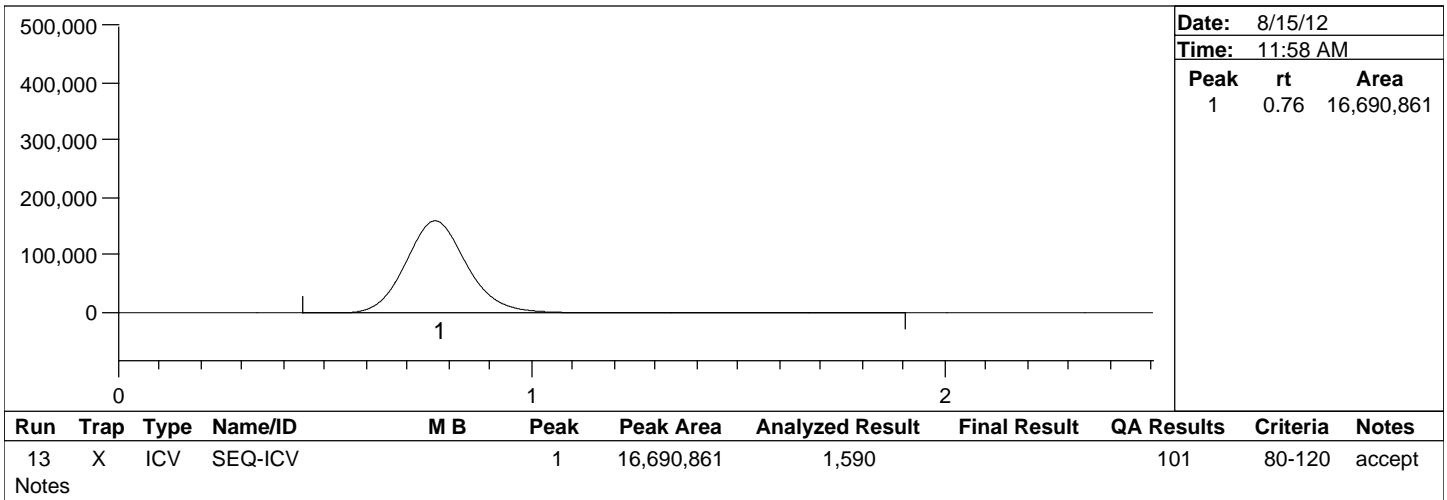
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Analyst Name: Labuser



Peak Report

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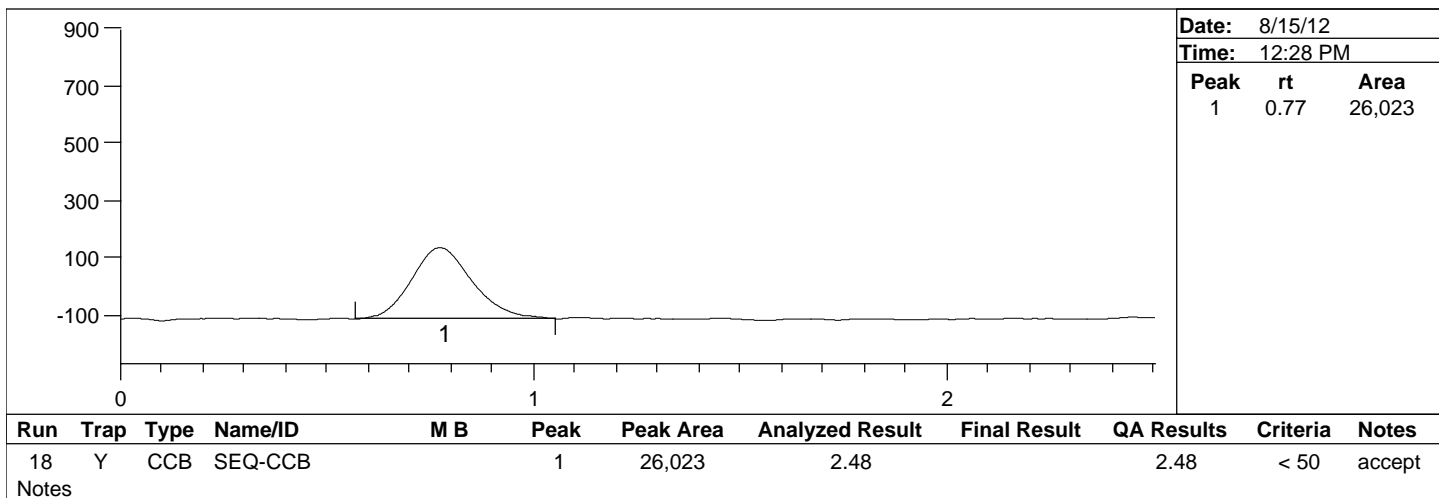
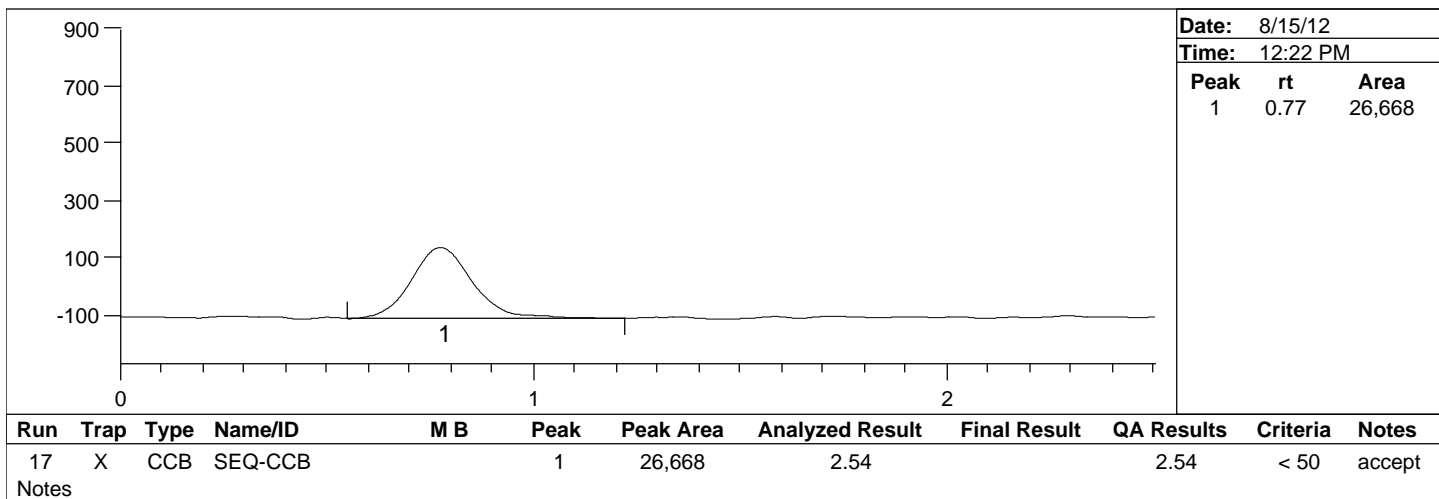
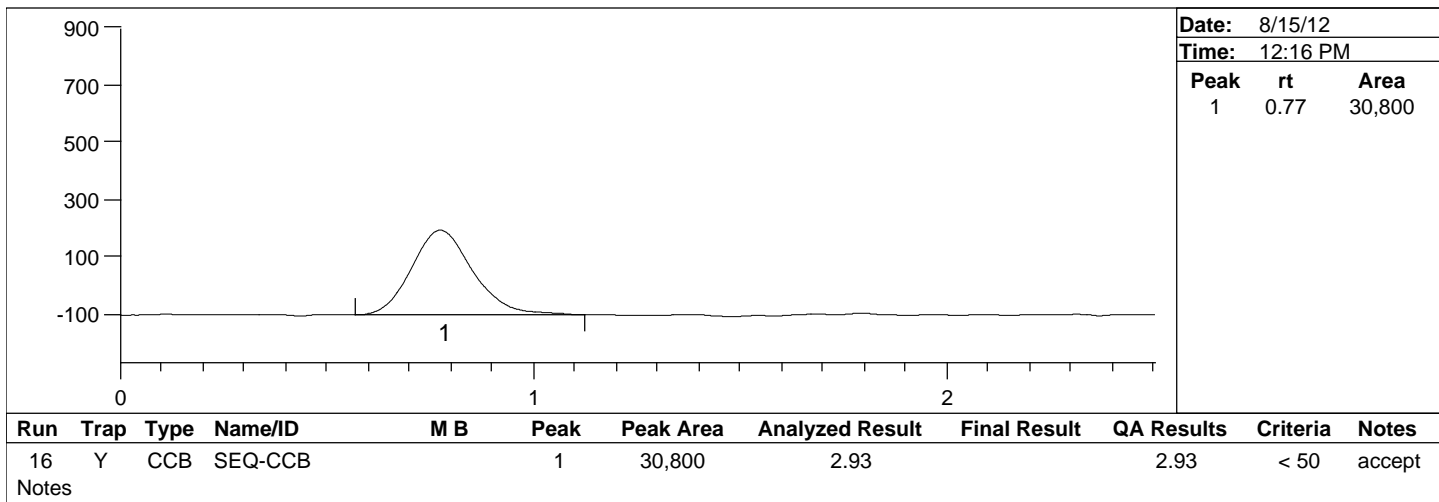
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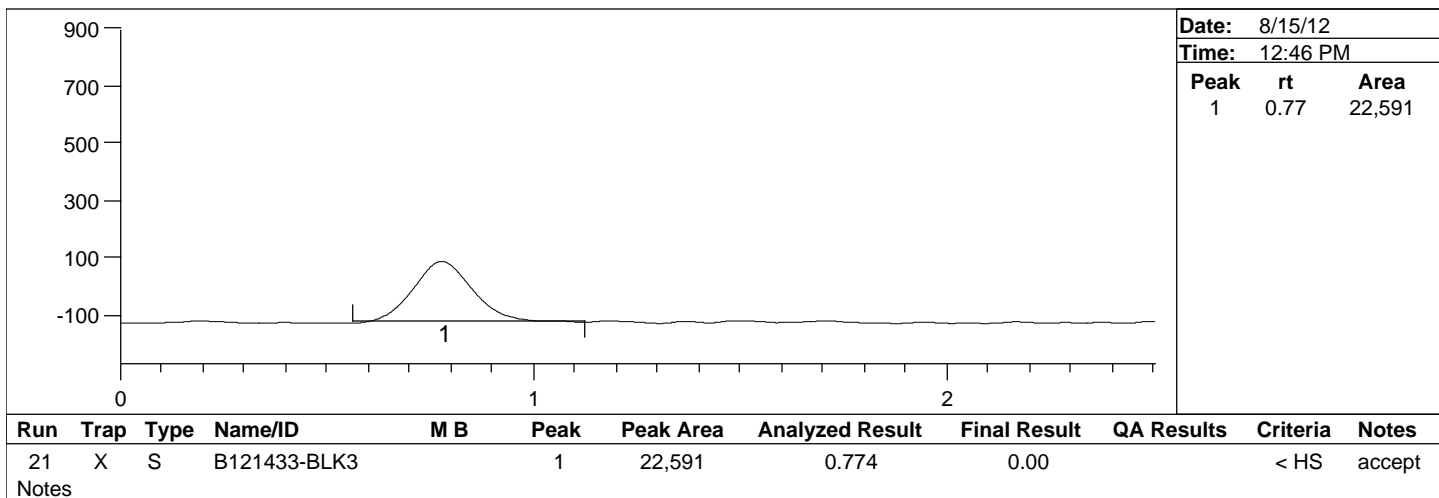
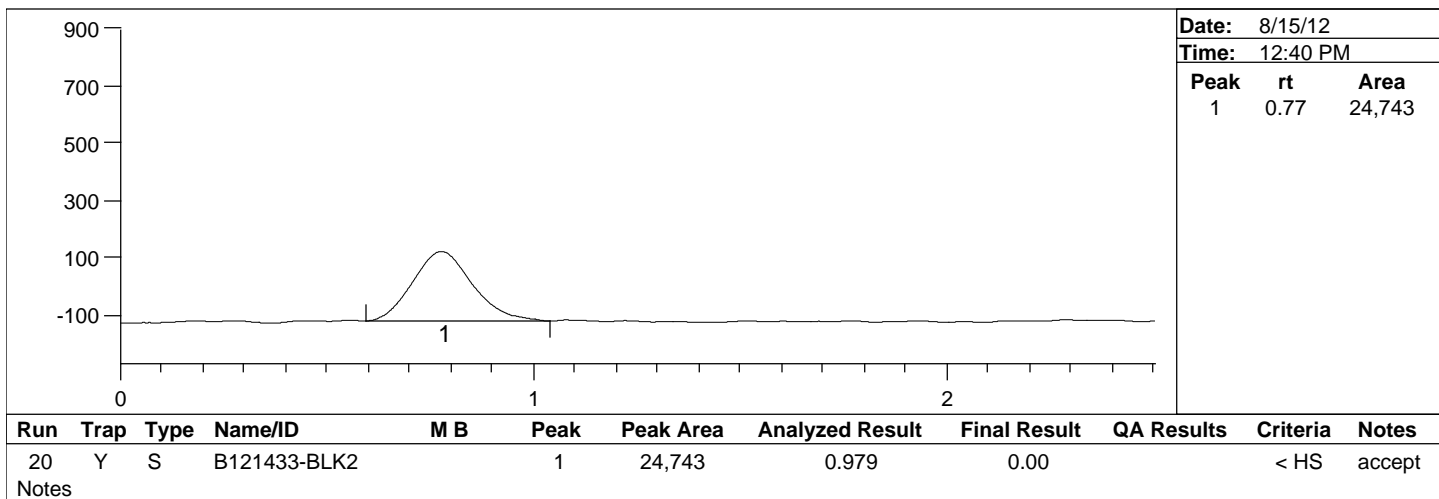
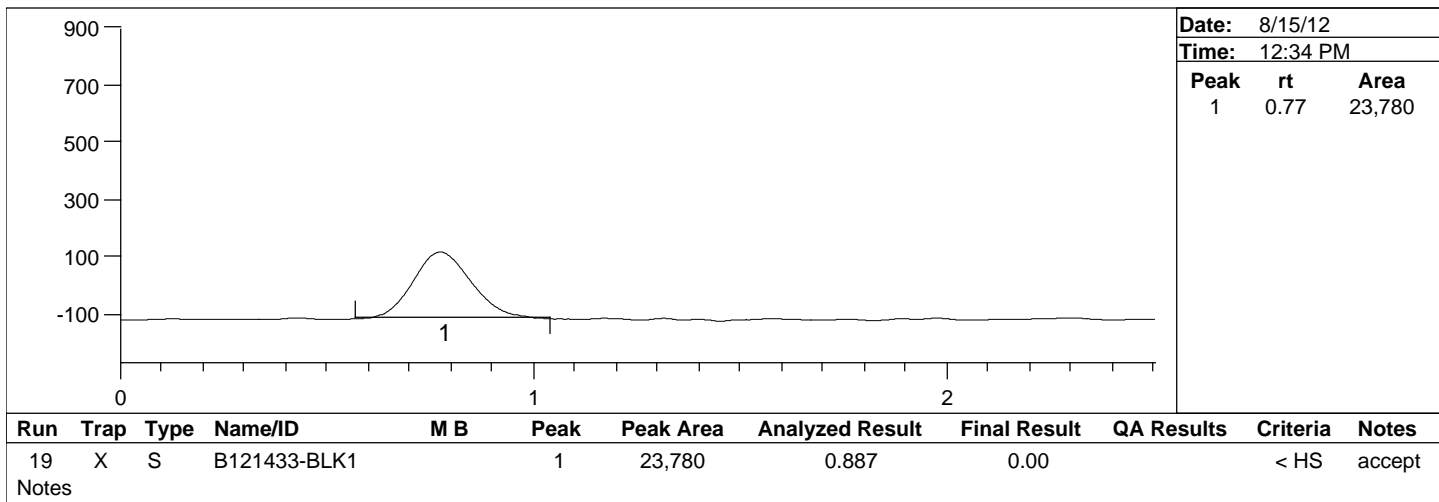
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Analyst Name: Labuser



Peak Report

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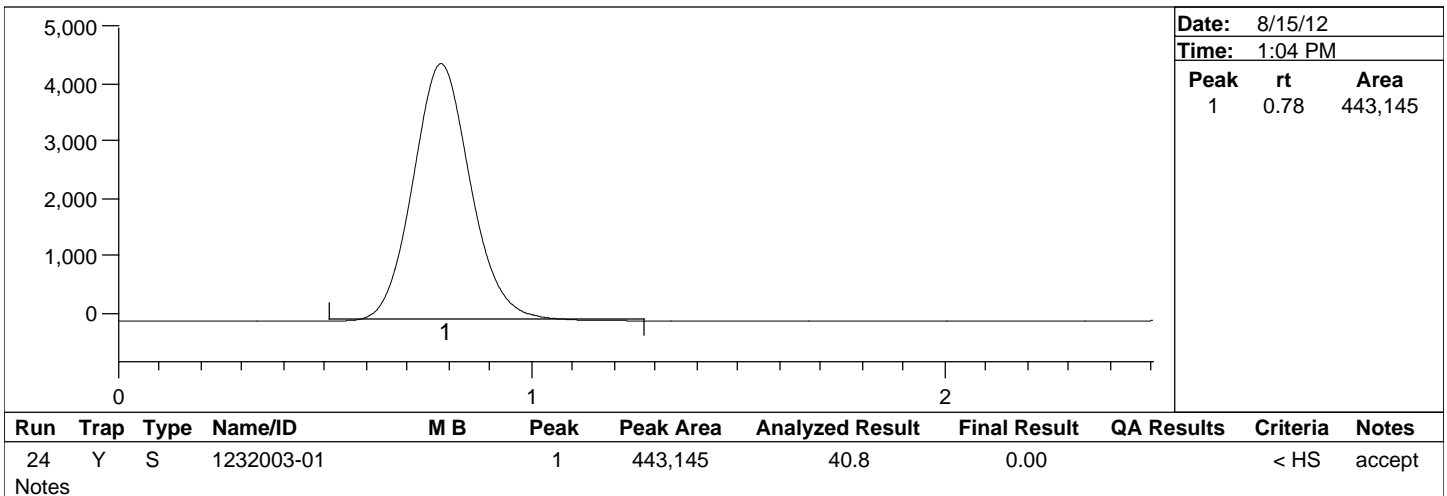
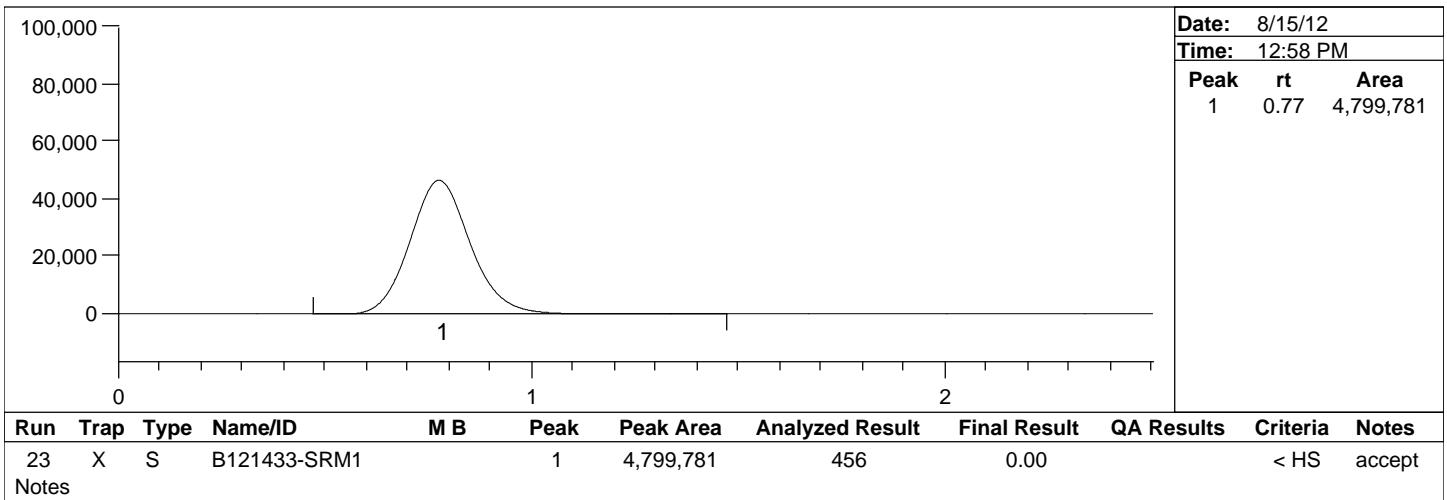
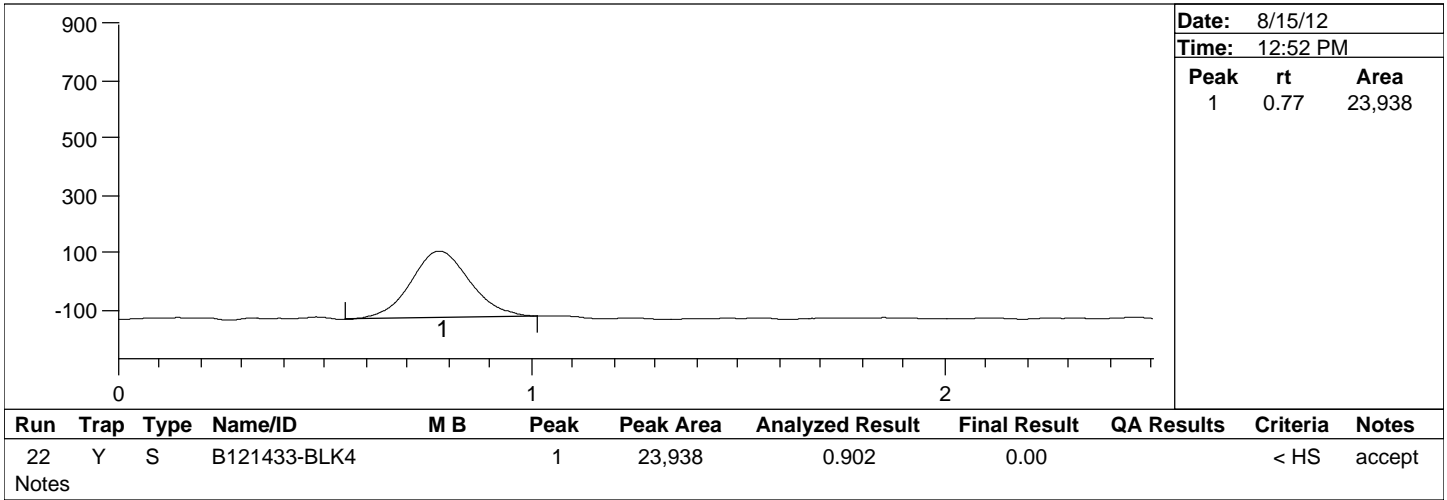
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Analyst Name: Labuser



Peak Report

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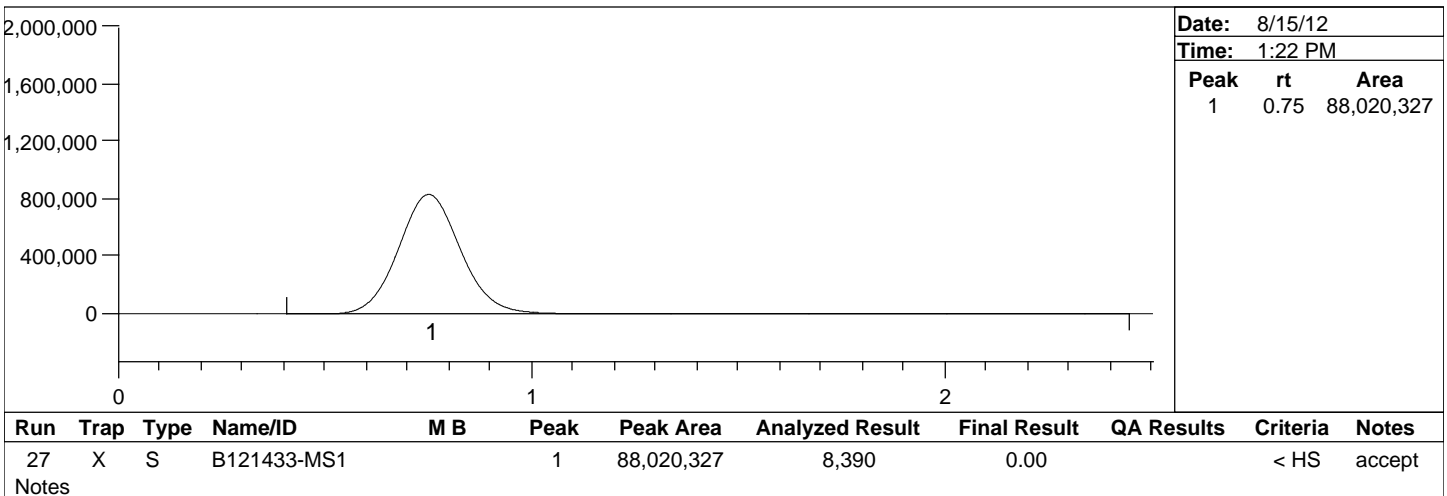
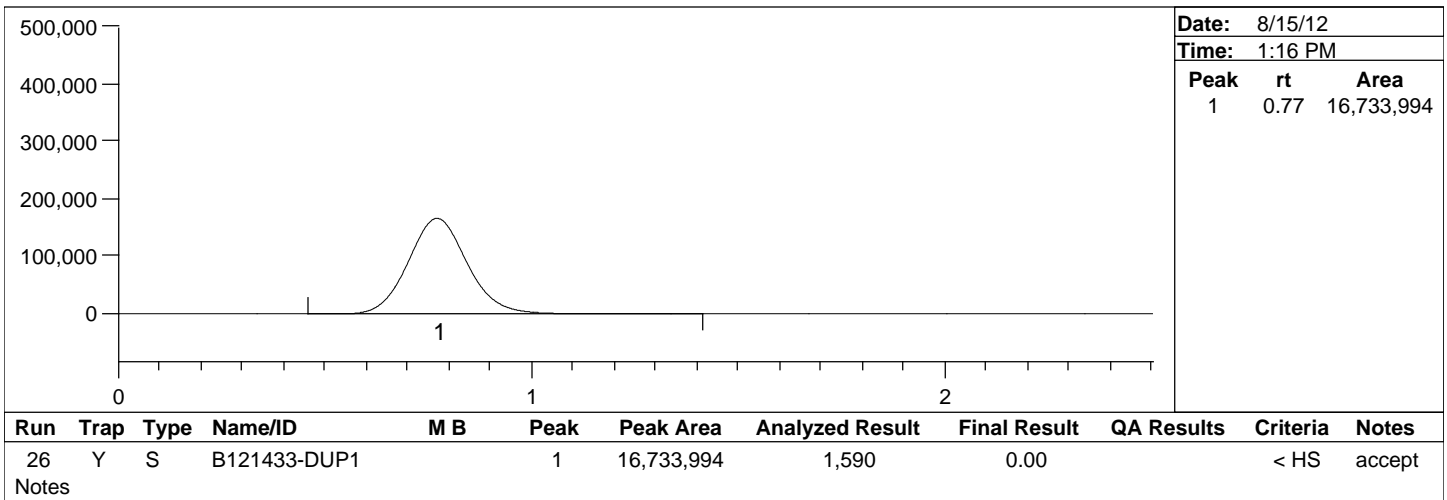
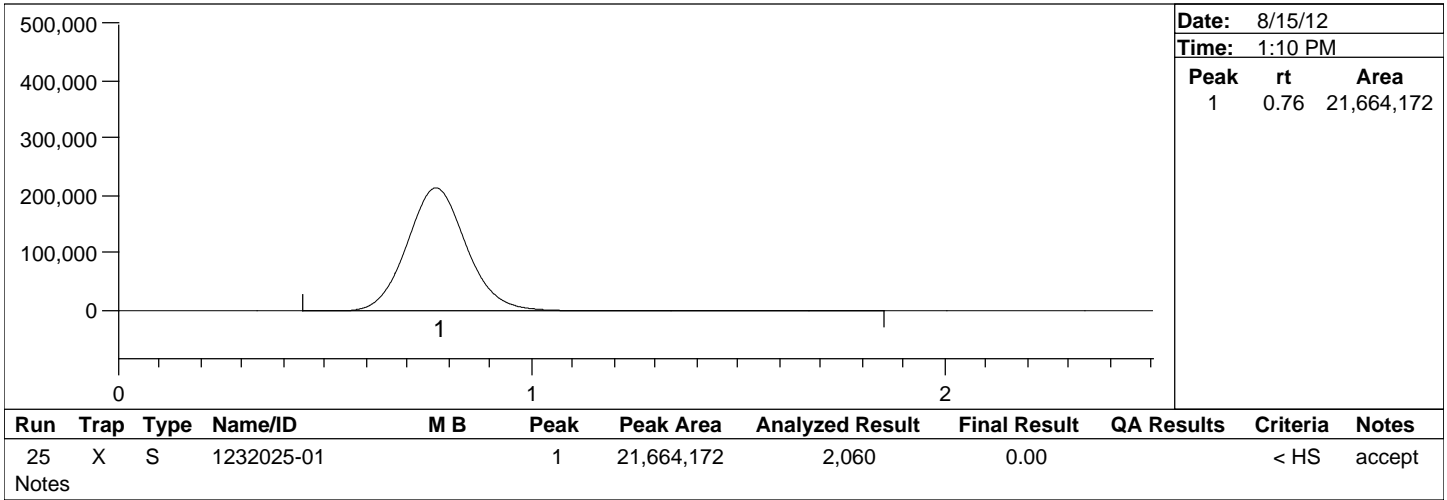
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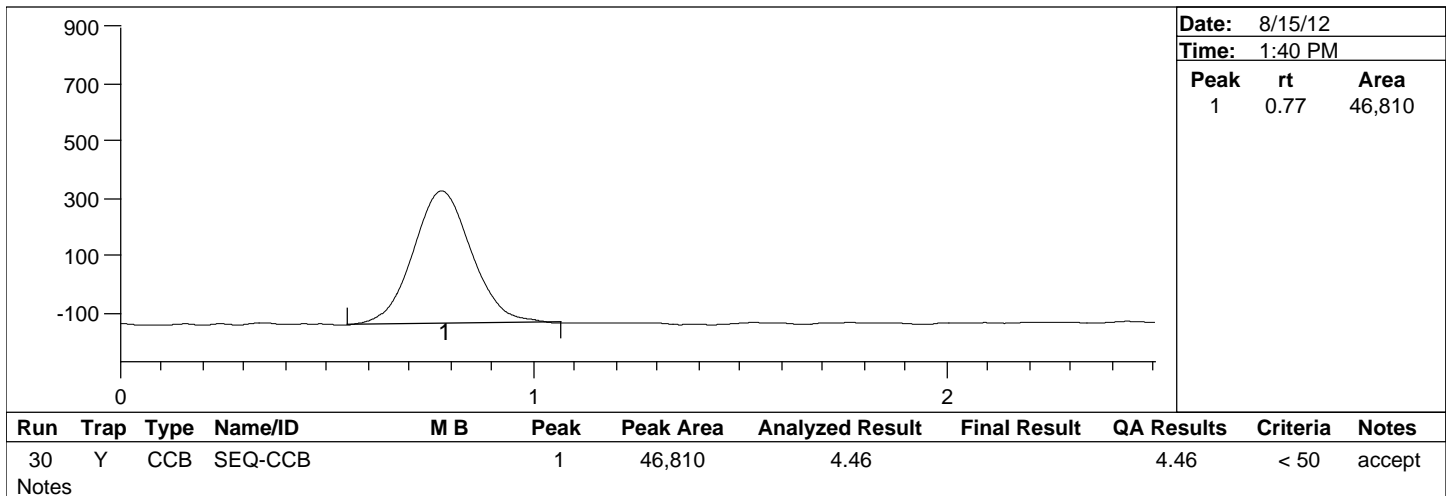
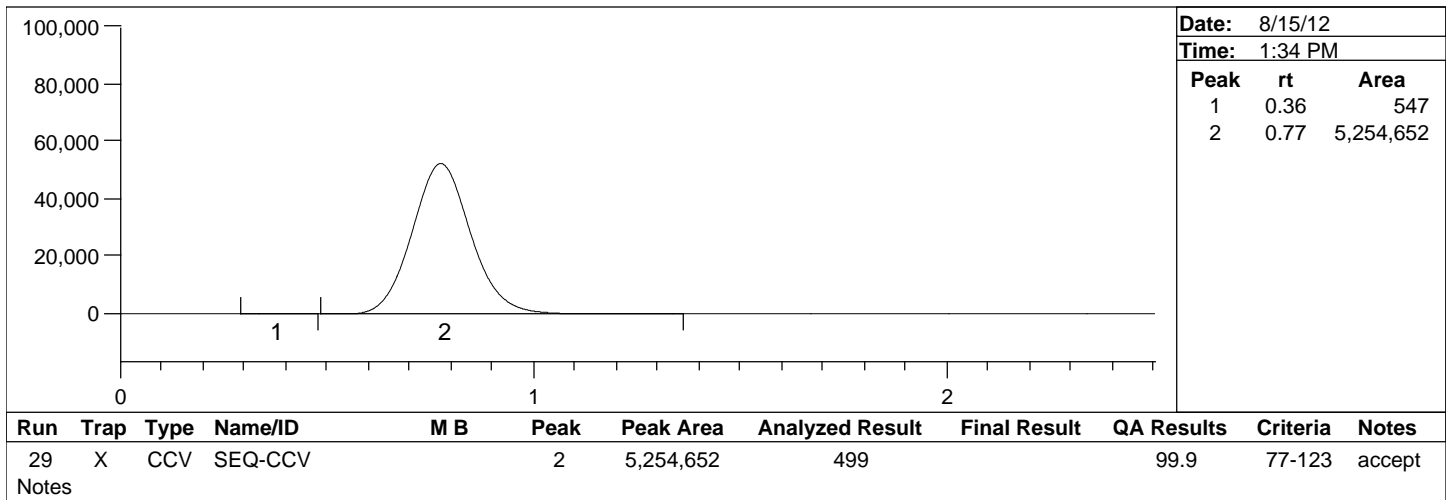
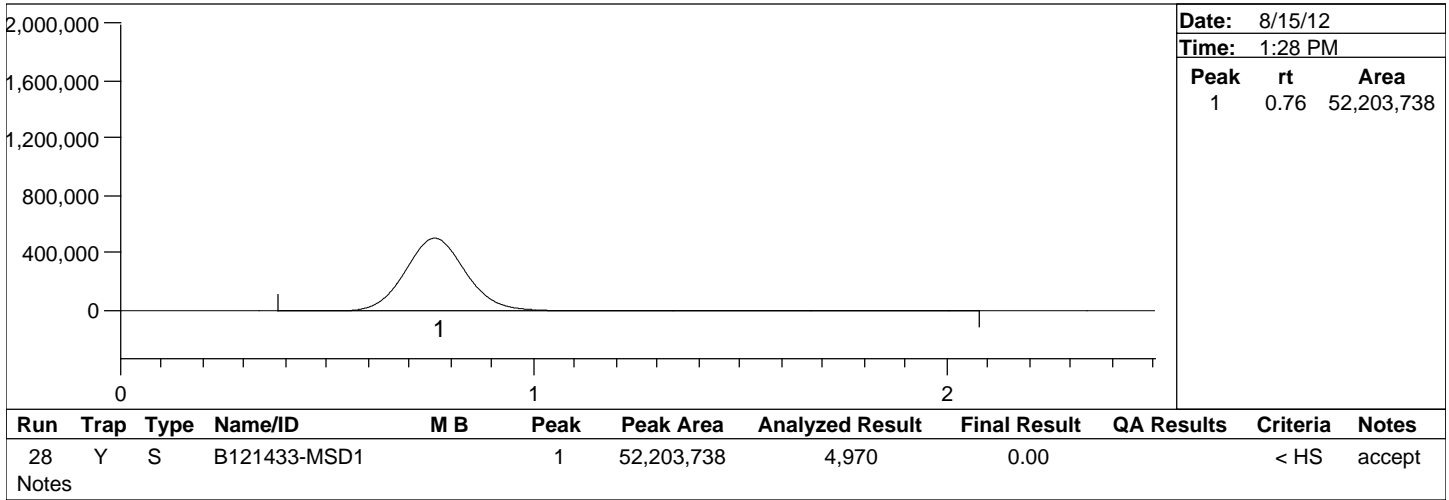
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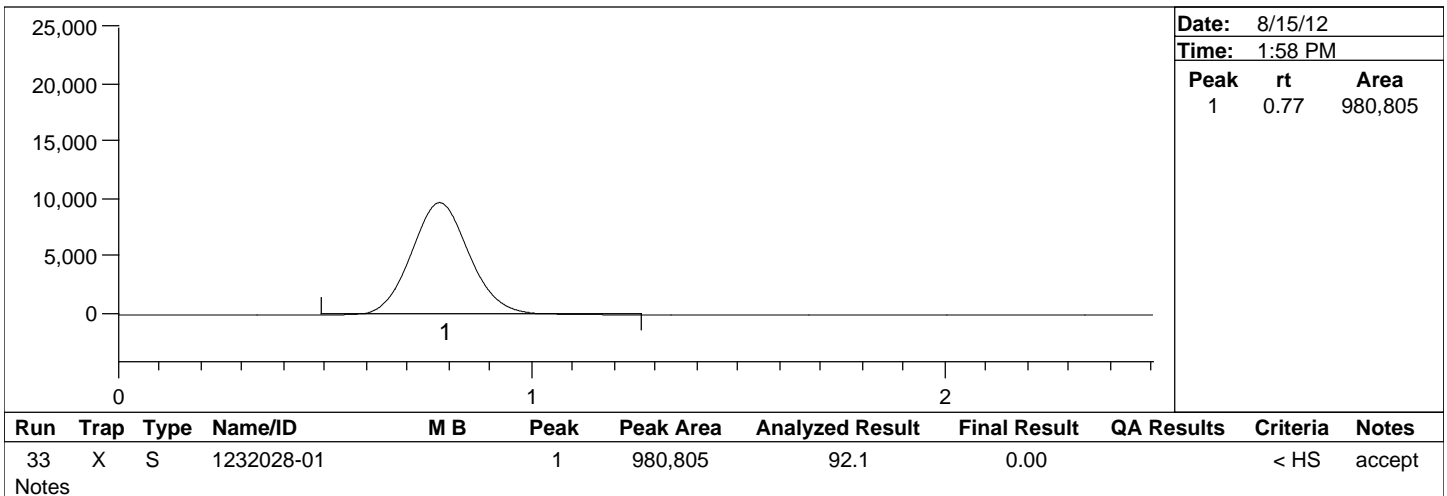
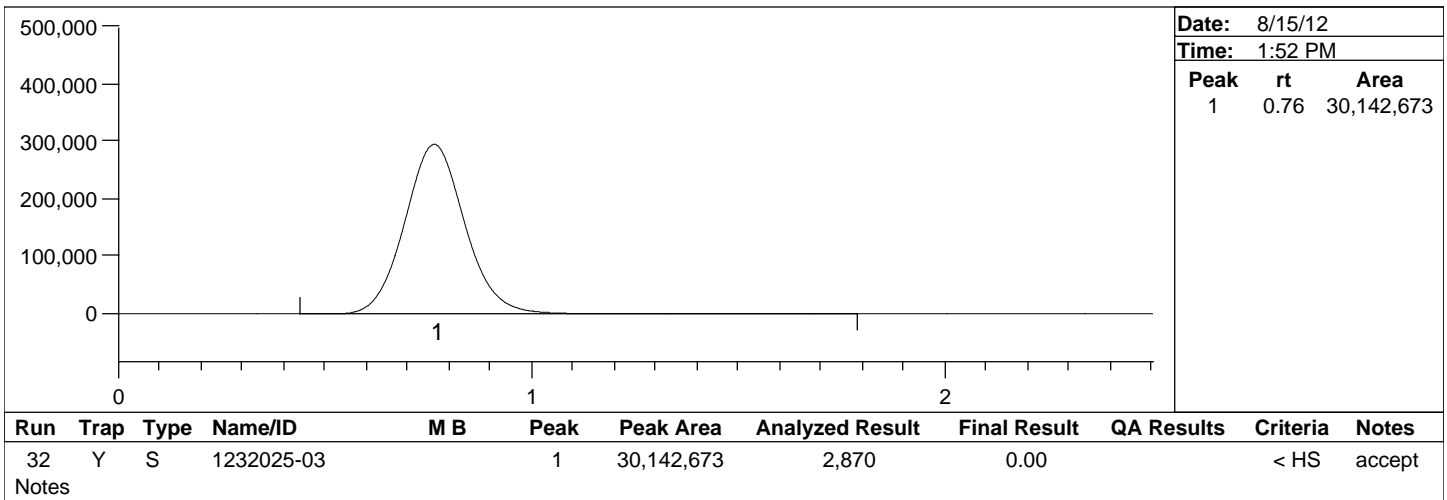
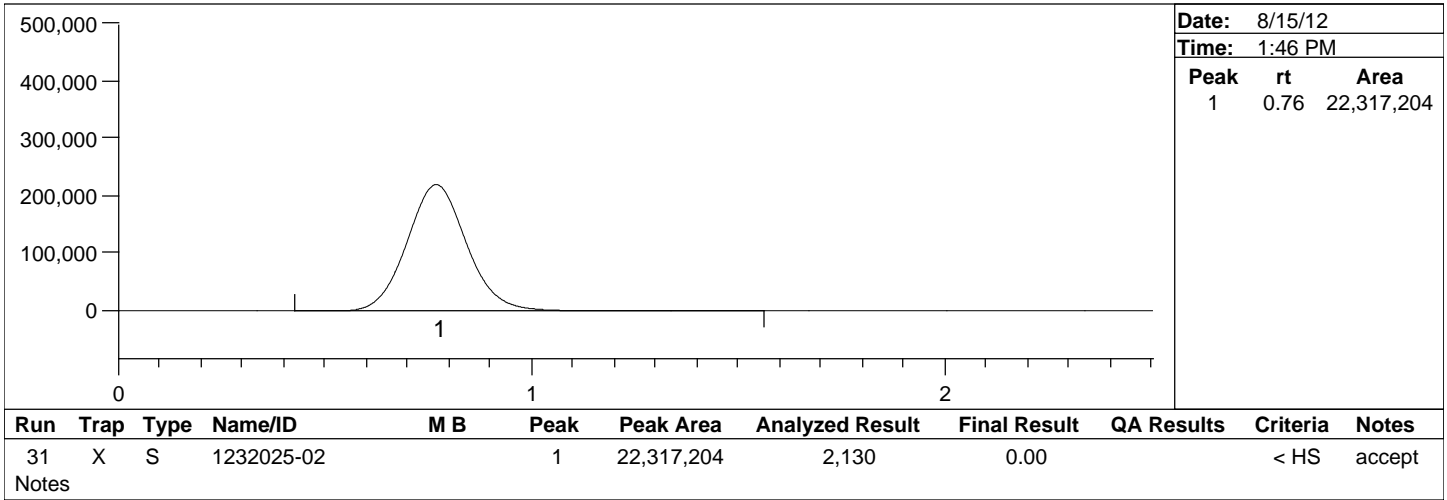
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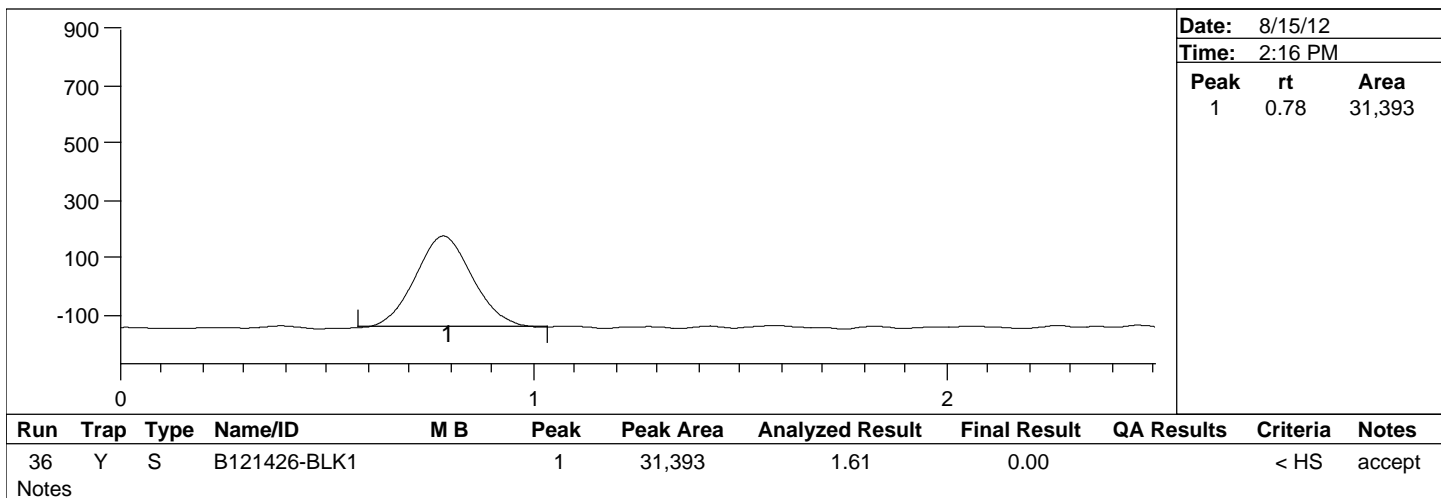
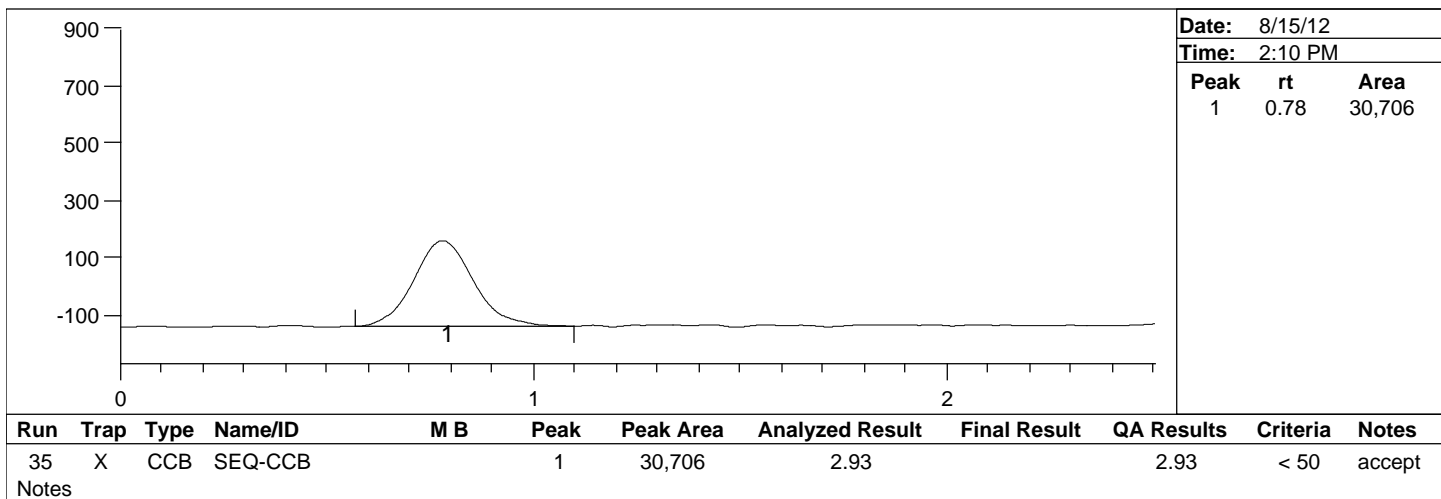
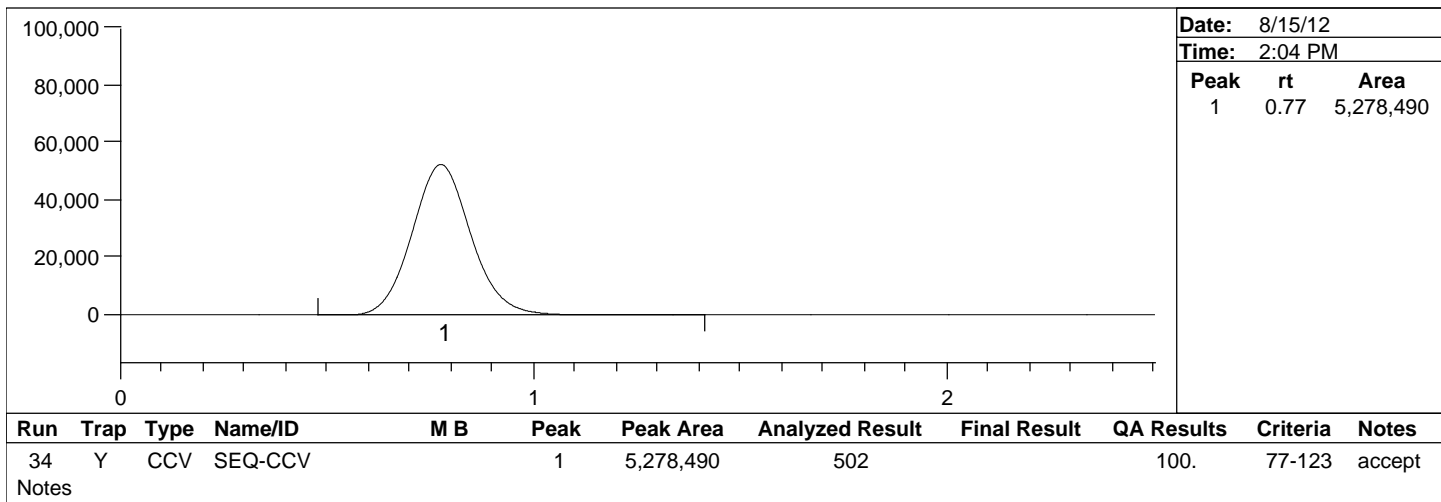
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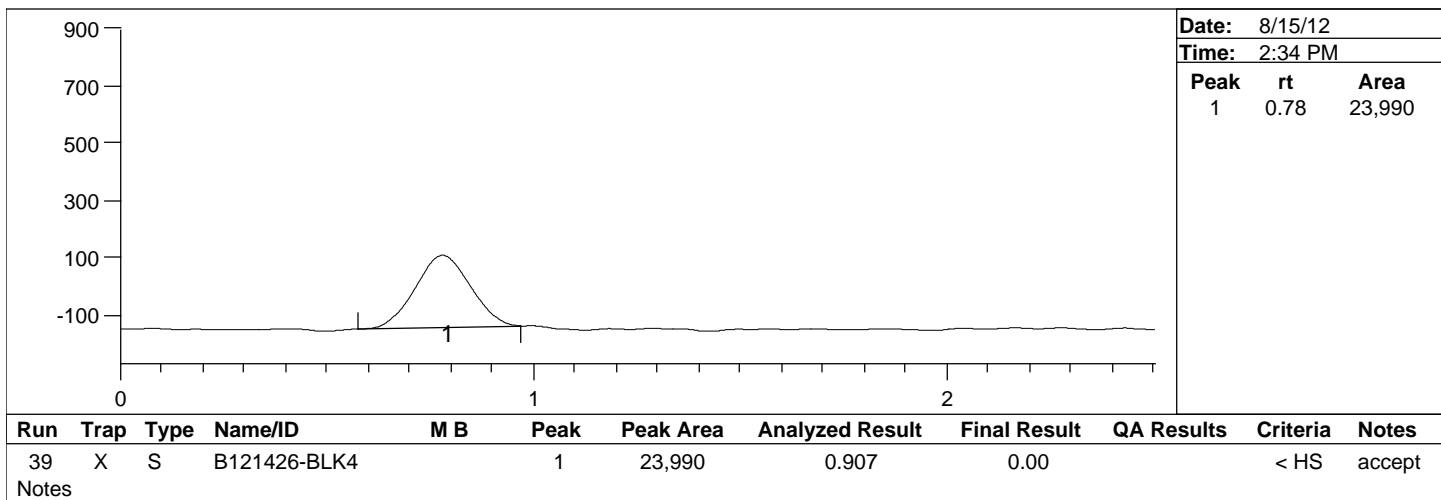
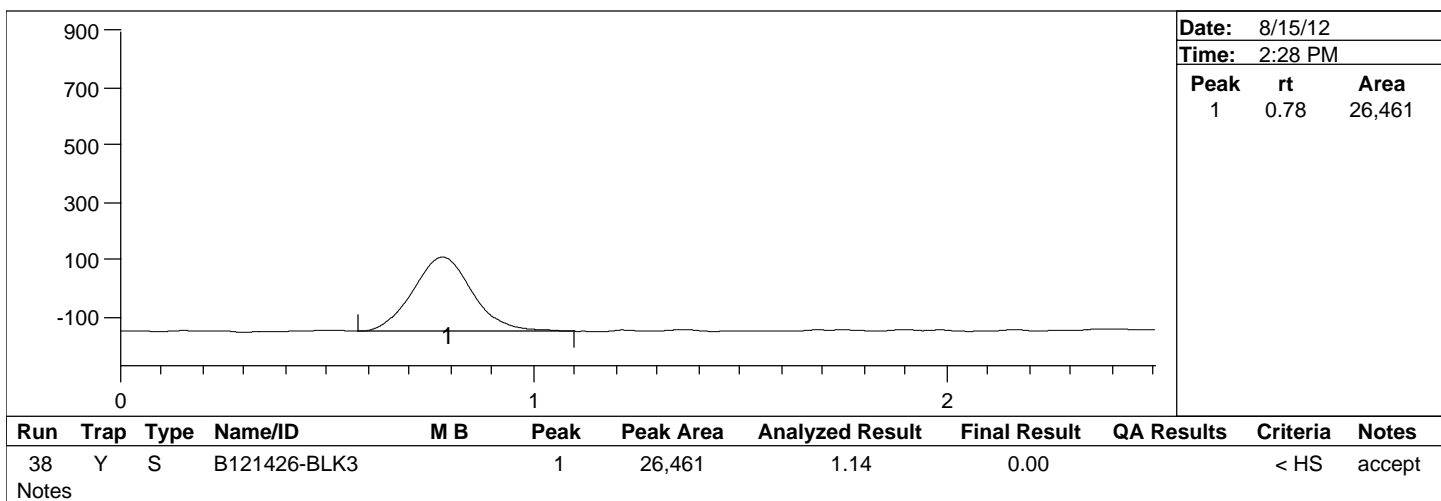
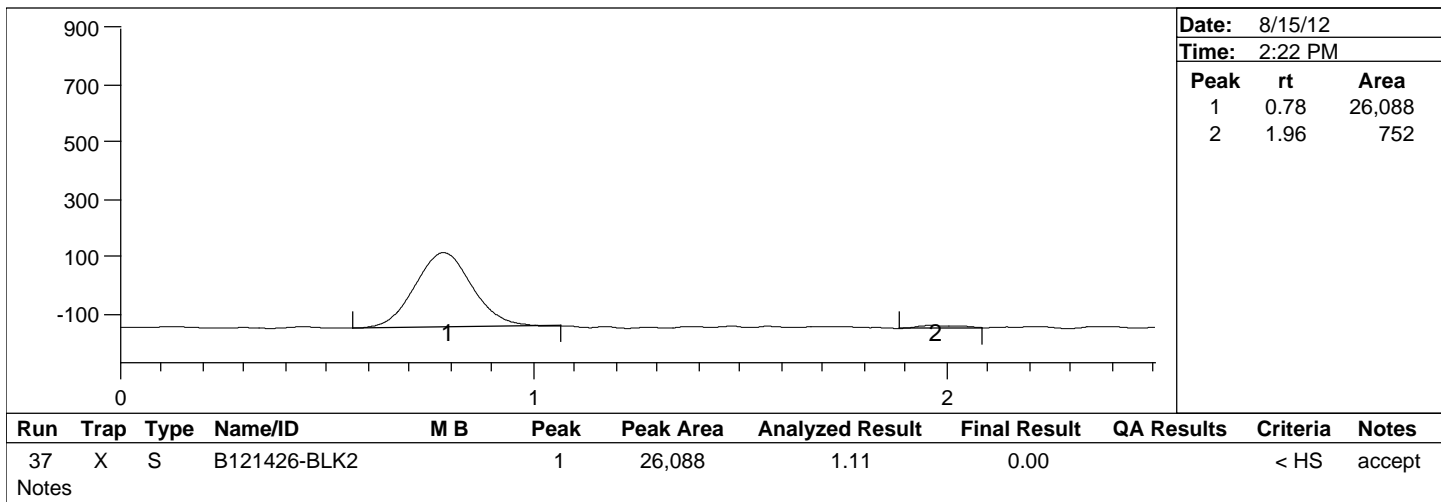
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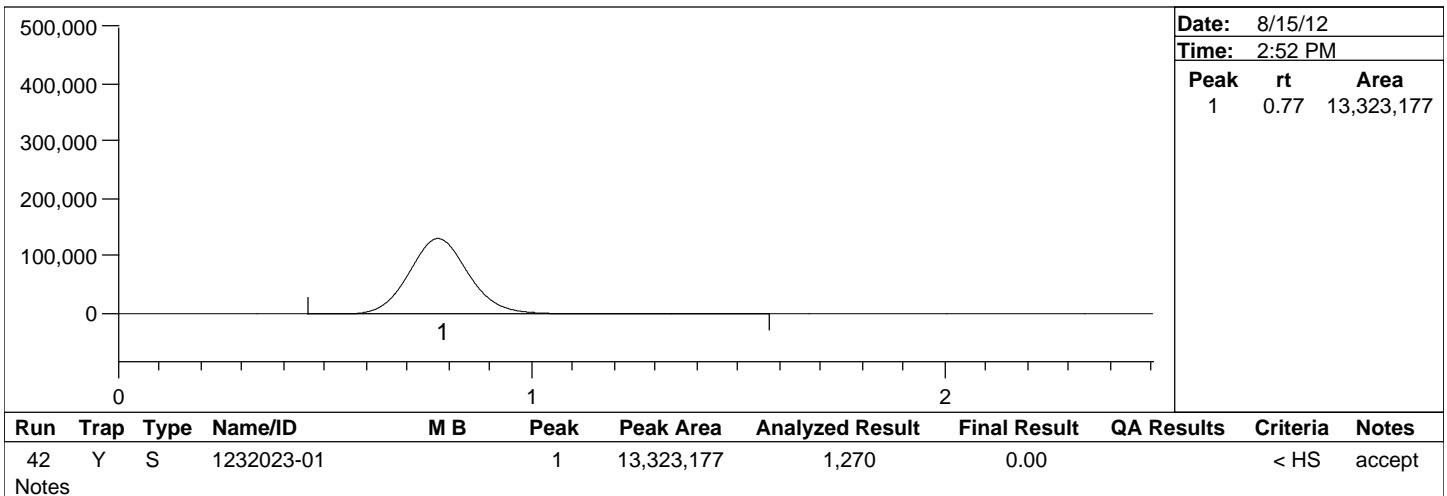
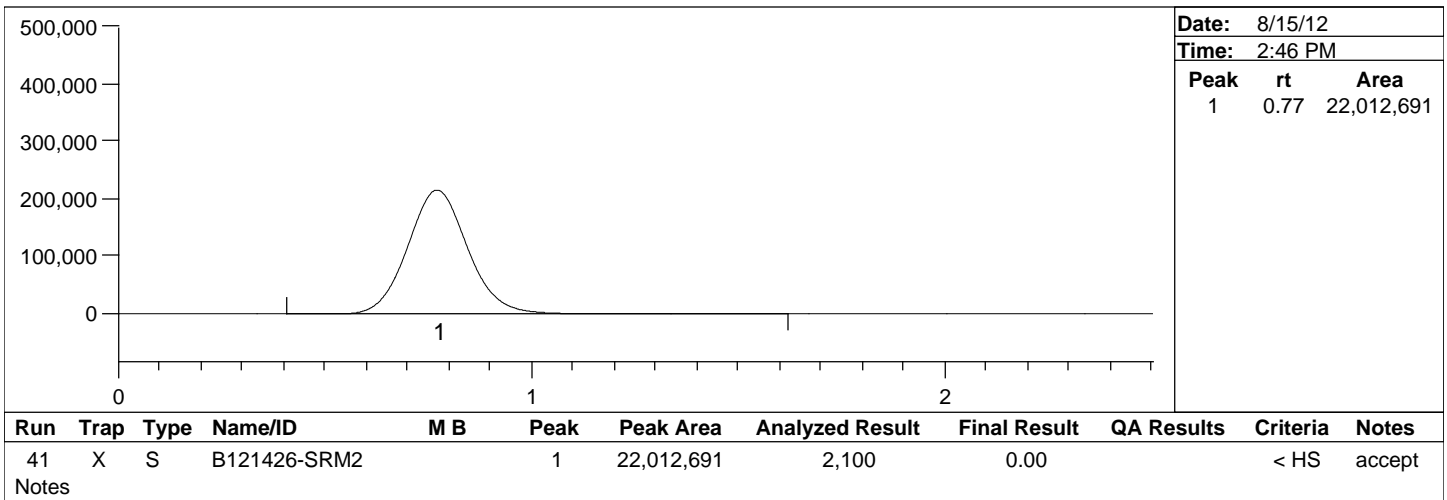
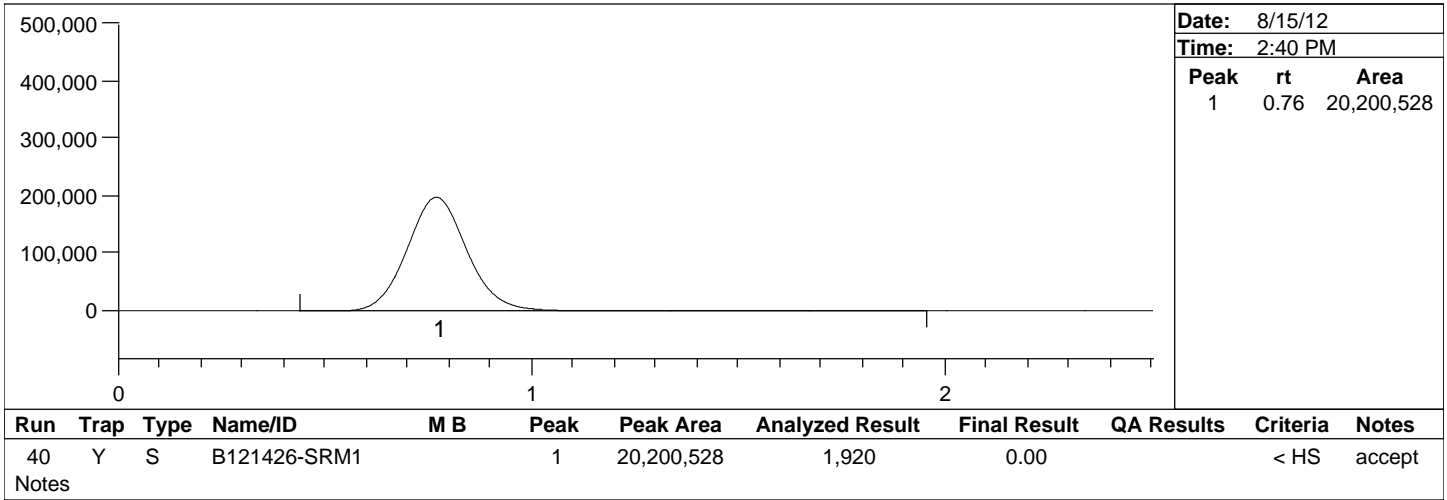
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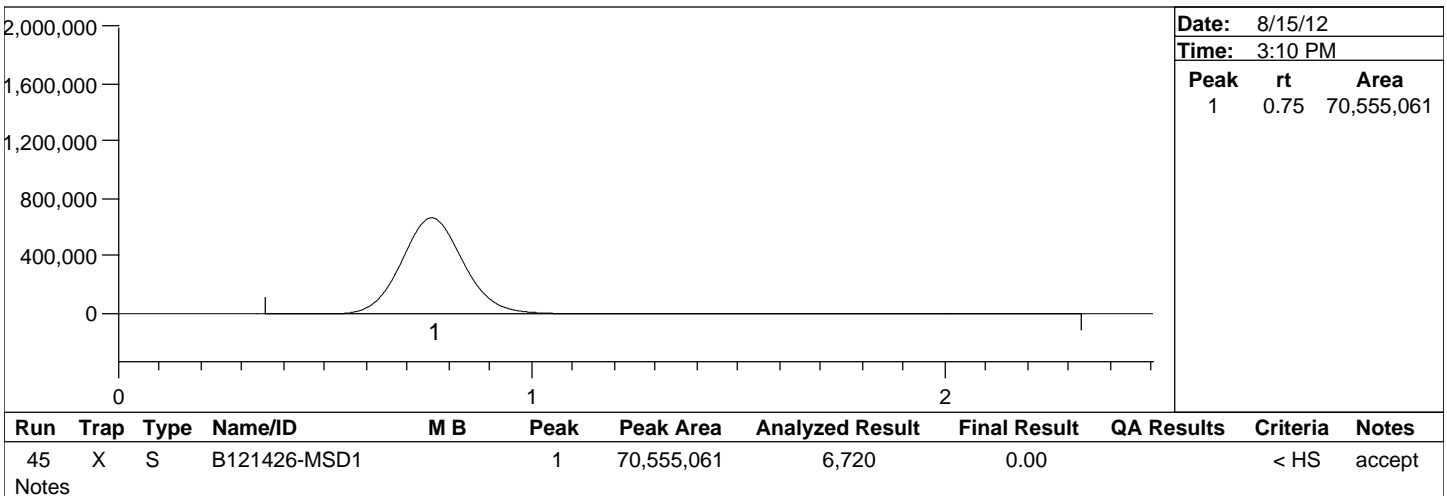
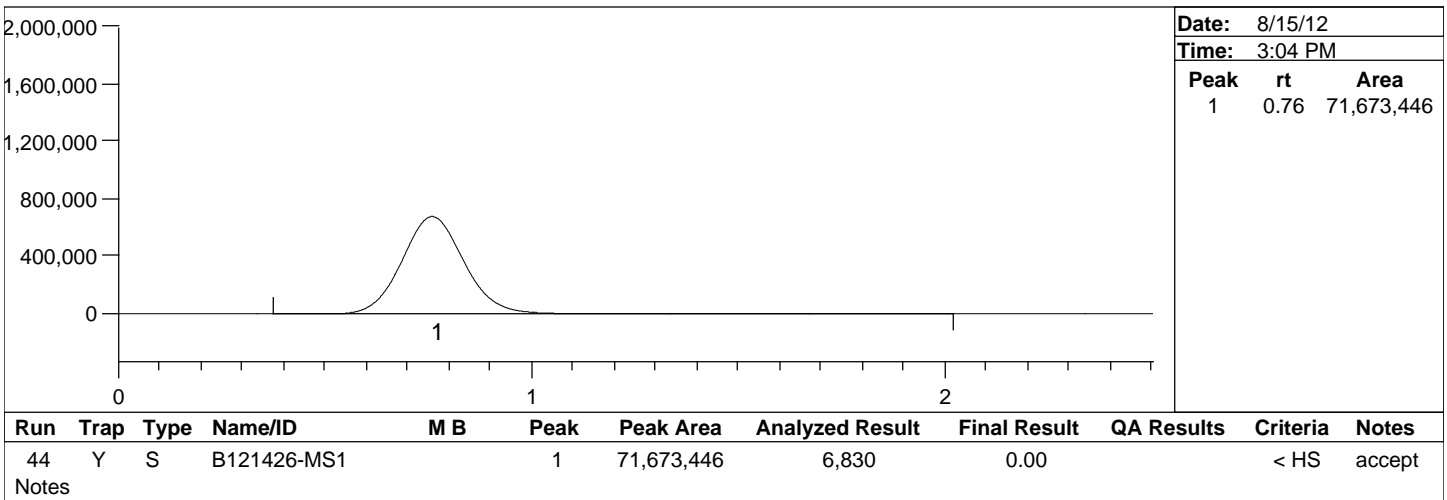
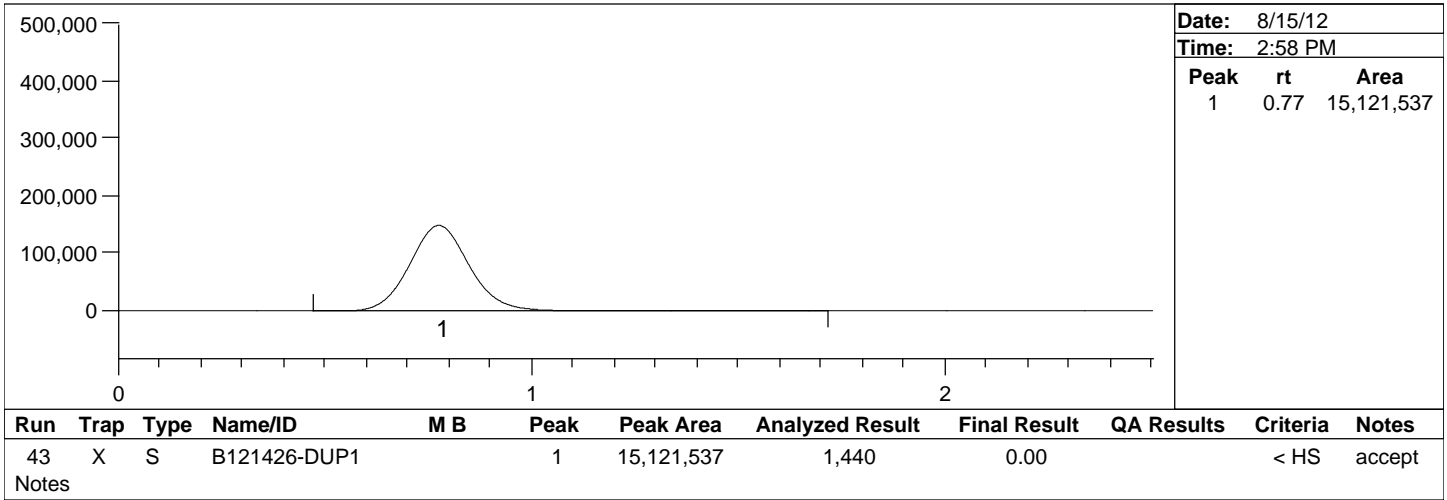
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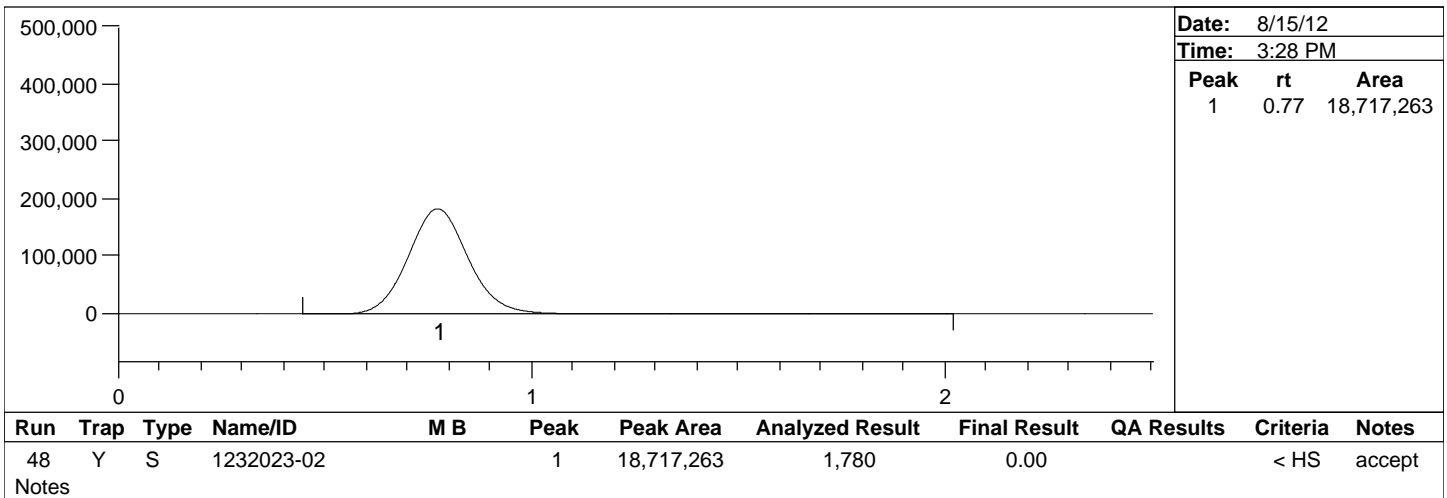
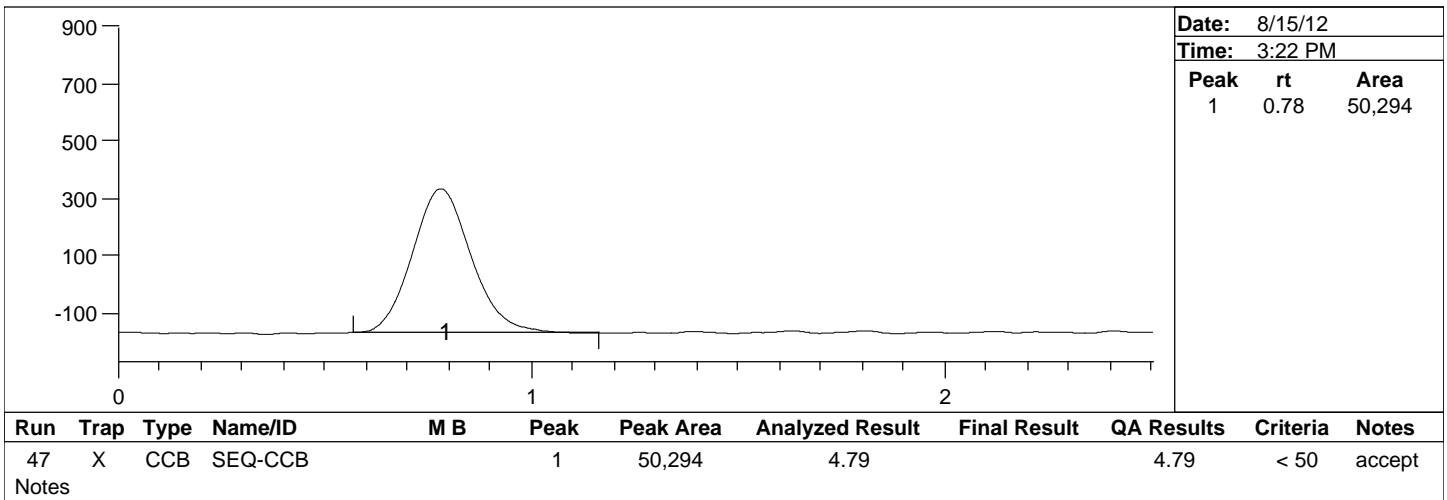
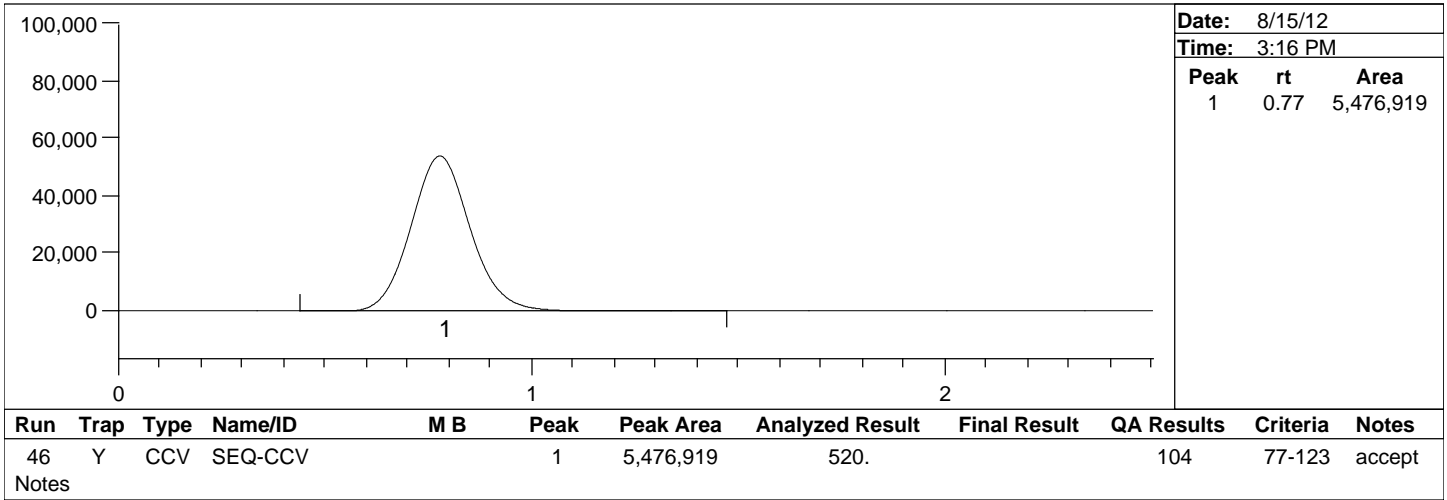
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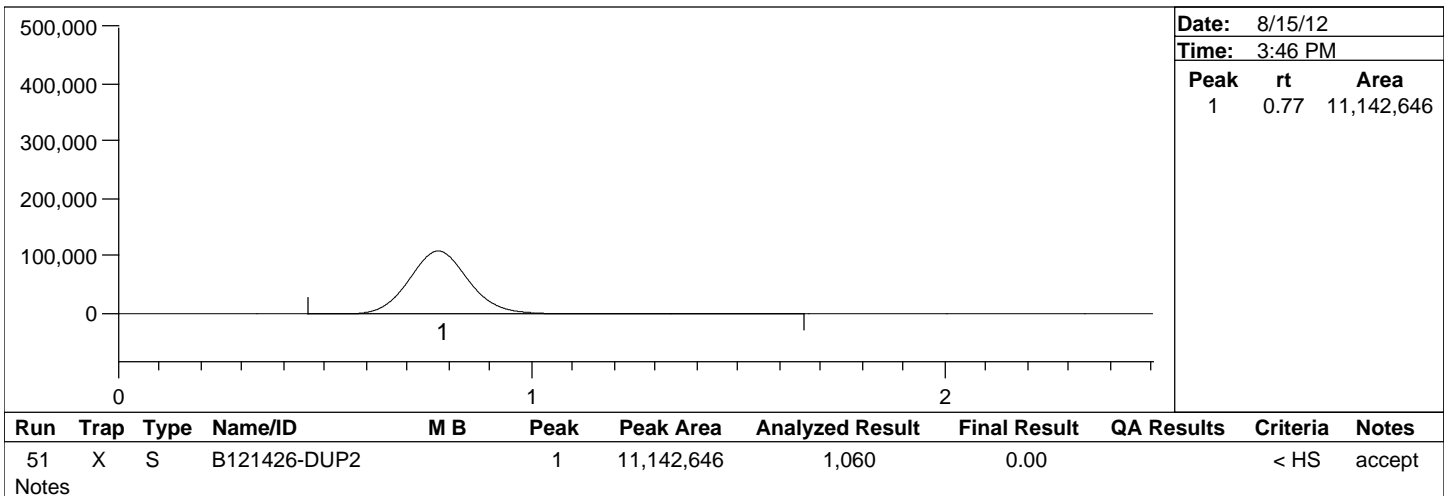
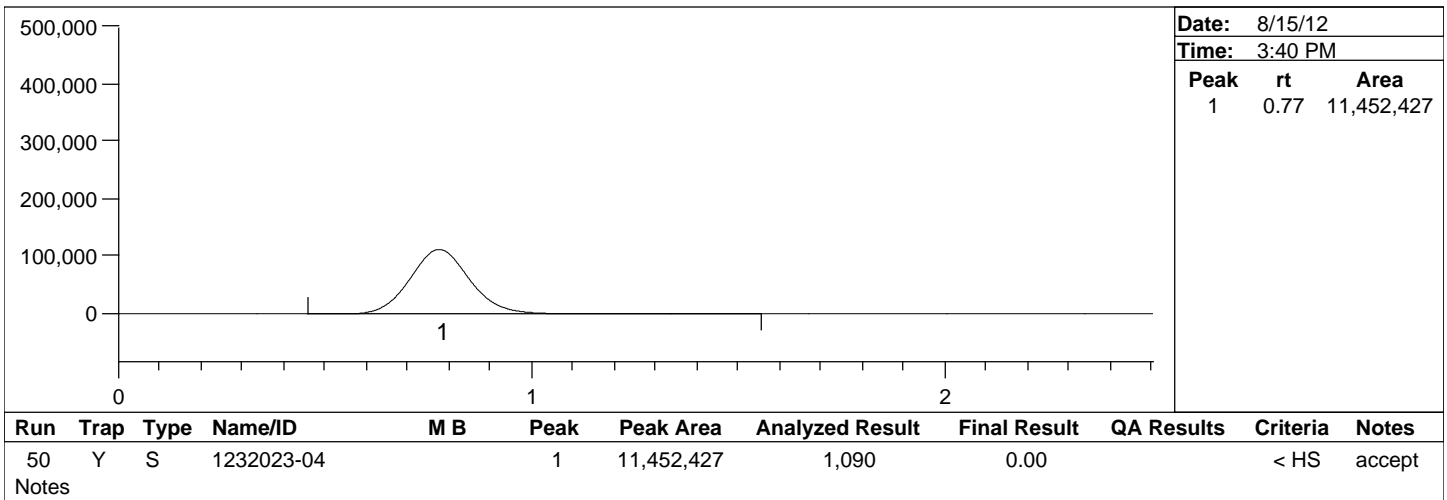
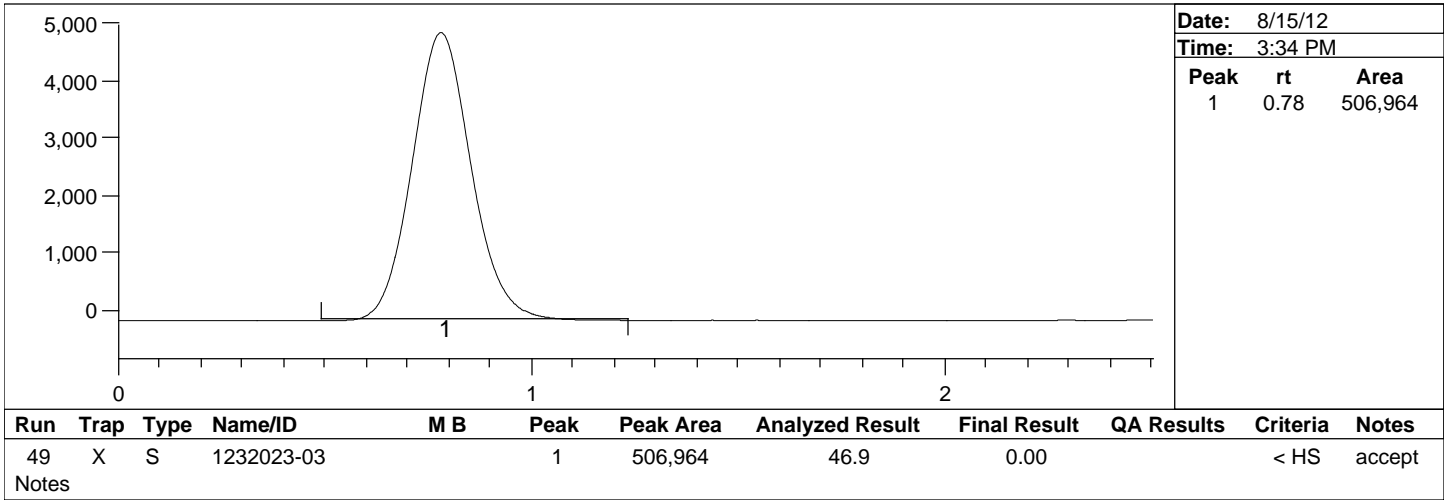
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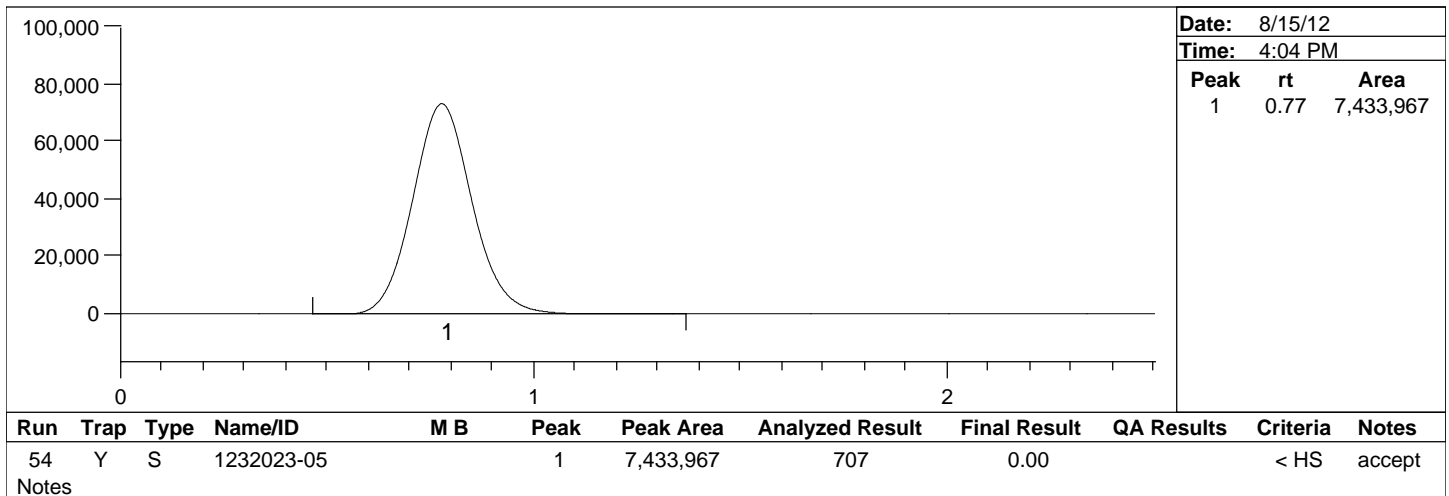
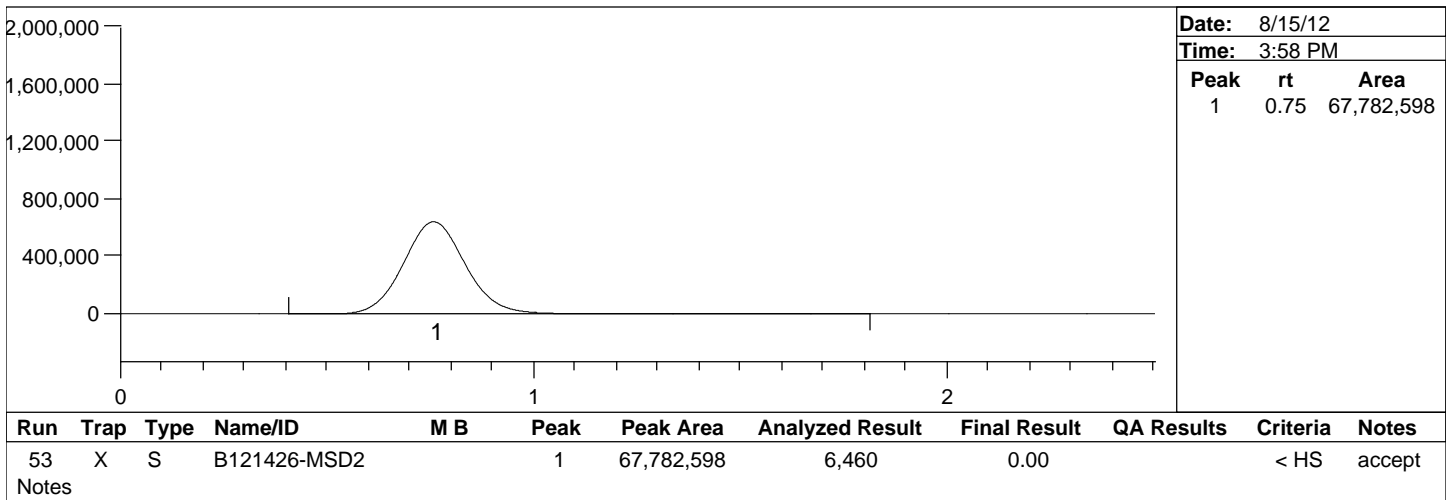
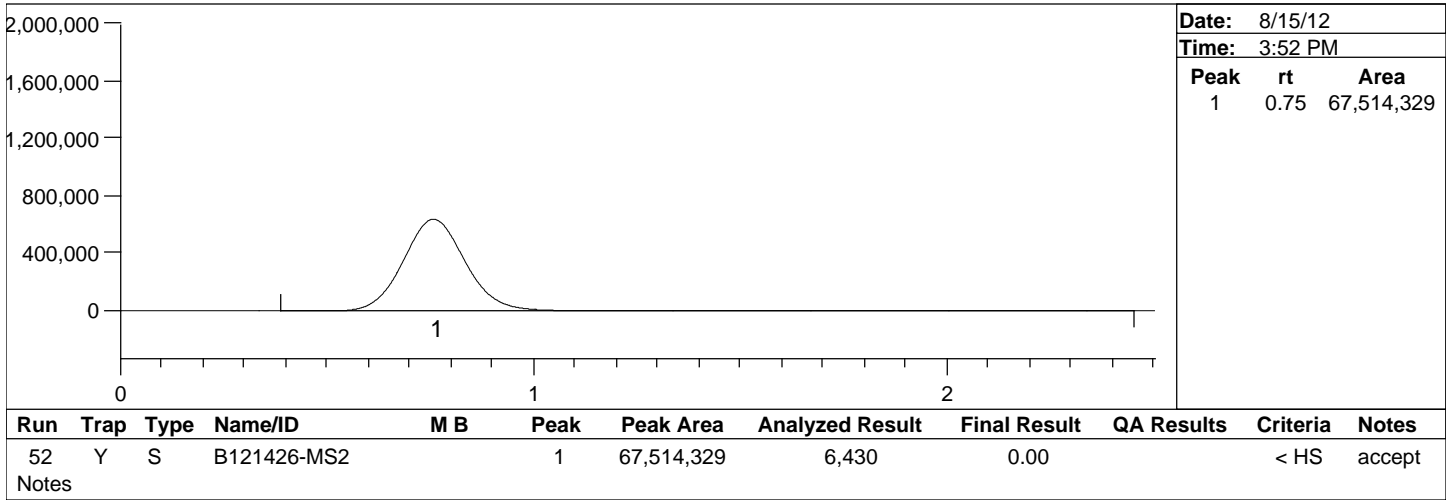
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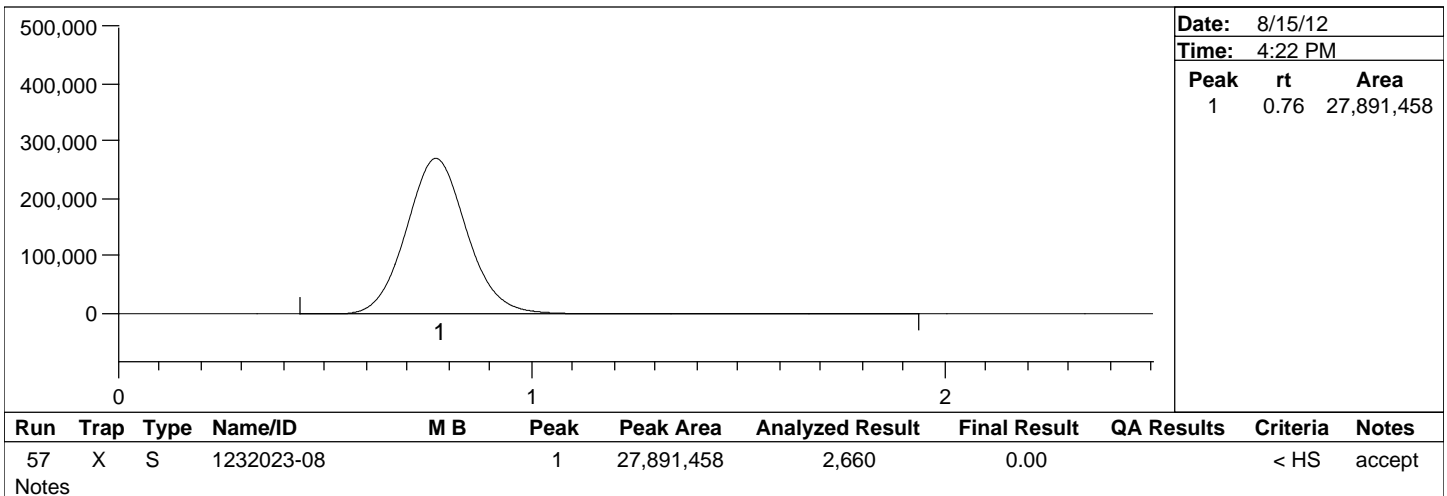
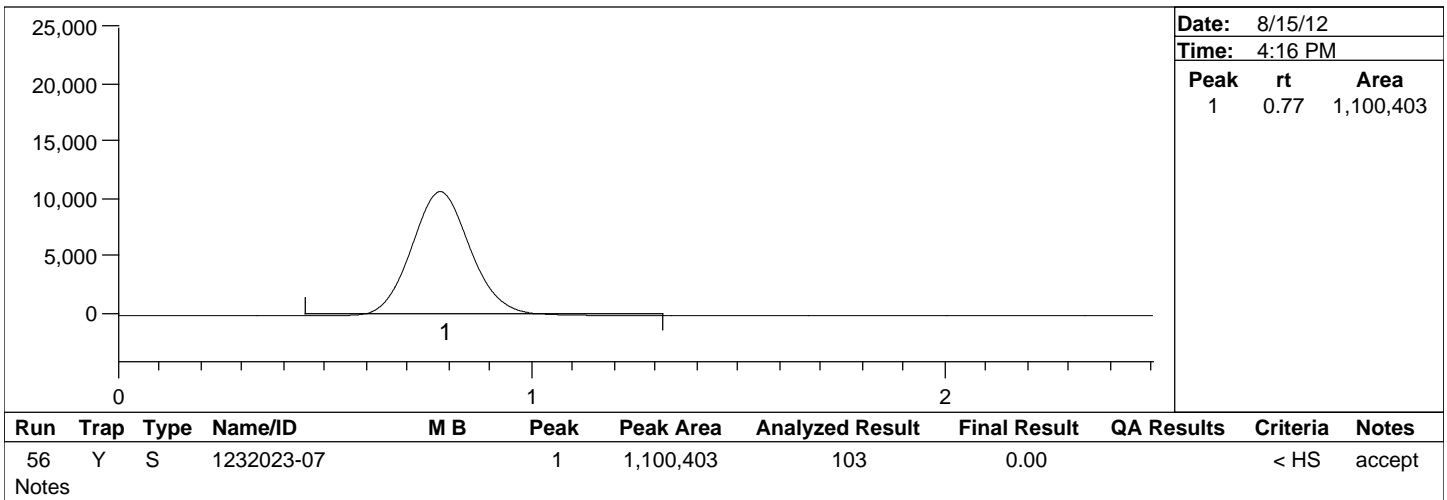
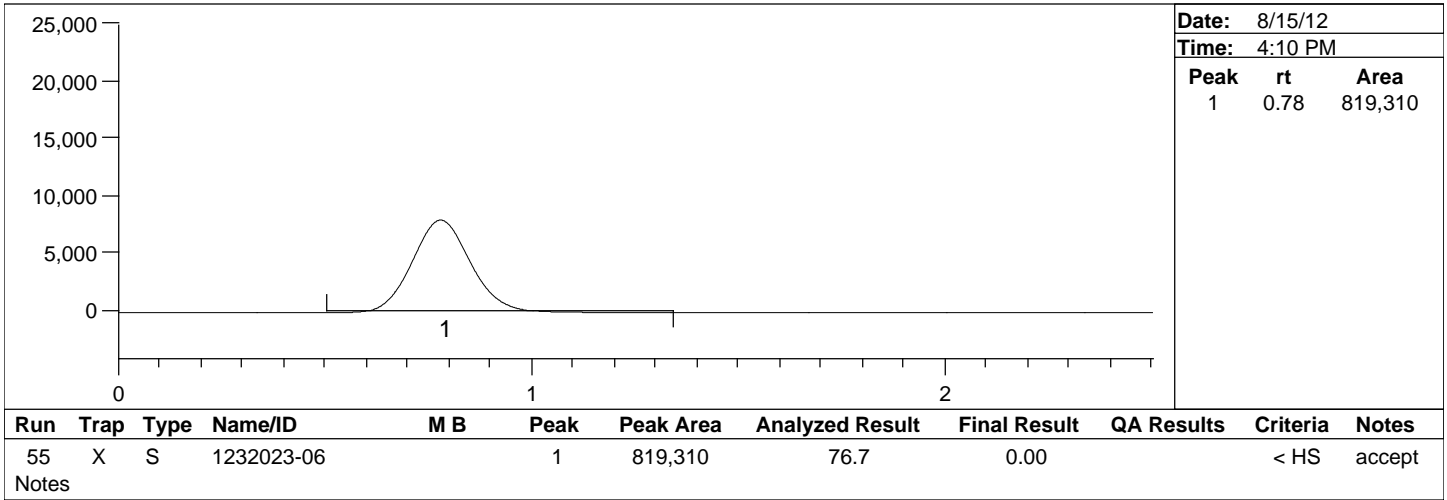
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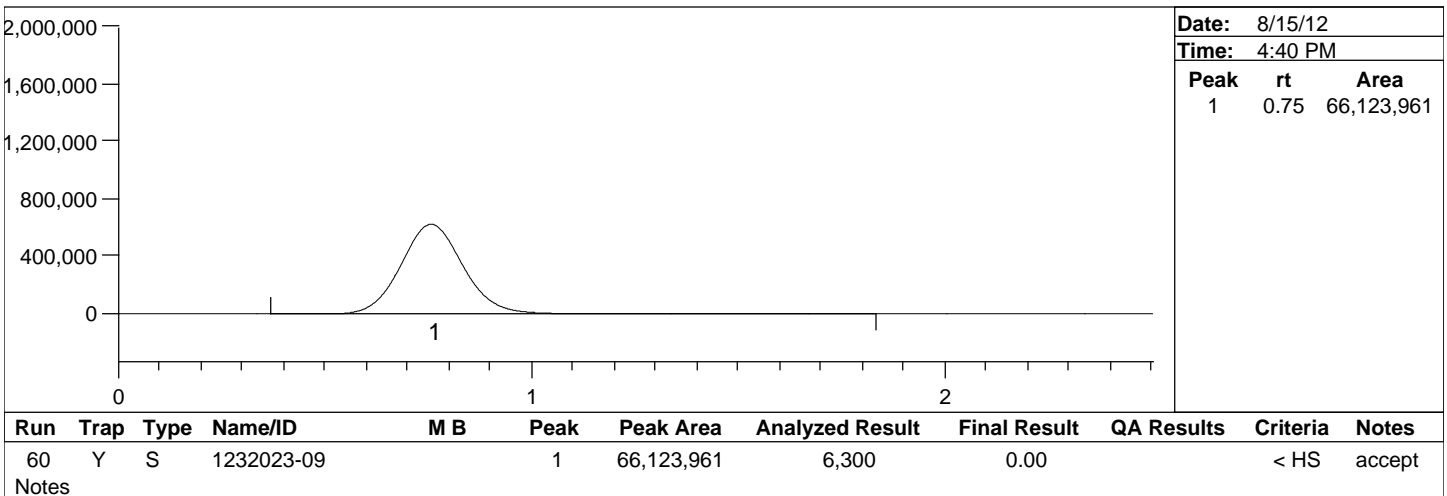
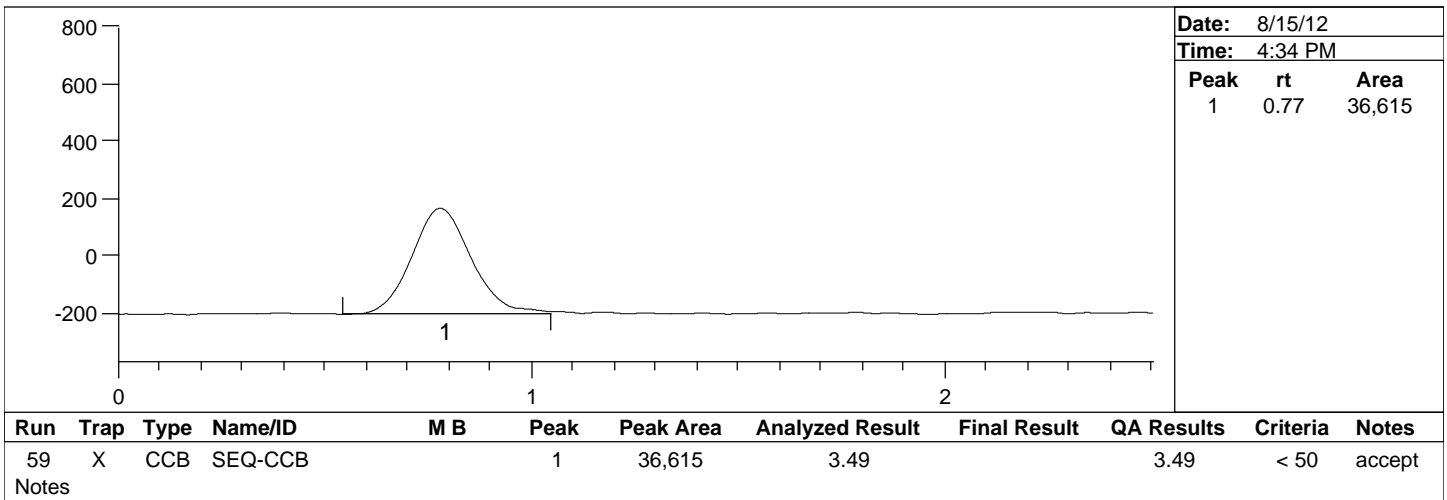
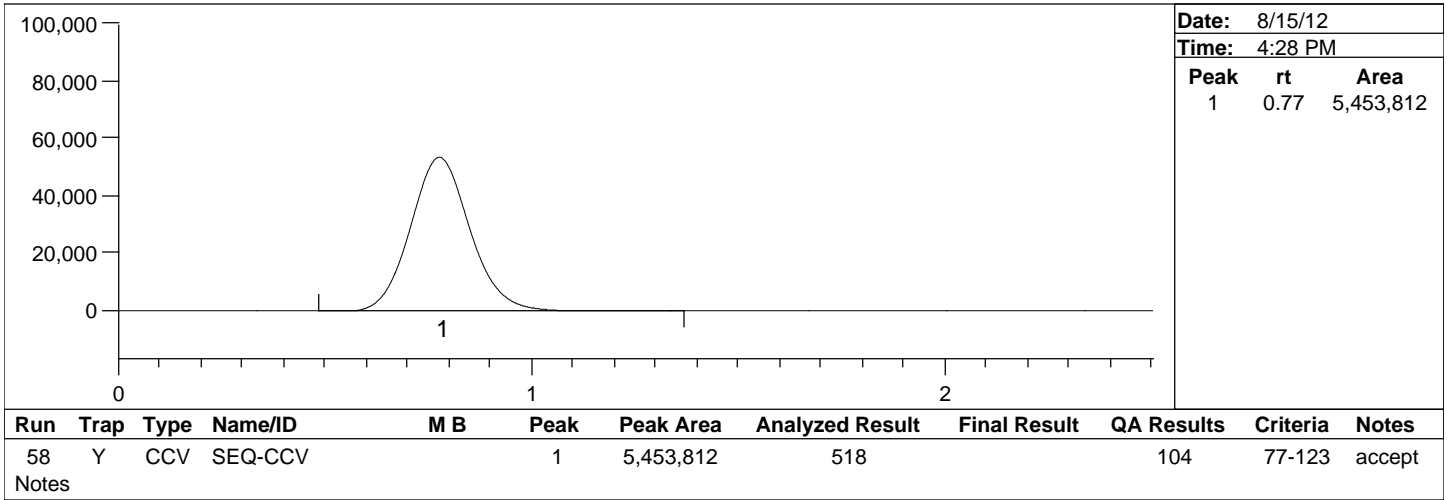
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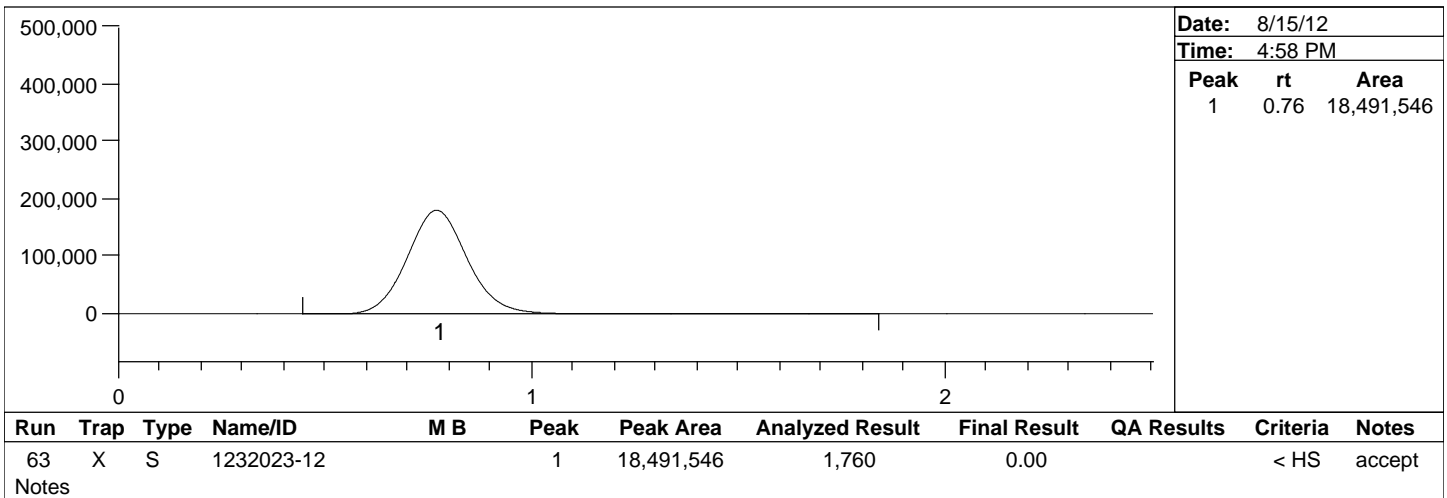
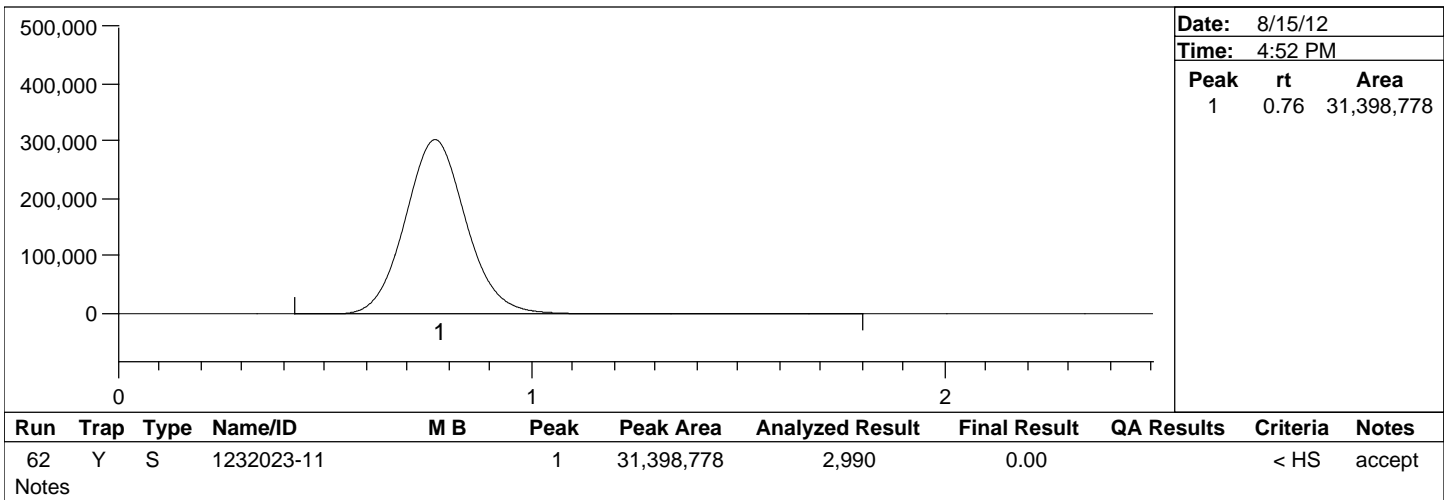
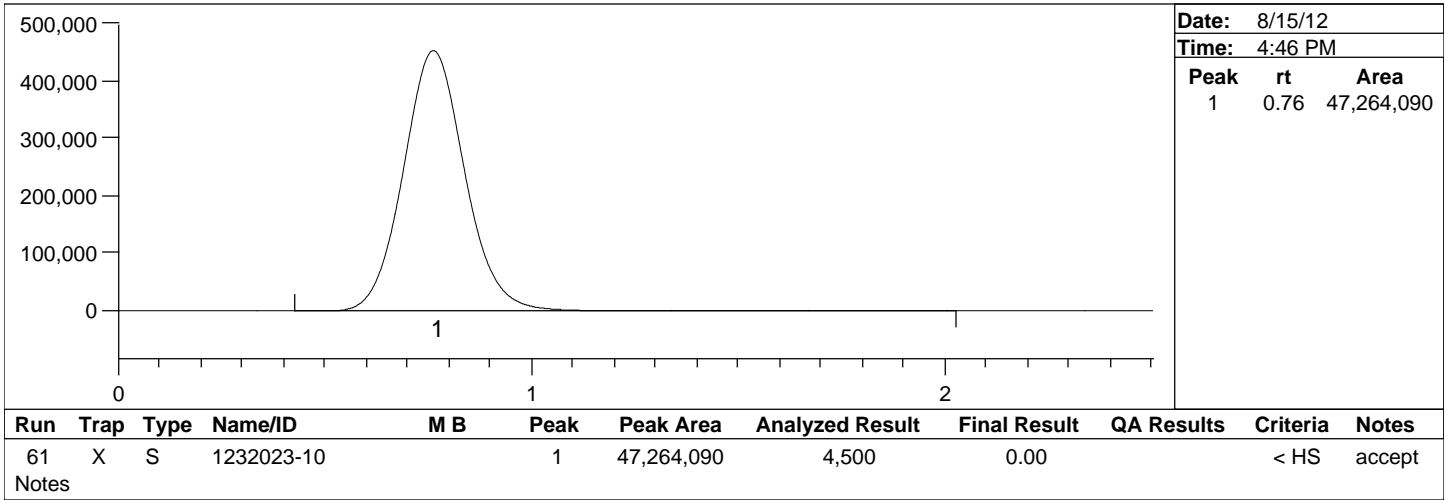
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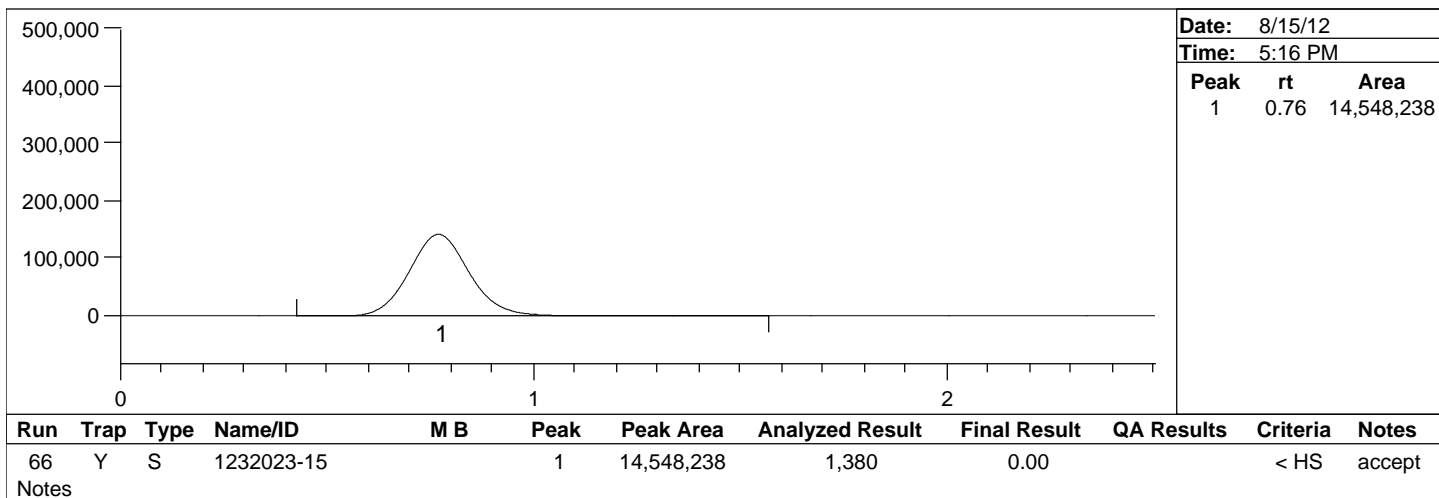
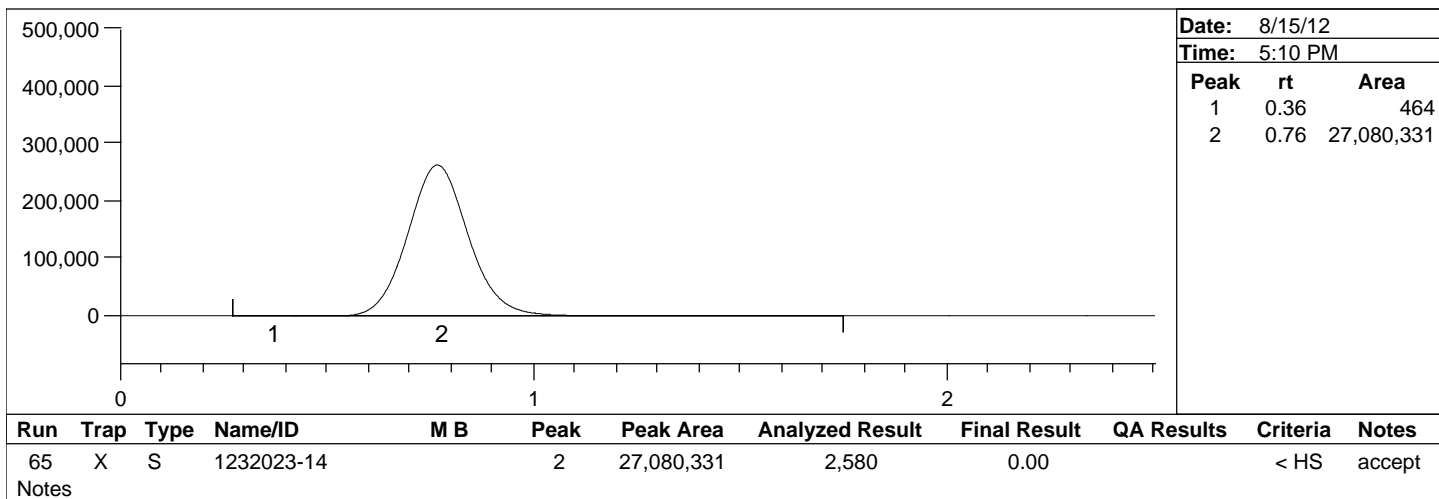
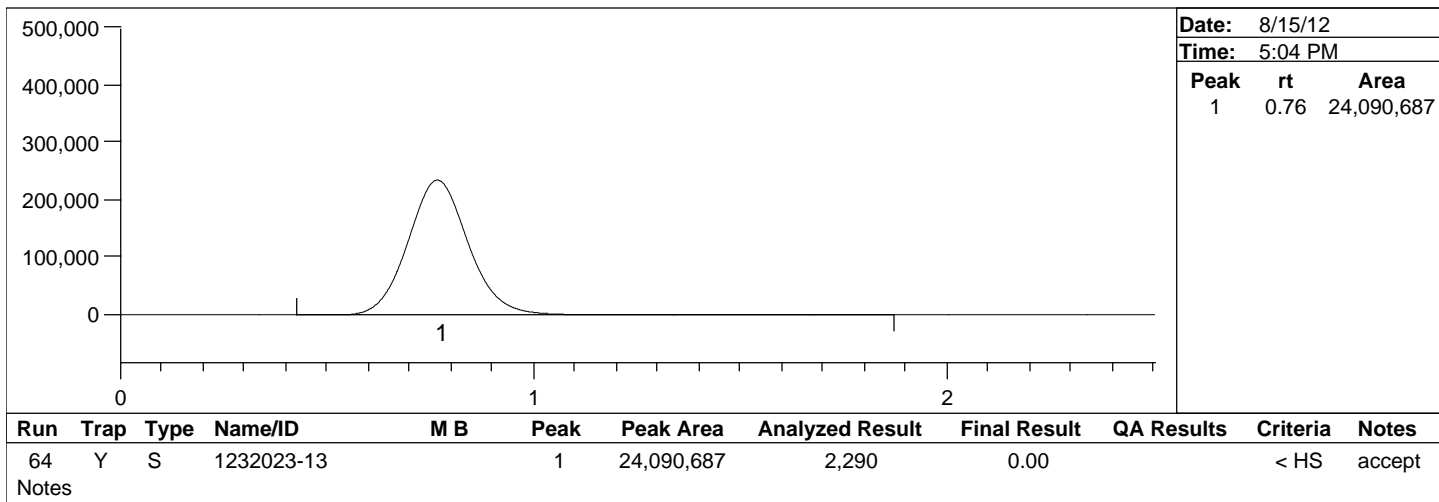
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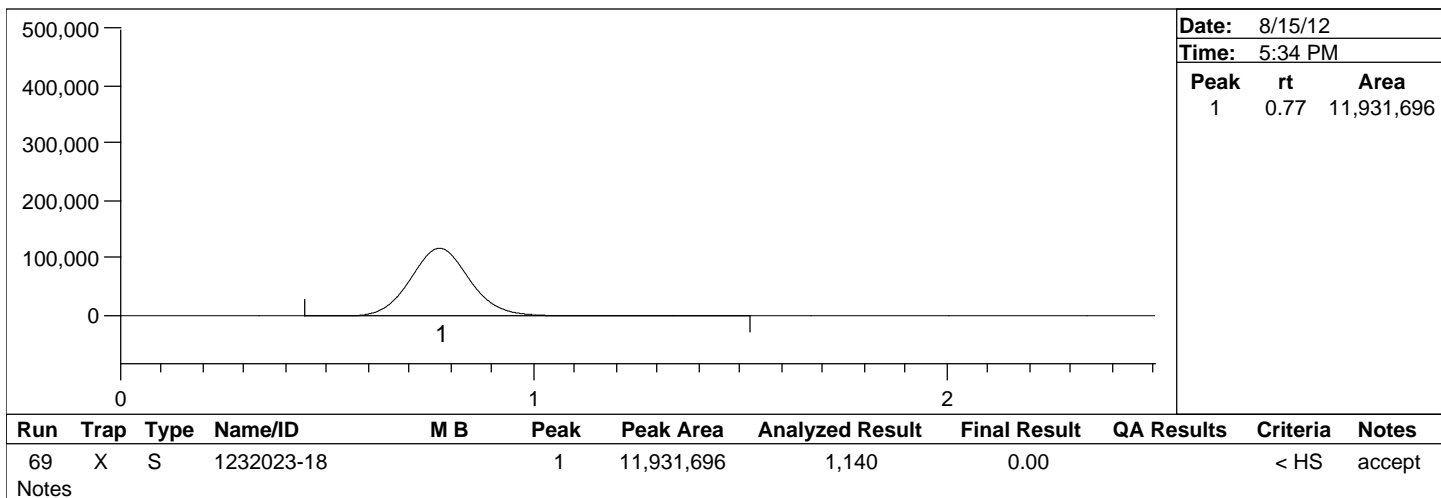
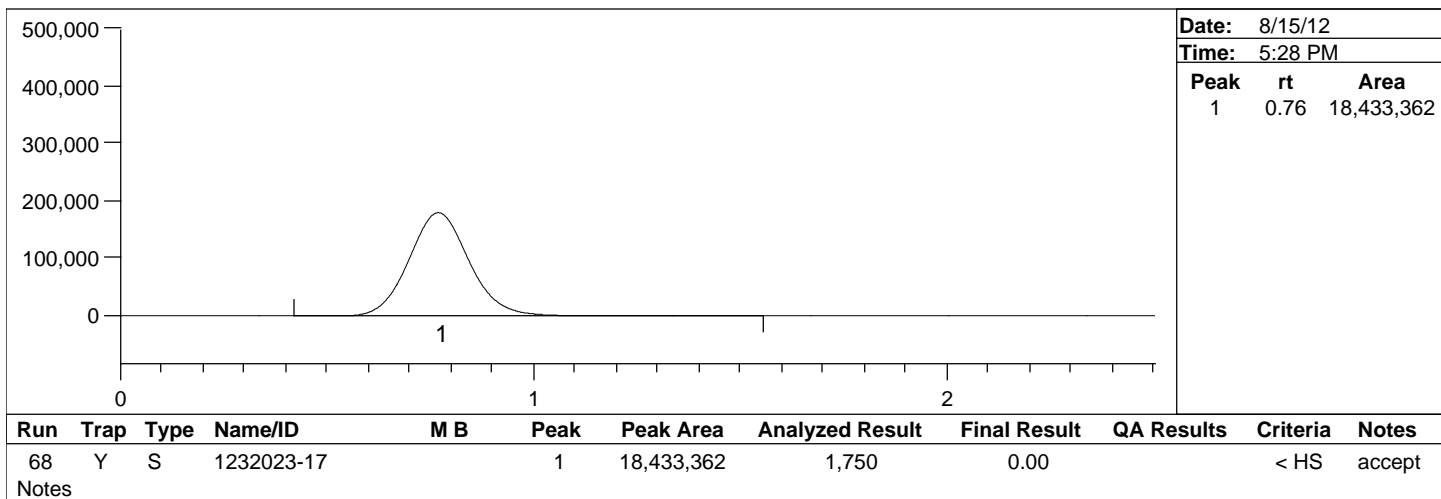
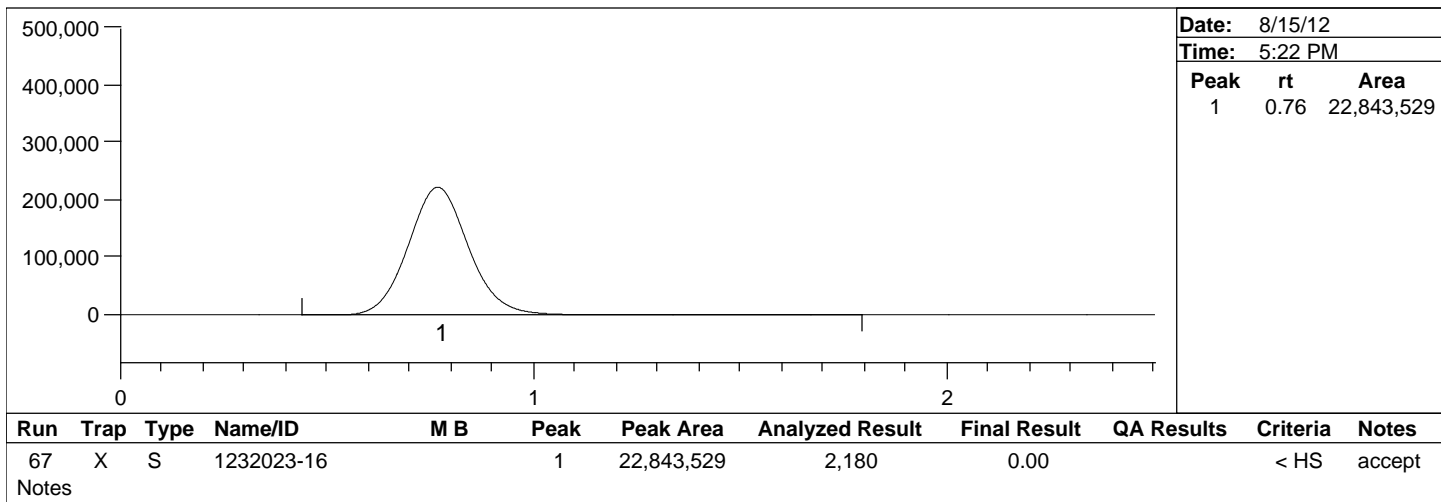
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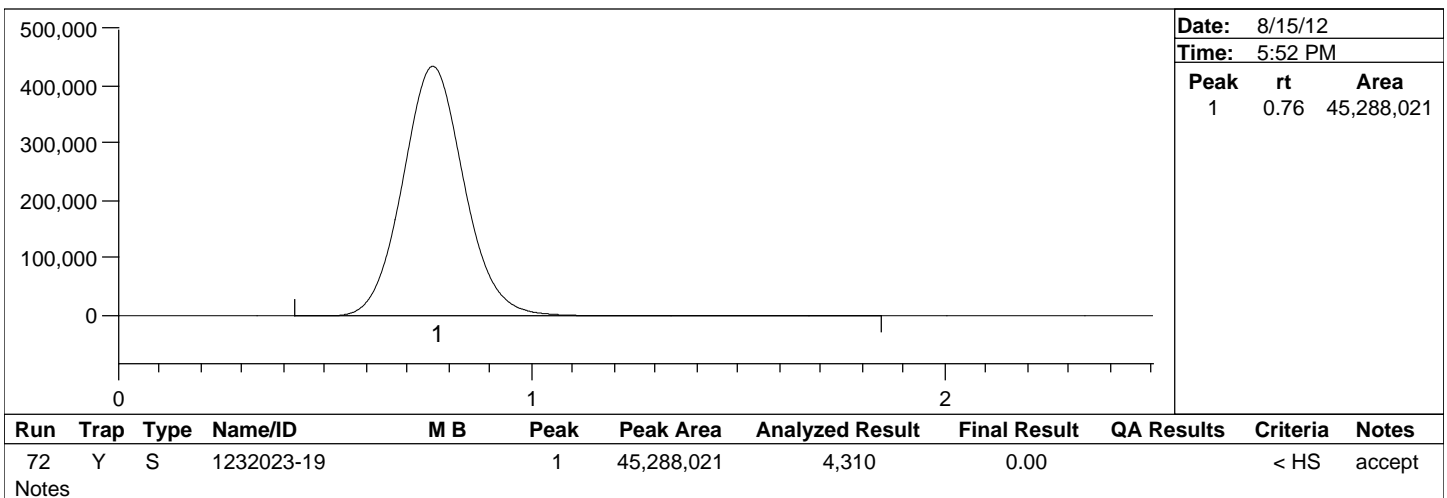
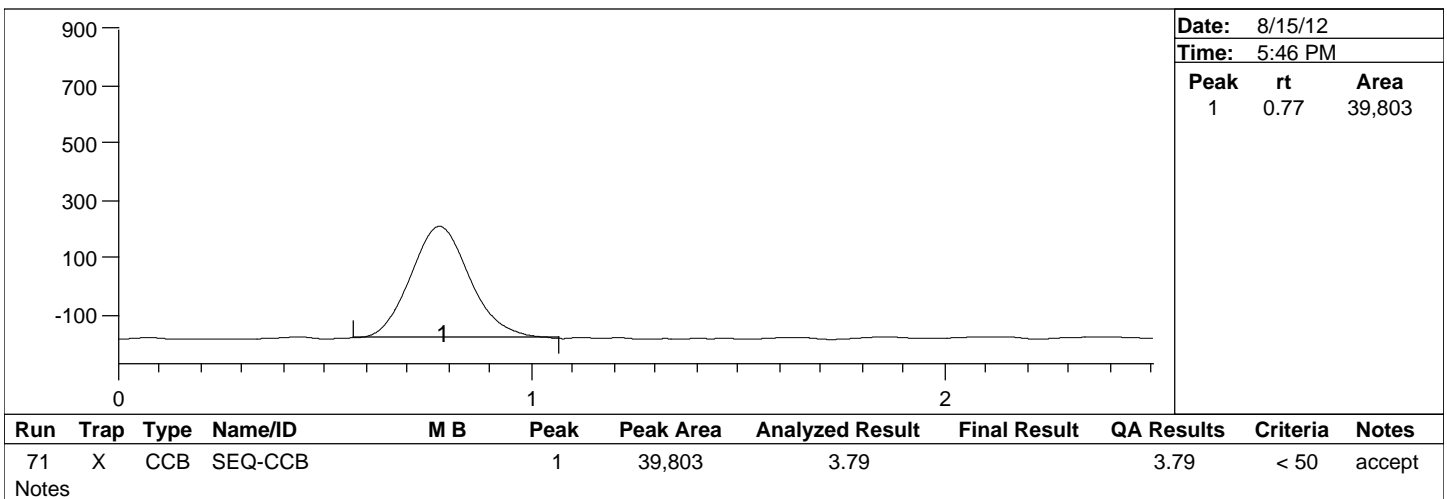
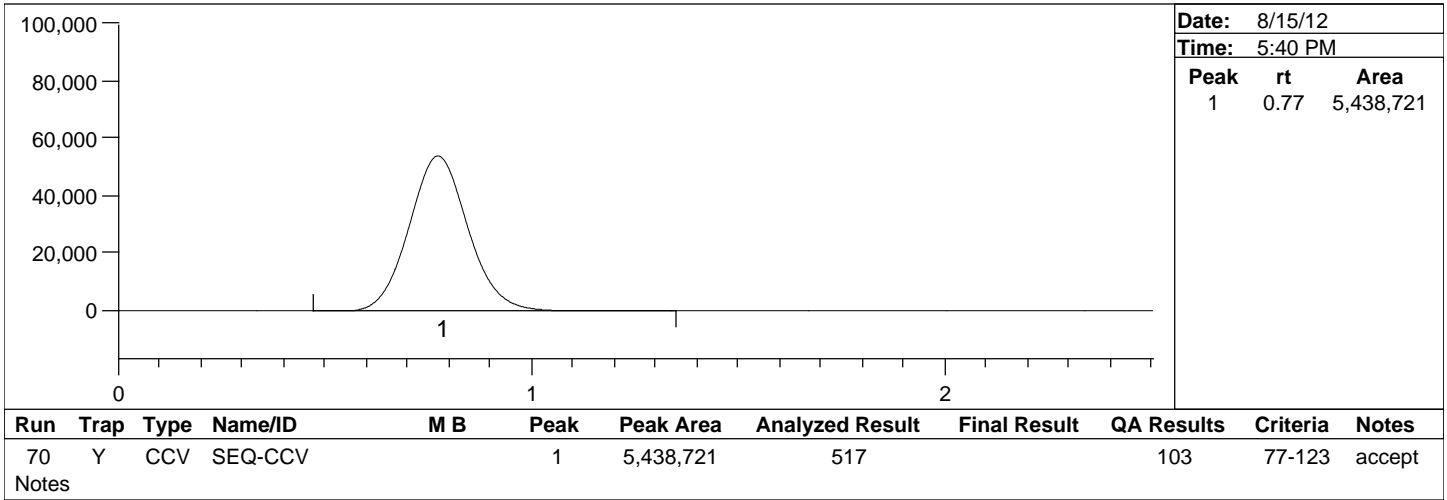
Method Number: CVAFS BR-0002

Project Number(s): 1200634

Instrument ID: THG-06

Date Analyzed: 8/15/12

Analyst Name: Labuser



Peak Report

Batch Number: B121433, 1426, 1452, 1469

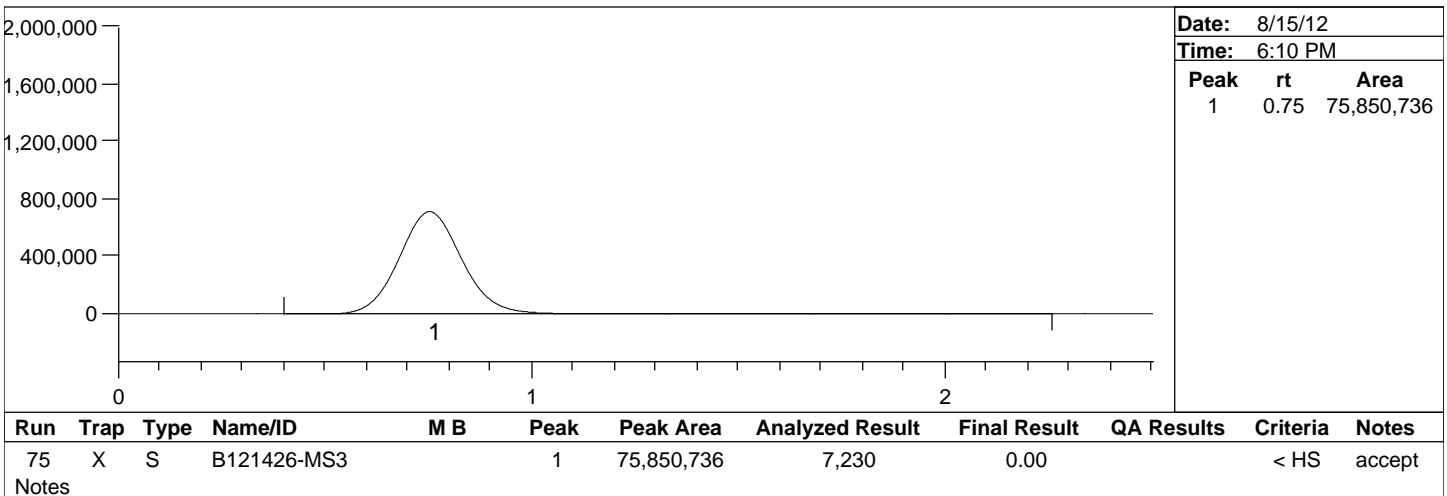
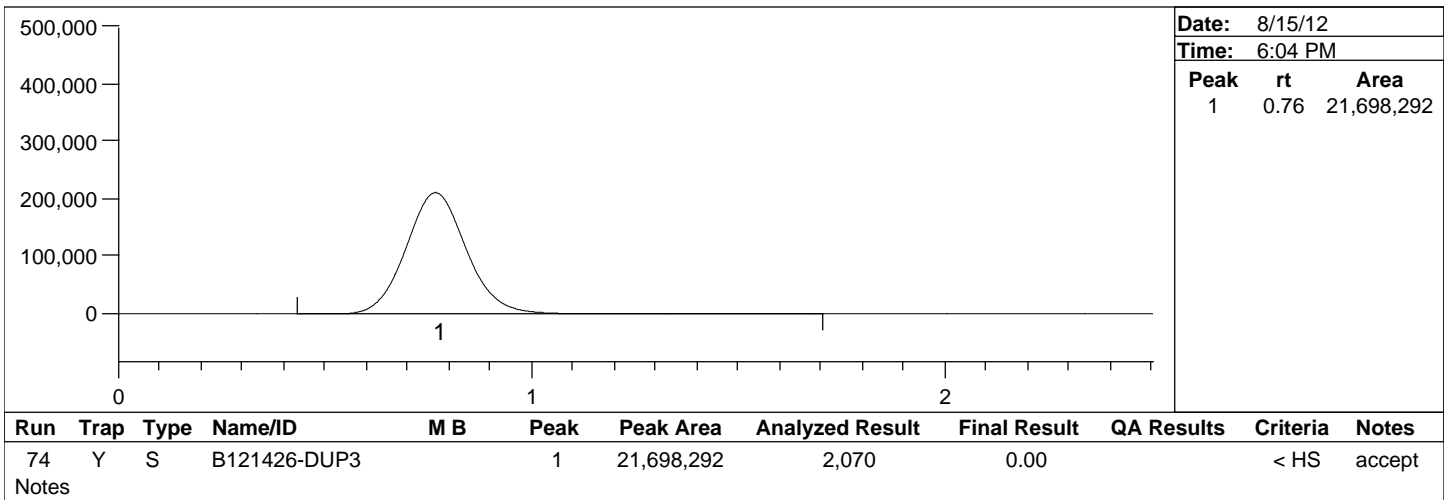
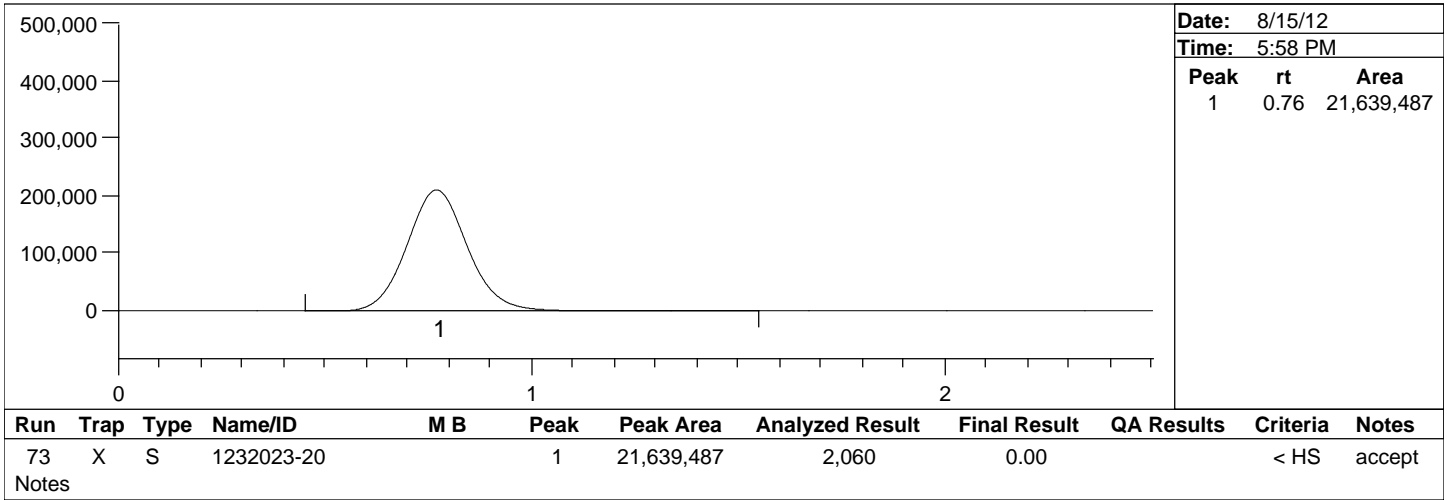
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Project Number(s): 1200634

Instrument ID: THG-06

Date Analyzed: 8/15/12

Analyst Name: Labuser



Peak Report

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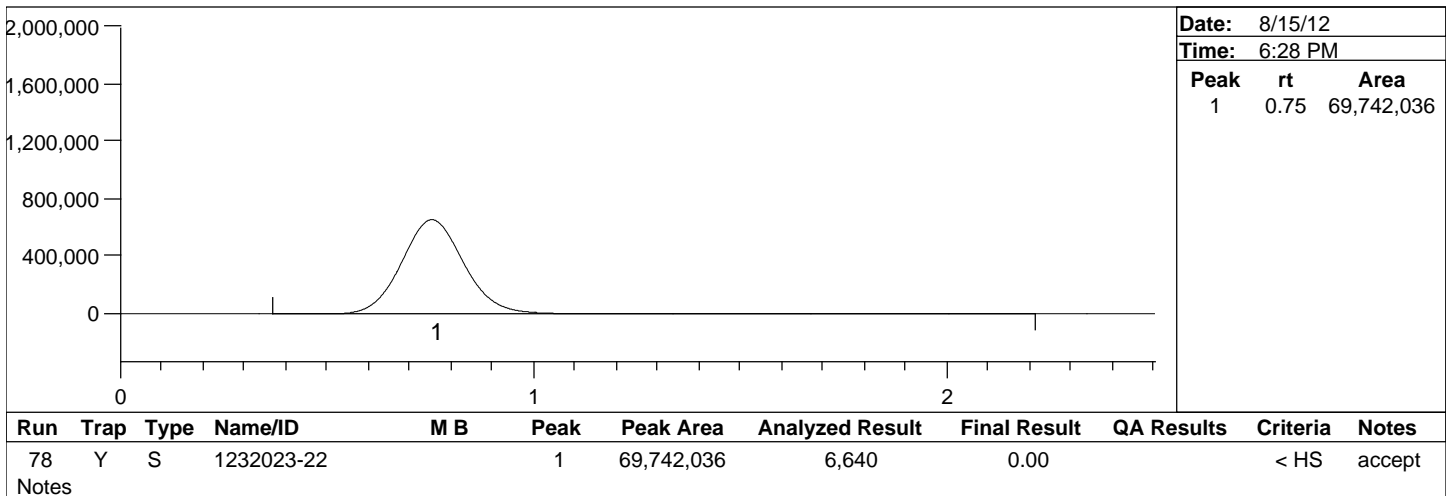
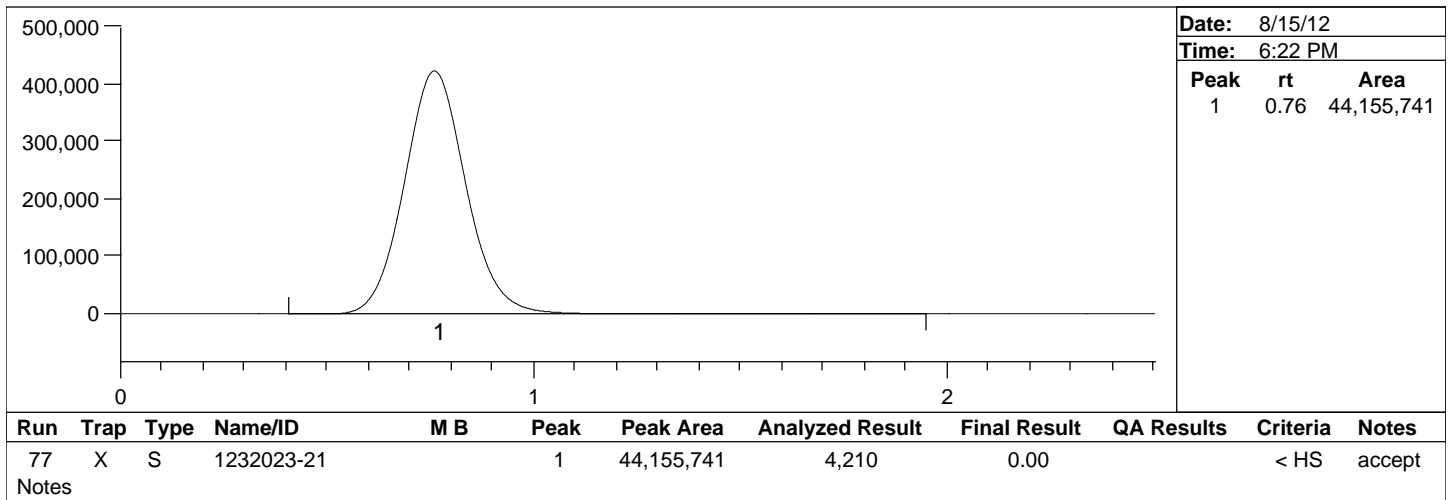
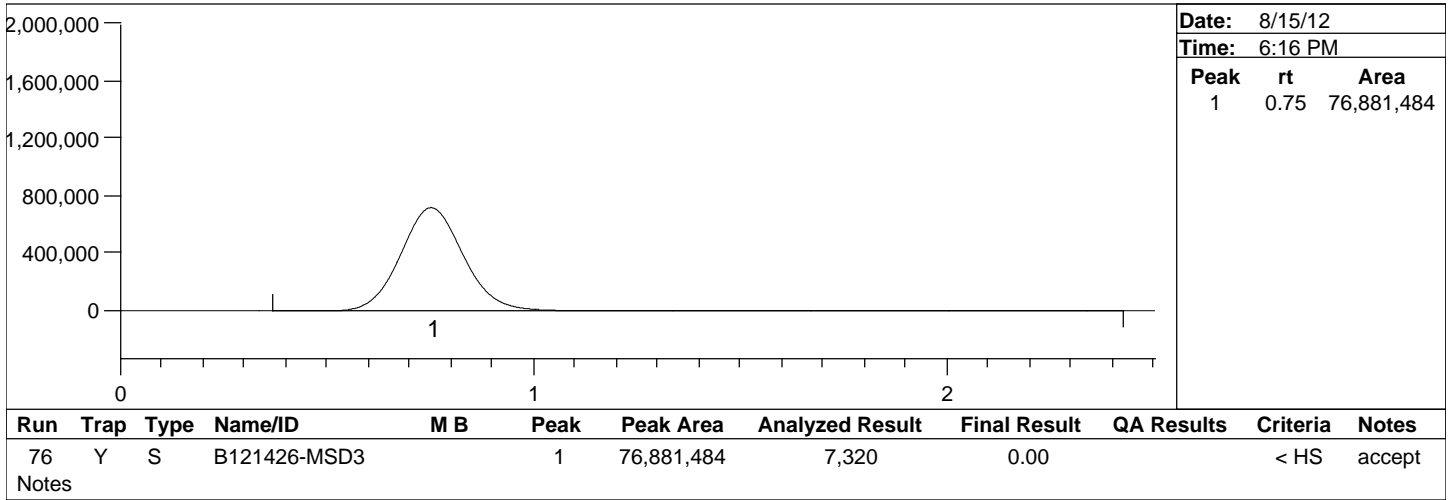
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Instrument ID: THG-06

Date Analyzed: 8/15/12

Analyst Name: Labuser



Peak Report

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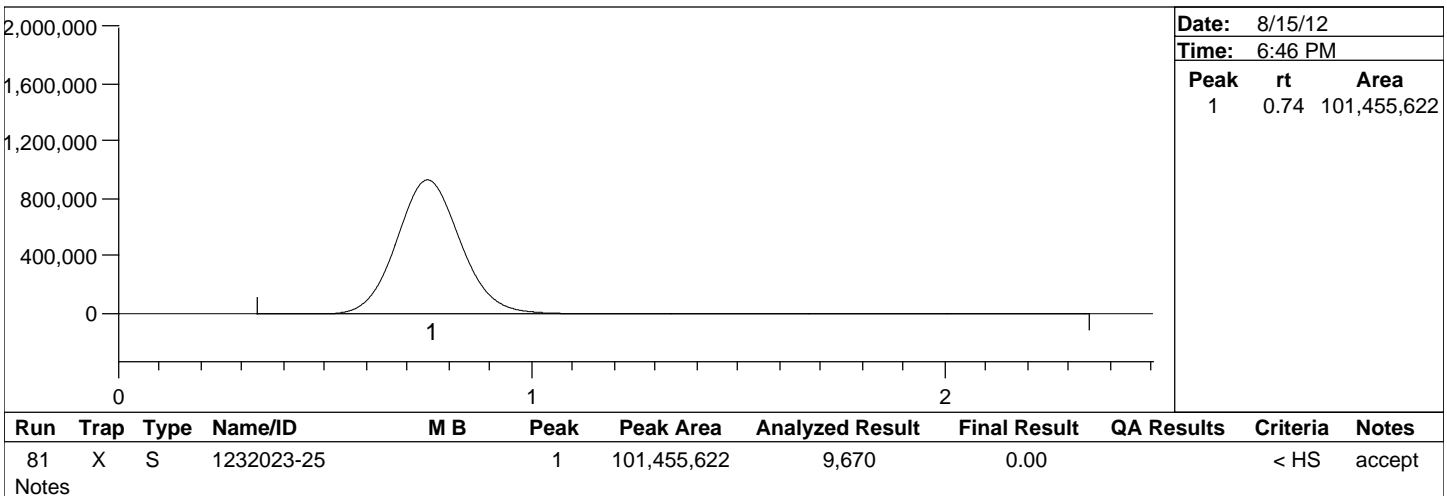
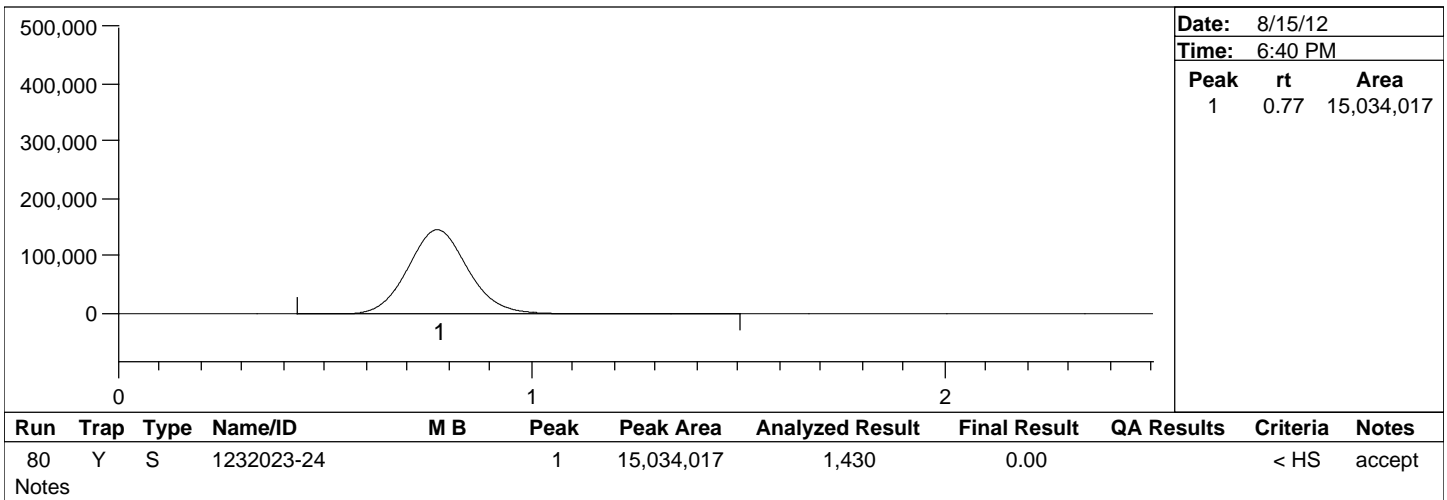
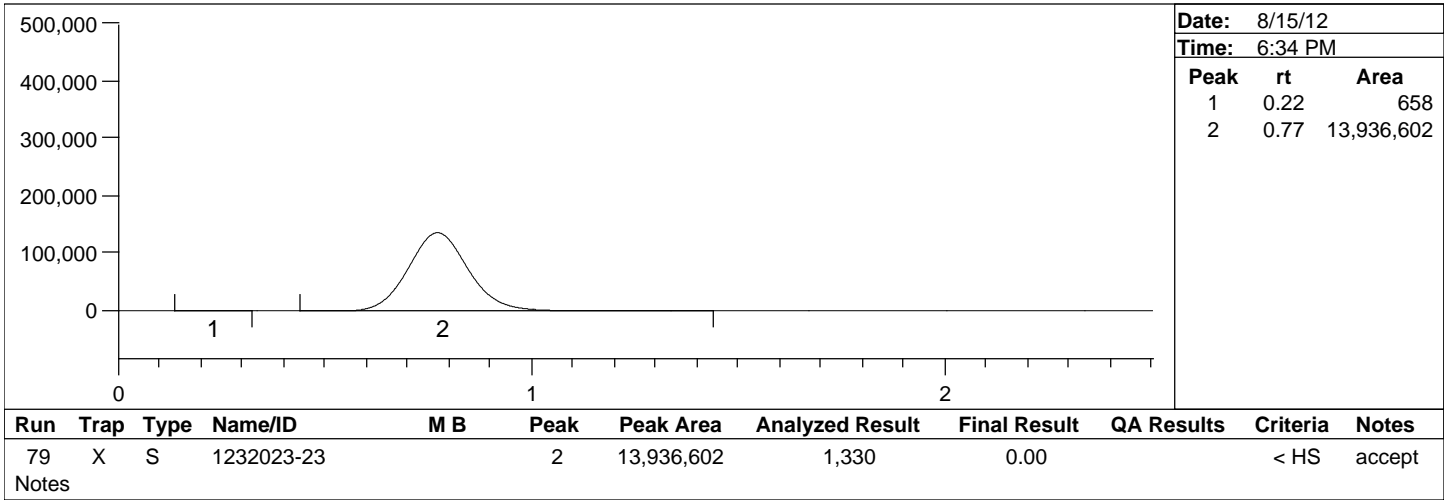
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Analyst Name: Labuser



Peak Report

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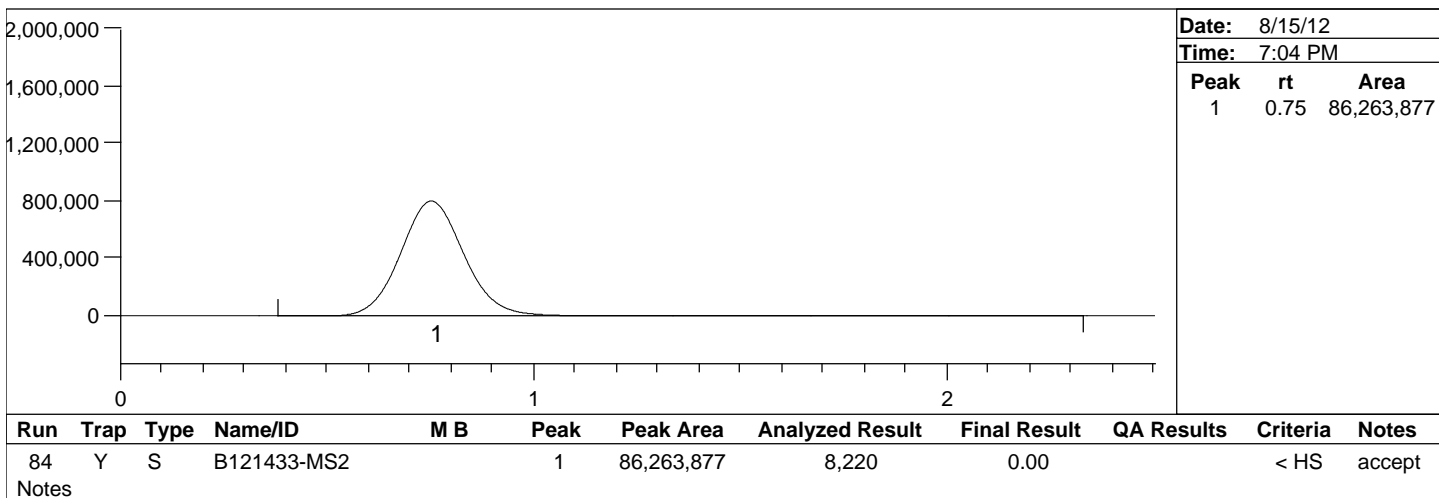
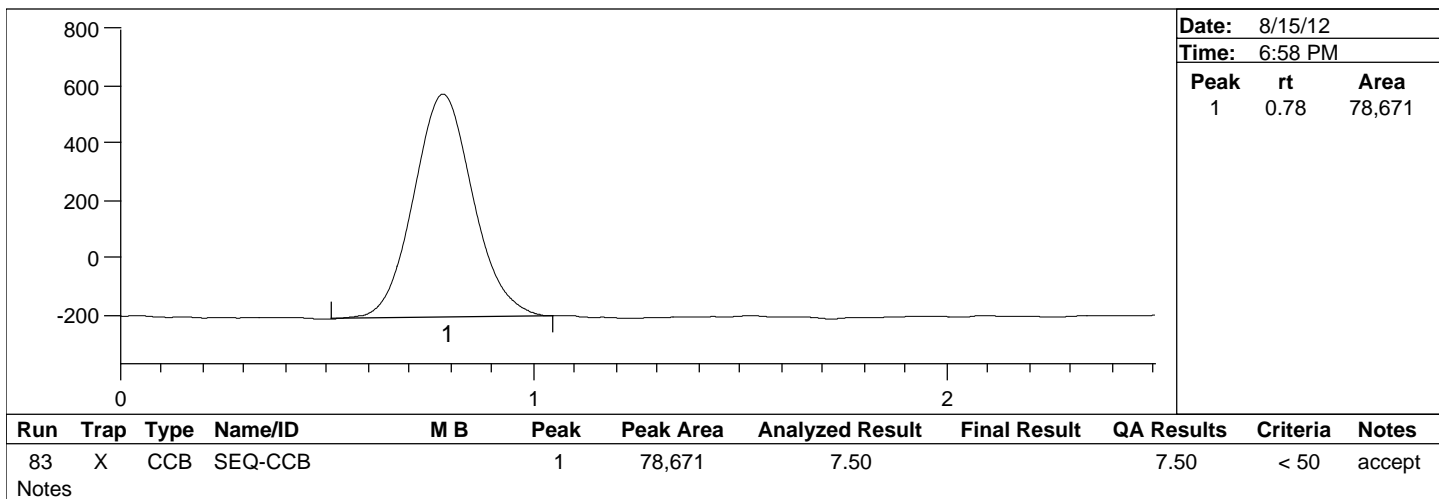
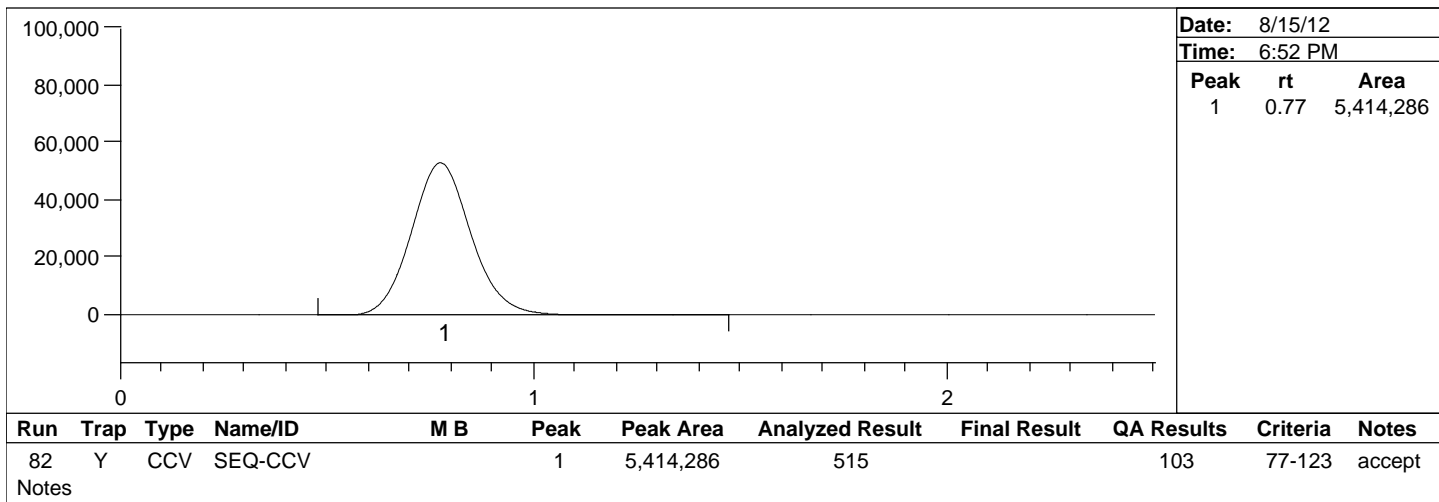
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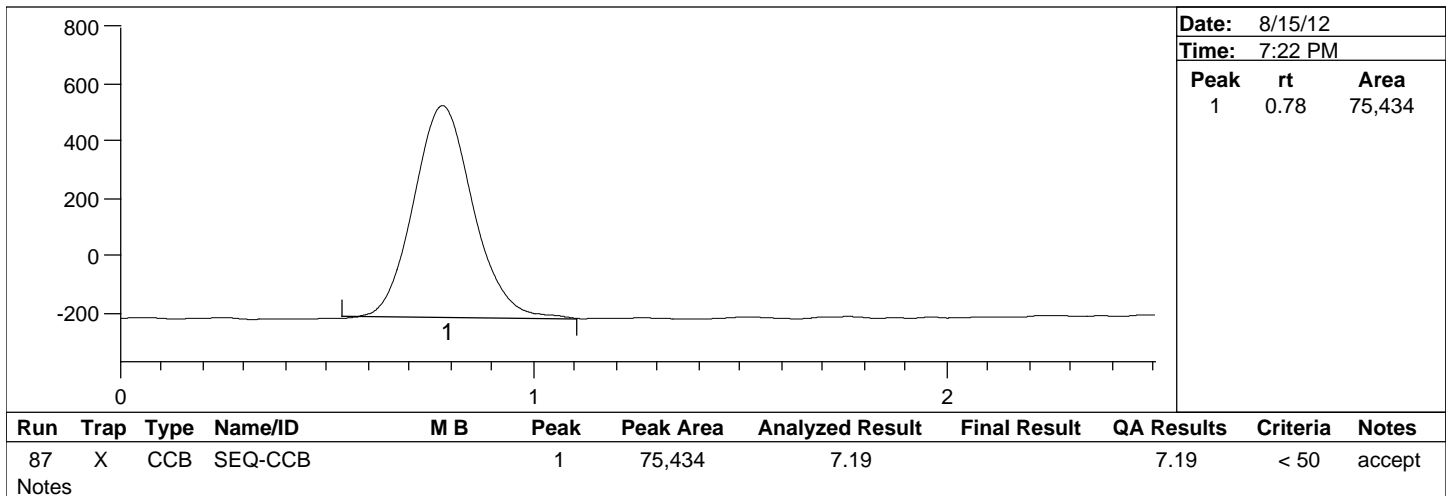
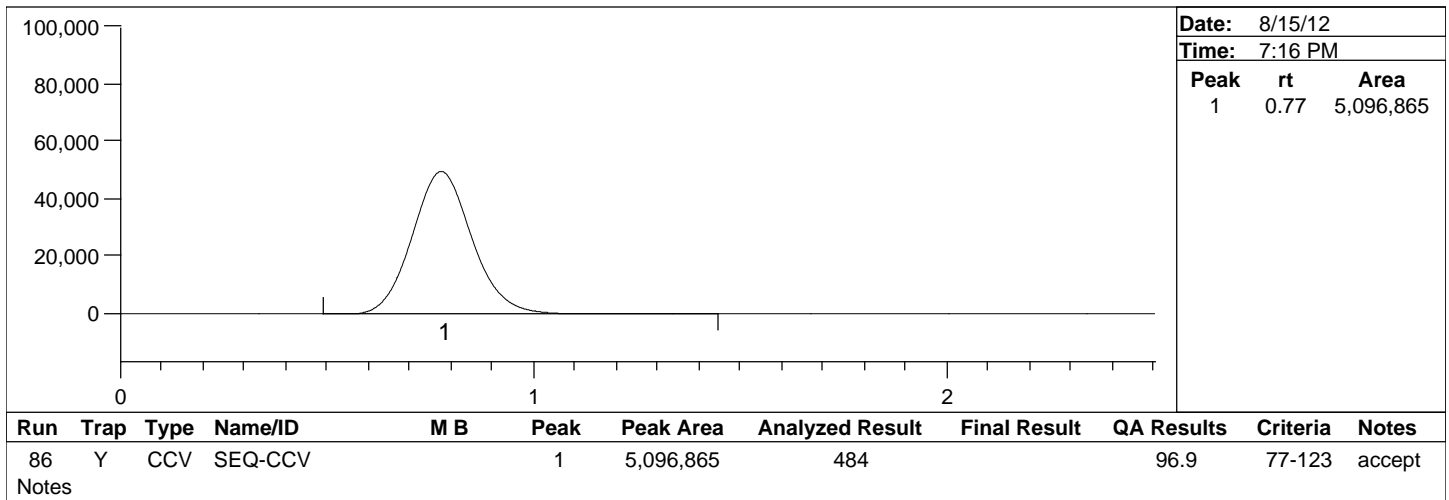
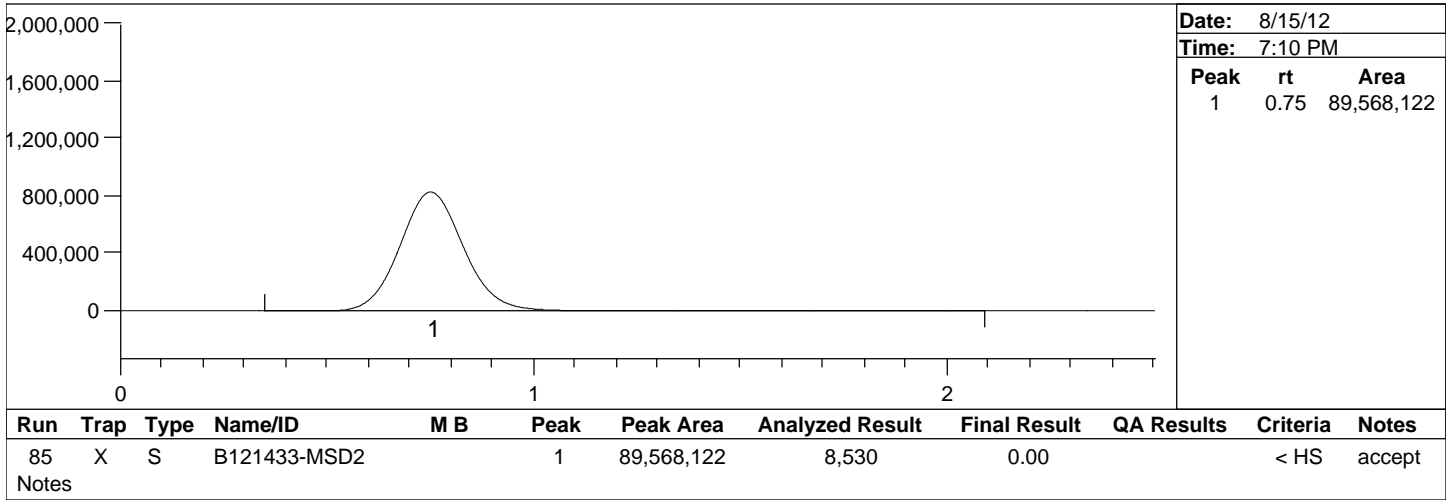
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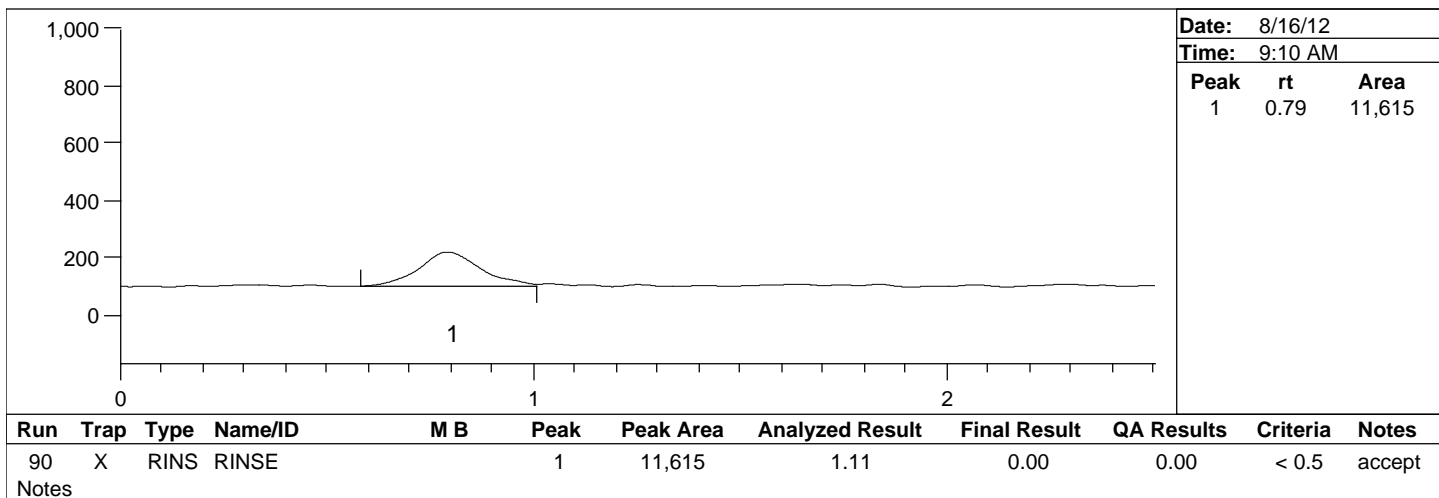
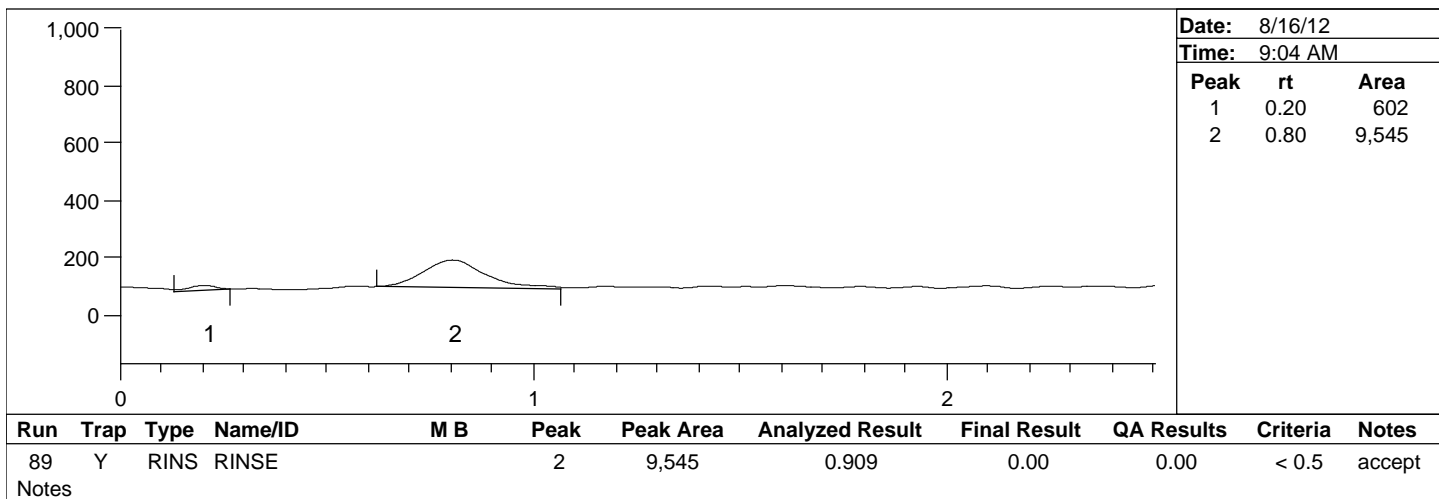
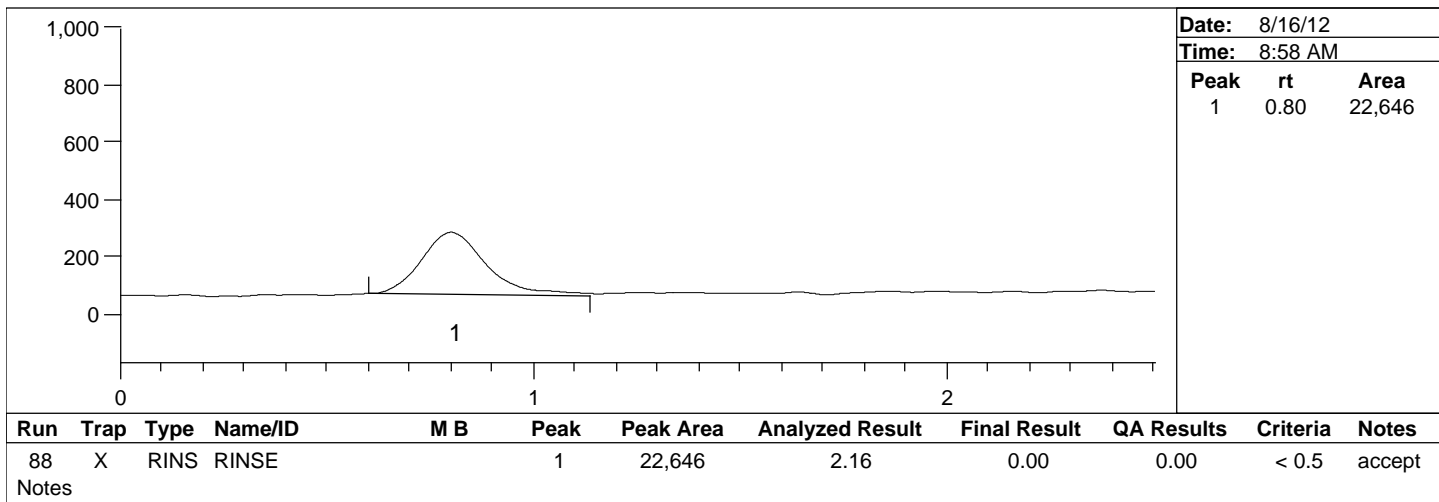
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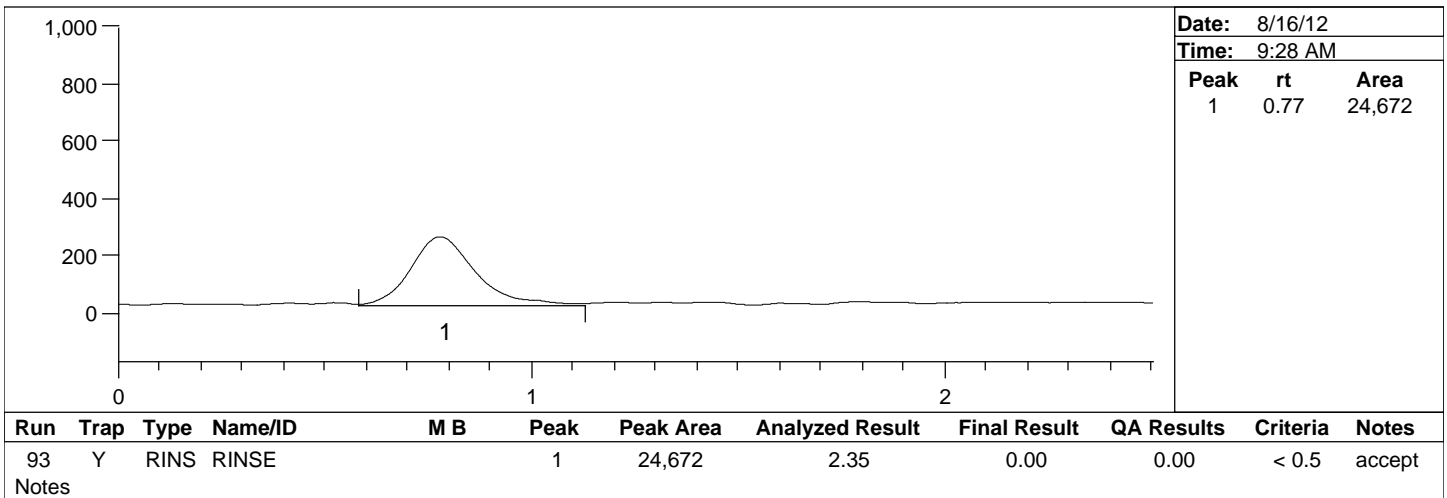
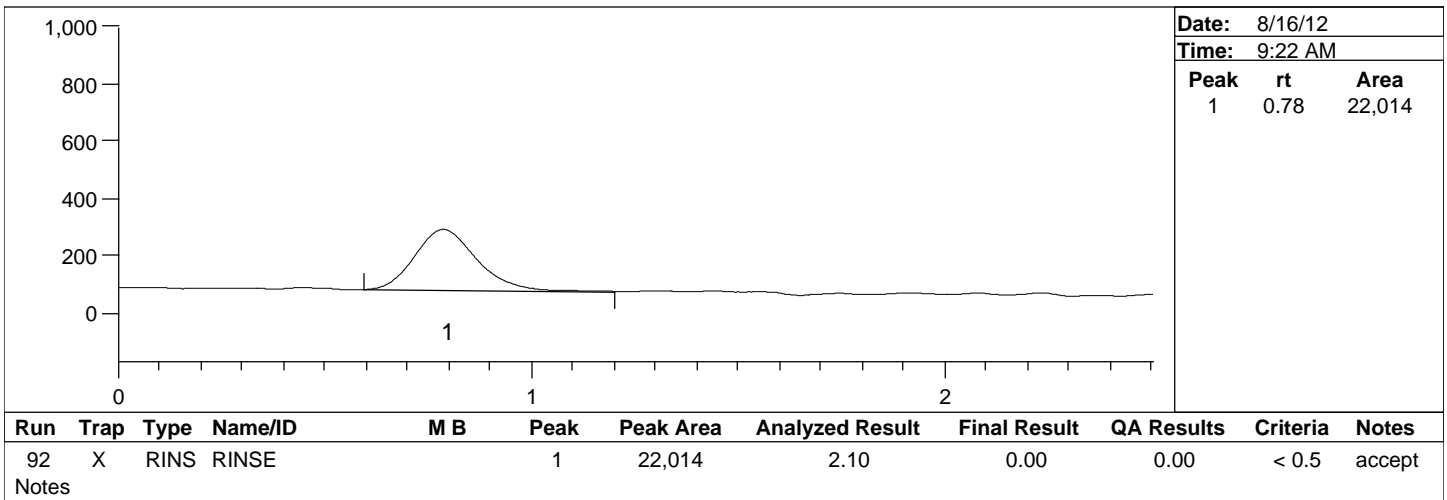
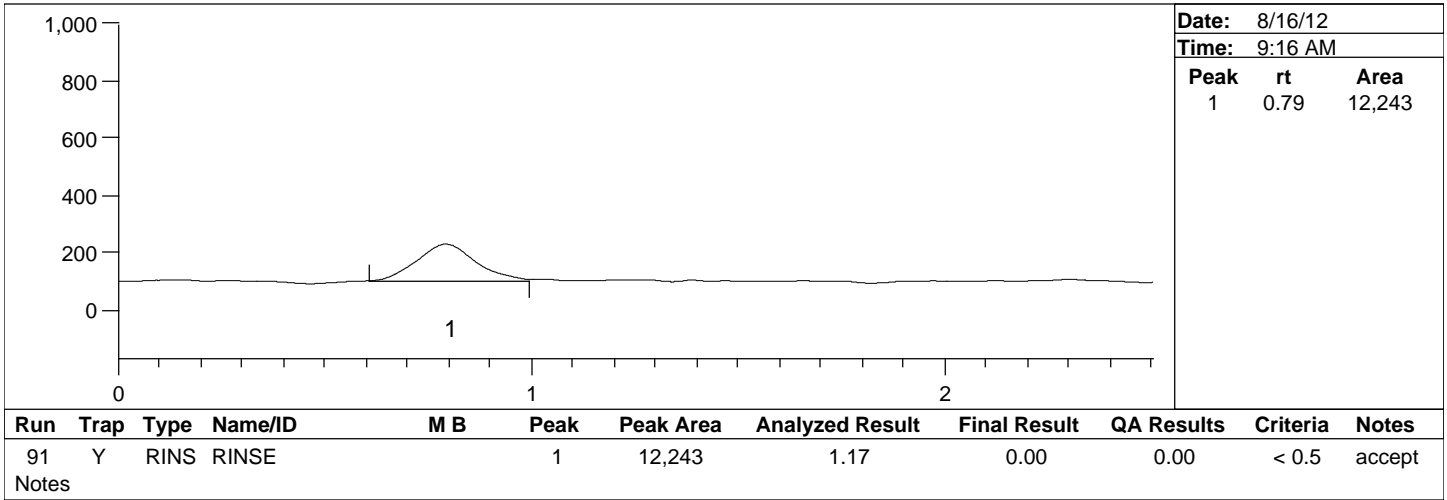
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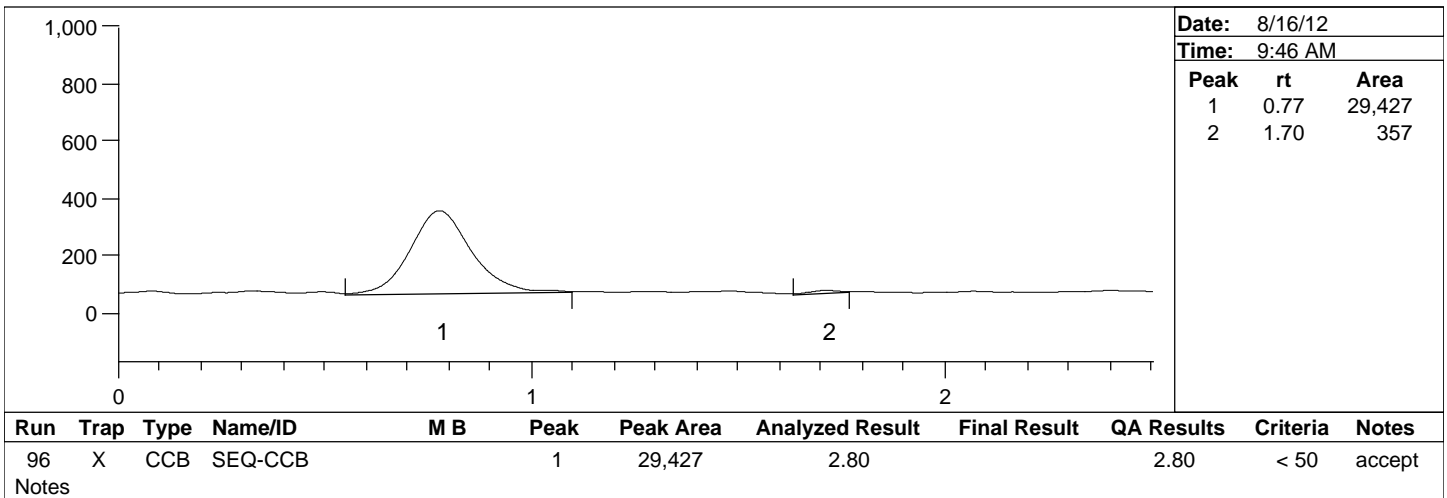
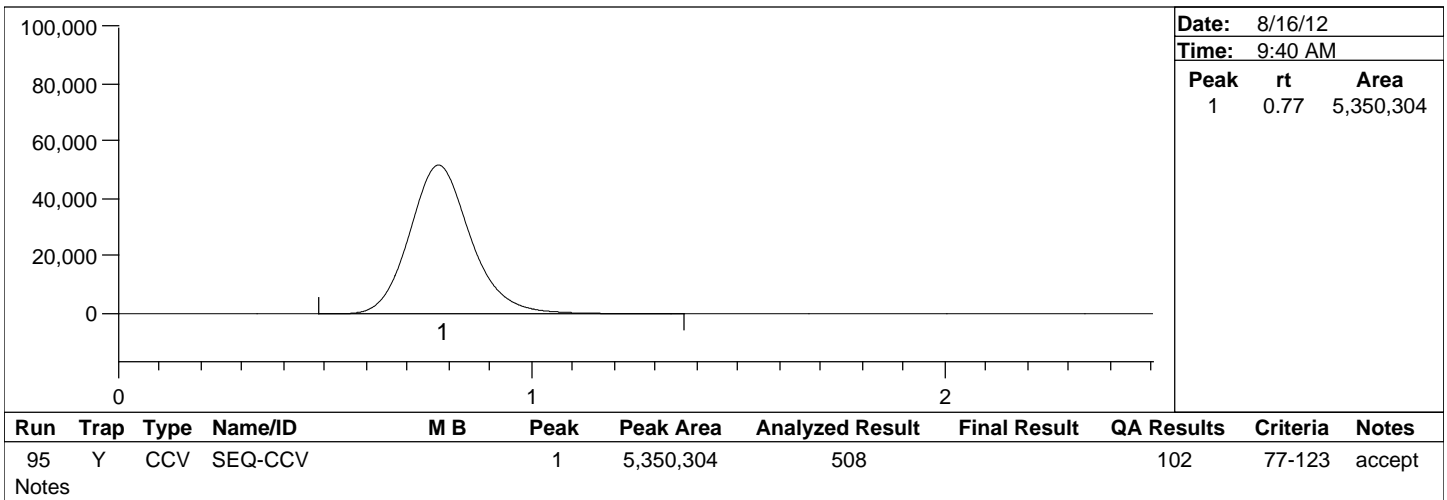
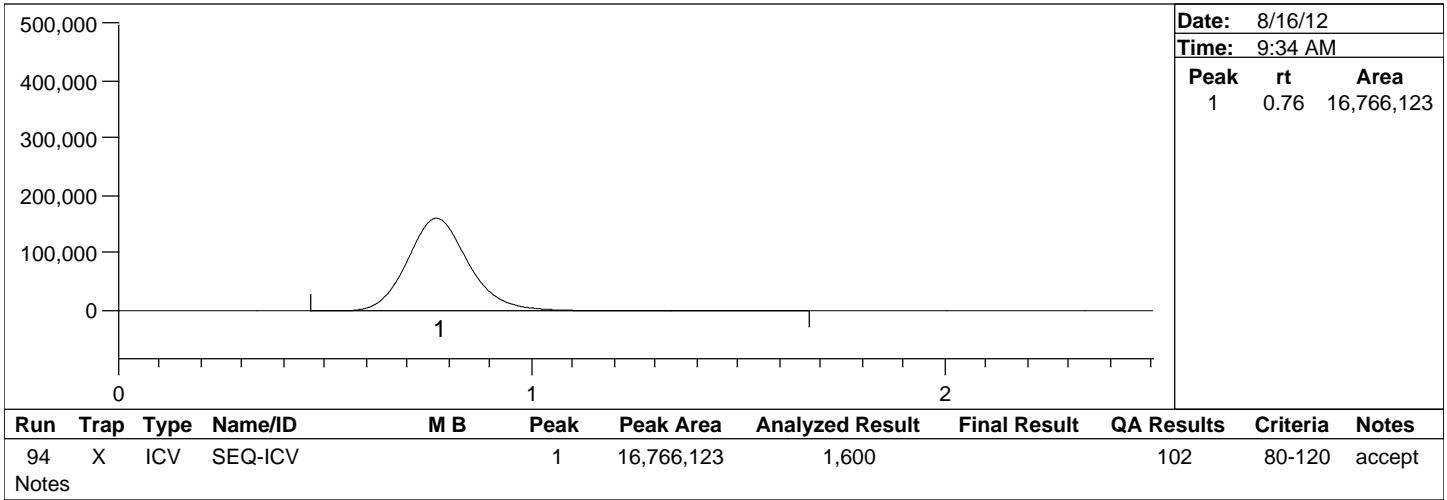
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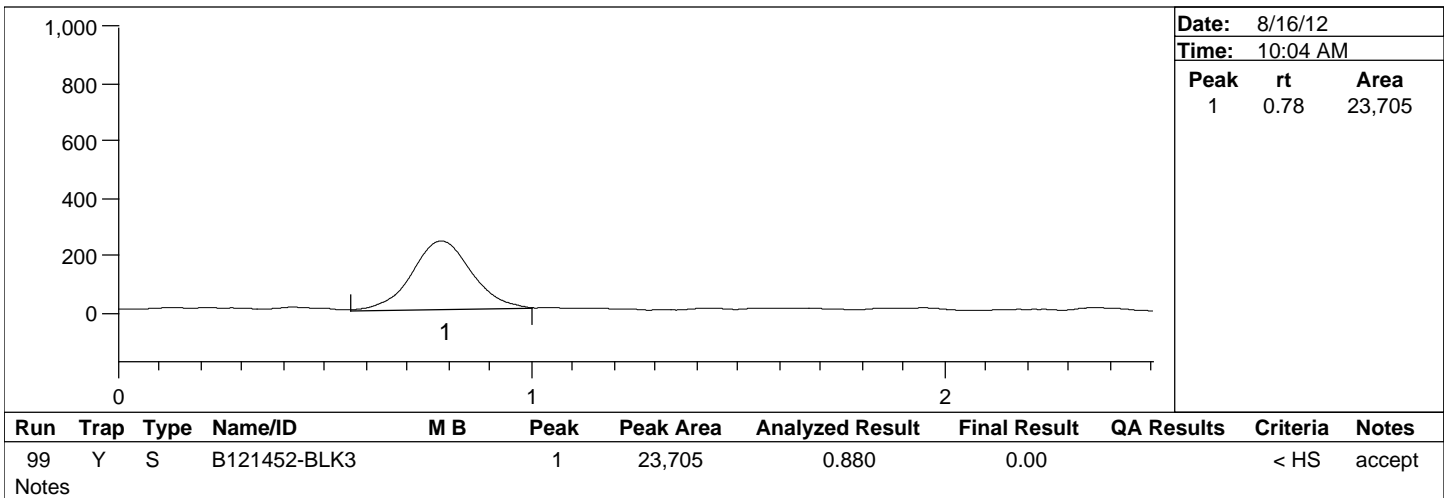
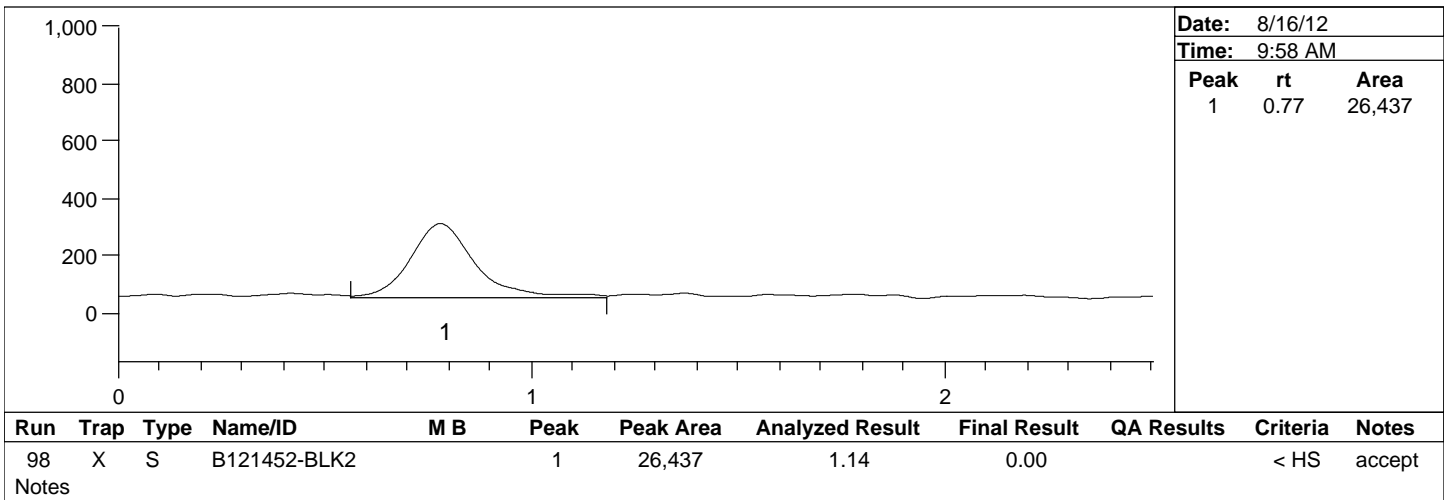
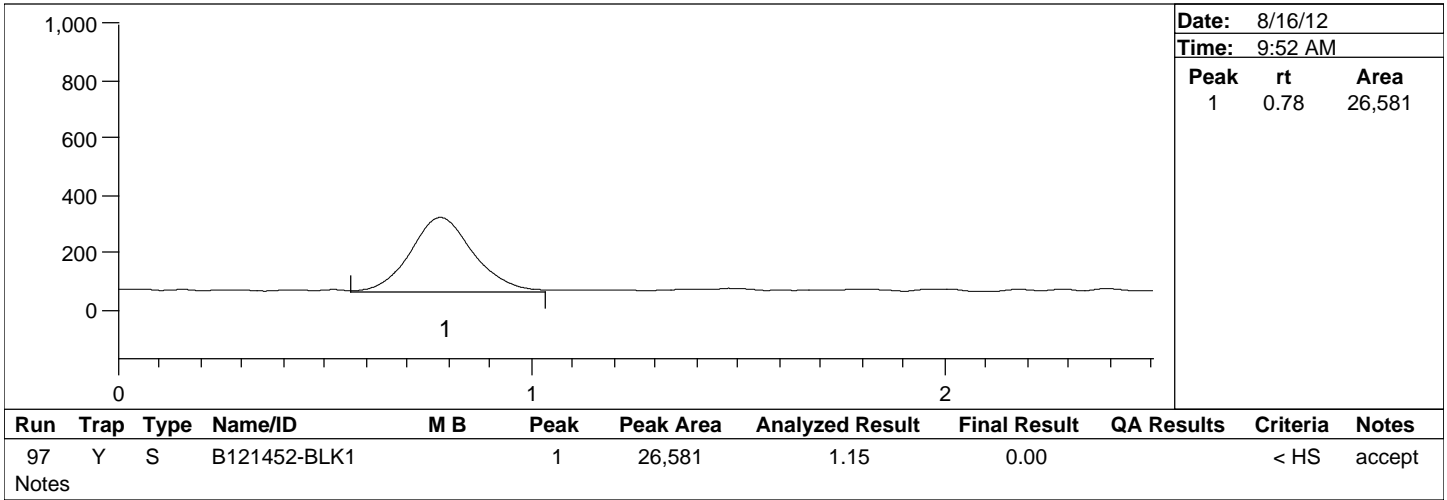
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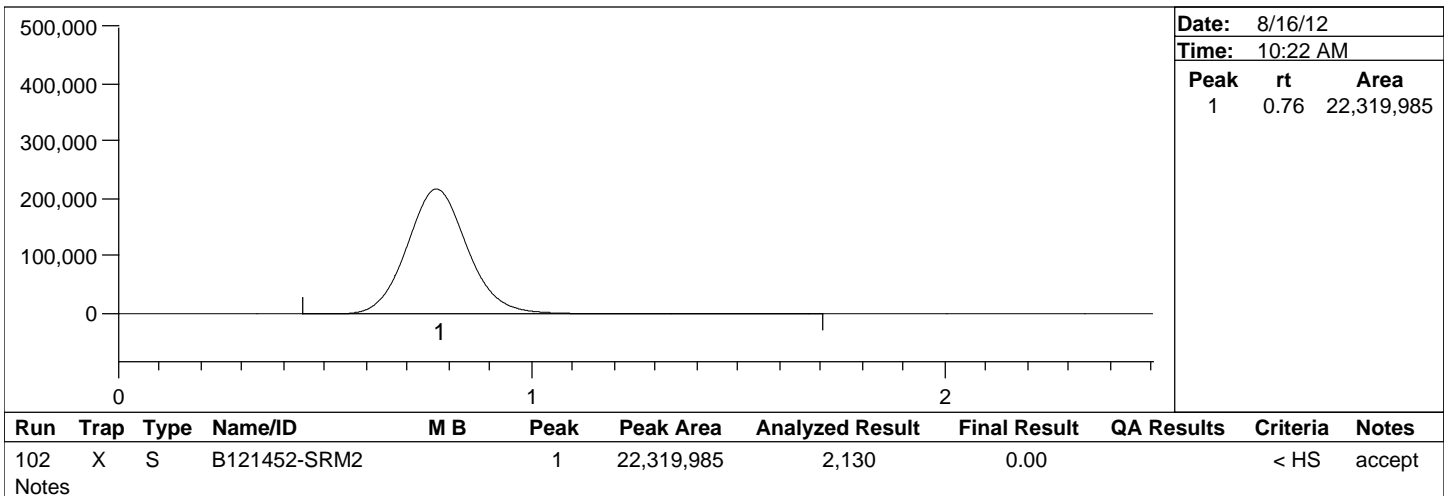
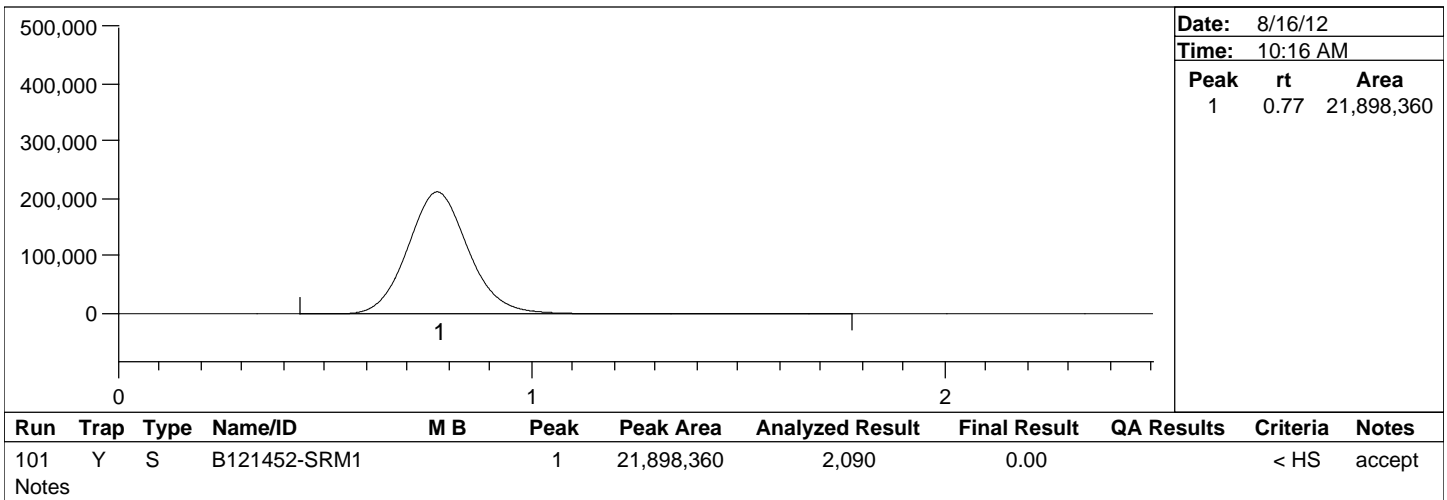
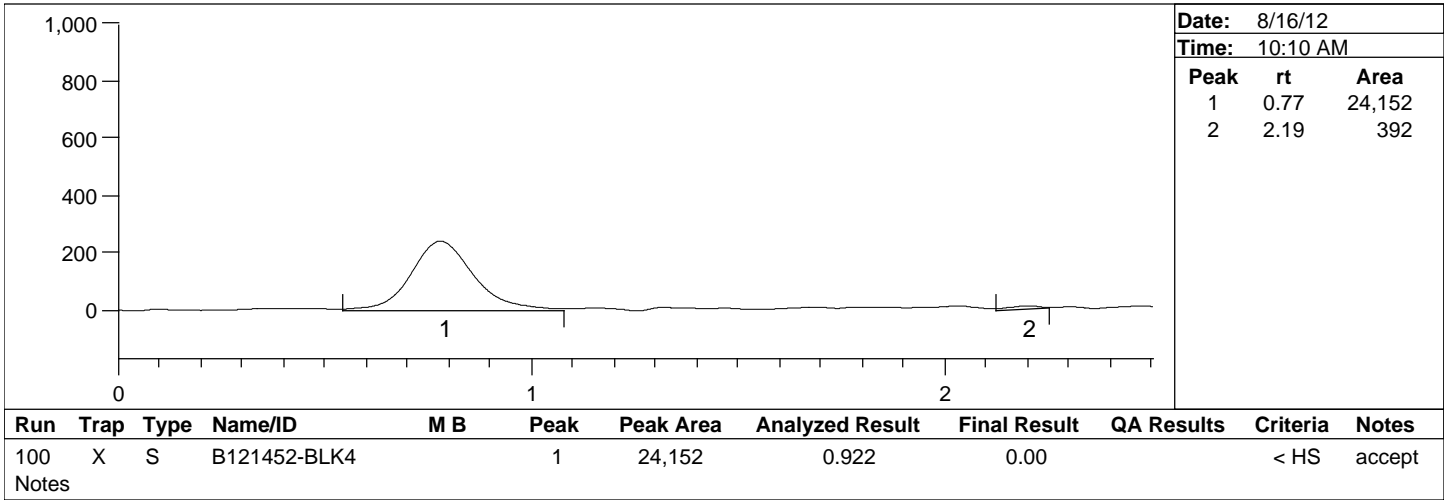
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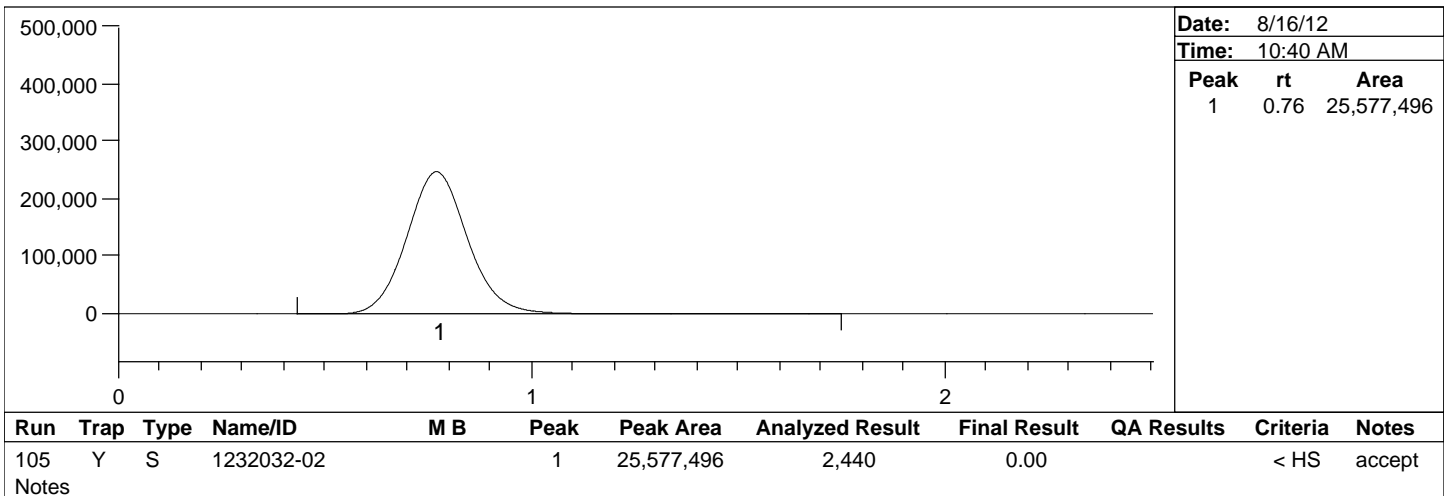
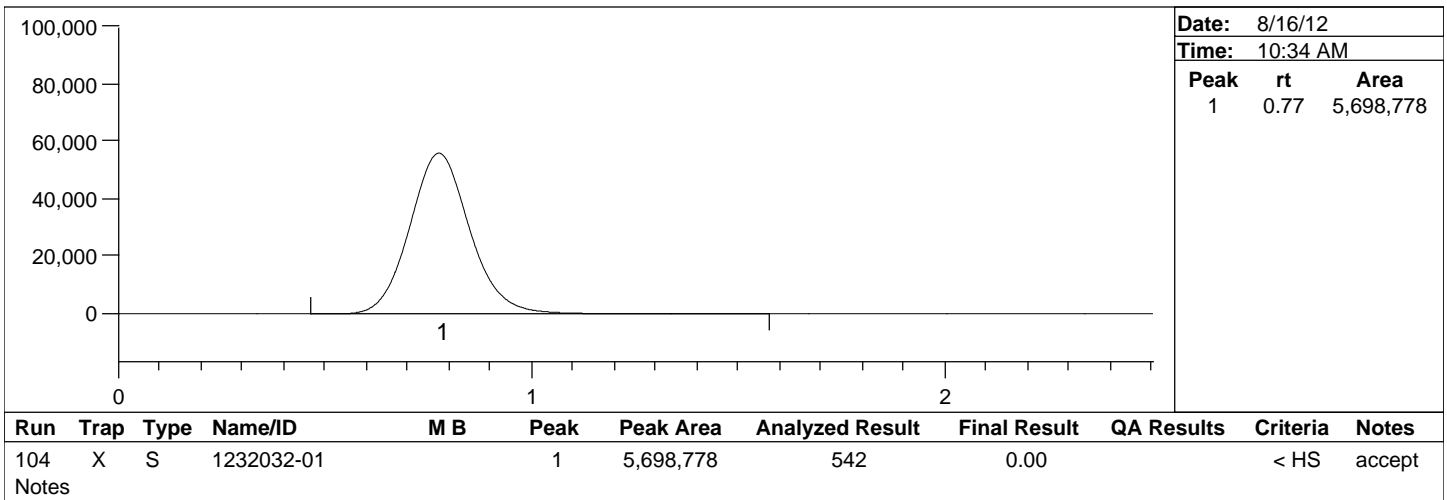
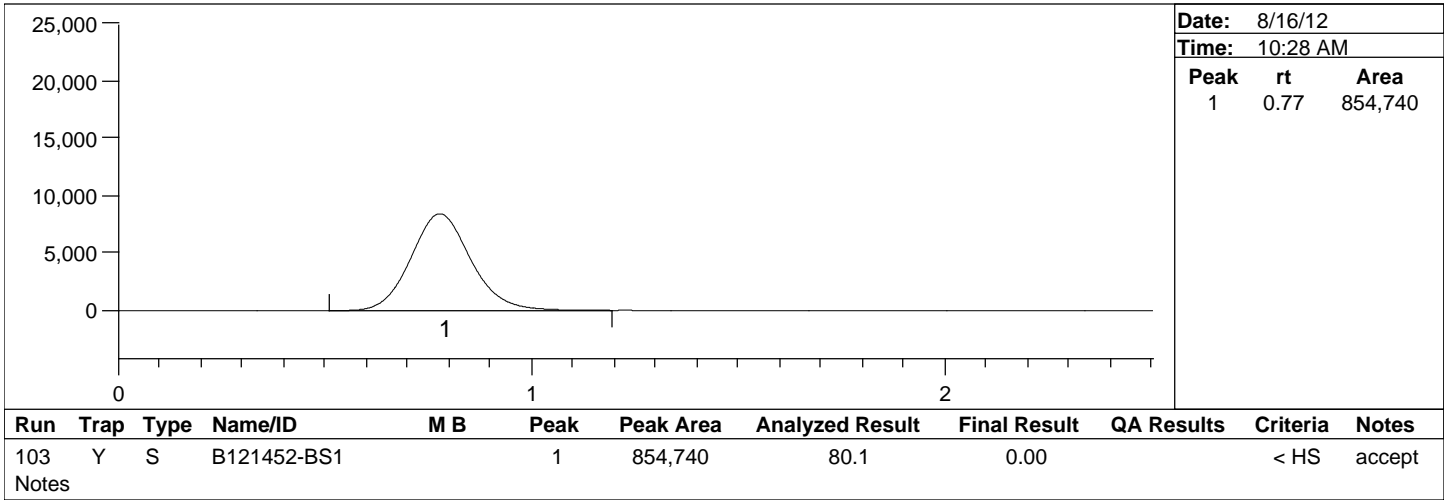
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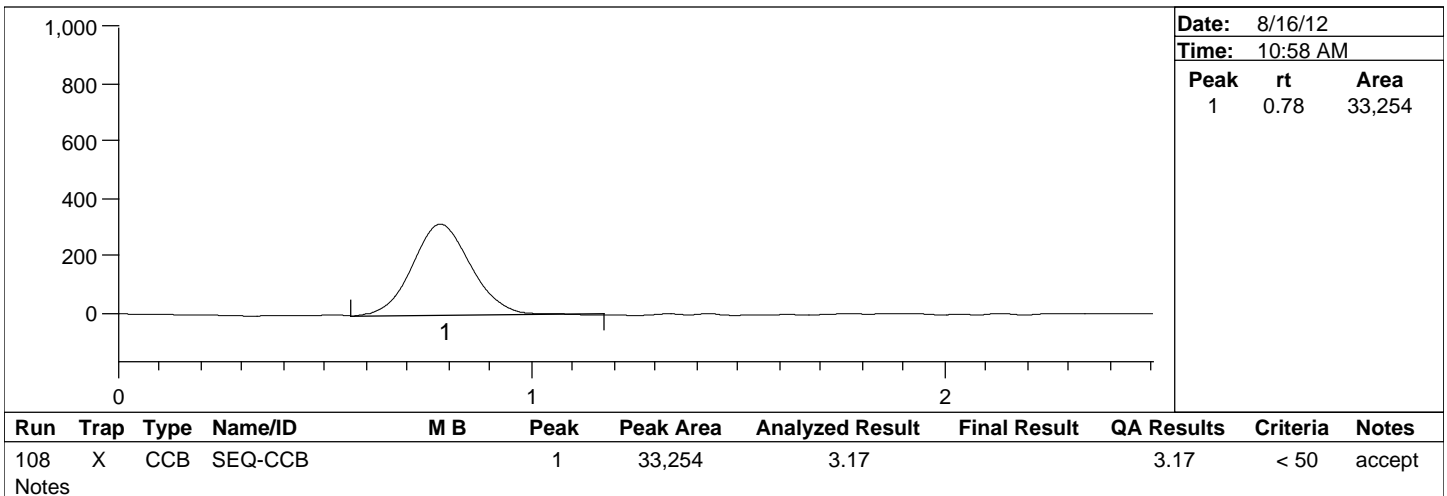
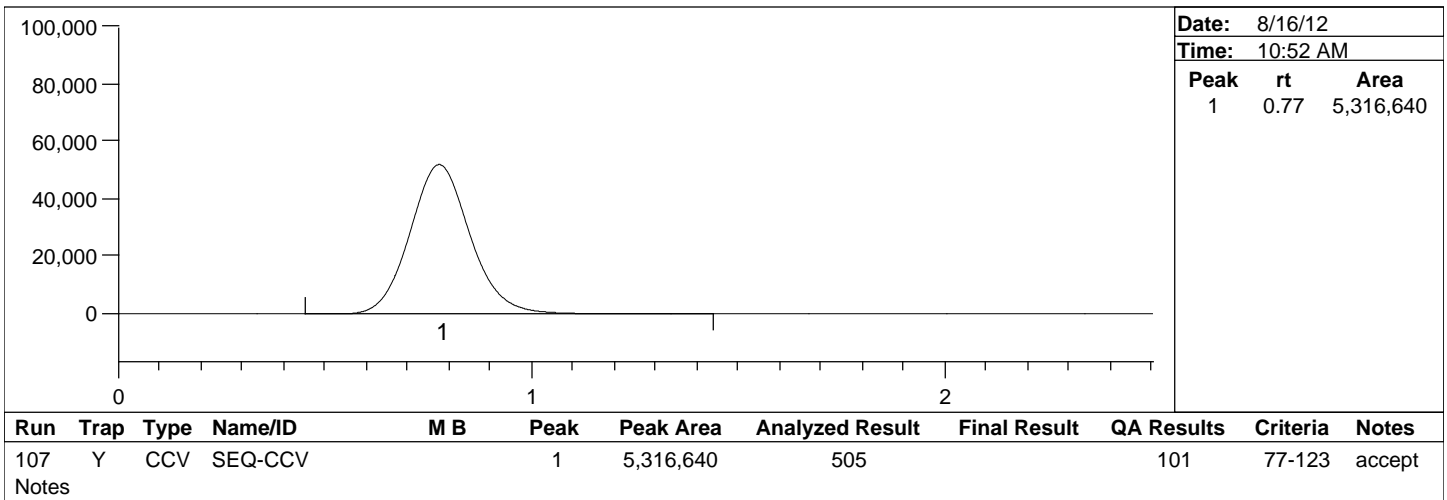
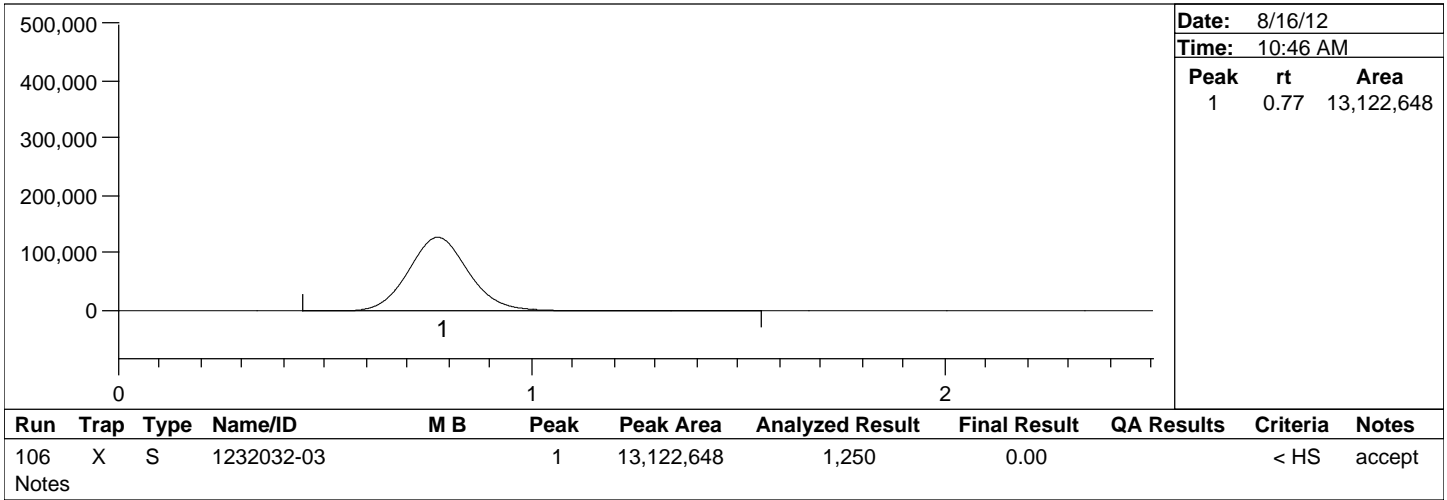
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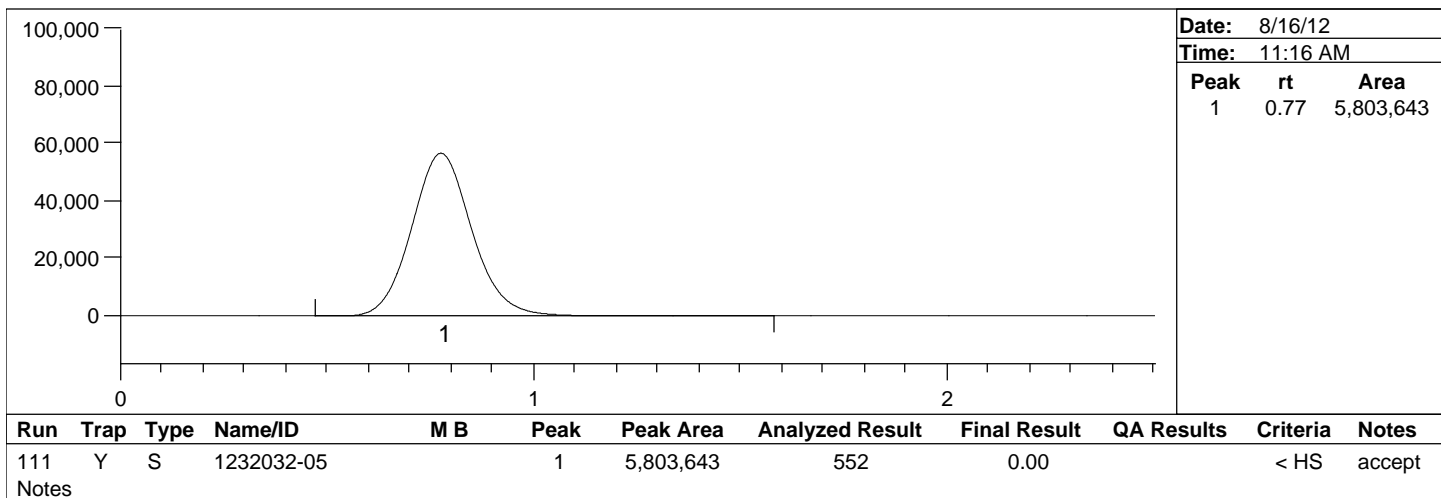
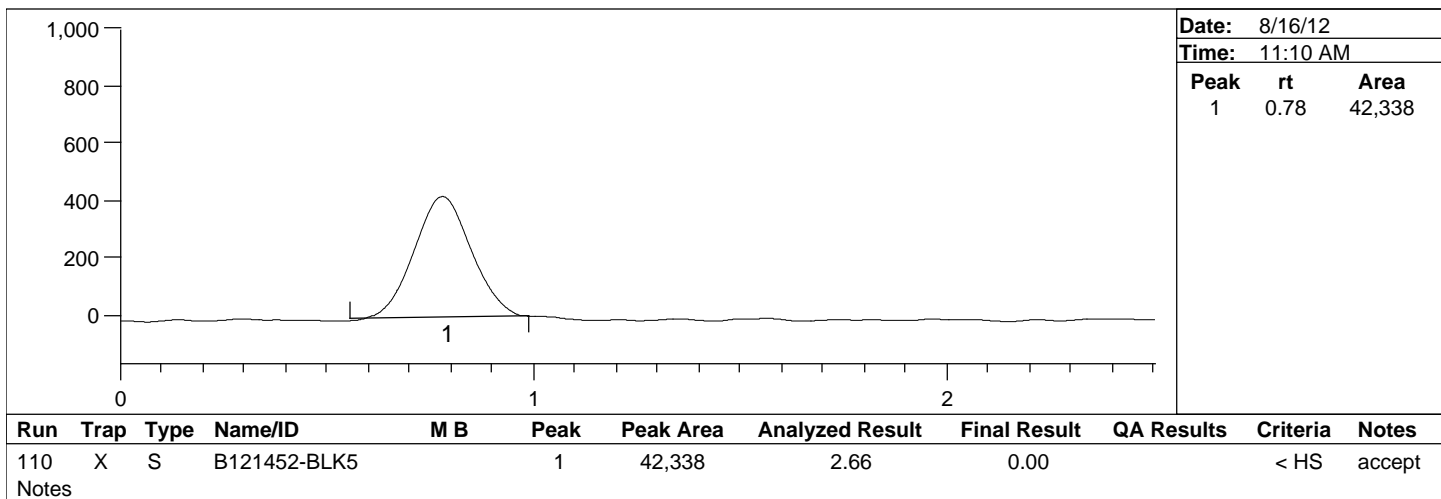
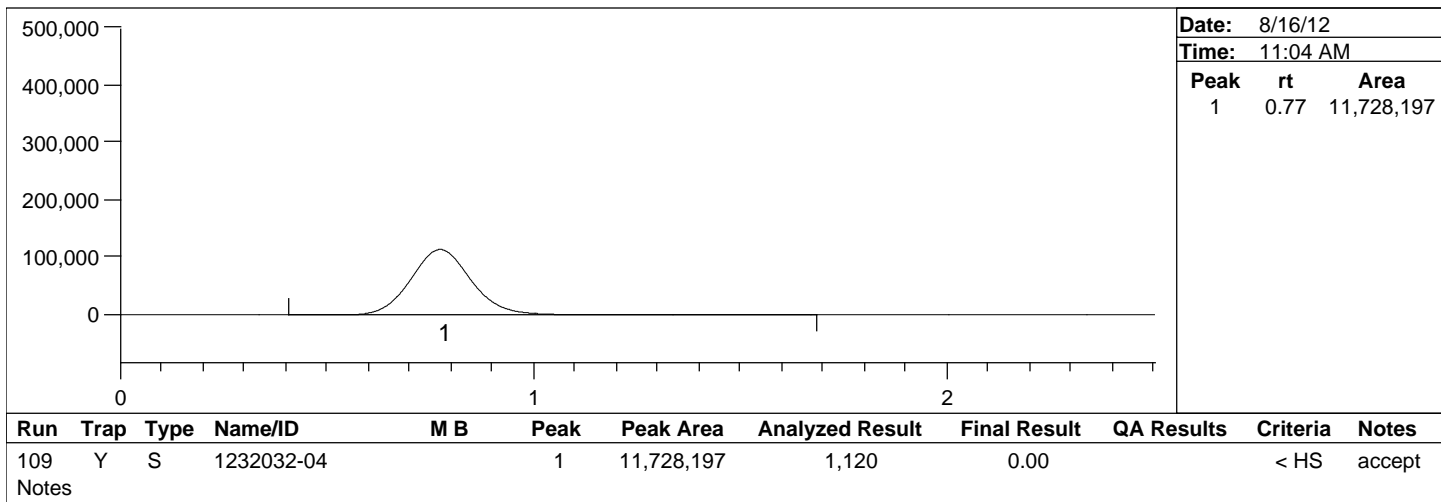
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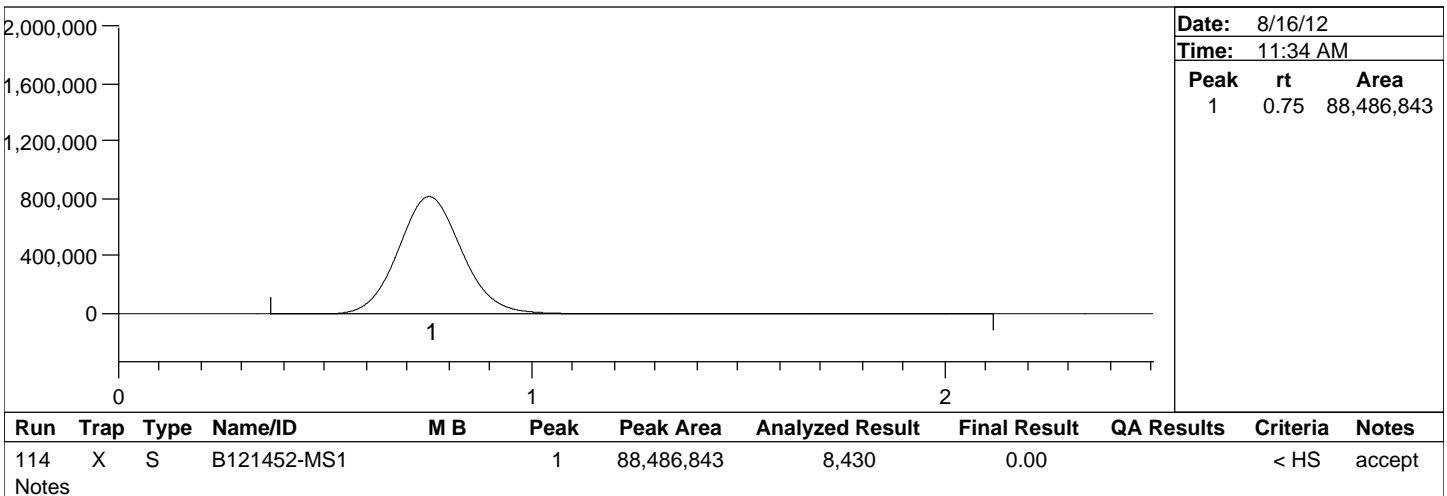
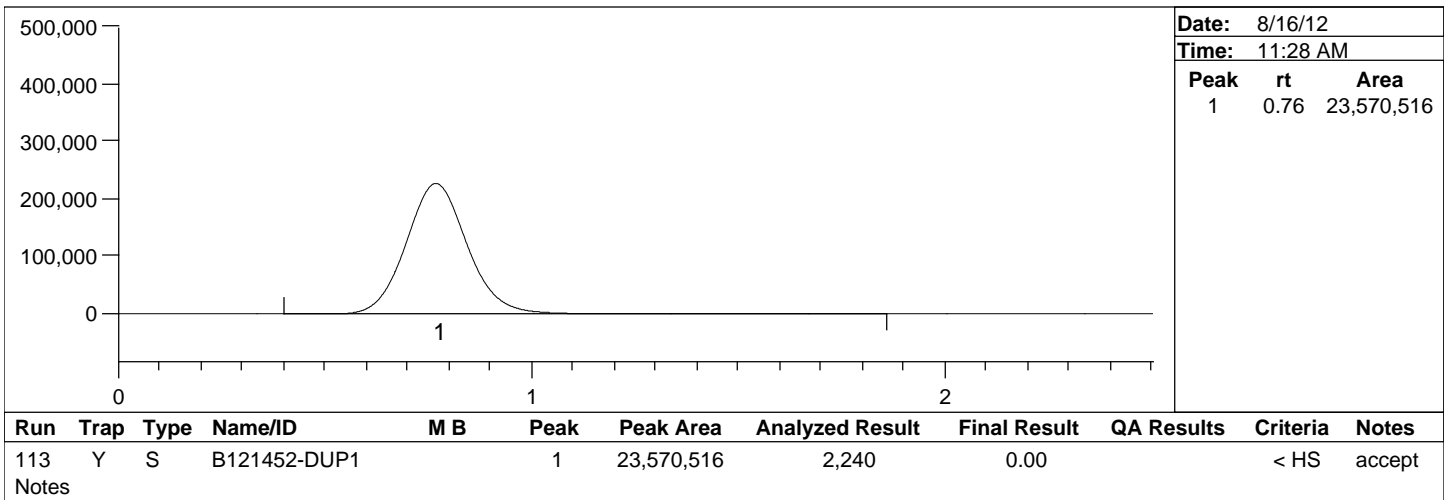
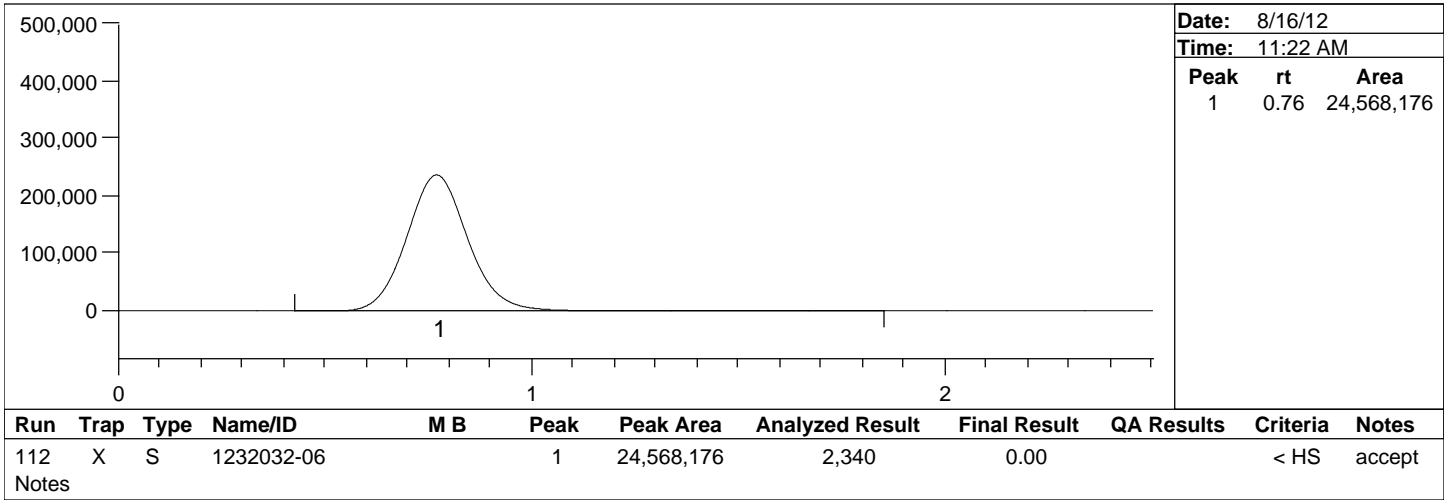
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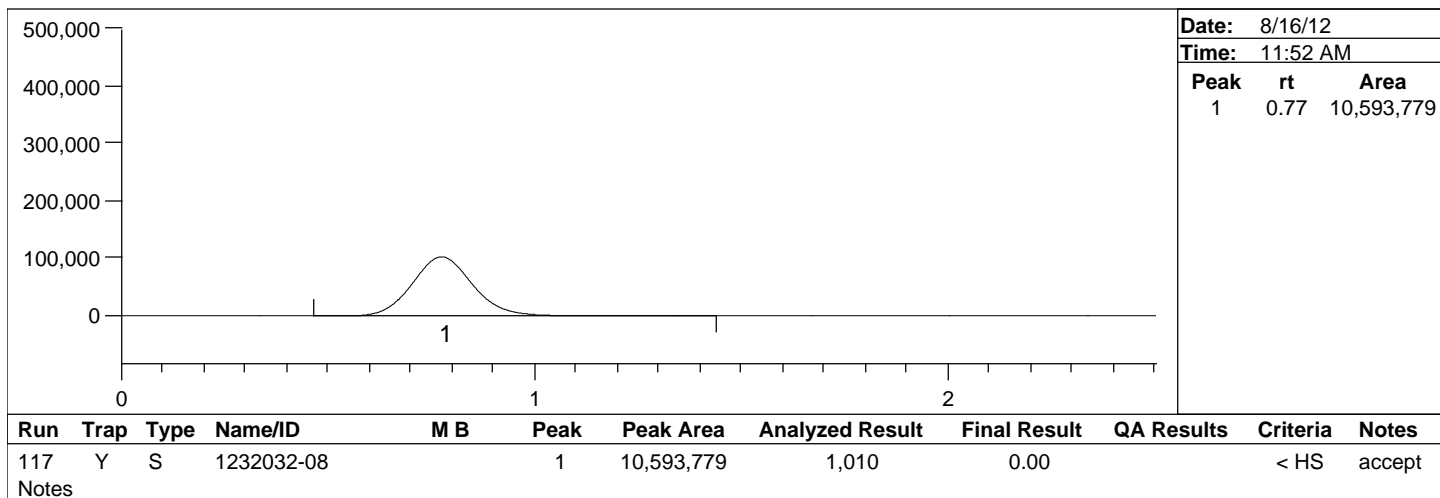
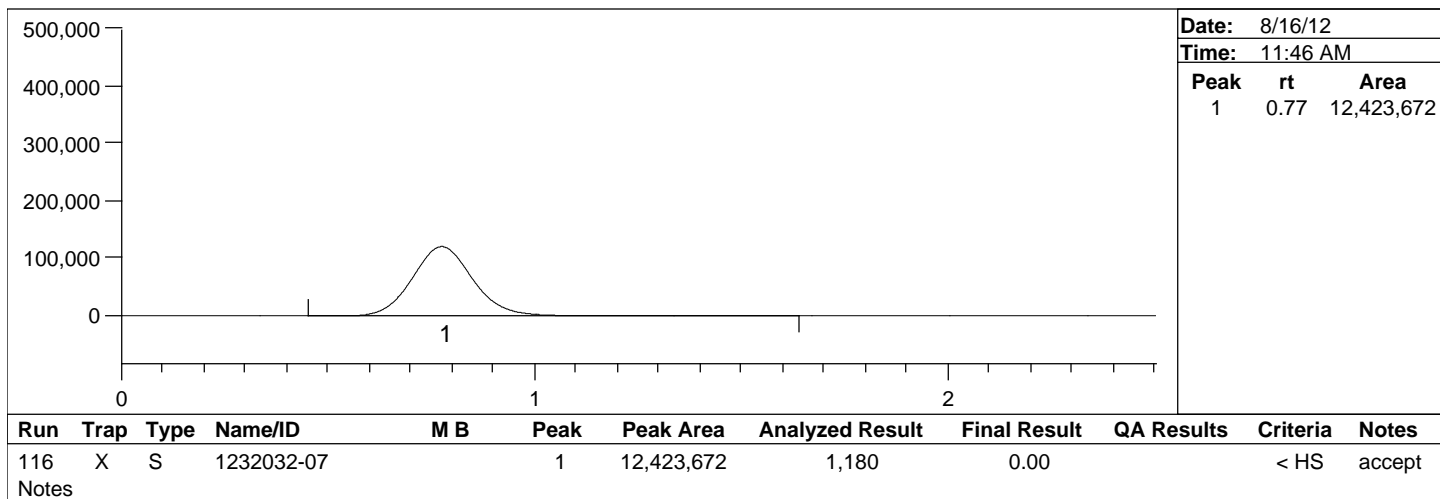
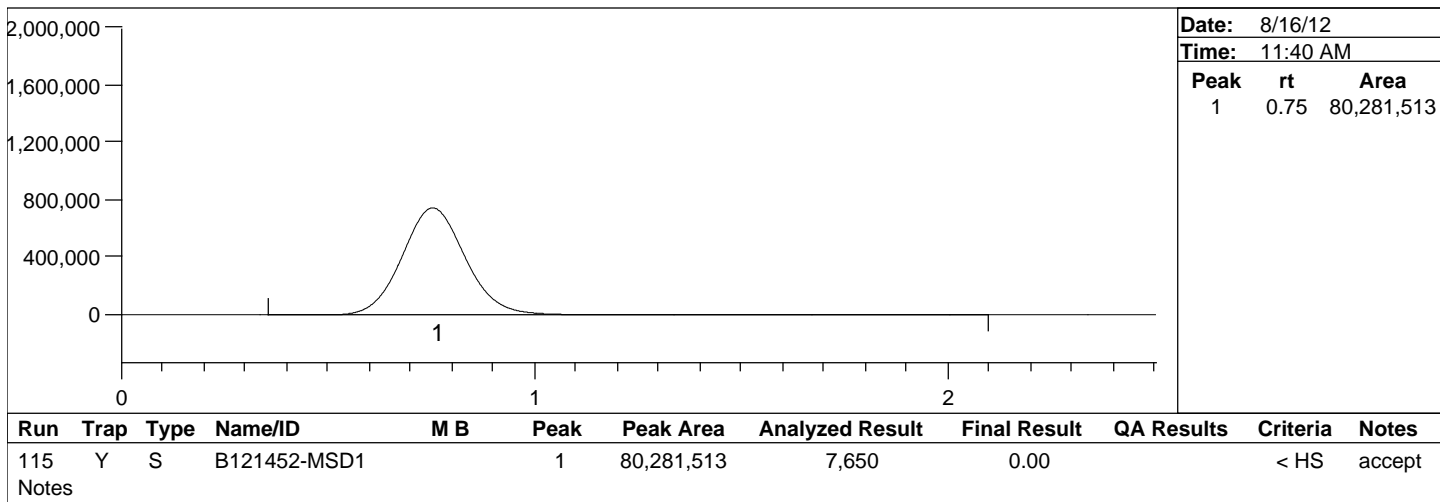
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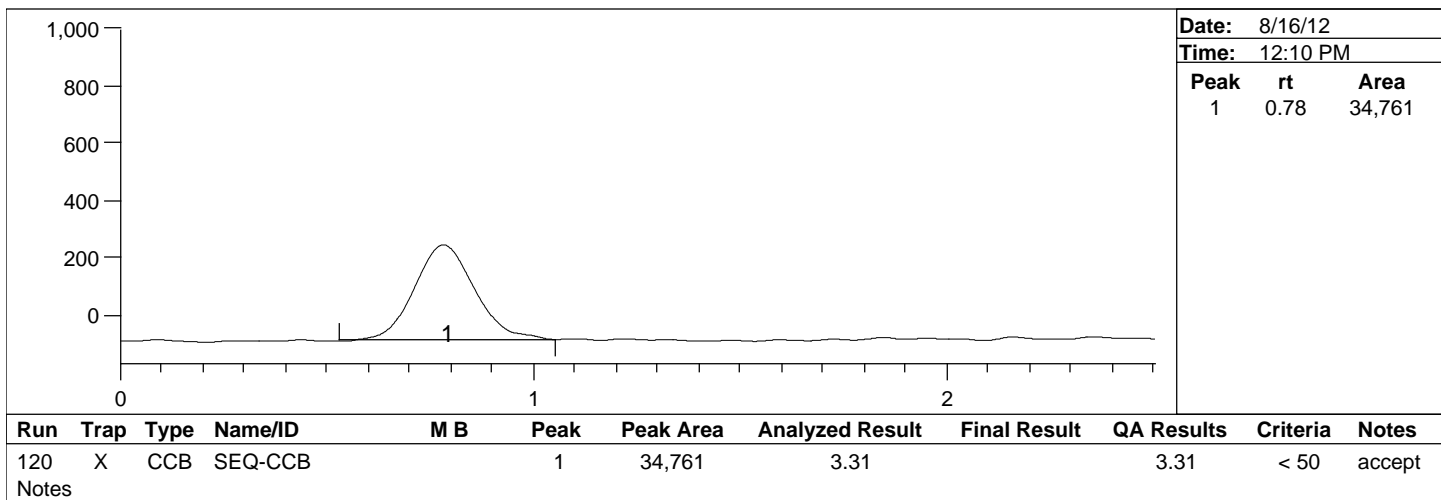
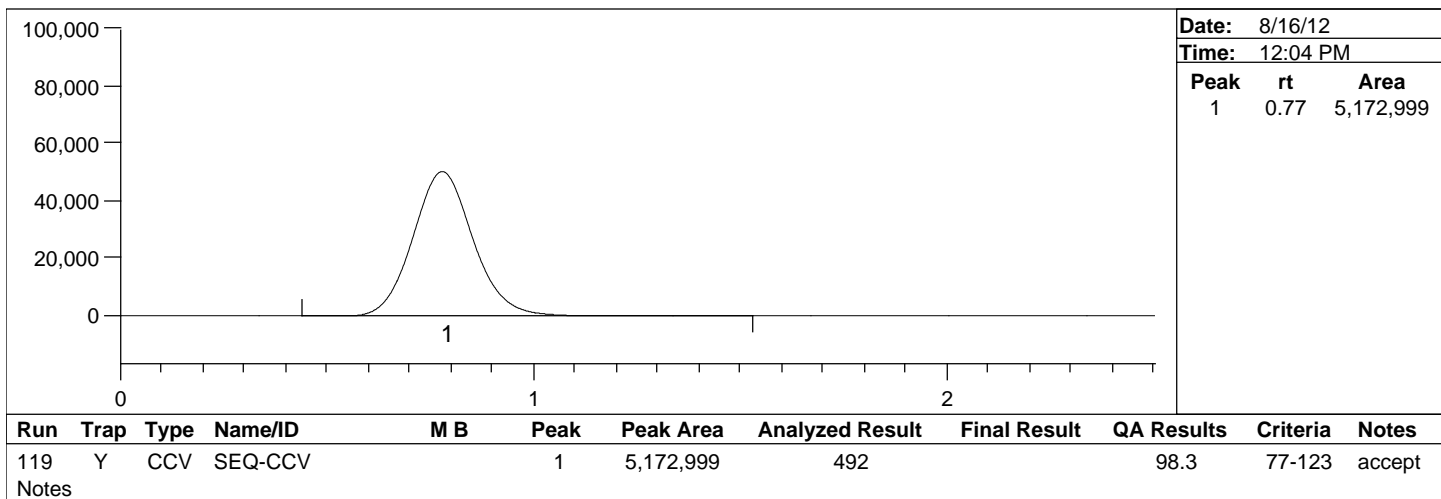
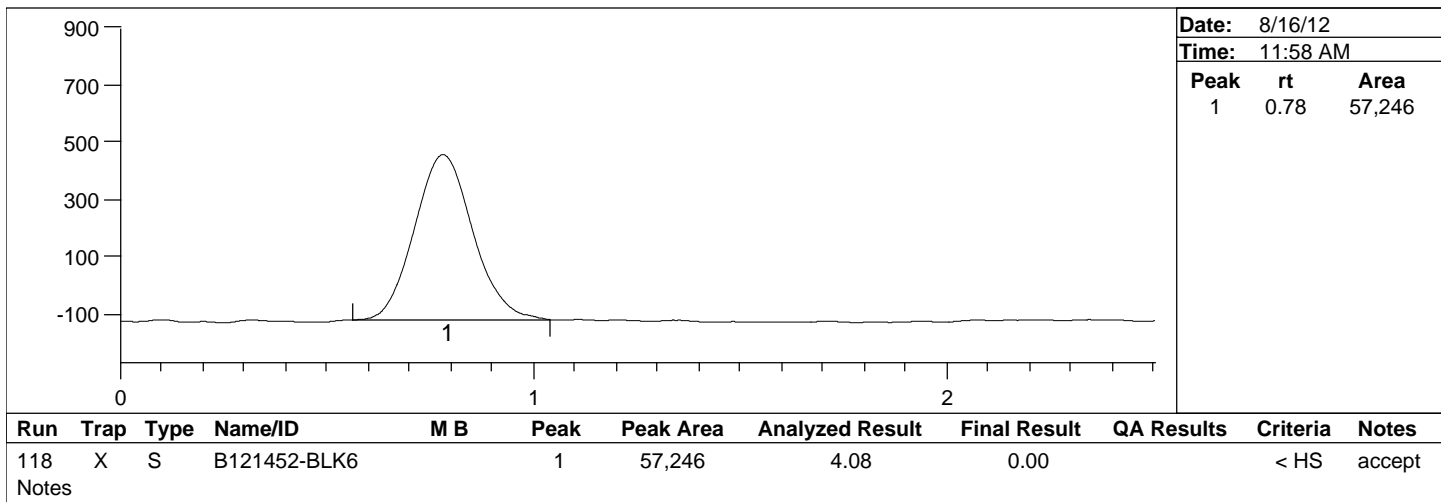
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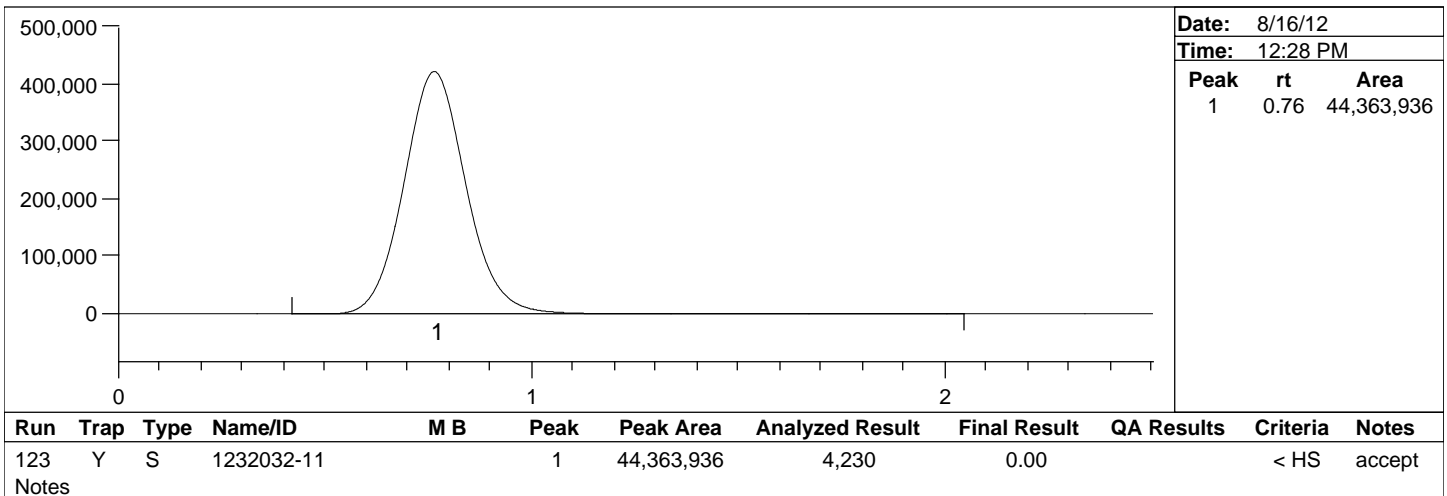
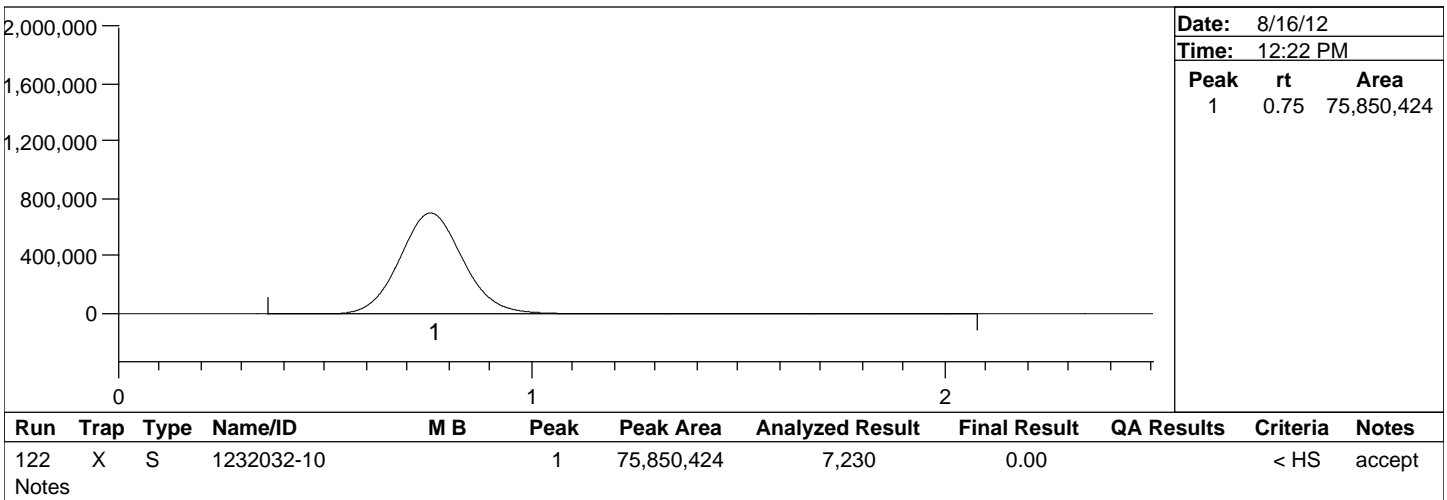
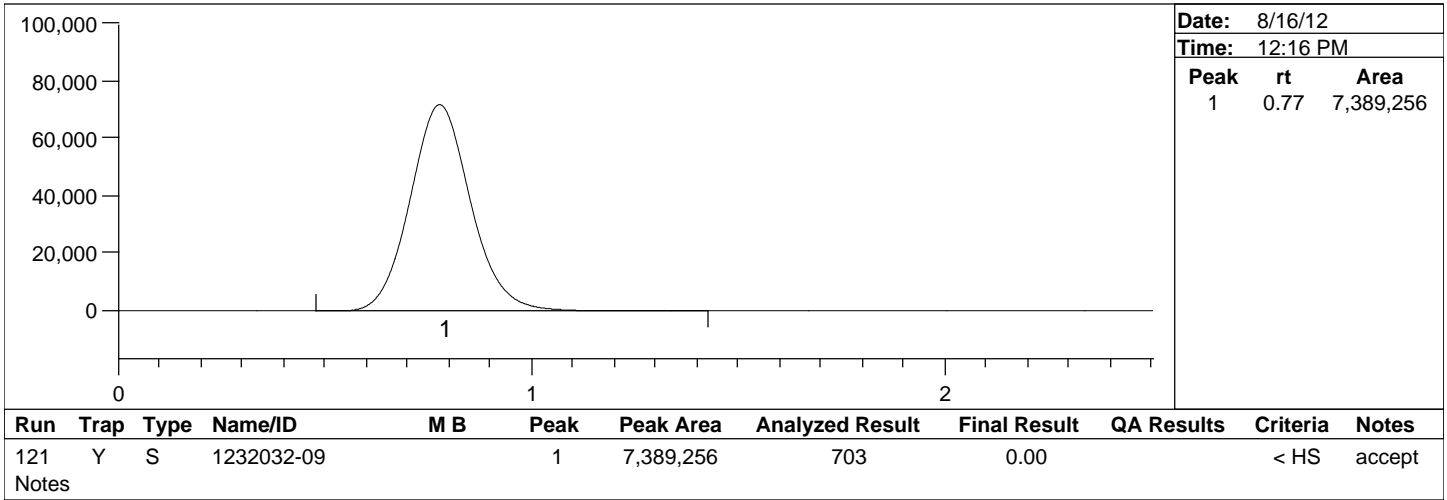
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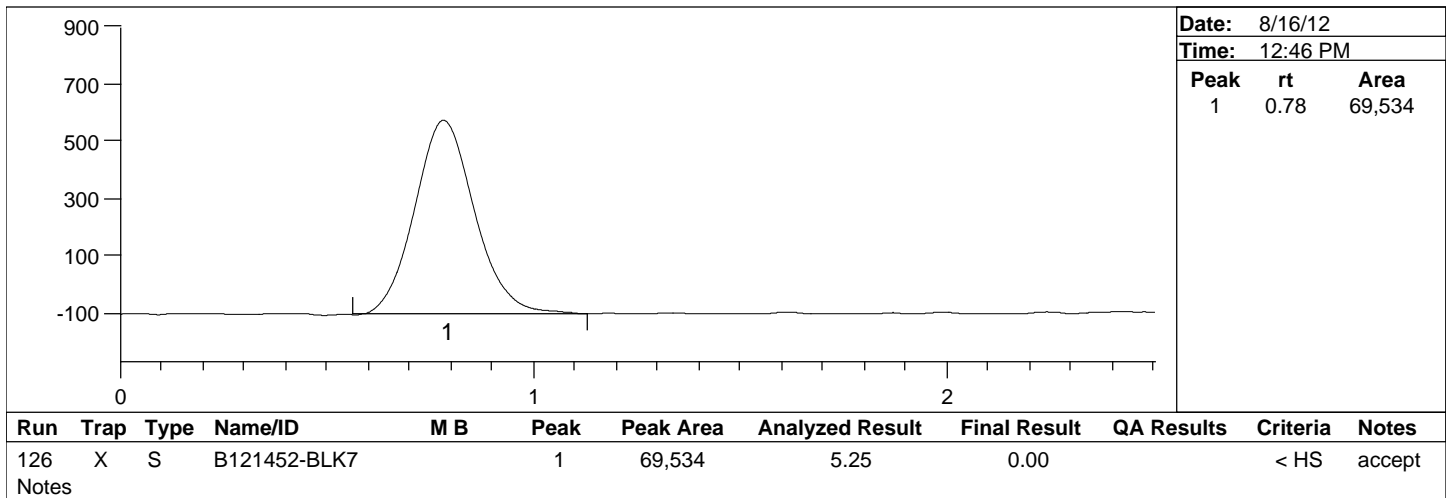
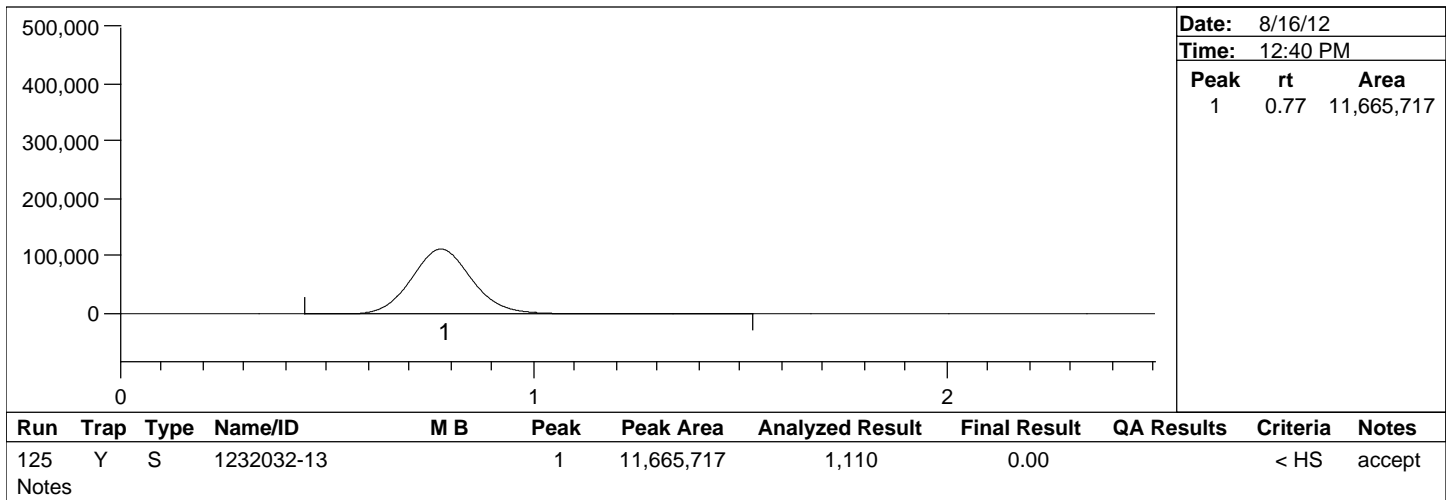
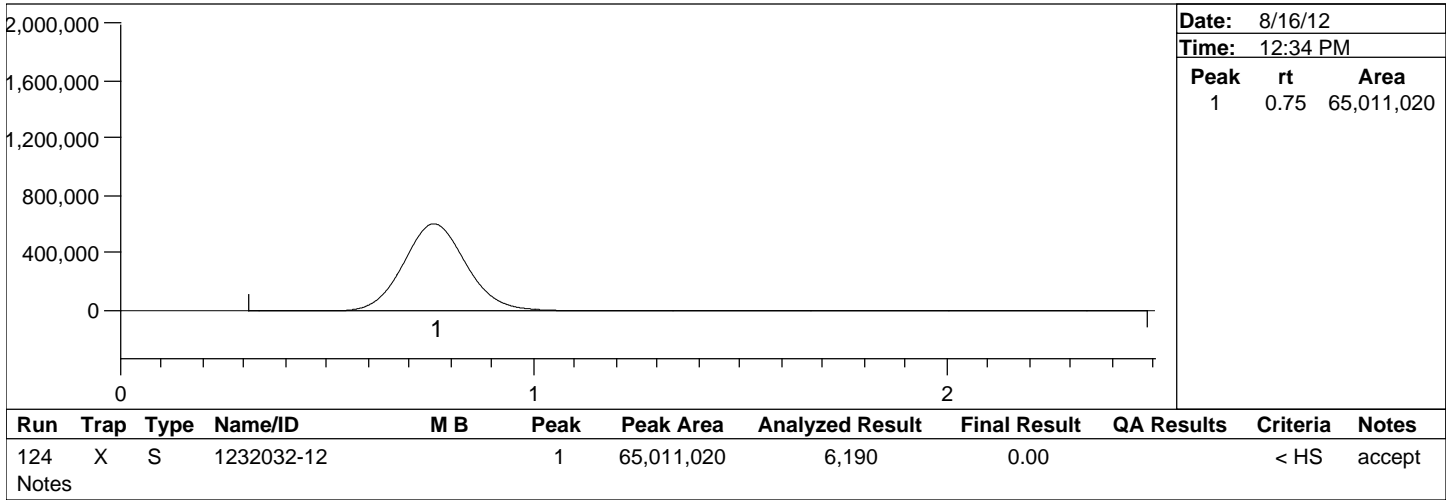
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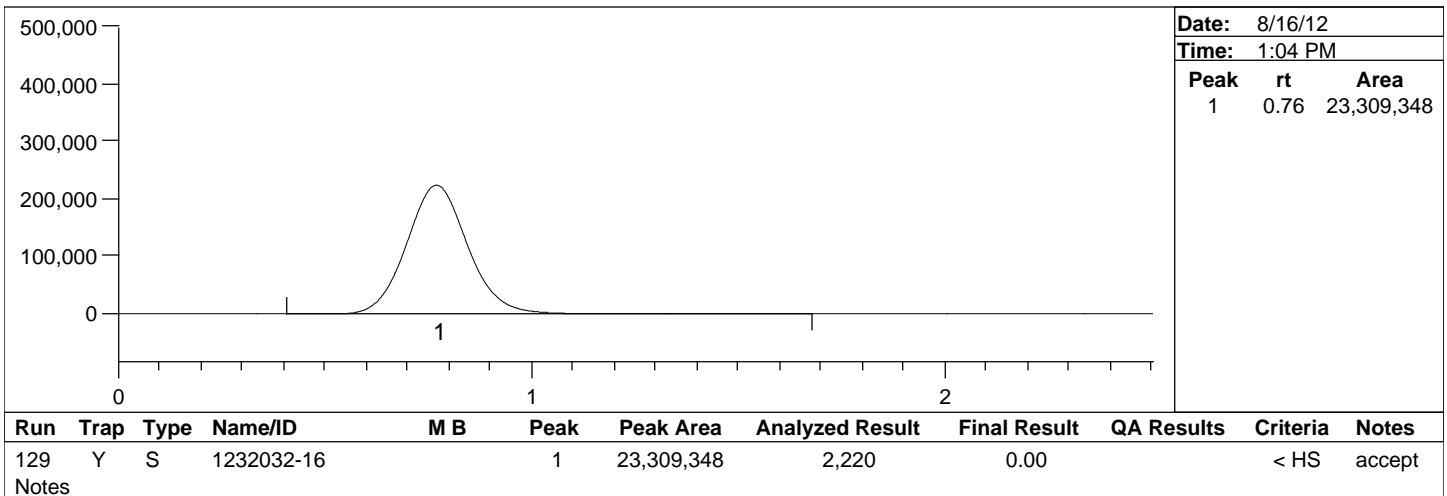
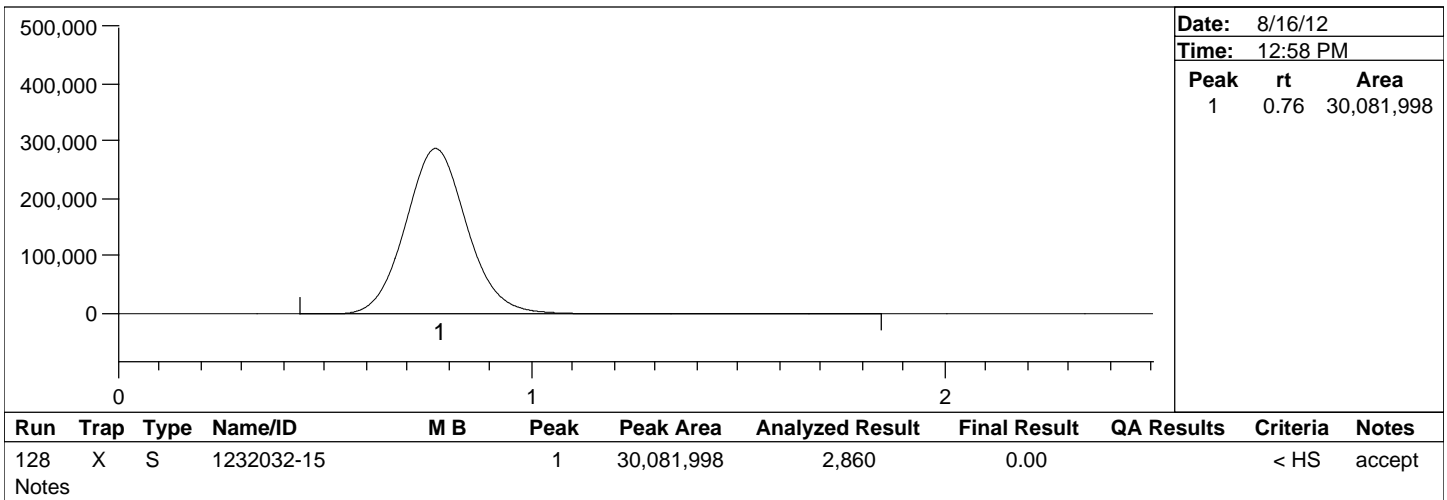
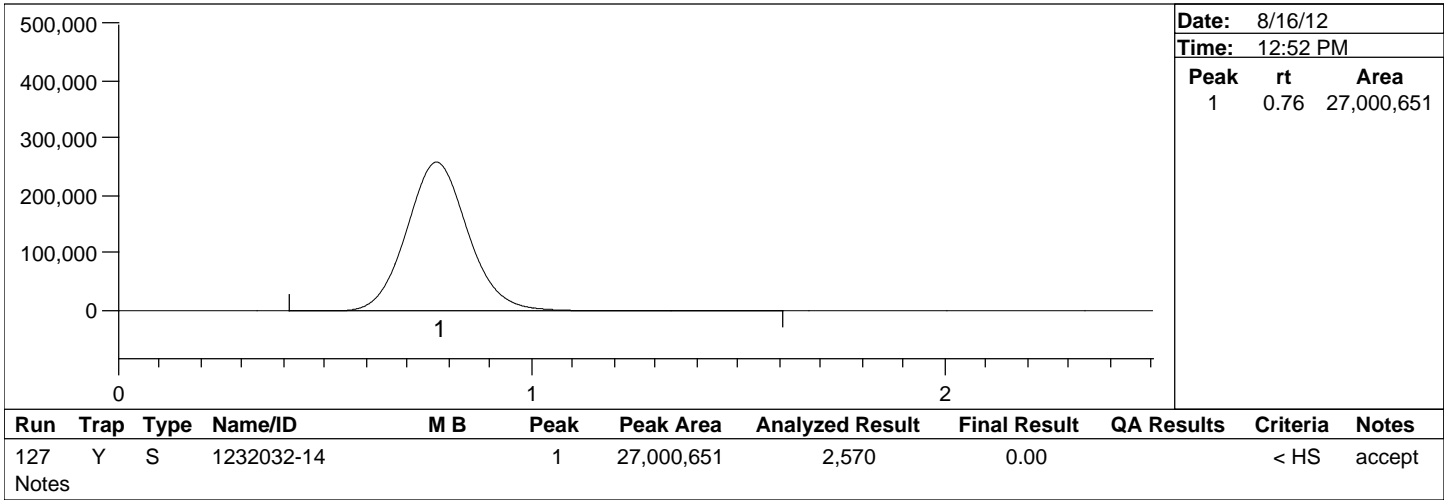
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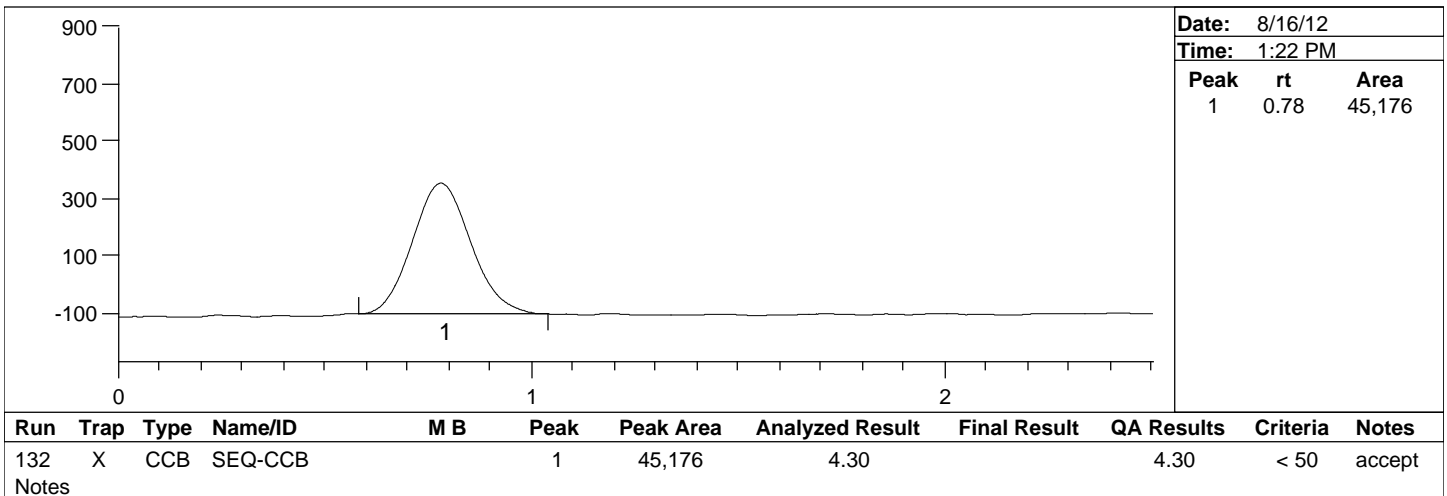
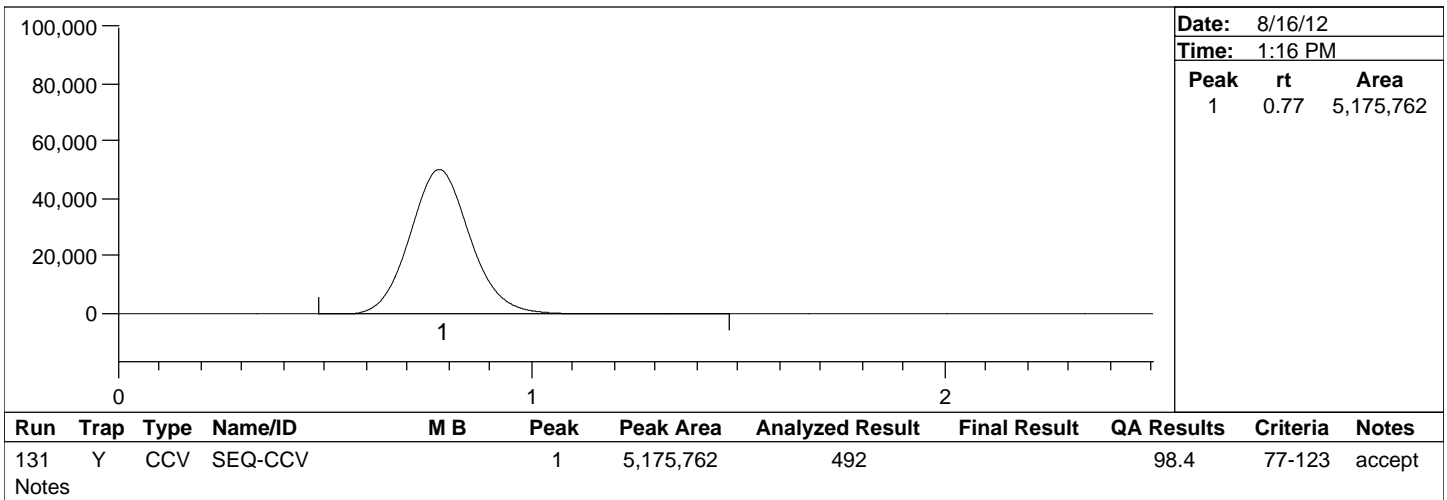
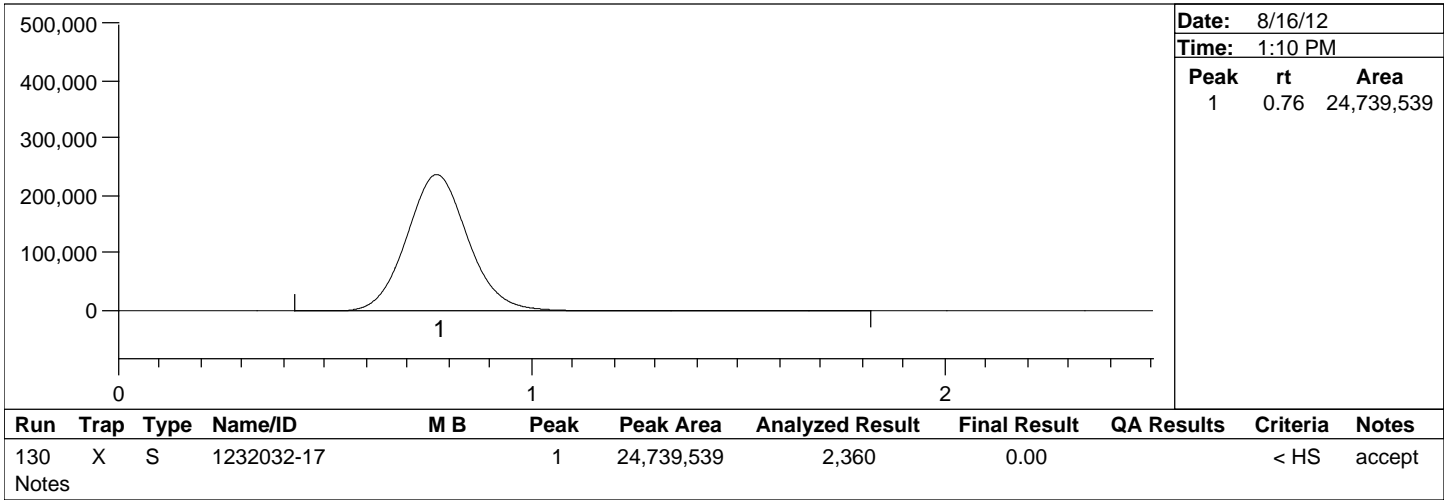
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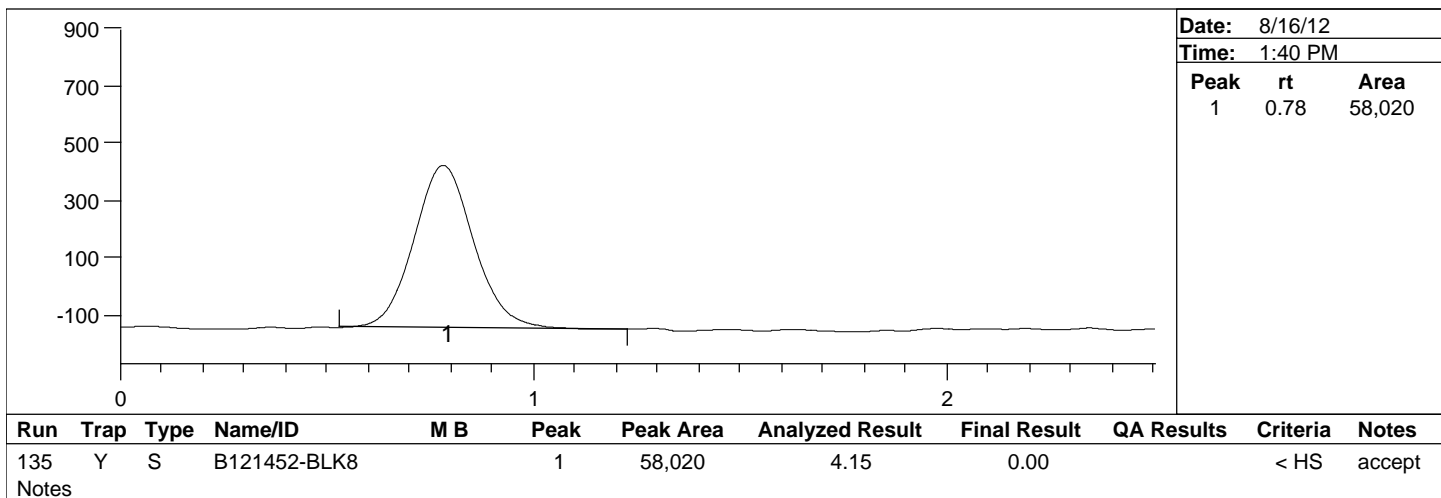
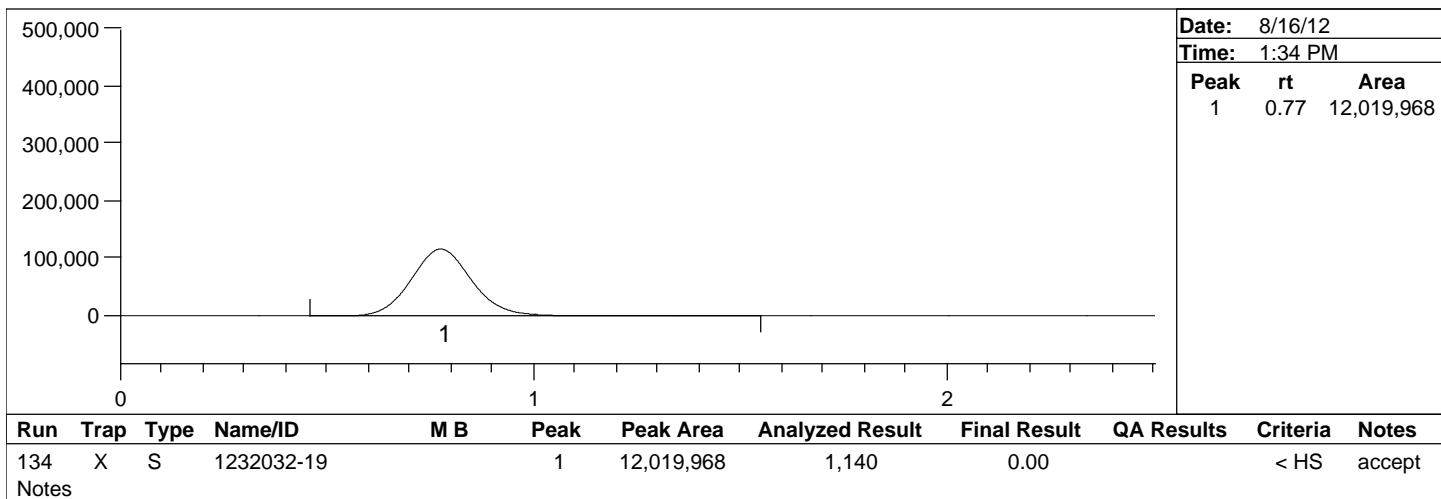
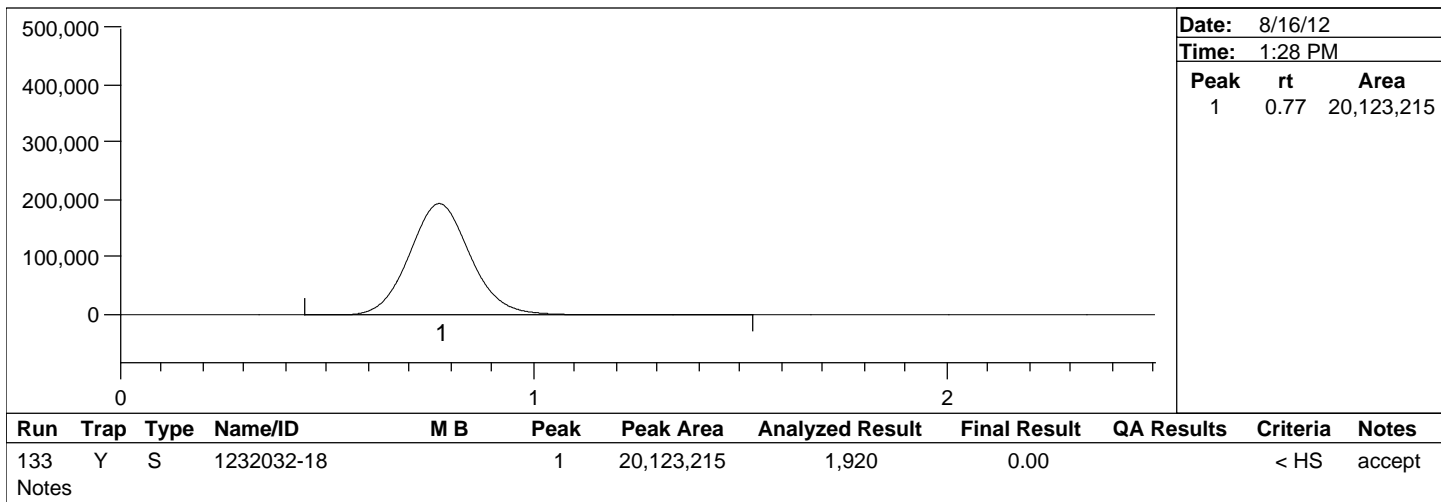
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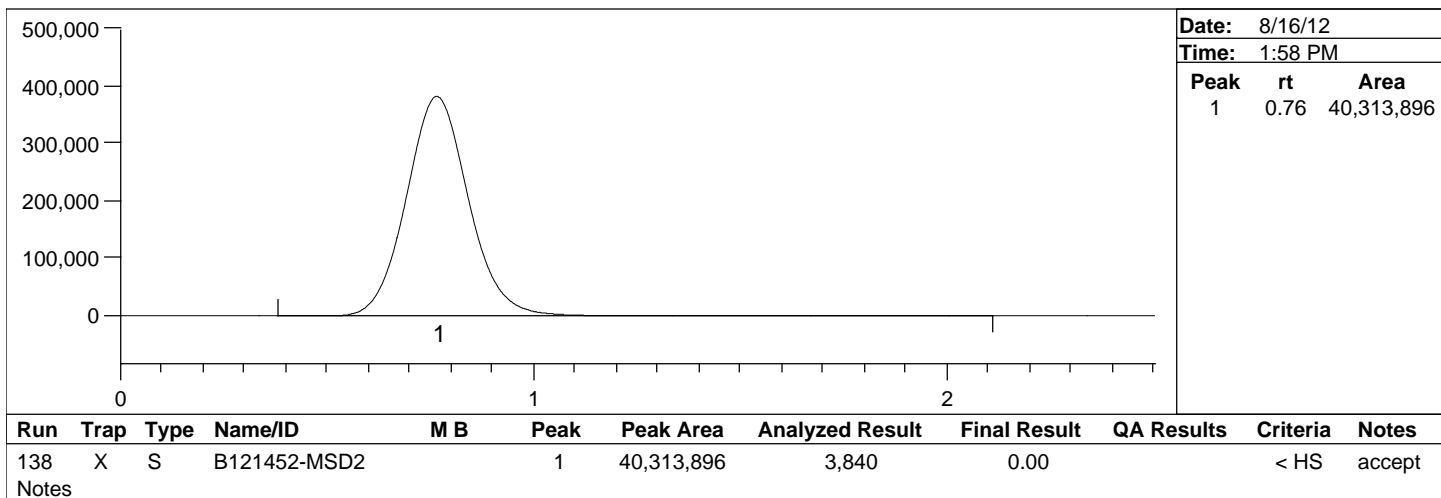
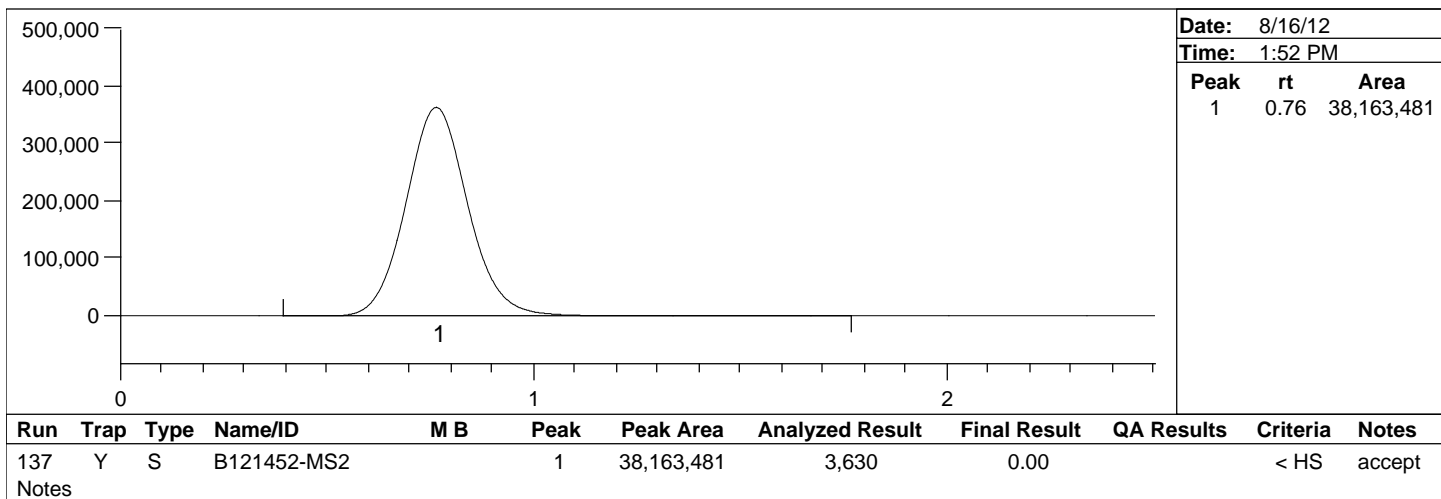
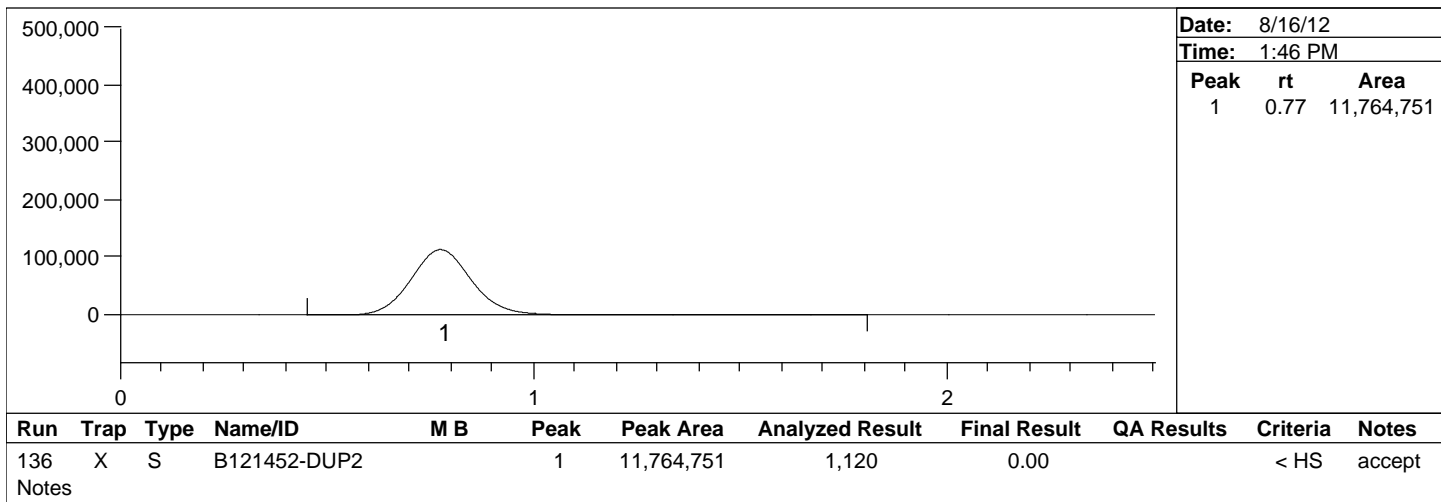
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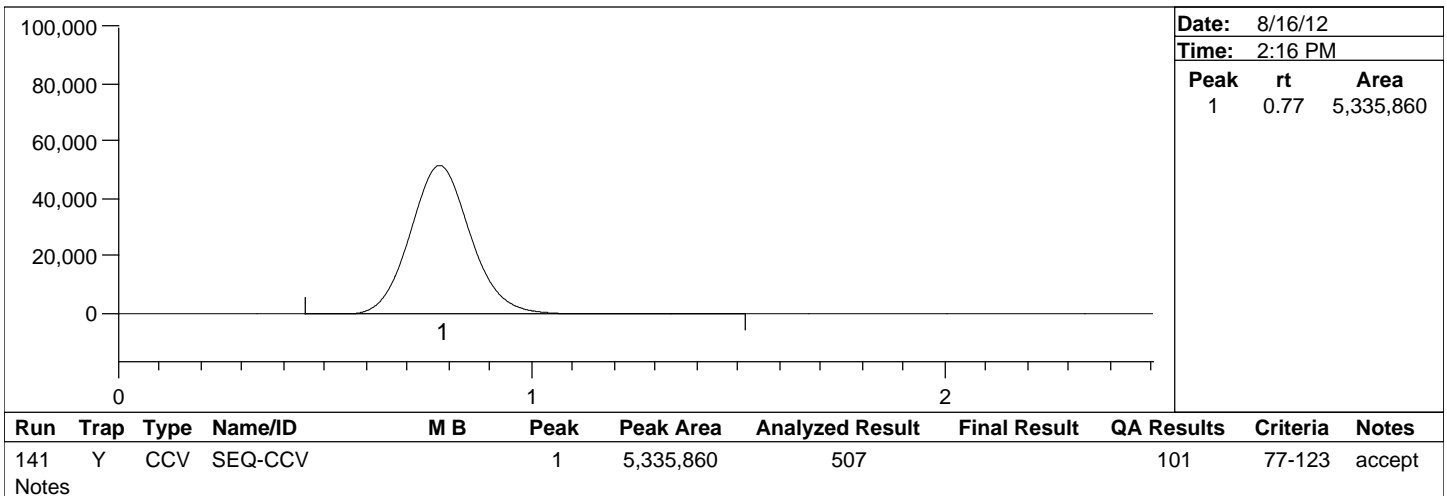
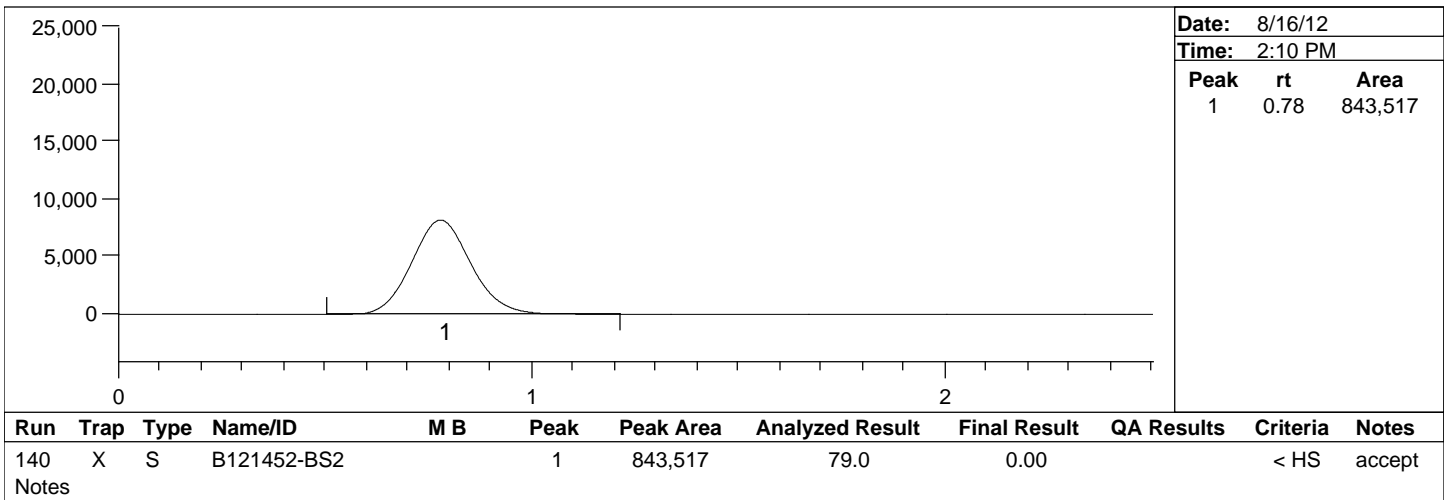
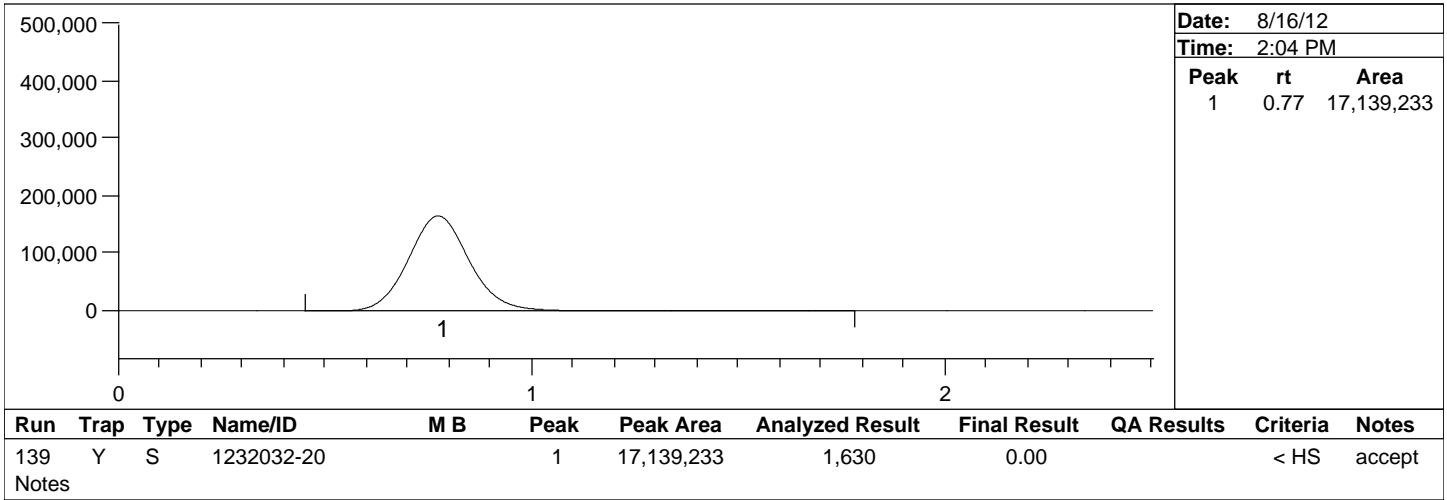
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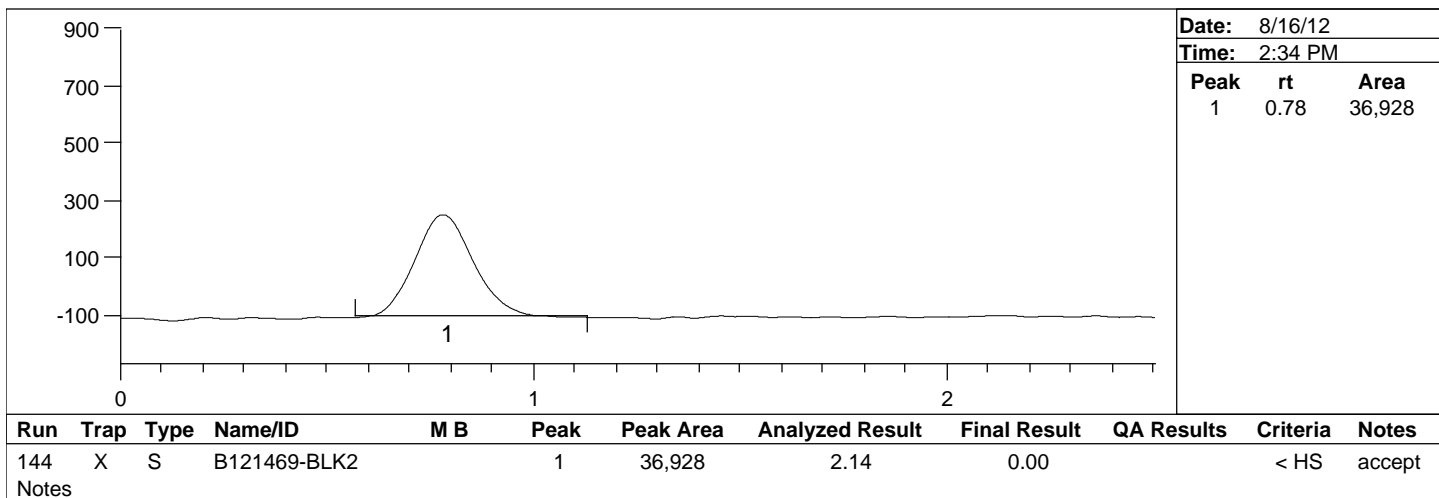
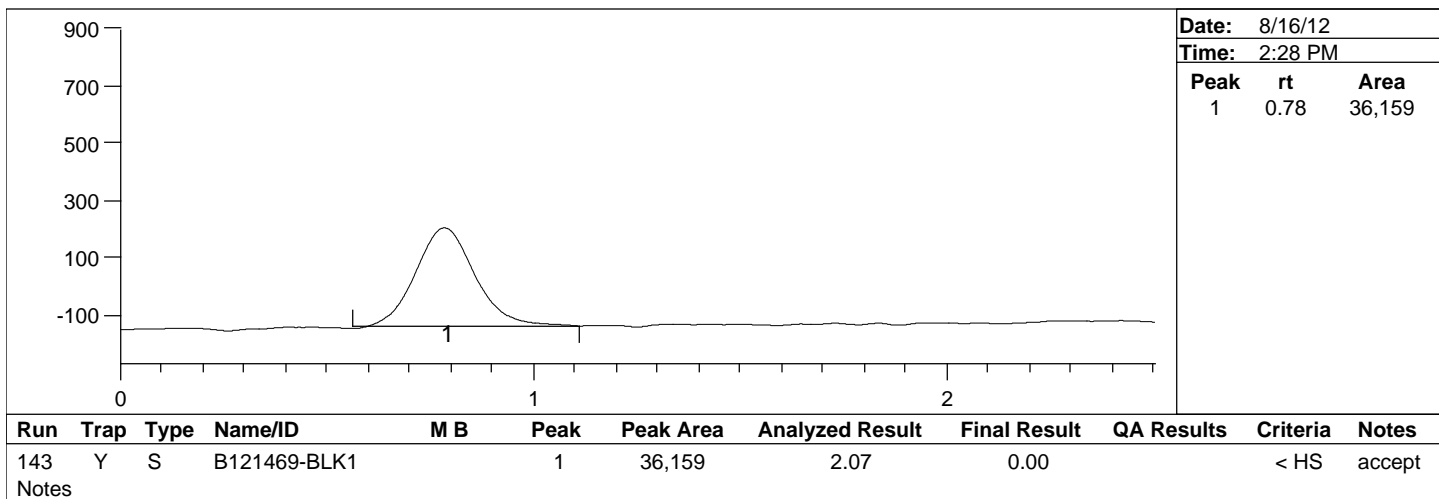
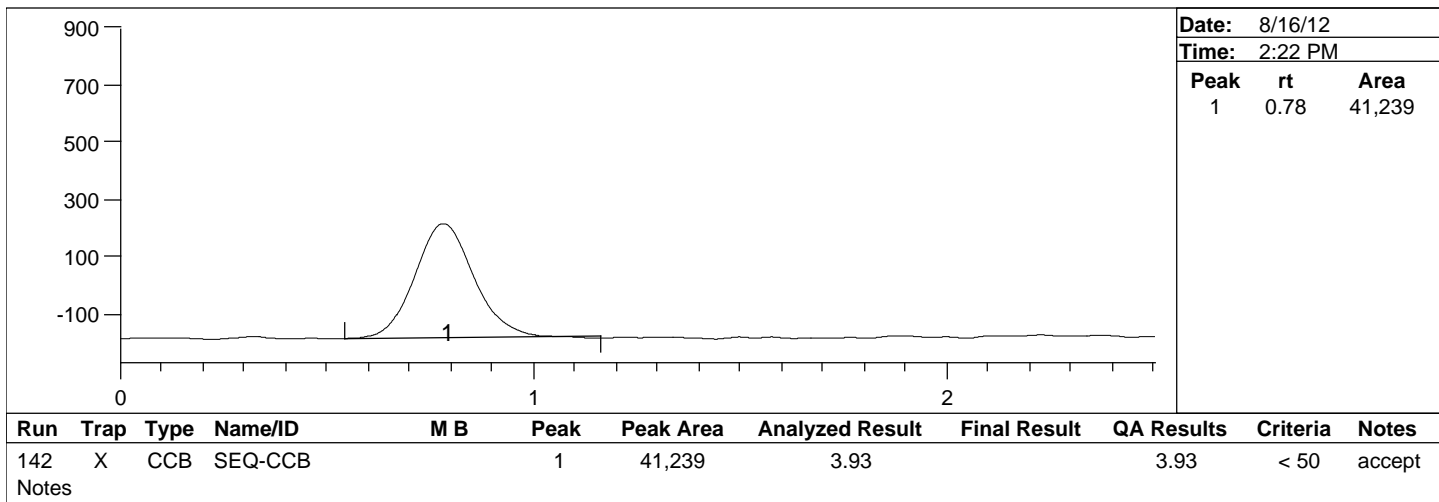
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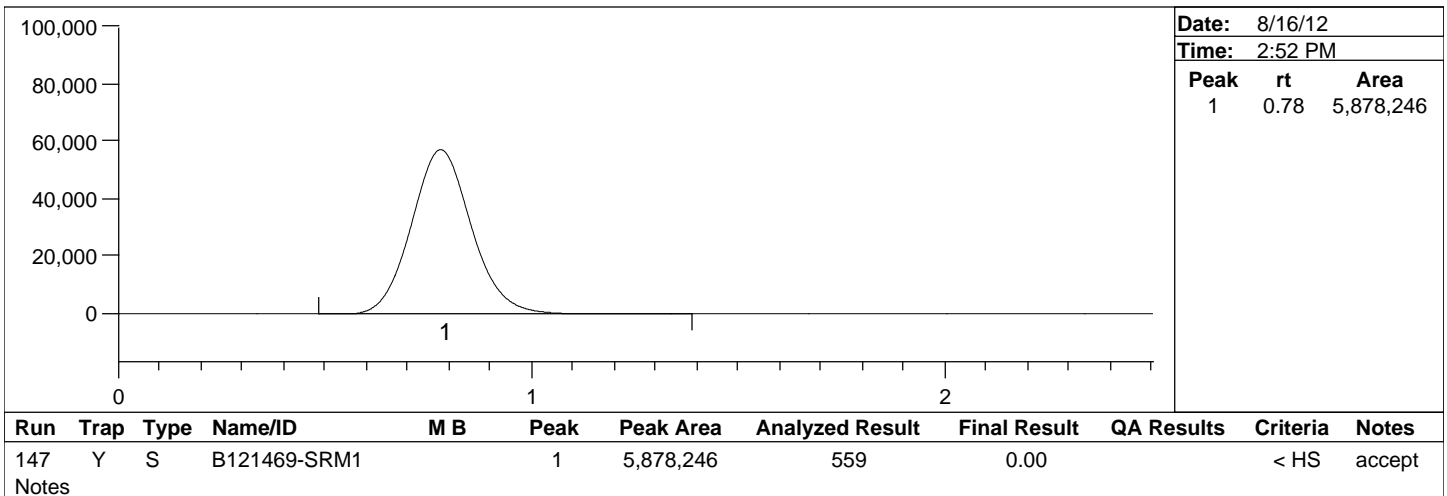
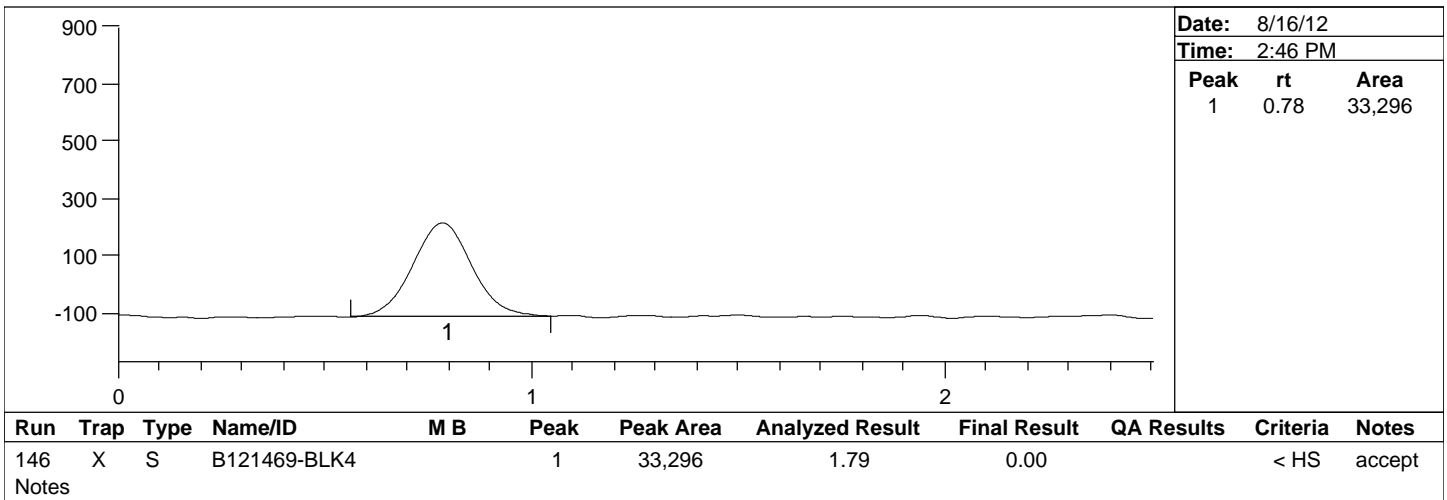
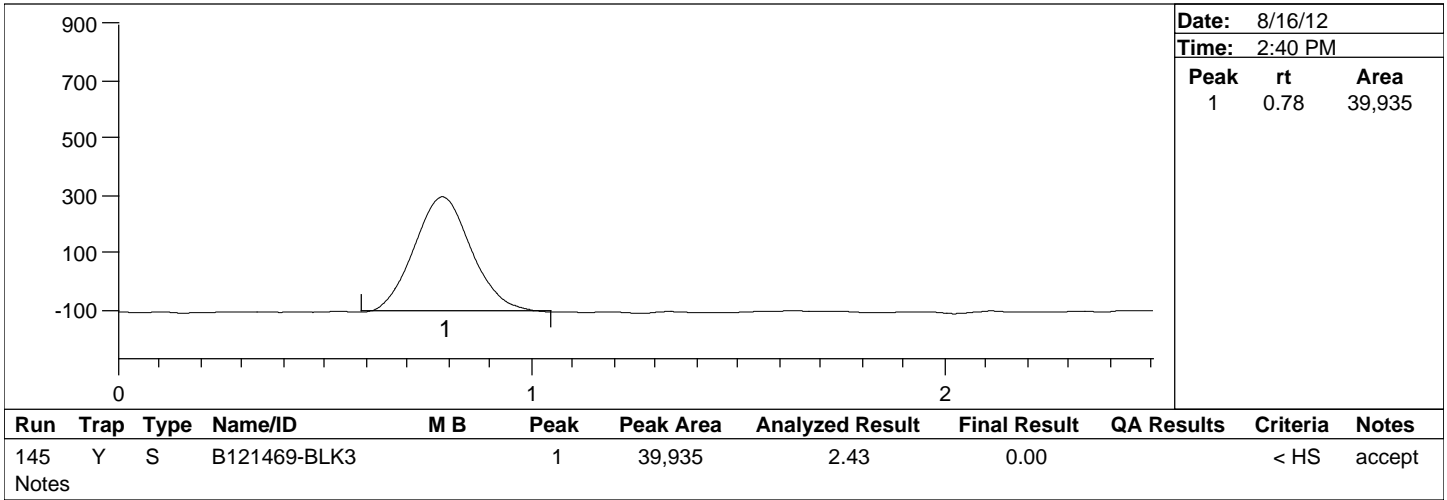
Method Number: CVAFS BR-0002

Project Number(s): 1200634

Instrument ID: THG-06

Date Analyzed: 8/15/12

Analyst Name: Labuser



Peak Report

Batch Number: B121433, 1426, 1452, 1469

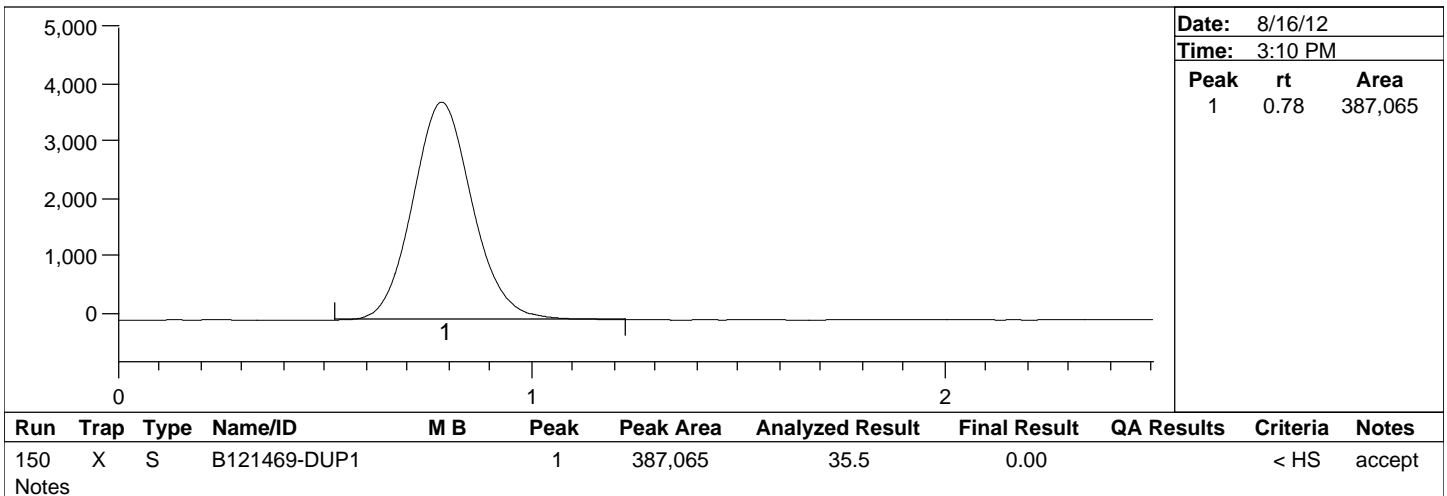
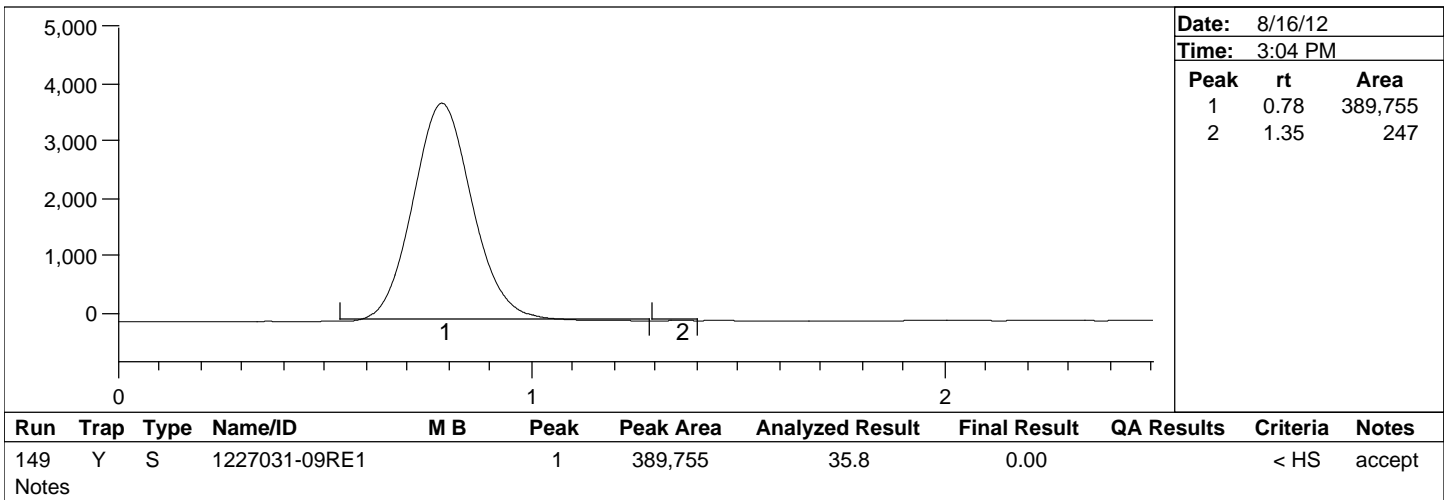
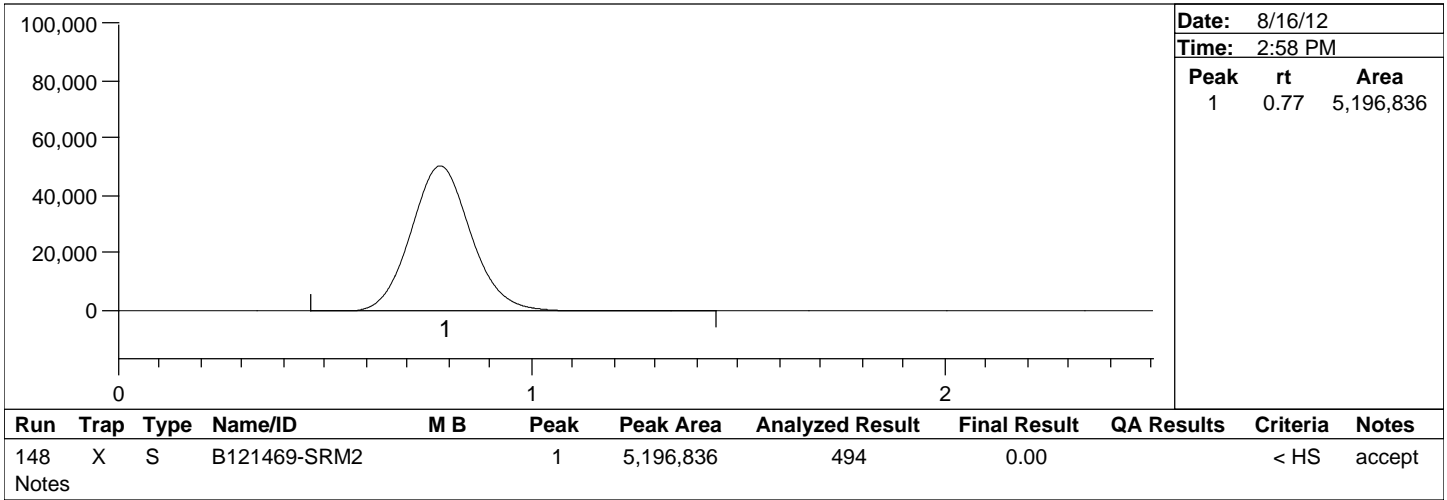
Method Number: CVAFS BR-0002

Project Number(s): 1200634

Instrument ID: THG-06

Date Analyzed: 8/15/12

Analyst Name: Labuser



Peak Report

Batch Number: B121433, 1426, 1452, 1469

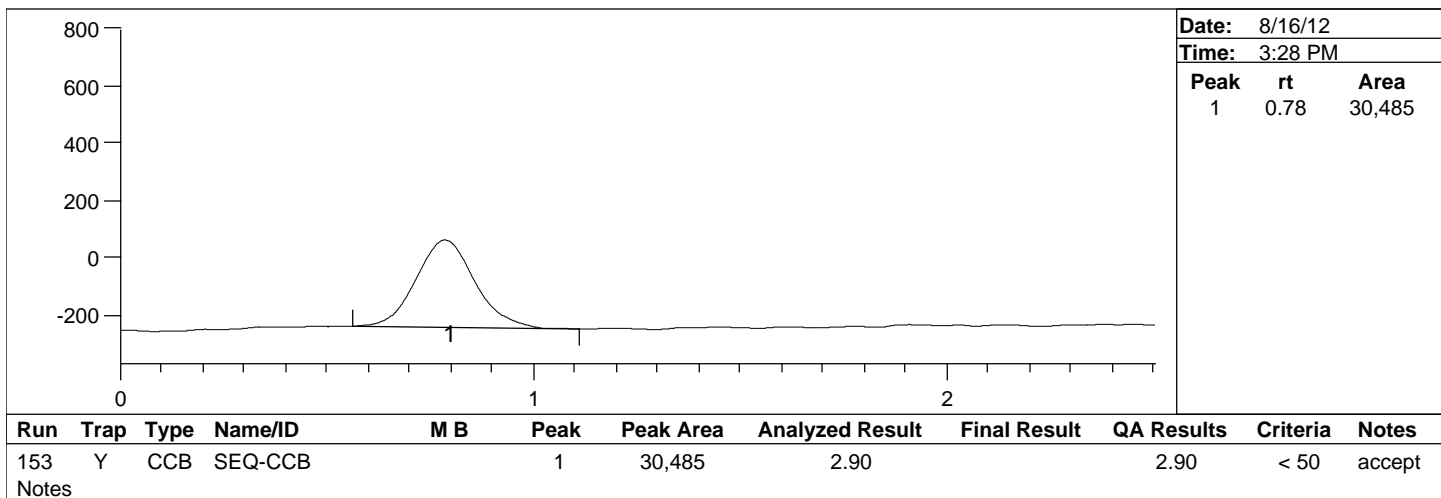
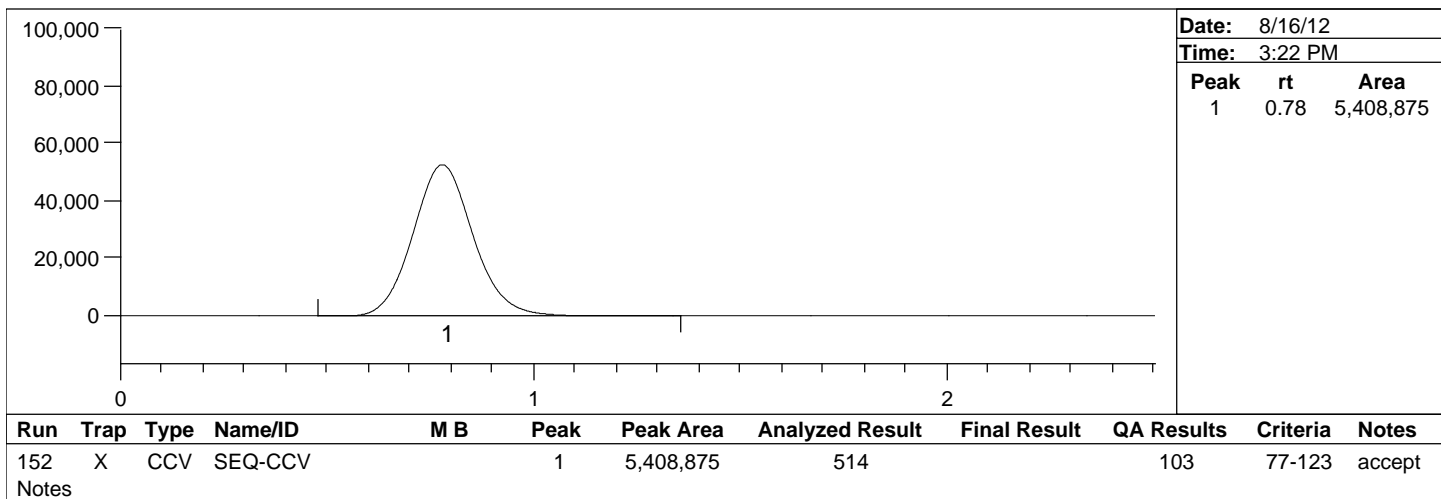
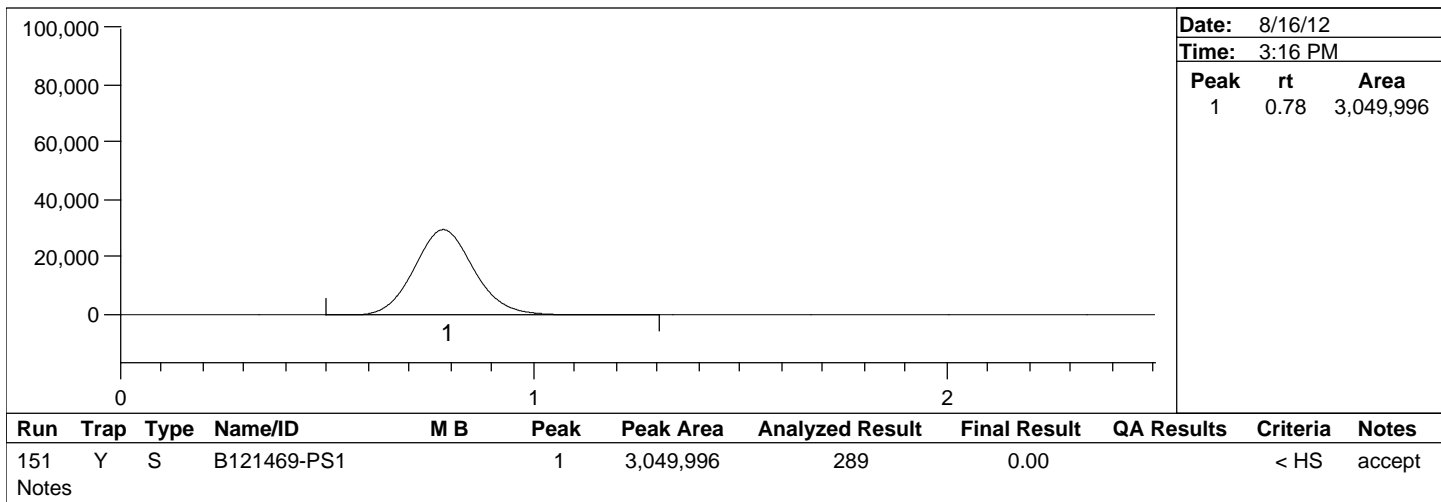
Method Number: CVAFS BR-0002

Project Number(s): 1200634

Instrument ID: THG-06

Date Analyzed: 8/15/12

Analyst Name: Labuser



ANALYSIS SEQUENCE

BRL Report 1232023

Brooks Rand Labs

1200676

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200676-ICB1	1200676	QC	1		-			
1200676-CAL1	1200676	QC	2	1228008	-			
1200676-CAL2	1200676	QC	3	1228007	-			
1200676-CAL3	1200676	QC	4	1228006	-			
1200676-CAL4	1200676	QC	5	1228005	-			
1200676-CAL5	1200676	QC	6	1228004	-			
1200676-CAL6	1200676	QC	7	1228003	-			
1200676-CAL7	1200676	QC	8	1228002	-			
1200676-CAL8	1200676	QC	9	1228001	-			
1200676-ICB2	1200676	QC	10		-			
1200676-ICV1	1200676	QC	11	1226014	-			
1200676-ICB3	1200676	QC	12		-			
1200676-IBL1	1200676	QC	13		-			
1200676-IBL2	1200676	QC	14		-			
1200676-IBL3	1200676	QC	15		-			
1200676-IBL4	1200676	QC	16		-			
1200676-SCV1	1200676	QC	17	1215030	-			
1200676-CCV1	1200676	QC	18	1228005	-			
1200676-CCB1	1200676	QC	19		-			
B121475-BLK1	B121475	QC	20		-			
B121475-BLK2	B121475	QC	21		-			
B121475-BLK3	B121475	QC	22		-			
B121475-BLK4	B121475	QC	23		-			
B121475-BS1	B121475	QC	24		-			
B121475-SRM1	B121475	QC	25		-			
B121475-SRM2	B121475	QC	26		-			

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BRL Report 1232023

Brooks Rand Labs

1200676

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200676-CCV2	1200676	QC	27	1228005	-			
1200676-CCB2	1200676	QC	28		-			
1233010-04	B121475	As-B-HNO3-DRC	29			DBE-RK1102	9/7/2012	
1233010-05	B121475	As-B-HNO3-DRC	30			DBE-RK1102	9/7/2012	
1233010-06	B121475	As-B-HNO3-DRC	31			DBE-RK1102	9/7/2012	
B121475-DUP1	B121475	QC	32		1233010-06			
B121475-MS1	B121475	QC	33		1233010-06			
B121475-MSD1	B121475	QC	34		1233010-06			
1200676-CCV3	1200676	QC	35	1228005	-			
1200676-CCB3	1200676	QC	36		-			
B121534-BLK1	B121534	QC	37		-			
B121534-BLK2	B121534	QC	38		-			
B121534-BLK3	B121534	QC	39		-			
B121534-BLK4	B121534	QC	40		-			
B121534-SRM1	B121534	QC	41		-			
B121534-SRM2	B121534	QC	42		-			
1233046-01	B121534	As-B-MW-DRC	43			BFF-BR1201	8/23/2012	
B121534-DUP1	B121534	QC	44		1233046-01			
B121534-MS1	B121534	QC	45		1233046-01			
B121534-MSD1	B121534	QC	46		1233046-01			
1200676-CCV4	1200676	QC	47	1228005	-			
1200676-CCB4	1200676	QC	48		-			
B121535-BLK1	B121535	QC	49		-			
B121535-BLK2	B121535	QC	50		-			
B121535-BLK3	B121535	QC	51		-			
B121535-BLK4	B121535	QC	52		-			

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Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B121535-BS1	B121535	QC	53		-			
B121535-SRM1	B121535	QC	54		-			
B121585-BLK1	B121585	QC	55		-			
B121585-BLK2	B121585	QC	56		-			
B121585-BLK3	B121585	QC	57		-			
B121585-BLK4	B121585	QC	58		-			
B121585-BS1	B121585	QC	59		-			
B121585-SRM1	B121585	QC	60		-			
B121538-BLK1	B121538	QC	61		-			
B121538-BLK2	B121538	QC	62		-			
B121538-BLK3	B121538	QC	63		-			
B121538-BLK4	B121538	QC	64		-			
B121538-BS1	B121538	QC	65		-			
B121538-SRM1	B121538	QC	66		-			
1232022-43	B121535	Se-FW-Oven-DRC-NoMB-Diss	67			AAL-MN1101	1/1/1980	BatchQC
1232022-43	B121535	Se-FW-Oven-DRC-NoMB-TR	68			AAL-MN1101	9/4/2012	
B121535-DUP1	B121535	QC	69		1232022-43			
B121535-MS1	B121535	QC	70		1232022-43			
B121535-MSD1	B121535	QC	71		1232022-43			
1200676-CCV5	1200676	QC	72	1228005	-			
1200676-CCB5	1200676	QC	73		-			
1232022-44	B121535	Se-FW-Oven-DRC-NoMB-Diss	74			AAL-MN1101	9/4/2012	
1232022-45	B121535	Se-FW-Oven-DRC-NoMB-TR	75			AAL-MN1101	9/4/2012	
1232022-46	B121535	Se-FW-Oven-DRC-NoMB-Diss	76			AAL-MN1101	9/4/2012	
1232022-47	B121535	Se-FW-Oven-DRC-NoMB-TR	77			AAL-MN1101	9/4/2012	
1232022-48	B121535	Se-FW-Oven-DRC-NoMB-Diss	78			AAL-MN1101	9/4/2012	

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Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1232022-49	B121535	Se-FW-Oven-DRC-NoMB-TR	79			AAL-MN1101	9/4/2012	
1232022-50	B121535	Se-FW-Oven-DRC-NoMB-Diss	80			AAL-MN1101	9/4/2012	
1200676-CCV6	1200676	QC	81	1228005	-			
1200676-CCB6	1200676	QC	82		-			
1234033-01	B121585	200.8-As-FW-Oven-DRC-TR	83			MBL-BA0902	9/12/2012	FGD
1234033-01	B121585	200.8-Se-FW-Oven-DRC-TR	84			MBL-BA0902	9/12/2012	FGD
B121585-DUP1	B121585	QC	85		1234033-01			
B121585-MS1	B121585	QC	86		1234033-01			
B121585-MSD1	B121585	QC	87		1234033-01			
1234033-02	B121585	200.8-As-FW-Oven-DRC-TR	88			MBL-BA0902	9/12/2012	FGD
1234033-02	B121585	200.8-Se-FW-Oven-DRC-TR	89			MBL-BA0902	9/12/2012	FGD
B121585-DUP2	B121585	QC	90		1234033-02			
B121585-MS2	B121585	QC	91		1234033-02			
B121585-MSD2	B121585	QC	92		1234033-02			
1200676-CCV7	1200676	QC	93	1228004	-			
1200676-CCB7	1200676	QC	94		-			
1234033-03	B121585	200.8-As-FW-Oven-DRC-TR	95			MBL-BA0902	9/12/2012	FGD
1234033-03	B121585	200.8-Se-FW-Oven-DRC-TR	96			MBL-BA0902	9/12/2012	FGD
1234033-04	B121585	200.8-As-FW-Oven-DRC-TR	97			MBL-BA0902	9/12/2012	FGD
1234033-04	B121585	200.8-Se-FW-Oven-DRC-TR	98			MBL-BA0902	9/12/2012	FGD
1234033-05	B121585	200.8-As-FW-Oven-DRC-TR	99			MBL-BA0902	9/12/2012	FGD
1234033-05	B121585	200.8-Se-FW-Oven-DRC-TR	100			MBL-BA0902	9/12/2012	FGD
1234033-06	B121585	200.8-As-FW-Oven-DRC-TR	101			MBL-BA0902	9/12/2012	FGD
1234033-06	B121585	200.8-Se-FW-Oven-DRC-TR	102			MBL-BA0902	9/12/2012	FGD
1234033-07	B121585	200.8-As-FW-Oven-DRC-TR	103			MBL-BA0902	9/12/2012	FGD
1234033-07	B121585	200.8-Se-FW-Oven-DRC-TR	104			MBL-BA0902	9/12/2012	FGD

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Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1234033-08	B121585	200.8-As-FW-Oven-DRC-TR	105			MBL-BA0902	9/12/2012	FGD
1234033-08	B121585	200.8-Se-FW-Oven-DRC-TR	106			MBL-BA0902	9/12/2012	FGD
1200676-CCV8	1200676	QC	107	1228004	-			
1200676-CCB8	1200676	QC	108		-			
1234033-09	B121585	200.8-As-FW-Oven-DRC-TR	109			MBL-BA0902	9/12/2012	FGD
1234033-09	B121585	200.8-Se-FW-Oven-DRC-TR	110			MBL-BA0902	9/12/2012	FGD
1234033-10	B121585	200.8-As-FW-Oven-DRC-TR	111			MBL-BA0902	9/12/2012	FGD
1234033-10	B121585	200.8-Se-FW-Oven-DRC-TR	112			MBL-BA0902	9/12/2012	FGD
1234033-11	B121585	200.8-As-FW-Oven-DRC-TR	113			MBL-BA0902	9/12/2012	FGD
1234033-11	B121585	200.8-Se-FW-Oven-DRC-TR	114			MBL-BA0902	9/12/2012	FGD
1234033-12	B121585	200.8-As-FW-Oven-DRC-TR	115			MBL-BA0902	9/12/2012	FGD
1234033-12	B121585	200.8-Se-FW-Oven-DRC-TR	116			MBL-BA0902	9/12/2012	FGD
1200676-CCV9	1200676	QC	117	1228004	-			
1200676-CCB9	1200676	QC	118		-			
1233048-01	B121538	Se-FW-Oven-DRC-TR	119			IID-IM1201	9/11/2012	
B121538-DUP1	B121538	QC	120		1233048-01			
B121538-MS1	B121538	QC	121		1233048-01			
B121538-MSD1	B121538	QC	122		1233048-01			
1233048-02	B121538	Se-FW-Oven-DRC-TR	123			IID-IM1201	9/11/2012	
1233048-03	B121538	Se-FW-Oven-DRC-TR	124			IID-IM1201	9/11/2012	
1233048-04	B121538	Se-FW-Oven-DRC-TR	125			IID-IM1201	9/11/2012	
1233048-05	B121538	Se-FW-Oven-DRC-TR	126			IID-IM1201	9/11/2012	
1233048-06	B121538	Se-FW-Oven-DRC-TR	127			IID-IM1201	9/11/2012	
1233048-07	B121538	Se-FW-Oven-DRC-TR	128			IID-IM1201	9/11/2012	
1200676-CCVA	1200676	QC	129	1228004	-			
1200676-CCBA	1200676	QC	130		-			

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Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
B121476-BLK1	B121476	QC	131		-			
B121476-BLK2	B121476	QC	132		-			
B121476-BLK3	B121476	QC	133		-			
B121476-BLK4	B121476	QC	134		-			
B121476-BS1	B121476	QC	135		-			
B121476-SRM1	B121476	QC	136		-			
1233002-01	B121476	Se-FW-Oven-DRC-NoMB-TR	137			AAL-MN1101	9/9/2012	
1233002-02	B121476	Se-FW-Oven-DRC-NoMB-Diss	138			AAL-MN1101	9/9/2012	
1233002-03	B121476	Se-FW-Oven-DRC-NoMB-Diss	139			AAL-MN1101	1/1/1980	BatchQC
1233002-03	B121476	Se-FW-Oven-DRC-NoMB-TR	140			AAL-MN1101	9/9/2012	
B121476-MS1	B121476	QC	141		1233002-03			
B121476-MSD1	B121476	QC	142		1233002-03			
1200676-CCVB	1200676	QC	143	1228004	-			
1200676-CCBB	1200676	QC	144		-			
B121476-DUP1	B121476	QC	145		1233002-03			
1233002-04	B121476	Se-FW-Oven-DRC-NoMB-Diss	146			AAL-MN1101	9/9/2012	
1233002-05	B121476	Se-FW-Oven-DRC-NoMB-Diss	147			AAL-MN1101	1/1/1980	BatchQC
1233002-05	B121476	Se-FW-Oven-DRC-NoMB-TR	148			AAL-MN1101	9/9/2012	
B121476-DUP2	B121476	QC	149		1233002-05			
B121476-MS2	B121476	QC	150		1233002-05			
B121476-MSD2	B121476	QC	151		1233002-05			
1233002-06	B121476	Se-FW-Oven-DRC-NoMB-Diss	152			AAL-MN1101	9/9/2012	
1233002-07	B121476	Se-FW-Oven-DRC-NoMB-TR	153			AAL-MN1101	9/9/2012	
1233002-08	B121476	Se-FW-Oven-DRC-NoMB-Diss	154			AAL-MN1101	9/9/2012	
1233002-09	B121476	Se-FW-Oven-DRC-NoMB-TR	155			AAL-MN1101	9/9/2012	
1233002-10	B121476	Se-FW-Oven-DRC-NoMB-Diss	156			AAL-MN1101	9/9/2012	

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Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200676-CCVC	1200676	QC	157	1228004	-			
1200676-CCBC	1200676	QC	158		-			
1233002-11	B121476	Se-FW-Oven-DRC-NoMB-TR	159			AAL-MN1101	9/9/2012	
1233002-12	B121476	Se-FW-Oven-DRC-NoMB-Diss	160			AAL-MN1101	9/9/2012	
1233002-13	B121476	Se-FW-Oven-DRC-NoMB-TR	161			AAL-MN1101	9/9/2012	
1233002-14	B121476	Se-FW-Oven-DRC-NoMB-Diss	162			AAL-MN1101	9/9/2012	
1233002-17	B121476	Se-FW-Oven-DRC-NoMB-Diss	163			AAL-MN1101	1/1/1980	BatchQC
1233002-17	B121476	Se-FW-Oven-DRC-NoMB-TR	164			AAL-MN1101	9/9/2012	
B121476-DUP3	B121476	QC	165		1233002-17			
B121476-MS3	B121476	QC	166		1233002-17			
B121476-MSD3	B121476	QC	167		1233002-17			
1233002-18	B121476	Se-FW-Oven-DRC-NoMB-TR	168			AAL-MN1101	1/1/1980	BatchQC
1233002-18	B121476	Se-FW-Oven-DRC-NoMB-Diss	169			AAL-MN1101	9/9/2012	
B121476-DUP4	B121476	QC	170		1233002-18			
1200676-CCVD	1200676	QC	171	1228004	-			
1200676-CCBD	1200676	QC	172		-			
B121476-MS4	B121476	QC	173		1233002-18			
B121476-MSD4	B121476	QC	174		1233002-18			
1233002-19	B121476	Se-FW-Oven-DRC-NoMB-TR	175			AAL-MN1101	9/9/2012	
1233002-20	B121476	Se-FW-Oven-DRC-NoMB-Diss	176			AAL-MN1101	9/9/2012	
1233002-21	B121476	Se-FW-Oven-DRC-NoMB-TR	177			AAL-MN1101	9/9/2012	
1233002-22	B121476	Se-FW-Oven-DRC-NoMB-Diss	178			AAL-MN1101	9/9/2012	
1233002-23	B121476	Se-FW-Oven-DRC-NoMB-TR	179			AAL-MN1101	9/9/2012	
1233002-24	B121476	Se-FW-Oven-DRC-NoMB-Diss	180			AAL-MN1101	9/9/2012	
1233002-25	B121476	Se-FW-Oven-DRC-NoMB-TR	181			AAL-MN1101	9/9/2012	
1233002-26	B121476	Se-FW-Oven-DRC-NoMB-Diss	182			AAL-MN1101	9/9/2012	

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Brooks Rand Labs

1200676

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200676-CCVE	1200676	QC	183	1228003	-			
1200676-CCBE	1200676	QC	184		-			
B121449-BLK1	B121449	QC	185		-			
B121449-BLK2	B121449	QC	186		-			
B121449-BLK3	B121449	QC	187		-			
B121449-BLK4	B121449	QC	188		-			
B121449-BS1	B121449	QC	189		-			
B121449-SRM1	B121449	QC	190		-			
B121449-SRM2	B121449	QC	191		-			
1232023-01	B121449	Se-B-HNO3-DRC	192			UDE-SL1201	9/18/2012	
B121449-DUP1	B121449	QC	193		1232023-01			
1200676-CCVF	1200676	QC	194	1228003	-			
1200676-CCBF	1200676	QC	195		-			
B121449-MS1	B121449	QC	196		1232023-01			
B121449-MSD1	B121449	QC	197		1232023-01			
1232023-02	B121449	Se-B-HNO3-DRC	198			UDE-SL1201	9/18/2012	
1232023-03	B121449	Se-B-HNO3-DRC	199			UDE-SL1201	9/18/2012	
1232023-04	B121449	Se-B-HNO3-DRC	200			UDE-SL1201	9/18/2012	
1232023-05	B121449	Se-B-HNO3-DRC	201			UDE-SL1201	9/18/2012	
1232023-06	B121449	Se-B-HNO3-DRC	202			UDE-SL1201	9/18/2012	
1232023-07	B121449	Se-B-HNO3-DRC	203			UDE-SL1201	9/18/2012	
1232023-08	B121449	Se-B-HNO3-DRC	204			UDE-SL1201	9/18/2012	
1200676-CCVG	1200676	QC	205	1228003	-			
1200676-CCBG	1200676	QC	206		-			
1232023-09	B121449	Se-B-HNO3-DRC	207			UDE-SL1201	9/18/2012	
1232023-10	B121449	Se-B-HNO3-DRC	208			UDE-SL1201	9/18/2012	

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BRL Report 1232023

Brooks Rand Labs

1200676

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1232023-11	B121449	Se-B-HNO3-DRC	209			UDE-SL1201	9/18/2012	
B121449-DUP2	B121449	QC	210		1232023-04			
B121449-MS2	B121449	QC	211		1232023-04			
B121449-MSD2	B121449	QC	212		1232023-04			
1232023-12	B121449	Se-B-HNO3-DRC	213			UDE-SL1201	9/18/2012	
1232023-13	B121449	Se-B-HNO3-DRC	214			UDE-SL1201	9/18/2012	
1232023-14	B121449	Se-B-HNO3-DRC	215			UDE-SL1201	9/18/2012	
1232023-15	B121449	Se-B-HNO3-DRC	216			UDE-SL1201	9/18/2012	
1200676-CCVH	1200676	QC	217	1228003	-			
1200676-CCBH	1200676	QC	218		-			
1232023-16	B121449	Se-B-HNO3-DRC	219			UDE-SL1201	9/18/2012	
1232023-17	B121449	Se-B-HNO3-DRC	220			UDE-SL1201	9/18/2012	
1232023-18	B121449	Se-B-HNO3-DRC	221			UDE-SL1201	9/18/2012	
1232023-19	B121449	Se-B-HNO3-DRC	222			UDE-SL1201	9/18/2012	
1200676-CCVI	1200676	QC	223	1228003	-			
1200676-CCBI	1200676	QC	224		-			
1232023-20	B121449	Se-B-HNO3-DRC	225			UDE-SL1201	9/18/2012	
1232023-21	B121449	Se-B-HNO3-DRC	226			UDE-SL1201	9/18/2012	
B121449-DUP3	B121449	QC	227		1232023-21			
B121449-MS3	B121449	QC	228		1232023-21			
B121449-MSD3	B121449	QC	229		1232023-21			
1232023-22	B121449	Se-B-HNO3-DRC	230			UDE-SL1201	9/18/2012	
1232023-23	B121449	Se-B-HNO3-DRC	231			UDE-SL1201	9/18/2012	
1232023-24	B121449	Se-B-HNO3-DRC	232			UDE-SL1201	9/18/2012	
1232023-25	B121449	Se-B-HNO3-DRC	233			UDE-SL1201	9/18/2012	
1200676-CCVJ	1200676	QC	234	1228003	-			

ANALYSIS SEQUENCE

Brooks Rand Labs

1200676

Instrument: ICP-MS-2

Lab Number	Batch #	Analysis	Order	STD ID	Source ID	BRL Project #	Due	Comments
1200676-CCBJ	1200676	QC	235		-			

ICP-MS Analysis Benchsheet

Batch No: B121449-121476-121538~~B121585-121535-121534-121475~~**BR-0060 standard / DRC mode (circle one)**

(BRL procedure for the analysis of samples by EPA Methods 1631, 200.8, 6020A, and 1640)

Analyst: TMUDate: 8/30/2012Instrument ID: ICP-MS2cHNO3 ID: 1229014 cHCI ID: NA

Calibration recorded in LIMS

Int Std: 1214031SEQ: 1200676

A/S #	Batch	Sample ID	Dilution	Comments
1		warm up		
1		warm up		
1		warm up		
1		SEQ-ICB1		
2		SEQ-CAL1		1228008(Se77 low cal out)
3		SEQ-CAL2		1228007
4		SEQ-CAL3		1228006
5		SEQ-CAL4		1228005
6		SEQ-CAL5		1228004
7		SEQ-CAL6		1228003
8		SEQ-CAL7		1228002
9		SEQ-CAL8		1228001
1		SEQ-ICB2		
10		SEQ-ICV1		1226014
1		SEQ-ICB3		
101		SEQ-IBL1		
102		SEQ-IBL2		
103		SEQ-IBL3		
104		SEQ-IBL4		
105		SEQ-SCV1	5x	NIST 1643e 1202032 or 1215030
5		SEQ-CCV1		
1		SEQ-CCB1		
106	B121475	B121475-BLK1	10x	
107	B121475	B121475-BLK2	10x	
108	B121475	B121475-BLK3	10x	
109	B121475	B121475-BLK4	10x	
110	B121475	B121475-BS1	10x	
111	B121475	B121475-SRM1	10x	
112	B121475	B121475-SRM2	10x	
5		SEQ-CCV2		1228005
1		SEQ-CCB2		
113	B121475	1233010-04	10x	
114	B121475	1233010-05	10x	
115	B121475	1233010-06	10x	
116	B121475	B121475-DUP1	10x	
117	B121475	B121475-MS1	10x	
118	B121475	B121475-MSD1	10x	
5		SEQ-CCV3		1228005
1		SEQ-CCB3		
119	B121534	B121534-BLK1	10x	*MW digestion prep

120	B121534	B121534-BLK2	10x	
121	B121534	B121534-BLK3	10x	
122	B121534	B121534-BLK4	10x	
123	B121534	B121534-SRM1	10x	
124	B121534	B121534-SRM2	10x	
125	B121534	1233046-01	10x	
126	B121534	B121534-DUP1	10x	
127	B121534	B121534-MS1	10x	
128	B121534	B121534-MSD1	10x	
5		SEQ-CCV4		1228005
1		SEQ-CCB4		
129	B121535	B121535 -xBLK1x		
130	B121535	B121535-BLK1		shares b/bs 1585 1538
131	B121535	B121535-BLK2		
132	B121535	B121535-BLK3		Samples rebatched due to misplacement
133	B121535	B121535-BLK4		
134	B121535	B121535-BS1		
135	B121535	B121535 -DUP1	50x	1232022-43
136	B121535	B121535 -MS1	50x	50 uL 1212076 to 5 mL
137	B121535	B121535 -MSD1	50x	50 uL 1212076 to 5 mL
5		SEQ-CCV5		1228005
1		SEQ-CCB5		
138	B121535	1232022 -44	50x	
139	B121535	1232022 -45	50x	
140	B121535	1232022 -46	50x	
141	B121535	1232022 -47	50x	
142	B121535	1232022 -48	50x	
143	B121535	1232022 -49	50x	
144	B121535	1232022 -50	50x	
5		SEQ-CCV6		1228005
1		SEQ-CCB6		
201	B121585	1234033-01	25x	
202	B121585	B121585-DUP1	25x	1234033-01
203	B121585	B121585-MS1	25x	50uL1227036+200uL1212076 to 5mL
204	B121585	B121585-MSD1	25x	50uL1227036+200uL1212076 to 5mL
205	B121585	1234033-02	25x	
206	B121585	B121585-DUP2	25x	1234033-02
207	B121585	B121585-MS2	25x	50uL1227036+200uL1212076 to 5mL
208	B121585	B121585-MSD2	25x	50uL1227036+200uL1212076 to 5mL
6		SEQ-CCV7		1228004
1		SEQ-CCB7		
209	B121585	1234033-03	25x	
210	B121585	1234033-04	25x	
211	B121585	1234033-05	25x	
212	B121585	1234033-06	25x	
213	B121585	1234033-07	25x	
214	B121585	1234033-08	25x	
6		SEQ-CCV8		1228004
1		SEQ-CCB8		
215	B121585	1234033-09		bottle blank
216	B121585	1234033-10		bottle blank
217	B121585	1234033-11		bottle blank

218	B121585	1234033-12		bottle blank
6		SEQ-CCV9		1228004
1		SEQ-CCB9		
219	B121538	1233048-01	5x	no historical
220	B121538	B121538-DUP1	5x	1233048-01
221	B121538	B121538-MS1	5x	50 uL 1212076 to 5 mL
222	B121538	B121538-MSD1	5x	50 uL 1212076 to 5 mL
223	B121538	1233048-02	5x	
224	B121538	1233048-03	5x	
225	B121538	1233048-04	5x	
226	B121538	1233048-05	5x	
227	B121538	1233048-06	5x	
228	B121538	1233048-07	5x	
6		SEQ-CCVA		1228004
1		SEQ-CCBA		
229	B121476	B121476-BLK1		
230	B121476	B121476-BLK2		
231	B121476	B121476-BLK3		
232	B121476	B121476-BLK4		
233	B121476	B121476-BS1		
234	B121476	1233002-01		total rinse blank
235	B121476	1233002-02		dissolved rinse blank?
236	B121476	1233002-03	50x	
237	B121476	B121476-MS1	50x	50 uL 1212076 to 5 mL
238	B121476	B121476-MSD1	50x	50 uL 1212076 to 5 mL
6		SEQ-CCVB		1228004
1		SEQ-CCBB		
239	B121476	B121476-DUP1	50x	
240	B121476	1233002-04	50x	
241	B121476	1233002-05	50x	
242	B121476	B121476-DUP2	50x	
243	B121476	B121476-MS2	50x	50 uL 1212076 to 5 mL
244	B121476	B121476-MSD2	50x	50 uL 1212076 to 5 mL
245	B121476	1233002-06	50x	
246	B121476	1233002-07	50x	
247	B121476	1233002-08	50x	
248	B121476	1233002-09	50x	
249	B121476	1233002-10	50x	
6		SEQ-CCVC		1228004
1		SEQ-CCBC		
250	B121476	1233002-11	50x	
251	B121476	1233002-12	50x	
252	B121476	1233002-13	50x	
253	B121476	1233002-14	50x	
254	B121476	1233002-17	50x	
255	B121476	B121476-DUP3	50x	
256	B121476	B121476-MS3	50x	50 uL 1212076 to 5 mL
257	B121476	B121476-MSD3	50x	50 uL 1212076 to 5 mL
258	B121476	1233002-18	50x	
259	B121476	B121476-DUP4	50x	
6		SEQ-CCVD		1228004
1		SEQ-CCBD		

260	B121476	B121476-MS4	50x	50 uL 1212076 to 5 mL
301	B121476	B121476-MSD4	50x	50 uL 1212076 to 5 mL
302	B121476	1233002-19	50x	
303	B121476	1233002-20	50x	
304	B121476	1233002-21	50x	
305	B121476	1233002-22	50x	
306	B121476	1233002-23	50x	
307	B121476	1233002-24	50x	
308	B121476	1233002-25	50x	
309	B121476	1233002-26	50x	
7		SEQ-CCVE		1228003
1		SEQ-CCBE		
310	B121449	B121449-BLK1	10x	
311	B121449	B121449-BLK2	10x	
312	B121449	B121449-BLK3	10x	
313	B121449	B121449-BLK4	10x	
314	B121449	B121449-BS1	10x	
315	B121449	B121449-SRM1	10x	
316	B121449	B121449-SRM2	10x	
317	B121449	1232023-01	10x	
318	B121449	B121449-DUP1	10x	
7		SEQ-CCVF		1228003
1		SEQ-CCBF		
319	B121449	B121449-MS1	10x	
320	B121449	B121449-MSD1	10x	
321	B121449	1232023-02	10x	
322	B121449	1232023-03	10x	
323	B121449	1232023-04	10x	
324	B121449	1232023-05	10x	
325	B121449	1232023-06	10x	
326	B121449	1232023-07	10x	
327	B121449	1232023-08	10x	
7		SEQ-CCVG		1228003
1		SEQ-CCBG		
328	B121449	1232023-09	10x	
329	B121449	1232023-10	10x	
330	B121449	1232023-11	10x	
331	B121449	B121449-DUP2	10x	
332	B121449	B121449-MS2	10x	
333	B121449	B121449-MSD2	10x	
334	B121449	1232023-12	10x	
335	B121449	1232023-13	10x	
336	B121449	1232023-14	10x	
337	B121449	1232023-15	10x	
7		SEQ-CCVH		1228003
1		SEQ-CCBH		
338	B121449	1232023-16	10x	
339	B121449	1232023-17	10x	
340	B121449	1232023-18	10x	
341	B121449	1232023-19	10x	
7		SEQ-CCVI		1228003
1		SEQ-CCBI		

342	B121449	1232023-20	10x	
343	B121449	1232023-21	10x	
344	B121449	B121449-DUP3	10x	
345	B121449	B121449-MS3	10x	
346	B121449	B121449-MSD3	10x	
347	B121449	1232023-22	10x	
348	B121449	1232023-23	10x	
349	B121449	1232023-24	10x	
350	B121449	1232023-25	10x	
7		SEQ-CCVJ		1228003
10		SEQ-CCBJ		
434	B121449	rinse		
434	B121449	rinse		
434	B121449	rinse		
434	B121449	rinse		
434	B121449	rinse		
434	B121449	rinse		
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434	B121449	rinse		
434	B121449	rinse		

Biota Preparation by HotBlock Digestion

Digestion by: HNO₃ / H₂O₂

Batch # B121449

Prepared By: CE

Preparation Date and Time*: 8/15/12 1820

Matrix: inverts / duckegg

Balance ID: BL-03

Date and Time of Finished Preparation: 8/16/12 1605

* Time is when the first reagents are added.

Sample ID	Sample Mass (g)	Notes	Sample ID	Sample Mass (g)	Notes
BLK1	---		1232023-12	0.556	
BLK2	---		1232023-13	0.540	
BLK3	---		1232023-14	0.552	
BLK4	---		1232023-15	0.525	
BS1	---		1232023-16	0.523	
SRM1	0.246	DOLT-4	1232023-17	0.563	
SRM2	0.255	TORT-2	1232023-18	0.590	
1232023-01	0.565		1232023-19	0.571	
DUP1	0.543		1232023-20	0.585	
MS1	0.548		1232023-21	0.538	
MSD1	0.583		DUP3	0.596	
1232023-02	0.556		MS3	0.525	
X 1232023-03	0.276		MSD3	0.521	
1232023-04	0.568 0.568		1232023-22	0.537	
1232023-05	0.551 0.551		1232023-23	0.553	
1232023-06	0.538		1232023-24	0.590	
1232023-07	0.509		1232023-25	0.500	Final wt. = 50mL
1232023-08	0.568				
1232023-09	0.536				
1232023-10	0.536				
1232023-11	0.539				
* 1232023-11	0.517				
DUP2	0.517	compu: 1232023-04			
MS2	0.570	SS3			
MSD2	0.514				

Sample ID	Spike ID	Spike Added (mL)	Analyte/Concentration	Spike Witness Initials/Date
BS1, MS/MSD1-3	1212014	0.075	Se 10ppm	MEL 8/15/12

Reagents Added (ID/Amount Added)
 0.1mL H₂O₂ (1107079)
 10mL HNO₃ (1226056)

Target Hotblock Temperature = 100 °C
 HotBlock Temperature*, Time On / Time Off, Date
M: 100 °C C: 99 °C 1600 8/15/12
 Thermometer ID: 010396
 timer set for 3.5 hrs.

Environ. Express tube lot #: 1202052

* Both measured and corrected temperatures must be recorded.

Final Dilution Volume 40 mL

SRM-Matrix-LIMS ID #
SRM1-DOLT-4-1201032
SRM2-TORT-2-1051005

Comments: 1232023-04
*: QC set/compu: 1232023-04 . X: Sample exhausted

B121449
biotas

Samples spiked:

Element	Target Conc. (mg/kg)	vol to spike directly to 0.5g sample	ppm	LIMS ID
Se DRC	1.500	0.075	10	12/2074

Sample Information

Report Title: QUANTITATIVE ANALYSIS REPORT

Batch ID:

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CAL3.080

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

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

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Calibration Type: External Calibration

Calibration

Analyte	MassCurve Type	Slope	Intercept	Correlation Coefficient	Std 1 Conc
AsO	91Weighted Linear	0.005	-0.000	0.999254	0.025000
Se	78Weighted Linear	0.001	-0.000	0.998043	0.050000
Se	77Weighted Linear	0.000	-0.000	0.999066	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: Thursday, August 30, 2012 16:20:11

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91		34	46	132.9			ug/L
Se	78		4	1	19.7			ug/L
Se	77		1	0	33.3			ug/L
Rh	103		237891	1010	0.4			ug/L
Br	79		8	5	66.7			ug/L
Cl	35		513	20	3.9			ug/L
C	13		1380	31	2.2			ug/L

Int Std % Recovery

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

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL1

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 16:21:51

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 2

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CAL1.078

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	39	9	23.6	0.000019	0.0246	ug/L
Se	78	4	9	1	15.2	0.000021	0.0482	ug/L
Se	77	1	4	1	29.5	0.000013	0.0953	ug/L
Rh	103	237891	241172	2475	1.0	241172.363880		ug/L
Br	79	8	3	4	114.6	-4.166670		ug/L
Cl	35	513	525	33	6.2	12.500737		ug/L
C	13	1380	1376	130	9.4	-4.166714		ug/L

Int Std % Recovery

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

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL2

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 16:23:32

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 3

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CAL2.079

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	74	9	11.4	0.000165	0.0512	ug/L
Se	78	4	16	2	15.5	0.000049	0.1036	ug/L
Se	77	1	4	0	9.4	0.000014	0.1005	ug/L
Rh	103	237891	240447	2075	0.9	240446.788603		ug/L
Br	79	8	3	3	100.0	-5.000003		ug/L
Cl	35	513	545	51	9.4	32.501972		ug/L
C	13	1380	1338	33	2.5	-41.672891		ug/L

Int Std % Recovery

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

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL3

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 16:25:12

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 4

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CAL3.080

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	352	4	1.1	0.001335	0.2641	ug/L
Se	78	4	36	2	6.6	0.000136	0.2772	ug/L
Se	77	1	9	2	18.2	0.000035	0.2428	ug/L
Rh	103	237891	237787	774	0.3	237787.226679		ug/L
Br	79	8	3	0	0.0	-5.000004		ug/L
Cl	35	513	545	30	5.6	32.501910		ug/L
C	13	1380	1374	43	3.1	-5.834185		ug/L

Int Std % Recovery

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

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL4

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 16:26:53

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CAL4.081

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1274	10	0.8	0.005110	0.9511	ug/L
Se	78	4	117	11	9.3	0.000467	0.9362	ug/L
Se	77	1	40	2	5.6	0.000161	1.0753	ug/L
Rh	103	237891	242500	147	0.1	242500.110453		ug/L
Br	79	8	7	4	57.3	-0.833334		ug/L
Cl	35	513	522	39	7.4	9.167229		ug/L
C	13	1380	1344	98	7.3	-35.838384		ug/L

Int Std % Recovery

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

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL5

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 16:28:33

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CAL5.082

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	6618	100	1.5	0.027185	4.9683	ug/L
Se	78	4	602	11	1.8	0.002469	4.9198	ug/L
Se	77	1	179	8	4.2	0.000736	4.8667	ug/L
Rh	103	237891	242166	1562	0.6	242166.476799		ug/L
Br	79	8	3	1	43.3	-4.166670		ug/L
Cl	35	513	493	14	2.8	-19.167735		ug/L
C	13	1380	1391	34	2.4	10.834992		ug/L

Int Std % Recovery

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

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL6

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 16:30:14

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 7

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CAL6.083

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	33993	405	1.2	0.140128	25.5219	ug/L
Se	78	4	3116	52	1.7	0.012842	25.5632	ug/L
Se	77	1	930	26	2.8	0.003835	25.3351	ug/L
Rh	103	237891	242411	4102	1.7	242410.869417		ug/L
Br	79	8	3	1	43.3	-4.166670		ug/L
Cl	35	513	544	23	4.2	31.668511		ug/L
C	13	1380	1418	93	6.5	37.506050		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: Thursday, August 30, 2012 16:31:54

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 8

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CAL7.084

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	168022	2142	1.3	0.695189	126.5326	ug/L
Se	78	4	15185	212	1.4	0.062822	125.0298	ug/L
Se	77	1	4602	9	0.2	0.019044	125.7691	ug/L
Rh	103	237891	241637	1483	0.6	241636.817609		ug/L
Br	79	8	3	1	43.3	-4.166670		ug/L
Cl	35	513	512	31	6.0	-0.833360		ug/L
C	13	1380	1421	29	2.0	40.839620		ug/L

Int Std % Recovery

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

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CAL8

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 16:33:35

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 9

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CAL8.085

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	645611	9975	1.5	2.632422	479.0727	ug/L
Se	78	4	58449	954	1.6	0.238315	474.2804	ug/L
Se	77	1	17755	256	1.4	0.072395	478.0917	ug/L
Rh	103	237891	245235	1636	0.7	245235.464030		ug/L
Br	79	8	19	8	41.9	11.666685		ug/L
Cl	35	513	531	8	1.4	18.334373		ug/L
C	13	1380	1399	28	2.0	19.169590		ug/L

Int Std % Recovery

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

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB2

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 16:35:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB2.086

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	338	97	28.8	0.001246	0.2479	ug/L
Se	78	4	89	23	26.1	0.000349	0.7003	ug/L
Se	77	1	25	7	29.4	0.000098	0.6561	ug/L
Rh	103	237891	242985	1591	0.7	242985.402037		ug/L
Br	79	8	2	3	173.2	-5.833337		ug/L
Cl	35	513	532	29	5.5	19.167784		ug/L
C	13	1380	1433	71	5.0	52.508275		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	102.142
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICV1

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 16:38:17

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 10

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICV1.087

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	7021	78	1.1	0.028182	5.1499	ug/L
Se	78	4	1259	18	1.5	0.005063	10.0827	ug/L
Se	77	1	378	6	1.6	0.001524	10.0710	ug/L
Rh	103	237891	247856	552	0.2	247855.859276		ug/L
Br	79	8	5	7	132.3	-2.500001		ug/L
Cl	35	513	525	13	2.5	12.500705		ug/L
C	13	1380	1376	49	3.6	-4.167244		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	104.189
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-ICB3

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 16:46:55

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB3.088

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	22	5	23.2	-0.000054	0.0114	ug/L
Se	78	4	5	0	6.9	0.000006	0.0182	ug/L
Se	77	1	2	0	24.7	0.000004	0.0364	ug/L
Rh	103	237891	240229	1318	0.5	240228.540600		ug/L
Br	79	8	3	3	100.0	-5.000003		ug/L
Cl	35	513	511	22	4.3	-1.666758		ug/L
C	13	1380	1327	36	2.7	-53.341260		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.983
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL1

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 16:48:36

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 101

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-IBL1.089

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	11	1	9.1	-0.000099	0.0032	ug/L
Se	78	4	5	1	15.3	0.000004	0.0130	ug/L
Se	77	1	1	1	100.3	0.000003	0.0270	ug/L
Rh	103	237891	241709	1386	0.6	241708.680733		ug/L
Br	79	8	2	1	86.6	-5.833337		ug/L
Cl	35	513	496	32	6.5	-16.667568		ug/L
C	13	1380	1375	45	3.3	-5.000716		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	101.605
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL2

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 16:50:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 102

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-IBL2.090

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	40	50	123.8	0.000024	0.0256	ug/L
Se	78	4	6	3	54.9	0.000008	0.0217	ug/L
Se	77	1	3	3	100.2	0.000008	0.0618	ug/L
Rh	103	237891	239521	423	0.2	239521.013082		ug/L
Br	79	8	1	1	173.2	-6.666671		ug/L
Cl	35	513	516	18	3.5	3.333519		ug/L
C	13	1380	1303	33	2.5	-77.511431		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.685
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL3

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 16:51:57

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 103

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-IBL3.091

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	9	3	29.0	-0.000108	0.0015	ug/L
Se	78	4	4	2	38.3	0.000002	0.0093	ug/L
Se	77	1	1	1	66.1	0.000001	0.0161	ug/L
Rh	103	237891	239106	3075	1.3	239106.472638		ug/L
Br	79	8	3	1	43.3	-4.166670		ug/L
Cl	35	513	515	39	7.6	2.500183		ug/L
C	13	1380	1384	40	2.9	4.167324		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.511
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-IBL4

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 16:53:37

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 104

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-IBL4.092

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	8	2	21.7	-0.000111	0.0010	ug/L
Se	78	4	2	1	33.4	-0.000007	-0.0087	ug/L
Se	77	1	1	0	33.3	-0.000000	0.0090	ug/L
Rh	103	237891	239803	2064	0.9	239802.602927		ug/L
Br	79	8	3	3	100.0	-5.000003		ug/L
Cl	35	513	504	50	9.8	-8.333724		ug/L
C	13	1380	1328	4	0.3	-52.507853		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.804
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-SCV1

Sample Description: 5x

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 16:55:18

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 105

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-SCV1.093

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	16184	220	1.4	0.065794	59.9726	ug/L
Se	78	4	284	13	4.7	0.001140	11.3758	ug/L
Se	77	1	84	2	2.8	0.000339	11.2513	ug/L
Rh	103	237891	245452	2515	1.0	245452.157642		ug/L
Br	79	8	10	4	43.3	2.500002		ug/L
Cl	35	513	516	18	3.5	3.333519		ug/L
C	13	1380	1344	55	4.1	-35.838627		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	103.179
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV1

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 16:57:00

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCV1.094

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1265	30	2.3	0.005182	0.9642	ug/L
Se	78	4	121	7	5.7	0.000494	0.9895	ug/L
Se	77	1	36	3	7.3	0.000150	0.9998	ug/L
Rh	103	237891	237662	3258	1.4	237661.865007		ug/L
Br	79	8	3	3	100.0	-5.000003		ug/L
Cl	35	513	466	16	3.5	-46.669183		ug/L
C	13	1380	1373	72	5.2	-6.667522		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.904
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB1

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 16:58:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCB1.095

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	7	5	75.6	-0.000115	0.0002	ug/L
Se	78	4	5	2	41.7	0.000003	0.0110	ug/L
Se	77	1	1	1	96.4	0.000000	0.0118	ug/L
Rh	103	237891	239682	7970	3.3	239681.562606		ug/L
Br	79	8	1	1	173.2	-6.666671		ug/L
Cl	35	513	498	19	3.8	-14.167456		ug/L
C	13	1380	1365	28	2.1	-15.002270		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.753
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121475-BLK1

Sample Description: 10x

Batch ID: B121475

Sample Date/Time: Thursday, August 30, 2012 17:13:47

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 106

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121475-BLK1.096

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	8	3	36.7	-0.000109	0.0130	ug/L
Se	78	4	3	1	38.9	-0.000003	0.0037	ug/L
Se	77	1	1	0	25.0	0.000001	0.1602	ug/L
Rh	103	237891	238011	943	0.4	238011.321421		ug/L
Br	79	8	5	5	100.0	-2.500002		ug/L
Cl	35	513	498	37	7.4	-15.000798		ug/L
C	13	1380	1255	53	4.2	-125.018050		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.051
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121475-BLK2
Sample Description: 10x
Batch ID: B121475

Sample Date/Time: Thursday, August 30, 2012 17:15:27
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 107

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121475-BLK2.097
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	3	2	57.7	-0.000132	-0.0279	ug/L
Se	78	4	3	2	57.9	-0.000003	-0.0038	ug/L
Se	77	1	1	0	25.0	0.000001	0.1585	ug/L
Rh	103	237891	239394	1360	0.6	239393.614744		ug/L
Br	79	8	10	5	50.0	2.500002		ug/L
Cl	35	513	481	43	8.9	-31.668344		ug/L
C	13	1380	1299	16	1.3	-80.845271		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.632
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121475-BLK3

Sample Description: 10x

Batch ID: B121475

Sample Date/Time: Thursday, August 30, 2012 17:17:08

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 108

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121475-BLK3.098

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	4	3	68.6	-0.000129	-0.0224	ug/L
Se	78	4	3	1	30.2	-0.000005	-0.0413	ug/L
Se	77	1	1	0	43.3	0.000001	0.1631	ug/L
Rh	103	237891	235436	1622	0.7	235435.599651		ug/L
Br	79	8	9	4	41.7	1.666668		ug/L
Cl	35	513	469	20	4.3	-43.335673		ug/L
C	13	1380	1328	27	2.0	-52.507827		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	98.968
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121475-BLK4

Sample Description: 10x

Batch ID: B121475

Sample Date/Time: Thursday, August 30, 2012 17:18:48

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 109

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121475-BLK4.099

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	8	3	39.8	-0.000112	0.0085	ug/L
Se	78	4	3	1	25.5	-0.000004	-0.0144	ug/L
Se	77	1	1	0	35.3	0.000001	0.1863	ug/L
Rh	103	237891	235827	265	0.1	235827.130358		ug/L
Br	79	8	6	5	89.2	-1.666668		ug/L
Cl	35	513	490	33	6.7	-22.501215		ug/L
C	13	1380	1315	117	8.9	-65.009169		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.133
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121475-BS1

Sample Description: 10x

Batch ID: B121475

Sample Date/Time: Thursday, August 30, 2012 17:20:29

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 110

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121475-BS1.100

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	647	27	4.1	0.002614	4.9689	ug/L
Se	78	4	3	1	25.9	-0.000003	-0.0069	ug/L
Se	77	1	2	0	18.2	0.000004	0.3279	ug/L
Rh	103	237891	234667	2433	1.0	234667.056707		ug/L
Br	79	8	4	5	124.9	-3.333335		ug/L
Cl	35	513	533	28	5.2	20.001163		ug/L
C	13	1380	1351	54	4.0	-29.170976		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	98.645
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121475-SRM1

Sample Description: 10x

Batch ID: B121475

Sample Date/Time: Thursday, August 30, 2012 17:22:09

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 111

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121475-SRM1.101

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	5160	73	1.4	0.022232	40.6694	ug/L
Se	78	4	259	6	2.4	0.001107	22.0833	ug/L
Se	77	1	77	5	5.9	0.000331	21.9747	ug/L
Rh	103	237891	230614	1670	0.7	230613.504981		ug/L
Br	79	8	281	22	8.0	273.337686		ug/L
Cl	35	513	480	77	15.9	-32.501574		ug/L
C	13	1380	1338	98	7.3	-41.672578		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	96.941
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121475-SRM2

Sample Description: 10x

Batch ID: B121475

Sample Date/Time: Thursday, August 30, 2012 17:23:50

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 112

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121475-SRM2.102

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	15907	180	1.1	0.068330	124.5598	ug/L
Se	78	4	394	24	6.1	0.001681	33.5099	ug/L
Se	77	1	114	6	5.2	0.000489	32.4022	ug/L
Rh	103	237891	232312	2978	1.3	232311.985736		ug/L
Br	79	8	444	22	4.9	436.677531		ug/L
Cl	35	513	458	39	8.5	-54.169518		ug/L
C	13	1380	1318	72	5.4	-61.675665		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	97.655
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV2

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 17:25:31

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCV2.103

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1300	27	2.1	0.005362	0.9970	ug/L
Se	78	4	119	4	3.5	0.000488	0.9765	ug/L
Se	77	1	36	3	8.2	0.000151	1.0045	ug/L
Rh	103	237891	236024	2409	1.0	236024.010943		ug/L
Br	79	8	21	17	79.9	13.333363		ug/L
Cl	35	513	499	32	6.4	-13.334053		ug/L
C	13	1380	1321	36	2.7	-59.175443		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.215
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB2

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 17:27:13

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCB2.104

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	7	1	14.3	-0.000115	0.0003	ug/L
Se	78	4	3	0	11.5	-0.000002	0.0018	ug/L
Se	77	1	1	0	20.0	0.000002	0.0230	ug/L
Rh	103	237891	237986	27	0.0	237985.630512		ug/L
Br	79	8	10	15	152.1	2.500010		ug/L
Cl	35	513	481	11	2.3	-31.668407		ug/L
C	13	1380	1304	46	3.6	-75.844485		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.040
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233010-04
Sample Description: 10x
Batch ID: B121475

Sample Date/Time: Thursday, August 30, 2012 17:28:55
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 113

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233010-04.105
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	63	10	15.3	0.000126	0.4415	ug/L
Se	78	4	74	3	4.4	0.000302	6.0652	ug/L
Se	77	1	20	1	5.1	0.000084	5.6414	ug/L
Rh	103	237891	233167	2028	0.9	233167.472802		ug/L
Br	79	8	62	11	18.3	54.166876		ug/L
Cl	35	513	488	13	2.6	-24.168006		ug/L
C	13	1380	1256	38	3.1	-124.184650		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	98.015
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233010-05
Sample Description: 10x
Batch ID: B121475

Sample Date/Time: Thursday, August 30, 2012 17:30:35
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 114

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233010-05.106
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	53	13	25.3	0.000081	0.3586	ug/L
Se	78	4	77	1	1.8	0.000315	6.3273	ug/L
Se	77	1	25	2	7.9	0.000102	6.8515	ug/L
Rh	103	237891	233691	3167	1.4	233690.866322		ug/L
Br	79	8	56	3	5.2	48.333501		ug/L
Cl	35	513	520	24	4.6	7.500432		ug/L
C	13	1380	1341	92	6.9	-39.172252		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	98.235
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233010-06
Sample Description: 10x
Batch ID: B121475

Sample Date/Time: Thursday, August 30, 2012 17:32:16
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 115

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233010-06.107
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	65	3	4.1	0.000134	0.4556	ug/L
Se	78	4	75	2	3.3	0.000306	6.1467	ug/L
Se	77	1	21	2	9.1	0.000089	5.9363	ug/L
Rh	103	237891	233637	2756	1.2	233636.920183		ug/L
Br	79	8	45	9	20.0	37.500110		ug/L
Cl	35	513	498	25	5.1	-14.167446		ug/L
C	13	1380	1263	17	1.3	-116.683654		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	98.212
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121475-DUP1

Sample Description: 10x

Batch ID: B121475

Sample Date/Time: Thursday, August 30, 2012 17:33:56

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 116

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121475-DUP1.108

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	56	13	23.4	0.000091	0.3773	ug/L
Se	78	4	72	5	7.2	0.000285	5.7249	ug/L
Se	77	1	21	1	4.7	0.000086	5.7995	ug/L
Rh	103	237891	238118	280	0.1	238118.204459		ug/L
Br	79	8	31	14	44.7	23.333389		ug/L
Cl	35	513	471	45	9.6	-41.668859		ug/L
C	13	1380	1316	80	6.1	-64.175980		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.096
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121475-MS1

Sample Description: 10x

Batch ID: B121475

Sample Date/Time: Thursday, August 30, 2012 17:35:37

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 117

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121475-MS1.109

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	725	27	3.7	0.002930	5.5445	ug/L
Se	78	4	66	4	5.6	0.000262	5.2753	ug/L
Se	77	1	21	3	13.3	0.000084	5.6487	ug/L
Rh	103	237891	235846	1092	0.5	235845.982999		ug/L
Br	79	8	54	14	25.4	46.666831		ug/L
Cl	35	513	445	20	4.4	-67.503556		ug/L
C	13	1380	1283	32	2.5	-96.680826		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.140
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121475-MSD1

Sample Description: 10x

Batch ID: B121475

Sample Date/Time: Thursday, August 30, 2012 17:37:17

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 118

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121475-MSD1.110

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	723	15	2.0	0.002971	5.6192	ug/L
Se	78	4	79	4	5.4	0.000325	6.5378	ug/L
Se	77	1	26	3	10.4	0.000108	7.1903	ug/L
Rh	103	237891	231954	239	0.1	231953.527374		ug/L
Br	79	8	38	4	10.0	30.833411		ug/L
Cl	35	513	474	10	2.2	-38.335424		ug/L
C	13	1380	1264	52	4.1	-115.850116		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	97.504
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: Thursday, August 30, 2012 17:39:00

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCV3.111

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1244	65	5.2	0.005135	0.9556	ug/L
Se	78	4	115	9	8.2	0.000471	0.9432	ug/L
Se	77	1	34	3	7.5	0.000140	0.9366	ug/L
Rh	103	237891	235578	1554	0.7	235577.532079		ug/L
Br	79	8	7	1	21.7	-0.833335		ug/L
Cl	35	513	470	25	5.2	-42.502289		ug/L
C	13	1380	1333	11	0.8	-47.507117		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.028
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB3

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 17:40:41

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCB3.112

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	3	1	43.3	-0.000133	-0.0030	ug/L
Se	78	4	3	1	25.6	-0.000004	-0.0018	ug/L
Se	77	1	1	0	57.7	0.000000	0.0098	ug/L
Rh	103	237891	231199	3508	1.5	231199.274138		ug/L
Br	79	8	1	1	173.2	-6.666671		ug/L
Cl	35	513	514	31	6.0	1.666781		ug/L
C	13	1380	1253	20	1.6	-126.685034		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	97.187
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121534-BLK1

Sample Description: 10x

Batch ID: B121534

Sample Date/Time: Thursday, August 30, 2012 17:42:24

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 119

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121534-BLK1.113

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	6	2	27.0	-0.000120	-0.0059	ug/L
Se	78	4	3	1	30.0	-0.000003	-0.0086	ug/L
Se	77	1	1	0	45.8	0.000000	0.1225	ug/L
Rh	103	237891	230170	2590	1.1	230170.116703		ug/L
Br	79	8	8			-0.000001		ug/L
Cl	35	513	464	33	7.2	-48.335904		ug/L
C	13	1380	1280	48	3.7	-100.014582		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	96.755
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121534-BLK2
Sample Description: 10x
Batch ID: B121534

Sample Date/Time: Thursday, August 30, 2012 17:44:05
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 120

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121534-BLK2.114
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	5	2	40.0	-0.000123	-0.0112	ug/L
Se	78	4	3	1	22.7	-0.000003	-0.0093	ug/L
Se	77	1	1	1	69.3	0.000000	0.1210	ug/L
Rh	103	237891	230998	1151	0.5	230998.033168		ug/L
Br	79	8	4	1	34.6	-3.333336		ug/L
Cl	35	513	448	23	5.2	-64.170053		ug/L
C	13	1380	1300	31	2.4	-80.011793		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	97.103
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121534-BLK3
Sample Description: 10x
Batch ID: B121534

Sample Date/Time: Thursday, August 30, 2012 17:45:45
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 121

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121534-BLK3.115
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	4	4	103.3	-0.000128	-0.0210	ug/L
Se	78	4	3	1	27.8	-0.000005	-0.0401	ug/L
Se	77	1	1	1	62.4	0.000001	0.1257	ug/L
Rh	103	237891	226264	2264	1.0	226263.813424		ug/L
Br	79	8	4	3	69.3	-3.333336		ug/L
Cl	35	513	489	23	4.6	-23.334615		ug/L
C	13	1380	1315	111	8.5	-65.009216		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	95.112
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121534-BLK4

Sample Description: 10x

Batch ID: B121534

Sample Date/Time: Thursday, August 30, 2012 17:47:26

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 122

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121534-BLK4.116

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	3	2	69.3	-0.000130	-0.0246	ug/L
Se	78	4	3	1	24.0	-0.000005	-0.0336	ug/L
Se	77	1	1	0	21.7	0.000003	0.2595	ug/L
Rh	103	237891	233530	1987	0.9	233529.927801		ug/L
Br	79	8	3	4	114.6	-4.166670		ug/L
Cl	35	513	463	27	5.8	-50.002669		ug/L
C	13	1380	1187	38	3.2	-193.360609		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	98.167
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121534-SRM1

Sample Description: 10x

Batch ID: B121534

Sample Date/Time: Thursday, August 30, 2012 17:49:06

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 123

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121534-SRM1.117

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	662	31	4.7	0.002810	5.3265	ug/L
Se	78	4	74	3	4.5	0.000313	6.2912	ug/L
Se	77	1	23	2	9.4	0.000098	6.5942	ug/L
Rh	103	237891	223907	1423	0.6	223907.256232		ug/L
Br	79	8	44	10	23.6	36.666774		ug/L
Cl	35	513	495	20	3.9	-17.500970		ug/L
C	13	1380	1218	104	8.6	-162.522853		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	94.122
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121534-SRM2

Sample Description: 10x

Batch ID: B121534

Sample Date/Time: Thursday, August 30, 2012 17:50:47

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 124

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121534-SRM2.118

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	59295	863	1.5	0.269055	489.8407	ug/L
Se	78	4	1401	45	3.2	0.006344	126.3192	ug/L
Se	77	1	417	7	1.7	0.001892	125.0093	ug/L
Rh	103	237891	220260	1909	0.9	220259.815915		ug/L
Br	79	8	1466	146	10.0	1458.452296		ug/L
Cl	35	513	450	31	6.8	-62.503289		ug/L
C	13	1380	1175	16	1.3	-205.028836		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.589
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233046-01
Sample Description: 10x
Batch ID: B121534

Sample Date/Time: Thursday, August 30, 2012 17:52:27
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 125

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233046-01.119
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	24698	489	2.0	0.102809	187.3051	ug/L
Se	78	4	69	3	4.7	0.000270	5.4279	ug/L
Se	77	1	19	1	3.9	0.000076	5.1131	ug/L
Rh	103	237891	239885	831	0.3	239884.598240		ug/L
Br	79	8	615	44	7.2	607.520871		ug/L
Cl	35	513	476	43	9.0	-36.668608		ug/L
C	13	1380	1443	70	4.8	63.343314		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.838
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121534-DUP1

Sample Description: 10x

Batch ID: B121534

Sample Date/Time: Thursday, August 30, 2012 17:54:08

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 126

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121534-DUP1.120

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	8	3	36.7	-0.000110	0.0111	ug/L
Se	78	4	3	1	31.1	-0.000003	0.0019	ug/L
Se	77	1	1	1	56.8	0.000001	0.1299	ug/L
Rh	103	237891	245532	1371	0.6	245531.603813		ug/L
Br	79	8	27	10	39.0	19.166706		ug/L
Cl	35	513	520	36	7.0	7.500460		ug/L
C	13	1380	1442	85	5.9	61.676471		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	103.212
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121534-MS1

Sample Description: 10x

Batch ID: B121534

Sample Date/Time: Thursday, August 30, 2012 17:55:48

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 127

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121534-MS1.121

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	14497	271	1.9	0.059560	108.6006	ug/L
Se	78	4	42	3	6.4	0.000155	3.1464	ug/L
Se	77	1	12	2	17.2	0.000047	3.1691	ug/L
Rh	103	237891	242823	1663	0.7	242822.818360		ug/L
Br	79	8	293	29	9.9	285.838093		ug/L
Cl	35	513	554	19	3.4	41.669110		ug/L
C	13	1380	1482	24	1.6	101.682657		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	102.073
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121534-MSD1

Sample Description: 10x

Batch ID: B121534

Sample Date/Time: Thursday, August 30, 2012 17:57:29

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 128

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121534-MSD1.122

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	25116	553	2.2	0.104352	190.1133	ug/L
Se	78	4	102	8	7.5	0.000408	8.1755	ug/L
Se	77	1	28	1	5.2	0.000115	7.6679	ug/L
Rh	103	237891	240341	1017	0.4	240340.586335		ug/L
Br	79	8	230	9	3.9	222.502909		ug/L
Cl	35	513	519	42	8.1	6.667095		ug/L
C	13	1380	1476	69	4.7	95.848527		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	101.030
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: Thursday, August 30, 2012 17:59:11

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCV4.123

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1303	33	2.5	0.005211	0.9695	ug/L
Se	78	4	128	5	3.6	0.000510	1.0211	ug/L
Se	77	1	43	4	8.6	0.000172	1.1440	ug/L
Rh	103	237891	243380	969	0.4	243379.856313		ug/L
Br	79	8	13	7	54.1	5.833341		ug/L
Cl	35	513	589	15	2.6	76.671306		ug/L
C	13	1380	1523	84	5.5	142.522973		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	102.307
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: Thursday, August 30, 2012 18:00:53

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCB4.124

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	4	2	50.0	-0.000128	-0.0021	ug/L
Se	78	4	5	2	47.8	0.000003	0.0114	ug/L
Se	77	1	2	1	34.6	0.000004	0.0334	ug/L
Rh	103	237891	243682	1133	0.5	243681.968449		ug/L
Br	79	8	8	3	33.3	-0.000001		ug/L
Cl	35	513	539	43	8.0	26.668262		ug/L
C	13	1380	1575	39	2.5	195.031718		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	102.434
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121535-xBLK1x

Sample Description:

Batch ID: B121535

Sample Date/Time: Thursday, August 30, 2012 18:02:35

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 129

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121535-BLK1.125

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	21753	313	1.4	0.087901	16.0176	ug/L
Se	78	4	93	7	7.8	0.000361	0.7237	ug/L
Se	77	1	27	1	4.2	0.000105	0.7055	ug/L
Rh	103	237891	247074	2203	0.9	247074.338716		ug/L
Br	79	8	616	29	4.7	608.354219		ug/L
Cl	35	513	564	58	10.3	51.669835		ug/L
C	13	1380	1576	34	2.2	195.865182		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	103.860
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121535-BLK1

Sample Description:

Batch ID: B121535

Sample Date/Time: Thursday, August 30, 2012 18:04:16

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 130

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121535-BLK2.126

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	7	5	64.4	-0.000115	0.0003	ug/L
Se	78	4	2	1	30.2	-0.000006	-0.0066	ug/L
Se	77	1	1	0	31.5	0.000001	0.0130	ug/L
Rh	103	237891	246127	3291	1.3	246126.861522		ug/L
Br	79	8	17	6	37.7	9.166679		ug/L
Cl	35	513	606	63	10.4	93.339204		ug/L
C	13	1380	1561	70	4.5	180.862733		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	103.462
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121535-BLK2

Sample Description:

Batch ID: B121535

Sample Date/Time: Thursday, August 30, 2012 18:05:57

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 131

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121535-BLK3.127

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	6	1	16.7	-0.000120	-0.0006	ug/L
Se	78	4	3	0	14.5	-0.000004	-0.0024	ug/L
Se	77	1	1	0	34.6	0.000002	0.0218	ug/L
Rh	103	237891	246289	1013	0.4	246289.157356		ug/L
Br	79	8	7	6	94.4	-0.833333		ug/L
Cl	35	513	582	36	6.3	69.170863		ug/L
C	13	1380	1533	65	4.3	152.524553		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	103.530
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121535-BLK3

Sample Description:

Batch ID: B121535

Sample Date/Time: Thursday, August 30, 2012 18:07:37

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 132

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121535-BLK4.128

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	24	33	140.3	-0.000048	0.0125	ug/L
Se	78	4	3	1	14.5	-0.000002	0.0017	ug/L
Se	77	1	1	0	24.7	0.000002	0.0197	ug/L
Rh	103	237891	245139	308	0.1	245138.647166		ug/L
Br	79	8	3	4	114.6	-4.166670		ug/L
Cl	35	513	611	19	3.2	98.339408		ug/L
C	13	1380	1539	68	4.4	159.192359		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	103.047
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121535-BLK4

Sample Description:

Batch ID: B121535

Sample Date/Time: Thursday, August 30, 2012 18:09:18

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 133

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121535-BS1.129

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	5	2	44.6	-0.000126	-0.0016	ug/L
Se	78	4	2	0	13.7	-0.000008	-0.0093	ug/L
Se	77	1	1	0	57.7	-0.000000	0.0083	ug/L
Rh	103	237891	247791	1064	0.4	247790.817584		ug/L
Br	79	8	6	4	65.5	-1.666668		ug/L
Cl	35	513	528	24	4.5	15.834246		ug/L
C	13	1380	1562	121	7.7	181.696562		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	104.162
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121535-BS1

Sample Description:

Batch ID: B121535

Sample Date/Time: Thursday, August 30, 2012 18:10:58

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 134

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232022-43.130

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	5594	98	1.8	0.021939	4.0137	ug/L
Se	78	4	532	14	2.6	0.002086	4.1568	ug/L
Se	77	1	164	2	1.5	0.000643	4.2550	ug/L
Rh	103	237891	253316	369	0.1	253315.798246		ug/L
Br	79	8	5	5	100.0	-2.500002		ug/L
Cl	35	513	546	47	8.6	33.335340		ug/L
C	13	1380	1496	123	8.2	115.852176		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	106.484
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121535-DUP1

Sample Description: 50x

Batch ID: B121535

Sample Date/Time: Thursday, August 30, 2012 18:12:39

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 135

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121535-DUP1.131

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	70	7	10.4	0.000182	2.7131	ug/L
Se	78	4	5	1	20.4	0.000007	0.9881	ug/L
Se	77	1	2	1	48.2	0.000004	1.8601	ug/L
Rh	103	237891	213571	1880	0.9	213571.365692		ug/L
Br	79	8	1723	61	3.6	1715.996827		ug/L
Cl	35	513	513	52	10.2	0.000086		ug/L
C	13	1380	1296	62	4.8	-84.178950		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	89.777
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121535-MS1

Sample Description: 50x

Batch ID: B121535

Sample Date/Time: Thursday, August 30, 2012 18:14:19

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 136

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121535-MS1.132

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	60	5	8.7	0.000153	2.4476	ug/L
Se	78	4	3	1	25.3	0.000001	0.3754	ug/L
Se	77	1	1	0	12.4	0.000003	1.3206	ug/L
Rh	103	237891	202283	2301	1.1	202282.595594		ug/L
Br	79	8	1709	35	2.0	1701.827392		ug/L
Cl	35	513	494	66	13.4	-18.334201		ug/L
C	13	1380	1245	61	4.9	-135.019393		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	85.032
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121535-MSD1

Sample Description: 50x

Batch ID: B121535

Sample Date/Time: Thursday, August 30, 2012 18:16:00

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 137

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121535-MSD1.133

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	63	2	2.7	0.000175	2.6548	ug/L
Se	78	4	97	3	3.1	0.000475	47.5467	ug/L
Se	77	1	29	3	9.7	0.000142	47.4178	ug/L
Rh	103	237891	197146	1783	0.9	197145.668994		ug/L
Br	79	8	1646	63	3.8	1638.482470		ug/L
Cl	35	513	457	22	4.8	-55.836307		ug/L
C	13	1380	1171	38	3.3	-209.195996		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	82.872
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: Thursday, August 30, 2012 18:17:42

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCV5.134

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1218	42	3.5	0.005121	0.9532	ug/L
Se	78	4	110	8	7.6	0.000459	0.9186	ug/L
Se	77	1	35	5	14.9	0.000146	0.9749	ug/L
Rh	103	237891	231303	1989	0.9	231303.240992		ug/L
Br	79	8	58	30	51.1	50.833549		ug/L
Cl	35	513	473	31	6.5	-40.002147		ug/L
C	13	1380	1321	72	5.4	-59.175303		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	97.231
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: Thursday, August 30, 2012 18:19:24

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCB5.135

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	4	3	74.2	-0.000126	-0.0017	ug/L
Se	78	4	3	0	0.6	-0.000004	-0.0016	ug/L
Se	77	1	1	1	47.2	0.000002	0.0254	ug/L
Rh	103	237891	237485	1599	0.7	237485.391095		ug/L
Br	79	8	32	6	19.9	24.166719		ug/L
Cl	35	513	513	42	8.2	0.833431		ug/L
C	13	1380	1436	34	2.3	55.841988		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.830
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232022-44
Sample Description: 50x
Batch ID: B121535

Sample Date/Time: Thursday, August 30, 2012 18:21:06
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 138

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232022-44.136
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	60	6	9.5	0.000156	2.4839	ug/L
Se	78	4	98	1	1.5	0.000479	47.9826	ug/L
Se	77	1	31	3	8.0	0.000154	51.3371	ug/L
Rh	103	237891	198392	3256	1.6	198391.771520		ug/L
Br	79	8	1653	49	2.9	1645.983772		ug/L
Cl	35	513	493	27	5.4	-19.167715		ug/L
C	13	1380	1213	35	2.9	-167.523876		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	83.396
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232022-45
Sample Description: 50x
Batch ID: B121535

Sample Date/Time: Thursday, August 30, 2012 18:22:46
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 139

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232022-45.137
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	50	6	11.8	0.000118	2.1291	ug/L
Se	78	4	3	0	5.1	-0.000002	0.1473	ug/L
Se	77	1	2	1	32.9	0.000005	2.1661	ug/L
Rh	103	237891	189674	2685	1.4	189674.360681		ug/L
Br	79	8	1520	39	2.6	1512.627134		ug/L
Cl	35	513	467	44	9.5	-45.835745		ug/L
C	13	1380	1163	63	5.4	-217.530309		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	79.732
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232022-46
Sample Description: 50x
Batch ID: B121535

Sample Date/Time: Thursday, August 30, 2012 18:24:27
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 140

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232022-46.138
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	53	5	8.6	0.000140	2.3319	ug/L
Se	78	4	2	0	10.2	-0.000003	0.0023	ug/L
Se	77	1	1	1	63.0	0.000002	1.0529	ug/L
Rh	103	237891	185462	1806	1.0	185461.968260		ug/L
Br	79	8	1553	118	7.6	1545.133078		ug/L
Cl	35	513	432	19	4.4	-80.837533		ug/L
C	13	1380	1085	52	4.8	-295.039933		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	77.961
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232022-47

Sample Description: 50x

Batch ID: B121535

Sample Date/Time: Thursday, August 30, 2012 18:26:07

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 141

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232022-47.139

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	44	12	28.4	0.000098	1.9499	ug/L
Se	78	4	2	1	28.8	-0.000005	-0.1517	ug/L
Se	77	1	1	0	43.3	0.000002	1.2299	ug/L
Rh	103	237891	181455	1423	0.8	181454.765098		ug/L
Br	79	8	1501	29	1.9	1493.457258		ug/L
Cl	35	513	447	43	9.5	-65.836755		ug/L
C	13	1380	1208	82	6.8	-172.524338		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	76.277
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232022-48
Sample Description: 50x
Batch ID: B121535

Sample Date/Time: Thursday, August 30, 2012 18:27:48
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 142

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232022-48.140
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	54	3	6.4	0.000156	2.4754	ug/L
Se	78	4	2	1	30.5	-0.000003	0.0396	ug/L
Se	77	1	2	1	40.5	0.000009	3.3851	ug/L
Rh	103	237891	180146	2758	1.5	180145.984495		ug/L
Br	79	8	1498	64	4.3	1490.956964		ug/L
Cl	35	513	433	17	3.8	-79.170790		ug/L
C	13	1380	1163	23	2.0	-216.696994		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	75.726
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232022-49
Sample Description: 50x
Batch ID: B121535

Sample Date/Time: Thursday, August 30, 2012 18:29:29
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 143

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232022-49.141
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	46	4	8.7	0.000113	2.0915	ug/L
Se	78	4	4	0	7.2	0.000005	0.7774	ug/L
Se	77	1	1	1	39.0	0.000004	1.8726	ug/L
Rh	103	237891	179676	2327	1.3	179675.906491		ug/L
Br	79	8	1474	93	6.3	1466.786510		ug/L
Cl	35	513	435	30	7.0	-77.504020		ug/L
C	13	1380	1168	80	6.9	-212.529574		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	75.529
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232022-50
Sample Description: 50x
Batch ID: B121535

Sample Date/Time: Thursday, August 30, 2012 18:31:09
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 144

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232022-50.142
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	48	4	7.9	0.000120	2.1538	ug/L
Se	78	4	2	1	40.4	-0.000003	-0.0166	ug/L
Se	77	1	1	1	66.7	0.000001	0.7920	ug/L
Rh	103	237891	180198	1423	0.8	180198.477631		ug/L
Br	79	8	1448	92	6.4	1440.949021		ug/L
Cl	35	513	425	26	6.1	-87.504502		ug/L
C	13	1380	1142	38	3.3	-238.366373		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	75.748
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: Thursday, August 30, 2012 18:32:52

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 5

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCV6.143

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1140	52	4.6	0.005043	0.9389	ug/L
Se	78	4	99	7	6.7	0.000434	0.8689	ug/L
Se	77	1	31	1	3.3	0.000139	0.9248	ug/L
Rh	103	237891	219807	2032	0.9	219807.412251		ug/L
Br	79	8	53	17	31.9	45.833496		ug/L
Cl	35	513	439	23	5.3	-73.337167		ug/L
C	13	1380	1360	44	3.2	-20.002979		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.398
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: Thursday, August 30, 2012 18:34:34

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCB6.144

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	4	3	87.7	-0.000128	-0.0021	ug/L
Se	78	4	3	1	19.6	-0.000004	-0.0028	ug/L
Se	77	1	1	1	95.8	0.000001	0.0153	ug/L
Rh	103	237891	222796	2660	1.2	222796.472458		ug/L
Br	79	8	27	6	21.7	19.166703		ug/L
Cl	35	513	444	32	7.2	-68.336906		ug/L
C	13	1380	1301	64	4.9	-79.178227		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	93.655
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1234033-01

Sample Description: 25x

Batch ID: B121585

Sample Date/Time: Thursday, August 30, 2012 18:36:16

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 201

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1234033-01.145

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	15	3	20.0	-0.000079	0.1685	ug/L
Se	78	4	20	3	15.8	0.000072	3.7460	ug/L
Se	77	1	12	0	3.8	0.000047	7.9253	ug/L
Rh	103	237891	231049	1551	0.7	231049.350998		ug/L
Br	79	8	128	40	31.6	120.000949		ug/L
Cl	35	513	498	24	4.8	-15.000827		ug/L
C	13	1380	1378	67	4.9	-2.500249		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	97.124
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121585-DUP1

Sample Description: 25x

Batch ID: B121585

Sample Date/Time: Thursday, August 30, 2012 18:37:57

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 202

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121585-DUP1.146

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	12	1	9.9	-0.000095	0.0990	ug/L
Se	78	4	20	1	3.4	0.000067	3.4752	ug/L
Se	77	1	10	1	9.7	0.000041	7.0212	ug/L
Rh	103	237891	235196	1324	0.6	235196.155776		ug/L
Br	79	8	119	8	6.7	111.667446		ug/L
Cl	35	513	480	57	11.8	-32.501672		ug/L
C	13	1380	1314	20	1.5	-65.843109		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	98.867
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121585-MS1

Sample Description: 25x

Batch ID: B121585

Sample Date/Time: Thursday, August 30, 2012 18:39:37

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 203

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121585-MS1.147

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1304	34	2.6	0.005349	24.8662	ug/L
Se	78	4	478	12	2.4	0.001995	99.4199	ug/L
Se	77	1	150	7	4.7	0.000630	104.1900	ug/L
Rh	103	237891	237449	1231	0.5	237449.433233		ug/L
Br	79	8	116	14	11.9	108.334074		ug/L
Cl	35	513	526	23	4.3	13.334099		ug/L
C	13	1380	1363	80	5.9	-17.502437		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.814
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121585-MSD1

Sample Description: 25x

Batch ID: B121585

Sample Date/Time: Thursday, August 30, 2012 18:41:18

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 204

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121585-MSD1.148

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1356	22	1.6	0.005561	25.8294	ug/L
Se	78	4	484	10	2.0	0.002018	100.5317	ug/L
Se	77	1	149	11	7.1	0.000621	102.8159	ug/L
Rh	103	237891	237756	481	0.2	237755.568348		ug/L
Br	79	8	113	9	8.4	105.834039		ug/L
Cl	35	513	506	26	5.1	-6.667030		ug/L
C	13	1380	1416	59	4.2	35.838938		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.943
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1234033-02
Sample Description: 25x
Batch ID: B121585

Sample Date/Time: Thursday, August 30, 2012 18:42:58
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.2
 Autosampler Position: 205

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1234033-02.149
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	11	3	23.6	-0.000100	0.0751	ug/L
Se	78	4	21	1	7.2	0.000069	3.5972	ug/L
Se	77	1	13	1	6.8	0.000050	8.5217	ug/L
Rh	103	237891	240294	2563	1.1	240293.733604		ug/L
Br	79	8	98	16	16.8	90.000529		ug/L
Cl	35	513	471	22	4.6	-41.668917		ug/L
C	13	1380	1405	51	3.6	25.003890		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	101.010
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121585-DUP2

Sample Description: 25x

Batch ID: B121585

Sample Date/Time: Thursday, August 30, 2012 18:44:39

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 206

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121585-DUP2.150

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	12	3	26.2	-0.000096	0.0946	ug/L
Se	78	4	20	5	25.0	0.000066	3.4446	ug/L
Se	77	1	12	1	7.6	0.000045	7.6801	ug/L
Rh	103	237891	239844	237	0.1	239843.512938		ug/L
Br	79	8	93	8	8.1	85.000469		ug/L
Cl	35	513	446	8	1.7	-66.670193		ug/L
C	13	1380	1363	55	4.1	-16.669104		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.821
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121585-MS2

Sample Description: 25x

Batch ID: B121585

Sample Date/Time: Thursday, August 30, 2012 18:46:19

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 207

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121585-MS2.151

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1344	52	3.9	0.005441	25.2848	ug/L
Se	78	4	486	10	2.1	0.002003	99.7908	ug/L
Se	77	1	155	3	2.1	0.000643	106.3584	ug/L
Rh	103	237891	240606	1261	0.5	240605.818367		ug/L
Br	79	8	100	13	13.2	92.500552		ug/L
Cl	35	513	489	22	4.4	-23.334616		ug/L
C	13	1380	1358	39	2.9	-21.669909		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	101.141
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121585-MSD2

Sample Description: 25x

Batch ID: B121585

Sample Date/Time: Thursday, August 30, 2012 18:48:00

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 208

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121585-MSD2.152

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1353	56	4.2	0.005476	25.4431	ug/L
Se	78	4	482	7	1.4	0.001987	98.9888	ug/L
Se	77	1	147	11	7.4	0.000607	100.3766	ug/L
Rh	103	237891	240720	1024	0.4	240719.585625		ug/L
Br	79	8	97	10	10.8	89.167181		ug/L
Cl	35	513	505	28	5.6	-7.500405		ug/L
C	13	1380	1398	108	7.7	17.503065		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	101.189
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV7

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 18:49:43

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCV7.153

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	6546	94	1.4	0.027265	4.9829	ug/L
Se	78	4	587	12	2.0	0.002440	4.8621	ug/L
Se	77	1	179	8	4.3	0.000746	4.9377	ug/L
Rh	103	237891	238820	763	0.3	238820.453851		ug/L
Br	79	8	18	7	37.8	10.000014		ug/L
Cl	35	513	469	45	9.7	-43.335612		ug/L
C	13	1380	1340	60	4.5	-40.005887		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.391
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB7

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 18:51:25

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCB7.154

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	9	6	67.6	-0.000106	0.0019	ug/L
Se	78	4	4	0	0.2	0.000002	0.0109	ug/L
Se	77	1	1	0	24.7	0.000002	0.0208	ug/L
Rh	103	237891	237270	1757	0.7	237269.891114		ug/L
Br	79	8	8	5	66.7	-0.000000		ug/L
Cl	35	513	474	20	4.3	-38.335413		ug/L
C	13	1380	1413	10	0.7	32.504961		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.739
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1234033-03

Sample Description: 25x

Batch ID: B121585

Sample Date/Time: Thursday, August 30, 2012 18:53:09

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 209

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1234033-03.155

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	69	14	20.1	0.000146	1.1943	ug/L
Se	78	4	48	1	2.8	0.000187	9.4431	ug/L
Se	77	1	32	1	2.1	0.000131	21.7862	ug/L
Rh	103	237891	237436	1596	0.7	237435.786661		ug/L
Br	79	8	258	45	17.6	250.003718		ug/L
Cl	35	513	485	10	2.1	-27.501520		ug/L
C	13	1380	1433	49	3.4	52.508176		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.809
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1234033-04
Sample Description: 25x
Batch ID: B121585

Sample Date/Time: Thursday, August 30, 2012 18:54:49
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.2
 Autosampler Position: 210

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1234033-04.156
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	43	9	21.8	0.000037	0.6993	ug/L
Se	78	4	40	4	10.2	0.000152	7.7172	ug/L
Se	77	1	33	3	8.3	0.000137	22.8182	ug/L
Rh	103	237891	238778	1196	0.5	238777.716231		ug/L
Br	79	8	207	21	10.3	199.169028		ug/L
Cl	35	513	508	18	3.6	-4.166903		ug/L
C	13	1380	1315	68	5.1	-65.009503		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: 1234033-05
Sample Description: 25x
Batch ID: B121585

Sample Date/Time: Thursday, August 30, 2012 18:56:30
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.2
 Autosampler Position: 211

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1234033-05.157
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	15	4	24.0	-0.000079	0.1693	ug/L
Se	78	4	174	7	3.8	0.000737	36.7993	ug/L
Se	77	1	62	6	9.5	0.000266	44.1008	ug/L
Rh	103	237891	230598	2004	0.9	230598.166609		ug/L
Br	79	8	787	25	3.2	779.200724		ug/L
Cl	35	513	520	30	5.8	7.500445		ug/L
C	13	1380	1370	96	7.0	-10.001206		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	96.934
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1234033-06
Sample Description: 25x
Batch ID: B121585

Sample Date/Time: Thursday, August 30, 2012 18:58:10
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.2
 Autosampler Position: 212

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1234033-06.158
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	13	2	18.2	-0.000090	0.1208	ug/L
Se	78	4	181	3	1.7	0.000760	37.9700	ug/L
Se	77	1	63	1	2.0	0.000265	44.0407	ug/L
Rh	103	237891	232743	1402	0.6	232743.402171		ug/L
Br	79	8	754	51	6.8	746.698043		ug/L
Cl	35	513	477	34	7.1	-35.835255		ug/L
C	13	1380	1343	13	1.0	-37.505644		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	97.836
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1234033-07
Sample Description: 25x
Batch ID: B121585

Sample Date/Time: Thursday, August 30, 2012 18:59:51
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.2
 Autosampler Position: 213

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1234033-07.159
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	11	2	14.3	-0.000101	0.0688	ug/L
Se	78	4	3	0	12.2	-0.000004	-0.0506	ug/L
Se	77	1	1	0	33.3	-0.000000	0.2063	ug/L
Rh	103	237891	248091	1280	0.5	248090.511535		ug/L
Br	79	8	158	8	4.8	150.834710		ug/L
Cl	35	513	523	26	5.0	10.000580		ug/L
C	13	1380	1416	90	6.4	35.839108		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	104.288
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1234033-08

Sample Description: 25x

Batch ID: B121585

Sample Date/Time: Thursday, August 30, 2012 19:01:31

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.2

Autosampler Position: 214

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1234033-08.160

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	9	4	48.4	-0.000108	0.0388	ug/L
Se	78	4	2	2	66.5	-0.000007	-0.1984	ug/L
Se	77	1	1	0	17.3	0.000000	0.2635	ug/L
Rh	103	237891	247273	600	0.2	247272.801840		ug/L
Br	79	8	125	13	10.0	117.500861		ug/L
Cl	35	513	547	23	4.2	34.168662		ug/L
C	13	1380	1381	66	4.8	0.833585		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	103.944
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV8

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 19:03:14

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCV8.161

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	6684	43	0.6	0.027434	5.0137	ug/L
Se	78	4	600	13	2.2	0.002461	4.9039	ug/L
Se	77	1	183	4	2.3	0.000751	4.9654	ug/L
Rh	103	237891	242378	499	0.2	242377.752846		ug/L
Br	79	8	19	1	7.5	11.666683		ug/L
Cl	35	513	498	20	3.9	-15.000834		ug/L
C	13	1380	1422	67	4.7	41.673220		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	101.886
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB8

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 19:04:55

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCB8.162

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	7	3	37.8	-0.000115	0.0002	ug/L
Se	78	4	5	2	33.0	0.000004	0.0137	ug/L
Se	77	1	1	1	66.1	0.000001	0.0154	ug/L
Rh	103	237891	242707	2269	0.9	242707.380306		ug/L
Br	79	8	7	3	43.3	-0.833335		ug/L
Cl	35	513	532	66	12.4	19.167912		ug/L
C	13	1380	1398	57	4.1	17.502757		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	102.025
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1234033-09

Sample Description:

Batch ID: B121585

Sample Date/Time: Thursday, August 30, 2012 19:06:38

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 215

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1234033-09.163

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	6	3	39.7	-0.000118	-0.0004	ug/L
Se	78	4	4	1	32.4	-0.000001	0.0044	ug/L
Se	77	1	1	1	47.2	0.000002	0.0242	ug/L
Rh	103	237891	245114	1035	0.4	245113.859777		ug/L
Br	79	8	5	4	86.6	-2.500002		ug/L
Cl	35	513	462	37	7.9	-50.836023		ug/L
C	13	1380	1385	91	6.6	5.001029		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	103.036
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1234033-10

Sample Description:

Batch ID: B121585

Sample Date/Time: Thursday, August 30, 2012 19:08:19

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 216

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1234033-10.164

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	5	1	20.0	-0.000124	-0.0014	ug/L
Se	78	4	3	1	20.4	-0.000004	-0.0018	ug/L
Se	77	1	1	0	45.8	0.000000	0.0107	ug/L
Rh	103	237891	245862	1240	0.5	245862.010472		ug/L
Br	79	8	8	4	45.8	0.833334		ug/L
Cl	35	513	532	12	2.2	19.167758		ug/L
C	13	1380	1371	50	3.7	-9.167996		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	103.351
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1234033-11

Sample Description:

Batch ID: B121585

Sample Date/Time: Thursday, August 30, 2012 19:09:59

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 217

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1234033-11.165

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	6	2	36.7	-0.000121	-0.0008	ug/L
Se	78	4	2	0	18.4	-0.000010	-0.0131	ug/L
Se	77	1	1	0	41.7	0.000001	0.0131	ug/L
Rh	103	237891	243466	1771	0.7	243465.515439		ug/L
Br	79	8	13	3	20.0	5.000005		ug/L
Cl	35	513	520	14	2.7	7.500418		ug/L
C	13	1380	1398	20	1.5	18.336116		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	102.343
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1234033-12

Sample Description:

Batch ID: B121585

Sample Date/Time: Thursday, August 30, 2012 19:11:40

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 218

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1234033-12.166

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	5	4	87.2	-0.000124	-0.0013	ug/L
Se	78	4	3	1	42.0	-0.000002	0.0012	ug/L
Se	77	1	1	0	34.6	0.000000	0.0109	ug/L
Rh	103	237891	243955	4190	1.7	243954.712108		ug/L
Br	79	8	8	5	66.7	-0.000000		ug/L
Cl	35	513	503	79	15.8	-10.000341		ug/L
C	13	1380	1308	68	5.2	-71.677132		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	102.549
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCV9

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 19:13:23

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCV9.167

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	6658	47	0.7	0.027213	4.9735	ug/L
Se	78	4	603	9	1.4	0.002461	4.9034	ug/L
Se	77	1	179	5	2.6	0.000732	4.8452	ug/L
Rh	103	237891	243374	656	0.3	243373.847350		ug/L
Br	79	8	7	3	43.3	-0.833335		ug/L
Cl	35	513	468	19	4.0	-44.169051		ug/L
C	13	1380	1372	68	4.9	-8.334462		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	102.305
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCB9

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 19:15:05

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCB9.168

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	7	3	37.8	-0.000116	0.0002	ug/L
Se	78	4	4	1	17.9	0.000001	0.0086	ug/L
Se	77	1	2	0	24.1	0.000003	0.0313	ug/L
Rh	103	237891	243313	1526	0.6	243313.155053		ug/L
Br	79	8	8	1	17.3	0.833333		ug/L
Cl	35	513	481	56	11.7	-31.668295		ug/L
C	13	1380	1338	38	2.8	-41.672880		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	102.279
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233048-01

Sample Description: 5x

Batch ID: B121538

Sample Date/Time: Thursday, August 30, 2012 19:24:37

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 219

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233048-01.169

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1216	24	2.0	0.005153	4.7945	ug/L
Se	78	4	32	5	17.0	0.000124	1.2629	ug/L
Se	77	1	11	1	7.1	0.000046	1.5717	ug/L
Rh	103	237891	229512	739	0.3	229511.901361		ug/L
Br	79	8	91	18	20.3	83.333796		ug/L
Cl	35	513	463	44	9.5	-49.169249		ug/L
C	13	1380	1289	34	2.6	-90.846661		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	96.478
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121538-DUP1

Sample Description: 5x

Batch ID: B121538

Sample Date/Time: Thursday, August 30, 2012 19:26:18

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 220

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121538-DUP1.170

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1208	28	2.3	0.005119	4.7641	ug/L
Se	78	4	38	5	12.2	0.000150	1.5200	ug/L
Se	77	1	12	1	8.7	0.000047	1.5962	ug/L
Rh	103	237891	229471	2197	1.0	229471.040291		ug/L
Br	79	8	112	18	16.5	104.167361		ug/L
Cl	35	513	447	28	6.2	-65.836793		ug/L
C	13	1380	1352	49	3.6	-28.337538		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	96.461
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121538-MS1

Sample Description: 5x

Batch ID: B121538

Sample Date/Time: Thursday, August 30, 2012 19:27:58

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 221

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121538-MS1.171

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1212	59	4.9	0.005080	4.7281	ug/L
Se	78	4	151	4	2.8	0.000636	6.3576	ug/L
Se	77	1	46	3	5.8	0.000194	6.4530	ug/L
Rh	103	237891	232019	2101	0.9	232019.499676		ug/L
Br	79	8	94	21	22.3	86.667166		ug/L
Cl	35	513	477	22	4.6	-35.835280		ug/L
C	13	1380	1364	23	1.7	-15.835739		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	97.532
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121538-MSD1

Sample Description: 5x

Batch ID: B121538

Sample Date/Time: Thursday, August 30, 2012 19:29:39

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 222

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121538-MSD1.172

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1206	26	2.1	0.005037	4.6889	ug/L
Se	78	4	151	8	5.1	0.000634	6.3381	ug/L
Se	77	1	44	1	2.3	0.000186	6.1926	ug/L
Rh	103	237891	232837	1509	0.6	232837.442358		ug/L
Br	79	8	89	5	5.8	81.667101		ug/L
Cl	35	513	483	27	5.5	-29.168253		ug/L
C	13	1380	1374	76	5.6	-5.834038		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	97.876
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233048-02

Sample Description: 5x

Batch ID: B121538

Sample Date/Time: Thursday, August 30, 2012 19:31:19

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 223

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233048-02.173

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	2320	54	2.3	0.010519	9.6771	ug/L
Se	78	4	11	2	18.1	0.000034	0.3680	ug/L
Se	77	1	4	1	33.8	0.000017	0.5983	ug/L
Rh	103	237891	217566	1212	0.6	217566.024391		ug/L
Br	79	8	194	25	12.9	186.668759		ug/L
Cl	35	513	485	22	4.6	-27.501505		ug/L
C	13	1380	1264	70	5.6	-115.850034		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.456
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233048-03

Sample Description: 5x

Batch ID: B121538

Sample Date/Time: Thursday, August 30, 2012 19:33:00

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 224

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233048-03.174

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	3832	21	0.6	0.018223	16.6873	ug/L
Se	78	4	51	4	7.5	0.000226	2.2789	ug/L
Se	77	1	18	2	12.0	0.000082	2.7488	ug/L
Rh	103	237891	208642	1723	0.8	208642.178019		ug/L
Br	79	8	318	6	2.0	310.838904		ug/L
Cl	35	513	484	36	7.5	-28.334853		ug/L
C	13	1380	1216	33	2.7	-164.190101		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	87.705
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233048-04

Sample Description: 5x

Batch ID: B121538

Sample Date/Time: Thursday, August 30, 2012 19:34:40

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 225

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233048-04.175

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	819	28	3.4	0.003367	3.1693	ug/L
Se	78	4	38	4	9.8	0.000146	1.4866	ug/L
Se	77	1	12	1	4.3	0.000049	1.6517	ug/L
Rh	103	237891	233294	632	0.3	233293.856082		ug/L
Br	79	8	92	8	8.8	84.167127		ug/L
Cl	35	513	497	23	4.6	-15.834208		ug/L
C	13	1380	1334	43	3.2	-45.840144		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	98.068
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233048-05

Sample Description: 5x

Batch ID: B121538

Sample Date/Time: Thursday, August 30, 2012 19:36:21

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 226

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233048-05.176

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	892	40	4.5	0.003813	3.5754	ug/L
Se	78	4	9	1	15.2	0.000024	0.2678	ug/L
Se	77	1	2	1	31.6	0.000008	0.2962	ug/L
Rh	103	237891	225425	2480	1.1	225425.061348		ug/L
Br	79	8	120	9	7.2	112.500791		ug/L
Cl	35	513	495	98	19.9	-17.500629		ug/L
C	13	1380	1325	20	1.5	-55.008204		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	94.760
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233048-06

Sample Description: 5x

Batch ID: B121538

Sample Date/Time: Thursday, August 30, 2012 19:38:01

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 227

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233048-06.177

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	793	5	0.6	0.003287	3.0964	ug/L
Se	78	4	29	2	5.6	0.000107	1.0966	ug/L
Se	77	1	8	1	12.5	0.000031	1.0849	ug/L
Rh	103	237891	231053	1638	0.7	231052.779605		ug/L
Br	79	8	68	13	19.6	60.000253		ug/L
Cl	35	513	465	15	3.3	-47.502560		ug/L
C	13	1380	1308	85	6.5	-72.510489		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	97.126
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233048-07

Sample Description: 5x

Batch ID: B121538

Sample Date/Time: Thursday, August 30, 2012 19:39:42

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 1

Autosampler Position: 228

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233048-07.178

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	811	35	4.3	0.003334	3.1400	ug/L
Se	78	4	30	2	5.0	0.000112	1.1459	ug/L
Se	77	1	9	1	16.7	0.000034	1.1683	ug/L
Rh	103	237891	233244	748	0.3	233244.280386		ug/L
Br	79	8	67	20	30.3	59.166922		ug/L
Cl	35	513	528	52	9.8	15.000941		ug/L
C	13	1380	1347	69	5.1	-33.338192		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	98.047
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVA

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 19:41:24

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCVA.179

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	6625	107	1.6	0.027618	5.0471	ug/L
Se	78	4	599	12	2.0	0.002492	4.9661	ug/L
Se	77	1	182	5	2.8	0.000758	5.0153	ug/L
Rh	103	237891	238626	1627	0.7	238626.361909		ug/L
Br	79	8	9	4	41.7	1.666668		ug/L
Cl	35	513	473	30	6.3	-39.168772		ug/L
C	13	1380	1372	23	1.7	-8.334609		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.309
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBA

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 19:43:06

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCBA.180

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	5	3	47.2	-0.000122	-0.0010	ug/L
Se	78	4	3	1	17.4	-0.000004	-0.0017	ug/L
Se	77	1	1	1	50.0	0.000001	0.0161	ug/L
Rh	103	237891	237801	1384	0.6	237800.958706		ug/L
Br	79	8	7	4	57.3	-0.833334		ug/L
Cl	35	513	447	29	6.5	-65.836790		ug/L
C	13	1380	1323	126	9.5	-57.508004		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.962
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121476-BLK1

Sample Description:

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 19:44:49

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 229

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121476-BLK1.181

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	4	2	56.8	-0.000129	-0.0023	ug/L
Se	78	4	2	1	20.5	-0.000006	-0.0060	ug/L
Se	77	1	1	0	34.6	0.000000	0.0113	ug/L
Rh	103	237891	239330	2130	0.9	239329.555517		ug/L
Br	79	8	12	5	44.6	4.166671		ug/L
Cl	35	513	503	38	7.5	-9.167142		ug/L
C	13	1380	1385	70	5.0	5.000903		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.605
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121476-BLK2

Sample Description:

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 19:46:29

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 230

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121476-BLK2.182

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	5	3	65.5	-0.000125	-0.0016	ug/L
Se	78	4	2	1	40.0	-0.000008	-0.0109	ug/L
Se	77	1	1	1	96.4	0.000000	0.0111	ug/L
Rh	103	237891	240811	2968	1.2	240810.554728		ug/L
Br	79	8	11	5	48.0	3.333337		ug/L
Cl	35	513	448	37	8.2	-64.170023		ug/L
C	13	1380	1302	30	2.3	-78.344890		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	101.227
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121476-BLK3

Sample Description:

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 19:48:10

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 231

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121476-BLK3.183

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1	1	86.6	-0.000139	-0.0041	ug/L
Se	78	4	2	0	5.8	-0.000006	-0.0065	ug/L
Se	77	1	1	0	21.7	-0.000000	0.0067	ug/L
Rh	103	237891	238425	1059	0.4	238425.301375		ug/L
Br	79	8	8	5	66.7	-0.000000		ug/L
Cl	35	513	478	28	5.8	-34.168515		ug/L
C	13	1380	1358	25	1.8	-21.669943		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.225
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121476-BLK4

Sample Description:

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 19:49:50

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 232

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121476-BLK4.184

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	3	0	0.0	-0.000132	-0.0028	ug/L
Se	78	4	2	0	7.1	-0.000008	-0.0095	ug/L
Se	77	1	1	1	52.9	0.000002	0.0228	ug/L
Rh	103	237891	239609	1203	0.5	239609.169113		ug/L
Br	79	8	8	4	45.8	0.833334		ug/L
Cl	35	513	498	66	13.3	-15.000688		ug/L
C	13	1380	1332	28	2.1	-48.340549		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	100.722
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121476-BS1

Sample Description:

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 19:51:31

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 233

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121476-BS1.185

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	5286	43	0.8	0.021856	3.9986	ug/L
Se	78	4	449	6	1.2	0.001851	3.6893	ug/L
Se	77	1	139	9	6.3	0.000574	3.8014	ug/L
Rh	103	237891	240307	3109	1.3	240306.678381		ug/L
Br	79	8	13	5	39.0	5.833340		ug/L
Cl	35	513	429	39	9.0	-83.337609		ug/L
C	13	1380	1313	20	1.5	-66.676563		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	101.016
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-01

Sample Description:

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 19:53:11

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 234

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-01.186

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	10	5	47.7	-0.000100	0.0029	ug/L
Se	78	4	4	2	43.9	-0.000000	0.0056	ug/L
Se	77	1	1	1	87.4	0.000001	0.0186	ug/L
Rh	103	237891	235800	1500	0.6	235799.846367		ug/L
Br	79	8	4	5	124.9	-3.333335		ug/L
Cl	35	513	448	34	7.6	-64.170030		ug/L
C	13	1380	1312	102	7.8	-68.343104		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	99.121
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-02

Sample Description:

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 19:54:52

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 235

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-02.187

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	3	3	88.2	-0.000131	-0.0027	ug/L
Se	78	4	3	1	37.0	-0.000004	-0.0026	ug/L
Se	77	1	1	0	25.0	0.000001	0.0167	ug/L
Rh	103	237891	232748	285	0.1	232747.607928		ug/L
Br	79	8	13	4	34.6	5.000005		ug/L
Cl	35	513	468	62	13.2	-44.168925		ug/L
C	13	1380	1250	57	4.5	-130.018724		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	97.838
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-03
Sample Description: 50x
Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 19:56:32
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 236

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-03.188
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	55	6	11.1	0.000136	2.3001	ug/L
Se	78	4	3	1	31.4	-0.000002	0.0925	ug/L
Se	77	1	1	0	17.3	0.000001	0.8190	ug/L
Rh	103	237891	196221	2753	1.4	196221.142968		ug/L
Br	79	8	1309	115	8.8	1301.761419		ug/L
Cl	35	513	409	36	8.9	-103.338538		ug/L
C	13	1380	1192	38	3.2	-188.359956		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	82.484
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121476-MS1

Sample Description: 50x

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 19:58:13

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 237

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121476-DUP1.189

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	52	10	18.5	0.000132	2.2585	ug/L
Se	78	4	86	6	6.6	0.000440	44.0687	ug/L
Se	77	1	26	2	7.6	0.000137	45.5672	ug/L
Rh	103	237891	188424	545	0.3	188423.503106		ug/L
Br	79	8	1230	62	5.0	1222.583352		ug/L
Cl	35	513	401	15	3.7	-111.672283		ug/L
C	13	1380	1193	66	5.6	-186.692962		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	79.206
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121476-MSD1

Sample Description: 50x

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 19:59:53

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 238

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121476-MS1.190

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	55	7	13.3	0.000157	2.4919	ug/L
Se	78	4	78	4	4.8	0.000408	40.8716	ug/L
Se	77	1	25	2	8.9	0.000130	43.4776	ug/L
Rh	103	237891	183513	1682	0.9	183512.995144		ug/L
Br	79	8	1231	82	6.7	1223.416905		ug/L
Cl	35	513	397	25	6.3	-115.839117		ug/L
C	13	1380	1166	68	5.8	-214.196523		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	77.142
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: Thursday, August 30, 2012 20:01:36

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCVB.191

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	5990	59	1.0	0.027324	4.9936	ug/L
Se	78	4	485	7	1.4	0.002210	4.4038	ug/L
Se	77	1	148	3	1.8	0.000673	4.4549	ug/L
Rh	103	237891	218071	2210	1.0	218071.372594		ug/L
Br	79	8	32	16	50.1	24.166727		ug/L
Cl	35	513	438	19	4.3	-75.003921		ug/L
C	13	1380	1225	60	4.9	-155.022113		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.669
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: Thursday, August 30, 2012 20:03:18

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCBB.192

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	6	5	86.6	-0.000117	-0.0001	ug/L
Se	78	4	2	1	35.9	-0.000006	-0.0050	ug/L
Se	77	1	1	0	32.7	0.000002	0.0231	ug/L
Rh	103	237891	221377	737	0.3	221377.194200		ug/L
Br	79	8	10	3	25.0	2.500002		ug/L
Cl	35	513	418	18	4.4	-94.171490		ug/L
C	13	1380	1264	23	1.8	-115.850197		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	93.058
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121476-DUP1

Sample Description: 50x

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:05:00

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 239

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121476-MSD1.193

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	54	4	7.7	0.000149	2.4174	ug/L
Se	78	4	4	1	13.4	0.000004	0.6740	ug/L
Se	77	1	1	1	114.6	0.000000	0.6070	ug/L
Rh	103	237891	185012	2370	1.3	185012.192191		ug/L
Br	79	8	1256	40	3.2	1248.420137		ug/L
Cl	35	513	385	25	6.6	-127.506285		ug/L
C	13	1380	1222	80	6.5	-158.355793		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	77.772
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-04

Sample Description: 50x

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:06:41

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 240

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-04.194

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	55	3	5.5	0.000163	2.5403	ug/L
Se	78	4	3	1	24.9	-0.000002	0.0812	ug/L
Se	77	1	2	0	16.7	0.000005	2.1608	ug/L
Rh	103	237891	180254	893	0.5	180253.678876		ug/L
Br	79	8	1273	38	3.0	1265.922563		ug/L
Cl	35	513	399	48	12.0	-113.338947		ug/L
C	13	1380	1135	50	4.4	-245.033835		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	75.772
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-05
Sample Description: 50x
Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:08:21
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 241

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-05.195
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	56	6	10.4	0.000177	2.6727	ug/L
Se	78	4	2	1	38.4	-0.000007	-0.3481	ug/L
Se	77	1	1	0	13.3	0.000003	1.4524	ug/L
Rh	103	237891	175299	2643	1.5	175299.249505		ug/L
Br	79	8	1273	61	4.8	1265.089196		ug/L
Cl	35	513	418	32	7.7	-94.171465		ug/L
C	13	1380	1047	19	1.8	-333.377848		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	73.689
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121476-DUP2

Sample Description: 50x

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:10:02

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 242

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121476-DUP2.196

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	61	4	5.9	0.000207	2.9430	ug/L
Se	78	4	2	1	22.3	-0.000003	-0.0045	ug/L
Se	77	1	1	1	63.0	0.000002	1.1561	ug/L
Rh	103	237891	173678	686	0.4	173678.348422		ug/L
Br	79	8	1198	65	5.4	1190.912469		ug/L
Cl	35	513	400	20	4.9	-112.505647		ug/L
C	13	1380	1103	22	2.0	-277.537910		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	73.008
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121476-MS2

Sample Description: 50x

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:11:42

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 243

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121476-MS2.197

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	58	4	6.6	0.000199	2.8666	ug/L
Se	78	4	73	1	1.1	0.000419	41.9495	ug/L
Se	77	1	20	2	10.5	0.000118	39.3409	ug/L
Rh	103	237891	168147	807	0.5	168147.487206		ug/L
Br	79	8	1406	15	1.1	1398.442046		ug/L
Cl	35	513	428	40	9.4	-84.170977		ug/L
C	13	1380	1069	26	2.5	-310.875217		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	70.683
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121476-MSD2

Sample Description: 50x

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:13:23

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 244

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121476-MSD2.198

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	52	8	14.8	0.000157	2.4896	ug/L
Se	78	4	74	4	5.3	0.000412	41.3431	ug/L
Se	77	1	23	0	1.9	0.000128	42.7302	ug/L
Rh	103	237891	171515	1659	1.0	171514.593871		ug/L
Br	79	8	1212	94	7.7	1204.247737		ug/L
Cl	35	513	412	31	7.5	-100.838439		ug/L
C	13	1380	1133	65	5.8	-247.534084		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	72.098
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-06
Sample Description: 50x
Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:15:03
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 245

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-06.199
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	48	2	4.8	0.000138	2.3191	ug/L
Se	78	4	2	1	38.2	-0.000004	-0.0774	ug/L
Se	77	1	1	1	66.1	0.000003	1.3464	ug/L
Rh	103	237891	170924	1364	0.8	170923.586326		ug/L
Br	79	8	1206	73	6.0	1198.413501		ug/L
Cl	35	513	469	33	7.0	-43.335649		ug/L
C	13	1380	1106	42	3.8	-274.204126		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	71.850
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-07

Sample Description: 50x

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:16:44

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 246

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-07.200

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	48	4	7.8	0.000135	2.2919	ug/L
Se	78	4	2	0	21.1	-0.000006	-0.2915	ug/L
Se	77	1	1	1	78.1	0.000001	0.6980	ug/L
Rh	103	237891	172705	2434	1.4	172705.266164		ug/L
Br	79	8	1138	81	7.1	1130.904841		ug/L
Cl	35	513	391	18	4.5	-121.672715		ug/L
C	13	1380	1169	68	5.9	-210.862759		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	72.599
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-08
Sample Description: 50x
Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:18:24
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 247

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-08.201
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	40	6	15.2	0.000088	1.8617	ug/L
Se	78	4	2	0	13.6	-0.000004	-0.1362	ug/L
Se	77	1	1	1	53.9	0.000004	1.6532	ug/L
Rh	103	237891	172022	1422	0.8	172021.511791		ug/L
Br	79	8	1157	66	5.7	1149.240410		ug/L
Cl	35	513	401	38	9.6	-111.672237		ug/L
C	13	1380	1156	15	1.3	-224.197961		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	72.311
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-09

Sample Description: 50x

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:20:05

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 248

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-09.202

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	53	4	7.1	0.000163	2.5389	ug/L
Se	78	4	3	0	14.8	-0.000001	0.1852	ug/L
Se	77	1	1	0	34.6	0.000004	1.8063	ug/L
Rh	103	237891	173685	5512	3.2	173685.379903		ug/L
Br	79	8	1168	60	5.1	1160.075099		ug/L
Cl	35	513	363	29	8.0	-150.007203		ug/L
C	13	1380	1160	22	1.9	-220.030754		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	73.011
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-10
Sample Description: 50x
Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:21:45
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 249

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-10.203
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	50	3	5.8	0.000145	2.3804	ug/L
Se	78	4	2	0	10.4	-0.000003	-0.0375	ug/L
Se	77	1	1	0	45.8	0.000002	1.0119	ug/L
Rh	103	237891	171663	1911	1.1	171663.225469		ug/L
Br	79	8	1211	33	2.7	1203.414010		ug/L
Cl	35	513	418	27	6.5	-95.004847		ug/L
C	13	1380	1132	24	2.1	-248.367656		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	72.161
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: Thursday, August 30, 2012 20:23:27

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCVC.204

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	5648	133	2.4	0.027051	4.9440	ug/L
Se	78	4	439	4	1.0	0.002096	4.1766	ug/L
Se	77	1	132	3	2.5	0.000631	4.1751	ug/L
Rh	103	237891	207718	2550	1.2	207718.168128		ug/L
Br	79	8	33	16	48.8	25.833400		ug/L
Cl	35	513	394	69	17.5	-118.339075		ug/L
C	13	1380	1245	60	4.8	-135.019396		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	87.317
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: Thursday, August 30, 2012 20:25:09

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCBC.205

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	4	2	50.0	-0.000125	-0.0016	ug/L
Se	78	4	3	0	11.5	-0.000000	0.0056	ug/L
Se	77	1	1	0	31.5	0.000001	0.0173	ug/L
Rh	103	237891	209302	2159	1.0	209302.151074		ug/L
Br	79	8	20	3	12.5	12.500018		ug/L
Cl	35	513	421	37	8.9	-91.671336		ug/L
C	13	1380	1264	38	3.0	-115.850163		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	87.982
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-11
Sample Description: 50x
Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:26:52
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 250

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-11.206
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	58	2	3.6	0.000187	2.7596	ug/L
Se	78	4	2	0	22.4	-0.000004	-0.0578	ug/L
Se	77	1	1	0	21.7	0.000005	1.9419	ug/L
Rh	103	237891	174146	217	0.1	174146.325750		ug/L
Br	79	8	1209	72	5.9	1201.747272		ug/L
Cl	35	513	420	38	9.0	-92.504706		ug/L
C	13	1380	1160	91	7.8	-220.030469		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	73.204
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-12
Sample Description: 50x
Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:28:32
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 251

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-12.207
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	51	6	11.1	0.000152	2.4469	ug/L
Se	78	4	3	1	44.9	-0.000001	0.1882	ug/L
Se	77	1	1	0	43.3	0.000003	1.3214	ug/L
Rh	103	237891	173019	1177	0.7	173019.325326		ug/L
Br	79	8	1166	77	6.6	1158.408308		ug/L
Cl	35	513	415	38	9.0	-97.504937		ug/L
C	13	1380	1149	16	1.4	-230.865472		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	72.731
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-13
Sample Description: 50x
Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:30:13
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 252

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-13.208
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	42	11	26.5	0.000100	1.9696	ug/L
Se	78	4	2	0	8.0	-0.000006	-0.2707	ug/L
Se	77	1	1	1	88.2	0.000001	0.8767	ug/L
Rh	103	237891	170565	2932	1.7	170564.679301		ug/L
Br	79	8	1117	114	10.3	1109.235729		ug/L
Cl	35	513	403	11	2.7	-110.005546		ug/L
C	13	1380	1231	100	8.1	-149.187759		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	71.699
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-14
Sample Description: 50x
Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:31:53
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 253

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-14.209
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	38	2	5.4	0.000081	1.7939	ug/L
Se	78	4	2	1	59.5	-0.000005	-0.2208	ug/L
Se	77	1	2	1	36.5	0.000006	2.4833	ug/L
Rh	103	237891	170400	1865	1.1	170399.780814		ug/L
Br	79	8	1138	59	5.2	1130.071292		ug/L
Cl	35	513	413	33	8.0	-99.171691		ug/L
C	13	1380	1203	68	5.7	-177.525080		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	71.629
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-17
Sample Description: 50x
Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:33:34
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 254

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-17.210
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	62	5	7.4	0.000225	3.1107	ug/L
Se	78	4	2	0	8.6	-0.000007	-0.4088	ug/L
Se	77	1	1	1	71.3	0.000005	2.1724	ug/L
Rh	103	237891	168688	2487	1.5	168687.552444		ug/L
Br	79	8	1243	120	9.6	1235.085436		ug/L
Cl	35	513	419	36	8.7	-93.338082		ug/L
C	13	1380	1141	29	2.5	-239.199834		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	70.910
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121476-DUP3

Sample Description: 50x

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:35:14

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 255

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121476-DUP3.211

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	57	11	19.1	0.000198	2.8575	ug/L
Se	78	4	2	1	38.3	-0.000007	-0.3530	ug/L
Se	77	1	1	1	44.6	0.000004	1.7088	ug/L
Rh	103	237891	167779	1011	0.6	167779.120991		ug/L
Br	79	8	1208	40	3.3	1200.913697		ug/L
Cl	35	513	403	8	1.9	-109.172178		ug/L
C	13	1380	1159	15	1.3	-220.864204		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	70.528
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121476-MS3

Sample Description: 50x

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:36:55

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 256

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121476-MS3.212

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	67	6	8.2	0.000274	3.5546	ug/L
Se	78	4	70	2	2.2	0.000418	41.9040	ug/L
Se	77	1	21	3	13.3	0.000125	41.6463	ug/L
Rh	103	237891	161020	2053	1.3	161020.313805		ug/L
Br	79	8	1373	35	2.6	1365.937116		ug/L
Cl	35	513	439	16	3.7	-73.337177		ug/L
C	13	1380	1184	81	6.8	-195.860749		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	67.687
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121476-MSD3

Sample Description: 50x

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:38:35

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 257

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121476-MSD3.213

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	61	12	19.3	0.000222	3.0835	ug/L
Se	78	4	78	7	9.6	0.000451	45.2113	ug/L
Se	77	1	23	2	8.4	0.000137	45.5971	ug/L
Rh	103	237891	166193	1258	0.8	166192.901142		ug/L
Br	79	8	1183	40	3.4	1175.910410		ug/L
Cl	35	513	413	64	15.4	-99.171582		ug/L
C	13	1380	1214	14	1.1	-165.857024		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	69.861
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-18
Sample Description: 50x
Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:40:15
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 258

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-18.214
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	61	14	23.0	0.000220	3.0632	ug/L
Se	78	4	2	0	11.1	-0.000003	-0.0063	ug/L
Se	77	1	1	1	48.0	0.000003	1.5548	ug/L
Rh	103	237891	167215	1785	1.1	167214.775632		ug/L
Br	79	8	1218	60	4.9	1210.081661		ug/L
Cl	35	513	421	28	6.5	-91.671359		ug/L
C	13	1380	1263	36	2.9	-117.517066		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	70.291
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121476-DUP4
Sample Description: 50x
Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:41:56
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 259

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121476-DUP4.215
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	56	3	5.4	0.000191	2.7977	ug/L
Se	78	4	2	1	29.9	-0.000004	-0.0484	ug/L
Se	77	1	1	0	57.3	0.000001	0.7296	ug/L
Rh	103	237891	167044	1000	0.6	167044.102674		ug/L
Br	79	8	1126	21	1.9	1118.403062		ug/L
Cl	35	513	413	16	4.0	-100.005093		ug/L
C	13	1380	1230	29	2.3	-150.021539		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	70.219
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: Thursday, August 30, 2012 20:43:39

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 6

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCVD.216

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	5488	101	1.8	0.026925	4.9210	ug/L
Se	78	4	435	15	3.4	0.002131	4.2461	ug/L
Se	77	1	133	10	7.6	0.000650	4.3030	ug/L
Rh	103	237891	202752	920	0.5	202751.886683		ug/L
Br	79	8	23	7	29.4	15.000025		ug/L
Cl	35	513	458	23	5.0	-55.002930		ug/L
C	13	1380	1296	103	7.9	-84.178700		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	85.229
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: Thursday, August 30, 2012 20:45:21

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCBD.217

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	9	7	77.8	-0.000100	0.0029	ug/L
Se	78	4	4	1	15.3	0.000002	0.0104	ug/L
Se	77	1	1	1	90.1	0.000002	0.0204	ug/L
Rh	103	237891	204594	1531	0.7	204594.198354		ug/L
Br	79	8	20	9	45.1	12.500021		ug/L
Cl	35	513	423	25	5.9	-89.171248		ug/L
C	13	1380	1178	54	4.6	-202.528415		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	86.003
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121476-MS4

Sample Description: 50x

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:47:05

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 260

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121476-MS4.218

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	59	3	5.2	0.000199	2.8718	ug/L
Se	78	4	71	4	5.9	0.000399	39.9545	ug/L
Se	77	1	20	4	18.8	0.000113	37.8990	ug/L
Rh	103	237891	170883	1729	1.0	170882.871747		ug/L
Br	79	8	1127	70	6.2	1119.236663		ug/L
Cl	35	513	433	10	2.4	-79.170796		ug/L
C	13	1380	1188	28	2.3	-191.693751		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	71.833
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121476-MSD4

Sample Description: 50x

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:48:45

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 301

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121476-MSD4.219

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	61	5	8.5	0.000220	3.0586	ug/L
Se	78	4	74	1	1.9	0.000423	42.3893	ug/L
Se	77	1	23	4	16.6	0.000135	45.1884	ug/L
Rh	103	237891	167629	803	0.5	167628.873766		ug/L
Br	79	8	1203	34	2.8	1195.079574		ug/L
Cl	35	513	425	16	3.9	-87.504517		ug/L
C	13	1380	1221	45	3.7	-159.189398		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	70.465
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-19

Sample Description: 50x

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:50:26

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 302

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-19.220

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	48	3	5.5	0.000146	2.3847	ug/L
Se	78	4	2	0	16.5	-0.000002	0.0691	ug/L
Se	77	1	1	0	21.7	0.000005	2.0734	ug/L
Rh	103	237891	165589	799	0.5	165588.656950		ug/L
Br	79	8	1248	40	3.2	1240.919102		ug/L
Cl	35	513	428	33	7.7	-85.004369		ug/L
C	13	1380	1245	33	2.6	-135.019488		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	69.607
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-20
Sample Description: 50x
Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:52:06
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 303

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-20.221
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	35	4	11.7	0.000065	1.6488	ug/L
Se	78	4	2	0	10.1	-0.000001	0.1535	ug/L
Se	77	1	1	1	39.0	0.000005	2.0721	ug/L
Rh	103	237891	165725	1970	1.2	165725.397391		ug/L
Br	79	8	1168	35	3.0	1160.075014		ug/L
Cl	35	513	464	33	7.1	-48.335904		ug/L
C	13	1380	1174	41	3.5	-205.862224		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	69.665
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-21

Sample Description: 50x

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:53:46

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 304

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-21.222

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	45	8	17.8	0.000134	2.2804	ug/L
Se	78	4	2	0	11.1	-0.000003	0.0462	ug/L
Se	77	1	2	1	50.0	0.000006	2.4561	ug/L
Rh	103	237891	162680	1417	0.9	162680.230780		ug/L
Br	79	8	1190	64	5.4	1182.578036		ug/L
Cl	35	513	401	34	8.5	-111.672249		ug/L
C	13	1380	1215	53	4.4	-165.023483		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	68.384
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-22
Sample Description: 50x
Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:55:27
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 305

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-22.223
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	36	2	6.4	0.000080	1.7865	ug/L
Se	78	4	2	1	34.0	-0.000003	-0.0116	ug/L
Se	77	1	1	0	86.6	-0.000000	0.4330	ug/L
Rh	103	237891	162134	1606	1.0	162133.954605		ug/L
Br	79	8	1147	53	4.6	1139.239085		ug/L
Cl	35	513	428	22	5.0	-84.171020		ug/L
C	13	1380	1210	44	3.6	-170.024183		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	68.155
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-23

Sample Description: 50x

Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:57:07

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.1

Autosampler Position: 306

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-23.224

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	42	5	11.2	0.000115	2.1020	ug/L
Se	78	4	2	1	50.1	-0.000004	-0.0872	ug/L
Se	77	1	1	0	25.0	0.000003	1.4307	ug/L
Rh	103	237891	163791	2969	1.8	163790.986209		ug/L
Br	79	8	1143	28	2.4	1135.905258		ug/L
Cl	35	513	435	20	4.5	-77.504040		ug/L
C	13	1380	1213	33	2.7	-166.690435		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	68.851
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-24
Sample Description: 50x
Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 20:58:48
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 307

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-24.225
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	35	1	2.9	0.000071	1.7041	ug/L
Se	78	4	2	1	50.7	-0.000004	-0.1215	ug/L
Se	77	1	1	1	70.5	0.000004	1.6211	ug/L
Rh	103	237891	162683	1713	1.1	162682.809399		ug/L
Br	79	8	1158	133	11.5	1150.907781		ug/L
Cl	35	513	436	18	4.1	-76.670669		ug/L
C	13	1380	1217	31	2.6	-163.356661		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	68.386
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-25
Sample Description: 50x
Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 21:00:28
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 308

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-25.226
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	40	6	13.9	0.000101	1.9812	ug/L
Se	78	4	2	0	16.4	-0.000002	0.0874	ug/L
Se	77	1	2	1	32.9	0.000007	2.6499	ug/L
Rh	103	237891	161393	1516	0.9	161392.593507		ug/L
Br	79	8	1204	111	9.2	1196.746873		ug/L
Cl	35	513	420	25	5.9	-92.504737		ug/L
C	13	1380	1207	79	6.6	-173.357799		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	67.843
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1233002-26
Sample Description: 50x
Batch ID: B121476

Sample Date/Time: Thursday, August 30, 2012 21:02:09
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.1
 Autosampler Position: 309

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1233002-26.227
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	31	4	14.1	0.000049	1.5050	ug/L
Se	78	4	2	1	65.5	-0.000007	-0.3616	ug/L
Se	77	1	1	1	62.4	0.000002	1.1339	ug/L
Rh	103	237891	160323	1070	0.7	160323.042203		ug/L
Br	79	8	1102	23	2.1	1094.233438		ug/L
Cl	35	513	448	63	14.1	-65.003301		ug/L
C	13	1380	1170	63	5.4	-210.029344		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	67.394
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: Thursday, August 30, 2012 21:03:52

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 7

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCVE.228

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	27685	366	1.3	0.142426	25.9400	ug/L
Se	78	4	2117	51	2.4	0.010886	21.6702	ug/L
Se	77	1	650	13	2.0	0.003343	22.0847	ug/L
Rh	103	237891	194210	2227	1.1	194210.220254		ug/L
Br	79	8	23	5	22.3	15.833360		ug/L
Cl	35	513	427	5	1.2	-85.837781		ug/L
C	13	1380	1266	48	3.8	-114.183233		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	81.638
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: Thursday, August 30, 2012 21:05:33

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCBE.229

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	20	10	51.2	-0.000040	0.0140	ug/L
Se	78	4	7	1	13.2	0.000018	0.0423	ug/L
Se	77	1	2	1	82.6	0.000005	0.0450	ug/L
Rh	103	237891	194769	1438	0.7	194769.391161		ug/L
Br	79	8	18	7	37.8	10.000014		ug/L
Cl	35	513	439	40	9.1	-73.337128		ug/L
C	13	1380	1235	97	7.9	-145.020543		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	81.873
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121449-BLK1

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:07:16

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 310

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121449-BLK1.230

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	7	3	41.7	-0.000108	0.0162	ug/L
Se	78	4	3	1	45.1	-0.000003	-0.0030	ug/L
Se	77	1	1	1	99.0	0.000003	0.2704	ug/L
Rh	103	237891	200161	2041	1.0	200160.519777		ug/L
Br	79	8	46	19	40.9	38.333458		ug/L
Cl	35	513	475	61	12.8	-37.501917		ug/L
C	13	1380	1245	50	4.0	-135.019436		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	84.140
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121449-BLK2
Sample Description: 10x
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:08:57
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 311

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121449-BLK2.231
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	7	7	90.8	-0.000107	0.0172	ug/L
Se	78	4	2	0	15.9	-0.000004	-0.0273	ug/L
Se	77	1	1	1	88.2	0.000001	0.1302	ug/L
Rh	103	237891	199343	4355	2.2	199342.530458		ug/L
Br	79	8	28	13	45.3	20.833380		ug/L
Cl	35	513	453	23	5.0	-60.003181		ug/L
C	13	1380	1223	88	7.2	-156.688853		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	83.796
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121449-BLK3

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:10:37

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 312

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121449-BLK3.232

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	2	2	65.5	-0.000133	-0.0297	ug/L
Se	78	4	2	1	39.0	-0.000007	-0.0805	ug/L
Se	77	1	1	0	65.5	-0.000000	0.0726	ug/L
Rh	103	237891	202809	429	0.2	202808.948362		ug/L
Br	79	8	50			42.500133		ug/L
Cl	35	513	408	25	6.0	-105.005306		ug/L
C	13	1380	1198	9	0.8	-181.692463		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	85.253
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121449-BLK4

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:12:18

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 313

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121449-BLK4.233

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	3	1	43.3	-0.000131	-0.0266	ug/L
Se	78	4	2	1	24.3	-0.000006	-0.0547	ug/L
Se	77	1	0	0	91.7	-0.000001	0.0182	ug/L
Rh	103	237891	202391	1396	0.7	202390.676189		ug/L
Br	79	8	23	7	29.4	15.000025		ug/L
Cl	35	513	408	34	8.3	-105.005286		ug/L
C	13	1380	1260	102	8.1	-120.017082		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	85.077
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121449-BS1

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:13:58

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 314

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121449-BS1.234

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	2	0	0.0	-0.000134	-0.0328	ug/L
Se	78	4	155	12	7.8	0.000745	14.8831	ug/L
Se	77	1	50	3	6.6	0.000241	16.0223	ug/L
Rh	103	237891	203555	1466	0.7	203554.574212		ug/L
Br	79	8	25	5	20.0	17.500031		ug/L
Cl	35	513	387	56	14.6	-125.839455		ug/L
C	13	1380	1303	47	3.6	-76.677936		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	85.566
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121449-SRM1

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:15:39

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 315

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121449-SRM1.235

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	5920	59	1.0	0.028605	52.2683	ug/L
Se	78	4	431	14	3.3	0.002078	41.4204	ug/L
Se	77	1	133	4	3.4	0.000643	42.5609	ug/L
Rh	103	237891	205914	660	0.3	205914.271354		ug/L
Br	79	8	78	15	19.5	70.833675		ug/L
Cl	35	513	428	29	6.7	-84.171006		ug/L
C	13	1380	1253	28	2.2	-127.518469		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: B121449-SRM2

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:17:19

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 316

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121449-SRM2.236

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	15789	118	0.8	0.076639	139.6803	ug/L
Se	78	4	331	10	3.0	0.001595	31.7938	ug/L
Se	77	1	104	3	3.1	0.000500	33.1192	ug/L
Rh	103	237891	205634	686	0.3	205633.865015		ug/L
Br	79	8	403	8	1.9	395.008909		ug/L
Cl	35	513	408	18	4.3	-105.005317		ug/L
C	13	1380	1207	24	2.0	-173.358009		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	86.440
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-01

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:19:00

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 317

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-01.237

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	33	4	12.5	0.000011	0.2324	ug/L
Se	78	4	63	3	4.7	0.000276	5.5528	ug/L
Se	77	1	17	3	17.0	0.000076	5.1232	ug/L
Rh	103	237891	214279	2011	0.9	214279.422759		ug/L
Br	79	8	38	9	23.1	30.000076		ug/L
Cl	35	513	467	40	8.5	-45.835758		ug/L
C	13	1380	1164	54	4.6	-215.863467		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	90.075
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121449-DUP1

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:20:40

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 318

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121449-DUP1.238

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	26	6	23.4	-0.000024	0.1677	ug/L
Se	78	4	62	3	4.4	0.000272	5.4721	ug/L
Se	77	1	20	1	4.8	0.000089	5.9546	ug/L
Rh	103	237891	216631	642	0.3	216630.711409		ug/L
Br	79	8	34	8	23.5	26.666729		ug/L
Cl	35	513	464	14	3.0	-48.335937		ug/L
C	13	1380	1235	7	0.5	-145.020890		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.063
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: Thursday, August 30, 2012 21:22:23

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 7

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCVF.239

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	31178	166	0.5	0.142735	25.9962	ug/L
Se	78	4	2475	24	1.0	0.011324	22.5415	ug/L
Se	77	1	767	17	2.2	0.003510	23.1877	ug/L
Rh	103	237891	218231	1821	0.8	218230.910972		ug/L
Br	79	8	12	8	65.5	4.166672		ug/L
Cl	35	513	458	46	10.1	-54.169495		ug/L
C	13	1380	1281	17	1.3	-99.181205		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.736
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: Thursday, August 30, 2012 21:24:05

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCBF.240

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	21	7	31.2	-0.000048	0.0124	ug/L
Se	78	4	7	2	31.8	0.000017	0.0391	ug/L
Se	77	1	2	1	57.7	0.000007	0.0559	ug/L
Rh	103	237891	218389	3645	1.7	218389.163337		ug/L
Br	79	8	9	4	41.7	1.666668		ug/L
Cl	35	513	421	54	12.9	-91.671279		ug/L
C	13	1380	1272	44	3.4	-108.349099		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.802
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121449-MS1
Sample Description: 10x
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:25:47
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 319

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121449-MS1.241
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	23	8	35.7	-0.000039	0.1402	ug/L
Se	78	4	224	15	6.5	0.001028	20.5250	ug/L
Se	77	1	69	6	8.2	0.000318	21.1111	ug/L
Rh	103	237891	214926	5081	2.4	214926.024786		ug/L
Br	79	8	38	4	11.5	30.000074		ug/L
Cl	35	513	439	25	5.7	-73.337164		ug/L
C	13	1380	1191	125	10.5	-189.192880		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	90.347
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121449-MSD1

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:27:28

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 320

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121449-MSD1.242

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	22	5	20.8	-0.000043	0.1344	ug/L
Se	78	4	240	6	2.3	0.001091	21.7716	ug/L
Se	77	1	72	4	4.9	0.000331	21.9328	ug/L
Rh	103	237891	216404	627	0.3	216403.733209		ug/L
Br	79	8	34	1	4.2	26.666727		ug/L
Cl	35	513	423	19	4.4	-89.171258		ug/L
C	13	1380	1142	61	5.3	-238.366290		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	90.968
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-02
Sample Description: 10x
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:29:08
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 321

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-02.243
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1870	21	1.1	0.008704	16.0516	ug/L
Se	78	4	46	5	10.9	0.000199	4.0257	ug/L
Se	77	1	16	4	22.4	0.000071	4.7798	ug/L
Rh	103	237891	211308	2128	1.0	211307.750208		ug/L
Br	79	8	48	15	32.0	40.000129		ug/L
Cl	35	513	446	38	8.6	-66.670141		ug/L
C	13	1380	1166	47	4.0	-214.196613		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	88.826
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-03
Sample Description: 10x
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:30:49
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 322

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-03.244
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1488	88	5.9	0.006914	12.7942	ug/L
Se	78	4	23	3	14.5	0.000090	1.8587	ug/L
Se	77	1	7	2	24.4	0.000032	2.2088	ug/L
Rh	103	237891	210776	1633	0.8	210776.393853		ug/L
Br	79	8	38	6	16.4	30.833412		ug/L
Cl	35	513	453	10	2.2	-60.003196		ug/L
C	13	1380	1139	24	2.1	-240.866718		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	88.602
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-04

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:32:29

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 323

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-04.245

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	947	15	1.5	0.004234	7.9164	ug/L
Se	78	4	59	2	3.4	0.000257	5.1666	ug/L
Se	77	1	17	3	14.9	0.000076	5.1203	ug/L
Rh	103	237891	216337	1448	0.7	216337.238646		ug/L
Br	79	8	38	9	24.7	30.833413		ug/L
Cl	35	513	445	41	9.2	-67.503508		ug/L
C	13	1380	1161	27	2.4	-219.197305		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	90.940
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-05

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:34:10

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 324

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-05.246

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	2126	6	0.3	0.009723	17.9066	ug/L
Se	78	4	31	3	9.1	0.000127	2.5887	ug/L
Se	77	1	11	2	16.3	0.000047	3.1782	ug/L
Rh	103	237891	215443	209	0.1	215442.967979		ug/L
Br	79	8	38	25	66.0	30.833434		ug/L
Cl	35	513	440	20	4.4	-72.503799		ug/L
C	13	1380	1231	73	5.9	-149.187929		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	90.564
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-06
Sample Description: 10x
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:35:50
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 325

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-06.247
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	773	25	3.2	0.003389	6.3787	ug/L
Se	78	4	16	0	1.6	0.000055	1.1618	ug/L
Se	77	1	5	1	22.7	0.000018	1.2669	ug/L
Rh	103	237891	218798	886	0.4	218798.386274		ug/L
Br	79	8	28	7	24.1	20.000039		ug/L
Cl	35	513	451	46	10.3	-61.669870		ug/L
C	13	1380	1220	37	3.0	-160.022867		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.974
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-07
Sample Description: 10x
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:37:31
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 326

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-07.248
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1294	31	2.4	0.005785	10.7391	ug/L
Se	78	4	18	2	10.4	0.000067	1.4005	ug/L
Se	77	1	5	0	5.3	0.000022	1.5219	ug/L
Rh	103	237891	218308	1630	0.7	218307.698607		ug/L
Br	79	8	37	8	21.9	29.166739		ug/L
Cl	35	513	452	4	0.8	-60.836574		ug/L
C	13	1380	1246	58	4.7	-134.185956		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.768
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-08
Sample Description: 10x
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:39:11
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 327

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-08.249
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	44	6	13.8	0.000057	0.3152	ug/L
Se	78	4	62	5	8.2	0.000263	5.3017	ug/L
Se	77	1	16	2	12.6	0.000069	4.6492	ug/L
Rh	103	237891	220544	523	0.2	220543.962348		ug/L
Br	79	8	28	9	31.0	20.833376		ug/L
Cl	35	513	445	26	5.9	-67.503545		ug/L
C	13	1380	1282	31	2.4	-98.347729		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.708
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: Thursday, August 30, 2012 21:40:53

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 7

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCVG.250

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	31857	129	0.4	0.144648	26.3445	ug/L
Se	78	4	2513	17	0.7	0.011407	22.7073	ug/L
Se	77	1	756	23	3.0	0.003434	22.6883	ug/L
Rh	103	237891	220022	935	0.4	220021.551379		ug/L
Br	79	8	9	5	56.8	1.666668		ug/L
Cl	35	513	466	20	4.3	-46.669178		ug/L
C	13	1380	1254	36	2.9	-125.851552		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.488
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: Thursday, August 30, 2012 21:42:35

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCBG.251

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	33	20	59.7	0.000007	0.0224	ug/L
Se	78	4	8	3	38.1	0.000021	0.0477	ug/L
Se	77	1	3	1	43.9	0.000012	0.0891	ug/L
Rh	103	237891	218186	478	0.2	218185.565950		ug/L
Br	79	8	7	3	43.3	-0.833335		ug/L
Cl	35	513	469	38	8.0	-43.335636		ug/L
C	13	1380	1283	22	1.7	-97.514296		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.717
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-09
Sample Description: 10x
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:44:17
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 328

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-09.252
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	27	3	9.8	-0.000021	0.1738	ug/L
Se	78	4	97	3	2.8	0.000428	8.5815	ug/L
Se	77	1	27	4	13.3	0.000122	8.1292	ug/L
Rh	103	237891	219037	2121	1.0	219036.653260		ug/L
Br	79	8	26	15	56.7	18.333374		ug/L
Cl	35	513	433	3	0.7	-79.170800		ug/L
C	13	1380	1216	57	4.7	-164.190024		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.074
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-10
Sample Description: 10x
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:45:58
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 329

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-10.253
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	35	3	8.6	0.000016	0.2408	ug/L
Se	78	4	86	3	3.9	0.000373	7.4841	ug/L
Se	77	1	28	2	7.7	0.000123	8.2392	ug/L
Rh	103	237891	220576	975	0.4	220576.426500		ug/L
Br	79	8	28	13	45.3	20.833380		ug/L
Cl	35	513	452	45	9.9	-60.836501		ug/L
C	13	1380	1254	43	3.4	-125.851534		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.722
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-11

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:47:38

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 330

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-11.254

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	61	6	10.5	0.000133	0.4549	ug/L
Se	78	4	55	6	10.5	0.000232	4.6799	ug/L
Se	77	1	18	1	2.9	0.000078	5.2408	ug/L
Rh	103	237891	220850	1100	0.5	220850.469810		ug/L
Br	79	8	24	5	21.5	16.666696		ug/L
Cl	35	513	449	58	13.0	-63.336574		ug/L
C	13	1380	1222	3	0.2	-158.356026		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.837
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121449-DUP2

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:49:19

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 331

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121449-DUP2.255

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	891	21	2.3	0.003889	7.2890	ug/L
Se	78	4	54	8	13.8	0.000229	4.6224	ug/L
Se	77	1	16	3	15.6	0.000069	4.6660	ug/L
Rh	103	237891	220869	1327	0.6	220869.271153		ug/L
Br	79	8	37	6	17.2	29.166738		ug/L
Cl	35	513	467	23	5.0	-45.835797		ug/L
C	13	1380	1219	111	9.1	-160.855910		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.845
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121449-MS2

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:50:59

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 332

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121449-MS2.256

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	1031	29	2.8	0.004554	8.4998	ug/L
Se	78	4	240	3	1.2	0.001079	21.5425	ug/L
Se	77	1	70	4	5.6	0.000317	21.0375	ug/L
Rh	103	237891	219368	1939	0.9	219367.803155		ug/L
Br	79	8	34	15	44.1	26.666735		ug/L
Cl	35	513	441	34	7.7	-71.670397		ug/L
C	13	1380	1203	4	0.4	-177.525248		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.214
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121449-MSD2

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:52:40

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 333

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121449-MSD2.257

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	915	55	6.0	0.004024	7.5353	ug/L
Se	78	4	246	6	2.6	0.001103	22.0146	ug/L
Se	77	1	72	1	1.2	0.000325	21.5362	ug/L
Rh	103	237891	219581	955	0.4	219581.093349		ug/L
Br	79	8	34	10	29.6	26.666731		ug/L
Cl	35	513	446	38	8.6	-66.670141		ug/L
C	13	1380	1206	25	2.1	-174.191451		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.303
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-12
Sample Description: 10x
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:54:20
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 334

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-12.258
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	41	7	15.7	0.000041	0.2869	ug/L
Se	78	4	65	5	7.5	0.000276	5.5431	ug/L
Se	77	1	19	1	6.8	0.000082	5.5065	ug/L
Rh	103	237891	223088	2581	1.2	223088.489470		ug/L
Br	79	8	19	1	7.5	11.666683		ug/L
Cl	35	513	464	13	2.8	-48.335938		ug/L
C	13	1380	1203	57	4.7	-177.525132		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	93.778
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-13

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:56:01

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 335

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-13.259

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	28	7	25.0	-0.000019	0.1778	ug/L
Se	78	4	56	4	6.6	0.000237	4.7685	ug/L
Se	77	1	18	3	14.6	0.000077	5.2036	ug/L
Rh	103	237891	223388	2444	1.1	223388.191371		ug/L
Br	79	8	16	5	32.9	8.333344		ug/L
Cl	35	513	464	11	2.4	-48.335940		ug/L
C	13	1380	1264	55	4.4	-115.850103		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	93.904
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-14
Sample Description: 10x
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:57:41
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 336

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-14.260
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	38	5	12.1	0.000029	0.2646	ug/L
Se	78	4	71	7	9.2	0.000307	6.1673	ug/L
Se	77	1	22	2	10.3	0.000096	6.4544	ug/L
Rh	103	237891	219783	6149	2.8	219783.024378		ug/L
Br	79	8	34	5	15.2	26.666728		ug/L
Cl	35	513	455	35	7.7	-57.503030		ug/L
C	13	1380	1178	89	7.6	-201.694788		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.388
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-15
Sample Description: 10x
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 21:59:22
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 337

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-15.261
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	36	8	22.8	0.000018	0.2452	ug/L
Se	78	4	51	1	1.7	0.000217	4.3792	ug/L
Se	77	1	15	2	14.0	0.000066	4.4464	ug/L
Rh	103	237891	219462	1367	0.6	219462.480669		ug/L
Br	79	8	21	12	56.7	13.333358		ug/L
Cl	35	513	484	20	4.1	-28.334886		ug/L
C	13	1380	1207	98	8.1	-173.357677		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.253
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: Thursday, August 30, 2012 22:01:03

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 7

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCVH.262

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	32369	423	1.3	0.144782	26.3689	ug/L
Se	78	4	2586	44	1.7	0.011562	23.0167	ug/L
Se	77	1	772	12	1.5	0.003452	22.8042	ug/L
Rh	103	237891	223344	1708	0.8	223343.676017		ug/L
Br	79	8	10	8	75.0	2.500004		ug/L
Cl	35	513	448	16	3.5	-64.170063		ug/L
C	13	1380	1112	60	5.4	-268.370012		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	93.885
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: Thursday, August 30, 2012 22:02:45

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCBH.263

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	21	10	47.9	-0.000048	0.0124	ug/L
Se	78	4	8	3	34.2	0.000022	0.0496	ug/L
Se	77	1	3	1	32.8	0.000009	0.0704	ug/L
Rh	103	237891	221101	2884	1.3	221100.865087		ug/L
Br	79	8	4	3	69.3	-3.333336		ug/L
Cl	35	513	498	37	7.5	-14.167418		ug/L
C	13	1380	1176	35	3.0	-204.195359		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.942
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-16
Sample Description: 10x
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 22:04:27
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 338

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-16.264
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	57	15	25.8	0.000117	0.4245	ug/L
Se	78	4	49	3	6.9	0.000208	4.1983	ug/L
Se	77	1	13	1	4.0	0.000057	3.8403	ug/L
Rh	103	237891	218308	651	0.3	218308.471190		ug/L
Br	79	8	28	9	32.8	20.000041		ug/L
Cl	35	513	443	65	14.7	-69.170163		ug/L
C	13	1380	1166	30	2.6	-214.196660		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	91.768
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-17

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 22:06:07

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 339

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-17.265

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	75	2	2.8	0.000196	0.5691	ug/L
Se	78	4	54	5	10.0	0.000230	4.6350	ug/L
Se	77	1	16	2	15.1	0.000069	4.6247	ug/L
Rh	103	237891	219222	1271	0.6	219221.767323		ug/L
Br	79	8	27	8	28.6	19.166704		ug/L
Cl	35	513	467	19	4.0	-45.835804		ug/L
C	13	1380	1235	52	4.2	-145.020792		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.152
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-18

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 22:07:48

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 340

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-18.266

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	56	7	11.8	0.000111	0.4143	ug/L
Se	78	4	61	3	5.3	0.000259	5.2118	ug/L
Se	77	1	16	1	3.7	0.000068	4.5526	ug/L
Rh	103	237891	220357	1488	0.7	220357.080322		ug/L
Br	79	8	31	9	30.7	23.333385		ug/L
Cl	35	513	473	33	6.9	-39.168766		ug/L
C	13	1380	1199	64	5.4	-180.858871		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.630
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-19
Sample Description: 10x
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 22:09:28
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 341

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-19.267
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	47	5	10.8	0.000071	0.3406	ug/L
Se	78	4	125	6	4.4	0.000553	11.0741	ug/L
Se	77	1	38	2	4.3	0.000170	11.2866	ug/L
Rh	103	237891	220071	1048	0.5	220071.069861		ug/L
Br	79	8	26	4	14.8	18.333367		ug/L
Cl	35	513	433	45	10.4	-80.004098		ug/L
C	13	1380	1234	45	3.7	-145.854263		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.509
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: Thursday, August 30, 2012 22:11:10

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 7

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCVI.268

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	32415	395	1.2	0.145780	26.5505	ug/L
Se	78	4	2568	24	0.9	0.011543	22.9772	ug/L
Se	77	1	775	22	2.9	0.003486	23.0287	ug/L
Rh	103	237891	222135	105	0.0	222135.335940		ug/L
Br	79	8	7	9	142.0	-0.833332		ug/L
Cl	35	513	467	28	5.9	-45.835788		ug/L
C	13	1380	1160	43	3.7	-220.030703		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	93.377
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: Thursday, August 30, 2012 22:12:52

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCBI.269

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	17	3	19.3	-0.000069	0.0086	ug/L
Se	78	4	7	1	18.9	0.000017	0.0399	ug/L
Se	77	1	2	1	45.1	0.000006	0.0480	ug/L
Rh	103	237891	221253	729	0.3	221252.547148		ug/L
Br	79	8	4	3	69.3	-3.333336		ug/L
Cl	35	513	486	1	0.3	-26.668146		ug/L
C	13	1380	1159	62	5.4	-220.864069		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	93.006
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-20

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 22:14:34

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 342

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-20.270

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	60	23	37.8	0.000127	0.4430	ug/L
Se	78	4	63	2	3.7	0.000270	5.4294	ug/L
Se	77	1	17	4	20.7	0.000076	5.0813	ug/L
Rh	103	237891	220428	1891	0.9	220427.983287		ug/L
Br	79	8	18	10	57.1	10.000017		ug/L
Cl	35	513	443	9	2.0	-70.003689		ug/L
C	13	1380	1233	28	2.3	-147.521201		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.659
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-21
Sample Description: 10x
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 22:16:15
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 343

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-21.271
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	60	22	37.1	0.000127	0.4422	ug/L
Se	78	4	58	1	2.5	0.000245	4.9373	ug/L
Se	77	1	17	2	8.9	0.000074	4.9749	ug/L
Rh	103	237891	220438	652	0.3	220438.113041		ug/L
Br	79	8	19	6	32.8	11.666684		ug/L
Cl	35	513	458	44	9.5	-54.169504		ug/L
C	13	1380	1172	44	3.7	-208.362538		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.664
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121449-DUP3

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 22:17:55

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 344

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121449-DUP3.272

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	43	7	15.2	0.000049	0.3003	ug/L
Se	78	4	59	4	6.1	0.000249	5.0061	ug/L
Se	77	1	16	4	23.1	0.000071	4.7766	ug/L
Rh	103	237891	221350	2149	1.0	221350.021797		ug/L
Br	79	8	27	4	14.3	19.166702		ug/L
Cl	35	513	444	46	10.3	-68.336867		ug/L
C	13	1380	1264	52	4.1	-115.850117		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	93.047
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121449-MS3
Sample Description: 10x
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 22:19:36
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 345

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121449-MS3.273
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	43	6	14.1	0.000051	0.3040	ug/L
Se	78	4	243	7	3.0	0.001085	21.6580	ug/L
Se	77	1	74	6	7.9	0.000333	22.0826	ug/L
Rh	103	237891	220834	2723	1.2	220833.620638		ug/L
Br	79	8	18	5	28.6	10.000014		ug/L
Cl	35	513	419	23	5.5	-93.338111		ug/L
C	13	1380	1211	8	0.7	-169.190807		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.830
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: B121449-MSD3

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 22:21:17

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 346

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\B121449-MSD3.274

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	42	6	14.2	0.000046	0.2961	ug/L
Se	78	4	239	14	5.9	0.001062	21.2025	ug/L
Se	77	1	74	1	1.7	0.000331	21.9166	ug/L
Rh	103	237891	222032	2978	1.3	222032.345130		ug/L
Br	79	8	17	5	31.2	9.166679		ug/L
Cl	35	513	438	30	6.9	-75.003900		ug/L
C	13	1380	1109	35	3.2	-270.870405		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	93.334
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-22
Sample Description: 10x
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 22:22:57
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 347

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-22.275
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	21	4	19.6	-0.000052	0.1178	ug/L
Se	78	4	59	7	11.4	0.000250	5.0371	ug/L
Se	77	1	21	3	13.4	0.000092	6.1456	ug/L
Rh	103	237891	223216	866	0.4	223215.508580		ug/L
Br	79	8	12	3	24.7	4.166670		ug/L
Cl	35	513	473	22	4.6	-39.168788		ug/L
C	13	1380	1140	96	8.4	-240.032966		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	93.831
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-23

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 22:24:37

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 348

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-23.276

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	45	4	7.7	0.000060	0.3216	ug/L
Se	78	4	56	2	3.6	0.000236	4.7522	ug/L
Se	77	1	16	2	13.2	0.000069	4.6302	ug/L
Rh	103	237891	221600	2837	1.3	221600.297484		ug/L
Br	79	8	16	6	39.7	8.333345		ug/L
Cl	35	513	446	57	12.8	-66.670077		ug/L
C	13	1380	1199	28	2.3	-180.858994		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	93.152
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-24

Sample Description: 10x

Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 22:26:18

Diluted To Volume (mL): 5.00

Aliquot Volume (mL): 0.5

Autosampler Position: 349

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-24.277

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	37	10	26.6	0.000023	0.2543	ug/L
Se	78	4	52	2	2.9	0.000221	4.4621	ug/L
Se	77	1	15	2	11.6	0.000063	4.2702	ug/L
Rh	103	237891	220802	1130	0.5	220801.811406		ug/L
Br	79	8	18	3	14.3	10.000013		ug/L
Cl	35	513	431	26	5.9	-81.670895		ug/L
C	13	1380	1211	62	5.2	-169.190666		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.816
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: 1232023-25
Sample Description: 10x
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 22:27:58
 Diluted To Volume (mL): 5.00
 Aliquot Volume (mL): 0.5
 Autosampler Position: 350

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\1232023-25.278
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	43	12	28.6	0.000049	0.3006	ug/L
Se	78	4	50	3	5.8	0.000210	4.2339	ug/L
Se	77	1	16	2	12.7	0.000068	4.6060	ug/L
Rh	103	237891	222430	1844	0.8	222430.031415		ug/L
Br	79	8	13	5	39.0	5.833340		ug/L
Cl	35	513	427	19	4.4	-85.837769		ug/L
C	13	1380	1128	95	8.4	-251.701093		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	93.501
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCVJ

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 22:29:39

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 7

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCVJ.279

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	32659	688	2.1	0.147044	26.7804	ug/L
Se	78	4	2629	11	0.4	0.011827	23.5432	ug/L
Se	77	1	793	22	2.8	0.003570	23.5825	ug/L
Rh	103	237891	222123	6941	3.1	222123.419802		ug/L
Br	79	8	3	0	0.0	-5.000004		ug/L
Cl	35	513	445	29	6.6	-67.503538		ug/L
C	13	1380	1177	99	8.4	-203.361605		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	93.372
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: SEQ-CCBJ

Sample Description:

Batch ID:

Sample Date/Time: Thursday, August 30, 2012 22:31:21

Diluted To Volume (mL):

Aliquot Volume (mL):

Autosampler Position: 1

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam

Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth

Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-CCBJ.280

Calibration File: C:\Elandata\System\2012\8-12\1200676.cal

Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	28	18	64.1	-0.000016	0.0184	ug/L
Se	78	4	9	3	32.7	0.000026	0.0568	ug/L
Se	77	1	3	1	47.2	0.000010	0.0758	ug/L
Rh	103	237891	219831	1353	0.6	219831.229845		ug/L
Br	79	8	3	1	43.3	-4.166670		ug/L
Cl	35	513	508	37	7.4	-5.000244		ug/L
C	13	1380	1149	14	1.2	-230.865474		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.408
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 22:33:05
 Diluted To Volume (mL):
 Aliquot Volume (mL):
 Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\rinse.281
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	14	18	125.1	-0.000079	0.0068	ug/L
Se	78	4	5	2	29.9	0.000007	0.0206	ug/L
Se	77	1	1	1	88.2	0.000000	0.0108	ug/L
Rh	103	237891	220422	1628	0.7	220421.974057		ug/L
Br	79	8	3	0	0.0	-5.000004		ug/L
Cl	35	513	411	38	9.2	-101.671792		ug/L
C	13	1380	1123	30	2.7	-257.535446		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.657
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 22:34:46
 Diluted To Volume (mL):
 Aliquot Volume (mL):
 Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\rinse.282
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	4	1	15.7	-0.000128	-0.0020	ug/L
Se	78	4	3	2	64.7	-0.000004	-0.0020	ug/L
Se	77	1	1	1	75.5	0.000001	0.0132	ug/L
Rh	103	237891	220543	1056	0.5	220543.139181		ug/L
Br	79	8	3	4	114.6	-4.166670		ug/L
Cl	35	513	464	20	4.4	-48.335929		ug/L
C	13	1380	1175	66	5.6	-205.028685		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.708
Br	79	
Cl	35	
C	13	

Quantitative Analysis - Brooks Rand Labs ICP-MS Summary Report

Sample ID: rinse
Sample Description:
Batch ID: B121449

Sample Date/Time: Thursday, August 30, 2012 22:36:27
 Diluted To Volume (mL):
 Aliquot Volume (mL):
 Autosampler Position: 434

Sample File: C:\Elandata\Sample\2012\8-12\1200676.sam
 Method File: C:\Elandata\Method\2012\8-12\1200676-0062-icpms2-TMU.mth
 Dataset File: C:\Elandata\DataSet\Data\2012\8-12\1200676\rinse.283
 Calibration File: C:\Elandata\System\2012\8-12\1200676.cal
 Blank File: C:\Elandata\DataSet\Data\2012\8-12\1200676\SEQ-ICB1.077

Concentration Results

Analyte	Mass	Blank Int Mean	Meas Int Mean	Meas Int SD	Meas Int RSD	Net Int Mean	Conc Mean	Sample Unit
AsO	91	34	14	16	116.7	-0.000082	0.0063	ug/L
Se	78	4	4	3	68.0	0.000001	0.0072	ug/L
Se	77	1	1	1	83.4	0.000003	0.0310	ug/L
Rh	103	237891	219588	967	0.4	219587.922792		ug/L
Br	79	8	3	3	100.0	-5.000003		ug/L
Cl	35	513	437	65	14.9	-75.837152		ug/L
C	13	1380	1138	40	3.5	-242.533556		ug/L

Int Std % Recovery

Analyte	Mass	Int Std % Recovery
AsO	91	
Se	78	
Se	77	
Rh	103	92.306
Br	79	
Cl	35	
C	13	

Batch:	B121427	Analyte:	%TS	Date:	8/13/12	MDL:			
Analyst:	AAP	Matrix:	BIOTA			MRL:			
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
1232023-01	23-01	1.013	2.078	1.325	1.065	0.312	29.30		
1232023-02	23-02	1.012	3.012	1.471	2.000	0.459	22.95		
1232023-03	23-03								Too little sample.
1232023-04	23-04	1.020	2.852	1.578	1.832	0.558	30.46		
1232023-05	23-05	1.010	2.657	1.389	1.647	0.379	23.01		
1232023-06	23-06	1.021	2.395	1.201	1.374	0.180	13.10		
1232023-07	23-07	1.035	1.267	1.078	0.232	0.043	18.53		
1232023-08	23-08	1.055	2.148	1.419	1.093	0.364	33.30		
1232023-09	23-09	1.007	2.140	1.366	1.133	0.359	31.69		
1232023-10	23-10	1.016	2.164	1.385	1.148	0.369	32.14		
1232023-11	23-11	0.989	2.097	1.333	1.108	0.344	31.05		
1232023-12	23-12	1.028	2.059	1.350	1.031	0.322	31.23		
1232023-13	23-13	1.021	2.080	1.337	1.059	0.316	29.84		
1232023-14	23-14	1.039	2.095	1.300	1.056	0.261	24.72		
1232023-15	23-15	1.014	2.137	1.327	1.123	0.313	27.87		
1232023-16	23-16	1.025	2.083	1.285	1.058	0.260	24.57		
1232023-17	23-17	1.016	2.219	1.327	1.203	0.311	25.85		
1232023-18	23-18	1.026	2.110	1.326	1.084	0.300	27.68		
1232023-19	23-19	1.020	2.148	1.329	1.128	0.309	27.39		
1232023-20	23-20	1.014	2.145	1.302	1.131	0.288	25.46		
1232023-21	23-21	1.011	2.101	1.262	1.090	0.251	23.03		
1232023-22	23-22	1.032	2.206	1.342	1.174	0.310	26.41		
1232023-23	23-23	1.026	2.064	1.283	1.038	0.257	24.76		
1232023-24	23-24	1.024	2.196	1.315	1.172	0.291	24.83		
1232023-25	23-25	1.028	2.258	1.381	1.230	0.353	28.70		
B121427-BLK1	BLK1	1.038		1.039		0.001	0.08	0.04	= MB Avg
B121427-BLK2	BLK2	1.044		1.044		0.000	0.00	0.06	= MB StDev
B121427-DUP1	DUP1	1.033	2.003	1.303	0.970	0.270	27.84	5%	
B121427-DUP2	DUP2	1.054	2.681	1.541	1.627	0.487	29.93	2%	
B121427-DUP3	DUP3	1.030	2.082	1.297	1.052	0.267	25.38	0%	
								1.18	Rep Wt.

Dry Weight (% Solids) Bench Sheet (BR-1501 Rev 005)

Batch #: B121427

Analyst: TE

Date: 8/13/12

Page 1 of 2

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)
1232023-01		1.013	2.078	1.3225		
-02		1.012	3.012	1.471		
-03		1.035	1.235 <small>TE 8/13/12</small>			
-04		1.020	2.852	1.578		
-05		1.010	2.657	1.389		
-06		1.021	2.395	1.201		
-07		1.035	1.267	1.078		
-08		1.055	2.148	1.419		
-09		1.007	2.140	1.366		
-10		1.016	2.164	1.385		
-11		0.999	2.097	1.333		
-12		1.028	2.059	1.350		
-13		1.021	2.040	1.337		
-14		1.039	2.095	1.300		
-15		1.014	2.137	1.327		
-16		1.025	2.083	1.285		
-17		1.016	2.219	1.327		
-18		1.026	2.110	1.326		
-19		1.020	2.144	1.329		
-20		1.014	2.145	1.302		
-21		1.011	2.101	1.262		
-22		1.032	2.206	1.342		
-23		1.026	2.064	1.283		
-24		1.024	2.196	1.315		

* 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

136 Thermometer ID: 010398

1) Time / Date / Temp** in: 14:35 8/13/12 111°C (109°C)

Time / Date / Temp** out: 14:18 8-15-12 / 109°C, 107°C

2) Time / Date / Temp** in: _____

Time / Date / Temp** out: 8-15-12

3) Time / Date / Temp** in: _____

Time / Date / Temp** out: _____ (if necessary)

Reweigh Analyst: MAP, BL-07

Verification Analyst: _____ (if necessary)

** Both the measured and the corrected temperatures must be recorded. Record the measured temperature first and then the corrected temperature.

* Not weighed out due to very limited sample mass.

Dry Weight (% Solids) Bench Sheet (BR-1501 Rev 005)

Batch #: B12427

Analyst: TE

Date: 8/13/12

Page 2 of 2

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)
1232023-25		1.028	2.258	1.387		
B121427-B1K1		1.038	-	1.039		
-B1K2		1.044	-	1.0434	8/16/12 AD	
-DUP1		1.033	2.003	1.303		
-DUP2		1.054	2.681	1.541		
-DUP3		1.030	2.082	1.297		
8/17/12 KDM						

* Verification dry weight (net) must be within 4% of or < 0.5 mg less than the previous dry weight measurement; whichever is stricter.

Sample Characteristics Log (Biota)

(BR-0106 Rev 003)

1/2

Prep Technician: TE

Date: 8/13/12

Batch(es): B121427

Sample ID	Matrix/Submatrix	Physical Characteristics
1232023-01	Duck Egg	yellow yolk + white liquid
-02	Invertebrate	Black + soil like
-03	↓	Brown crumpled flies
-04	Invertebrate	Black + soil like, few small rock like pieces
-05	↓	" " no rocks
-06	↓	Brown/grey mush
-07	↓	Brown crumpled bugs
-08	Duck Egg	yellow firm yolk + white liquid
-09	Duck Egg	yellow firm yolk w/ red spots + white liquid
-10	Duck Egg	yellow firm yolk w/ red spots + white-foamy liquid
-11	Duck Egg	" "
-12	Duck Egg	yellow yolk + white liquid
-13	↓	yellow firm yolk + white liquid
-14	↓	" "
-15	↓	" "
-16	↓	yellow yolk + liquid already somewhat homog'd
-17	↓	" "
-18	↓	yellow yolk + white liquid
-19	↓	yellow yolk + liquid already somewhat homog'd, few pieces of shell
-20	↓	yellow yolk + liquid already somewhat homog'd
-21	↓	" "
-22	↓	" "
-23	↓	" "

Additional Notes: _____
